Summary of Issues: Farakka Super Thermal Power Station-I&II (1600 MW)

(In compliance with CERC notice dated 07.06.2024)

The major highlights of the Farakka STPS-I&II (1600 MW) Truing up petition are as follows:-

The present petition is being filed under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 & 2023 and Chapter-3, Regulation-13 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for revision of tariff of Farakka Super Thermal Power Station, Stage-I&II (1600 MW) for the period from 01.04.2019 to 31.03.2024 after the truing up exercise based on actual expenditures as on 31.03.2024.

Farakka STPS-I&II is located at Murshidabad, West Bengal and comprises of three units of 200 MW each and two units of 500 MW each with station COD on 01.07.1996. The power generated from FSTPS-I&II is being supplied to various discoms as per MoP allocation and respective PPAs including West Bengal State Electricity Distribution Corporation Limited, Bihar State Power Holding Company Limited, Jharkhand Urja Vikas Nigam Limited, Grid Corporation of Orissa Limited, Haryana Power Purchase Centre, The Energy and Power Department, Govt of Sikkim, Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO), Punjab State Power Corporation Limited (PSPCL), Uttar Pradesh Power Corporation Limited (UPPCL), Power Development Department, Govt. of J&K, Assam Power Distribution Company Limited, BSES Rajdhani Power Limited, BSES Yamuna Power Limited, Tata Power Delhi Distribution Limited (TPDDL), and Rajasthan Urja Vikas Nigam Limited (RUVNL).

The tariff for Farakka STPS-I&II for the period from 01.04.2019 to 31.3.2024 was determined by the Hon'ble Commission vide order dated 25.08.23 in Petition No. 429/GT/2020. The capital cost allowed for tariff determination included the projected additional capital expenditure admitted by the Hon'ble Commission after prudence check.

The tariff of Farakka STPS-I&II for the tariff period 2019-24 after the truing up exercise based on actual expenditures as on 31.03.2024 is annexed with the petition as per provisions of Regulation 13 of CERC Tariff Regulations 2019.

Farakka STPS-I&II completed its useful life on 30.06.2021 in the 2019-24 control period. Hence as per the provisions of Tariff regulations 28(2), special allowance of Rs 605.66 crores is claimed for the 2019-24 period.

The actual Additional Capital Expenditure on cash basis for the FY 2019-20, 2020-21, 2021-22, 2022-23 and 2023-24 are **Rs 10.19 cr, Rs 42.62 cr, Rs 110.83 cr, Rs 86.10 cr and Rs 80.06 cr respectively amounting to total of Rs 329.81 crores during the 2019-24 period**. The same has been depicted year wise in Form 9A of the Appendix-I along with applicable regulations and justification for the claims. It is humbly requested to approve the actual Additional Capital expenditure during the period of 2019-24.

The Hon'ble commission vide its order dated 28.10.2022 in petition no 205/MP/2021 has already allowed the Ash transportation expenses for FY 2019-20, 2020-21, and 2021-22. Ash transportation expenses for FY 2022-23 and FY 2023-24 is being claimed along with auditor certificates and required documents as per CERC order dated 28.10.2022. It is humbly submitted to allow the Petitioner to recover the additional O&M cost for ash transportation for the FY 2022-23 and FY 2023-24 as per

actual. The ash transportation expenses claim has been depicted in Form 3A of Appendix-I.

Hon'ble Commission may please allow the claims of water charges, capital spares and security expenses for the instant station as per actual, as claimed by the Petitioner in Form 3A of Appendix-I.

- It is mentionable that the bipartite agreement between NTPC Farakka STPS and Farakka Barrage Project directs NTPC to pay water charges on basis of water allocated. It is submitted that water is subject matter under the control of Farakka Barrage Project (under Ministry of WRD) and NTPC has no control over it. It is also an essential input for generation of electricity from a thermal power plant. NTPC is bound to pay the water charges as per the agreement signed with the Farakka Barrage Project. The detailed calculation for the water charges claim as per the agreement is submitted in Form 3A and Form 19. Hon'ble Commission may please allow the claim of water charges paid on allocation basis. Copy of water agreement between NTPC Farakka STPS and Farakka Barrage Project is enclosed along with the petition at **Annex D**.
- It is further mentioned that the Farakka STPS-I&II is a central government owned thermal power station which is of national importance and located in a state sharing international border with Bangladesh. As such Safety and security of this important infrastructure project against any threat (national or international) is a prime concern. The main security of these central government owned thermal power station is provided by the Central Industrial Security Force (CISF). CISF is a statutory body set up under an Act of the Parliament of India and a central armed police force in India under the Ministry of Home Affairs (MHA) whose primary mission is to provide security to large institutions like

FSPTS-I&II. Deployment of the CISF is done as per the security threat perception, survey and as per the guidelines of MHA. In addition to the CISF, certain security is provided by other local and national agencies for critically less sensitive locations as per the plant specific needs. In view of this Hon'ble Commission may please allow the claims of security expenses as per actuals as submitted in Form 3A along with auditor certificates.

- Hon'ble Commission may please allow the claims of Capital spares for the instant station, as claimed by the Petitioner in Form 3A of Appendix-I. It is submitted that the year wise capital spares in Form-17 for the 2019-24 period, on store issuance basis, is for the entire Farakka Super Thermal Power station, consisting of both the stages Farakka-I&II (1600 MW) & FSTPS -III (500 MW). It is further submitted that the capital spares claimed in the instant petition in Form 3A of Appendix-I for Farakka STPS-I&II is apportioned on the basis of installed capacity.
- The Hon'ble Commission in its order dated 03.03.2017 in 280/GT/2014 has directed to apportion the cost of Two-Lane Bridge at FSTPS between Stg-I&II & Stg-III and further to meet the cost of the two-lane bridge from Special Allowance in FSTPS-I&II. **The petitioner had filed Appeal 178 of 2017 against this order in APTEL. APTEL in its order dated 01.12.22 in the mentioned matter, has directed this Hon'ble Commission to re-examine the case and pass fresh order(s) in this matter.**

4) It is relevant to submit that Appeal 159 of 2017 was filed against the Hon'ble Commission's order in Petition No. 316/GT/2014 dated 10.03.2017. Hon'ble APTEL in its order dated 28.08.23 in the matter has directed this Hon'ble Commission to look into the claims disallowed by this Hon'ble Commission on grounds of station getting Special

Allowance. Some of these works have been carried over to FY'2019-24 and has been claimed in the instant petition. It is prayed before this Hon'ble Commission to kindly allow the same in consideration of APTEL order which has been provided as **Annexure-P**.

In the light of above submission and as per the Petition being filed by the Petitioner for revision of tariff of Farakka Super Thermal Power Station, Stage-I&II (1600 MW), The Hon'ble Commission may please approve revised tariff for the tariff period 2019-24 as per provision of Regulation 13 of Tariff Regulations 2019.

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO……

IN THE MATTER OF : Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 & 2023 and Chapter-3, Regulation-13 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for revision of tariff of **Farakka Super Thermal Power Station Stage-I&II (1600 MW)** for the period from 01.04.2019 to 31.03.2024 after the truing up exercise

INDEX

Sl. No.	Description	Page No.
1	Petition for Revision of Tariff for Farakka Super Thermal Power Station Stage-I&II (1600 MW)	1- 15
2	Affidavit	16-17
3	Appendix- I Tariff Forms	18-173
4	Annexure-A	174-186
5	Annexure-B	187-361
6	Annexure-C	362-397
7	Annexure-D	398-405
8	Annexure-E	406-417
9	Annexure-F	418-425
10	Annexure-G	426-429
11	Annexure-H	430
12	Annexure-I	431
13	Annexure-J	432-526

14	Annexure-K	527-541
15	Annexure-L	542-577
16	Annexure-M	578-581
17	Annexure-N	582-588
18	Annexure-O	589-593
19	Annexure-P	594-754
20	Balance Sheets	755-1205
21	FORM 15	1206-1226

BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO……

True Up:429/GT/2020

IN THE MATTER OF : Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 & 2023 and Chapter-3, Regulation-13 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for revision of tariff of **Farakka Super Thermal Power Station Stage-I&II (1600 MW)** for the period from 01.04.2019 to 31.03.2024 after the truing up exercise.

AND
IN THE MATTER OF

Petitioner: : NTPC Ltd.
NTPC Bhawan
Core-7, Scope Complex
7, Institutional Area, Lodhi Road
New Delhi-110 003

Respondents

1. West Bengal State Electricity Distribution Company Limited
Company Limited Vidyut Bhawan,
Block-DJ, Sector-II,
Salt Lake City, Kolkata – 700091

2. Bihar State Power Holding Company Limited
(erstwhile Bihar State Electricity Board)
Vidyut Bhawan, Bailey Road,
Patna – 800001

3. Jharkhand Bijli Vitran Nigam Limited
(JBVNL) Engineering Building,
HEC Township, Dhurwa, Ranchi – 834004

4. Grid Corporation of Orissa Limited
24, Janpath, Bhubaneswar – 751007

5. Haryana Power Purchase Centre
Shakti Bhawan,
Sector – 6, Panchkula, Haryana - 134109

6. Power Department, Govt. of Sikkim
Govt. Of Sikkim
Kazi Road, Gangtok
Sikkim – 737101

7. Tamil Nadu Generation & Distribution Corporation Ltd.(TANGEDCO)
144, Anna Salai
Chennai - 600002

8. Punjab State Power Corporation Limited (PSPCL)
THE MALL, PATIALA – 147001

9. Uttar Pradesh Power Corporation Limited
Shakti Bhawan
14, Ashok Marg
Lucknow -226001

10. Power Development Department, Govt of J&K
Govt. of J&K Secreteriat
Srinagar

11. Assam Power Distribution Company Limited
Bijulee Bhawan, Paltan Bazar
Guwahati – 782001

12. BSES Rajdhani Power Limited
BSES Bhawan, Nehru Place
New Delhi – 110019

13. BSES Yamuna Power Limited
Shakti Kiran Bldg., Karkardooma
Delhi

14. Tata Power Delhi Distribution Limited
33 KV Sub Station Bldg.
Hudson Lane, Kingsway Camp
New Delhi

15. Rajasthan Urja Vikas Nigam Limited
Vidyut Bhawan Janpath
Jaipur -302005 (Rajasthan)

The Petitioner humbly states that :-

1) The Petitioner herein NTPC Ltd. (hereinafter referred to as 'Petitioner' or 'NTPC), is a Government of India Company within the meaning of the Companies Act, 1956. Further, it is a 'Generating Company' as defined under Section 2(28) of the Electricity Act, 2003.

2) The Petitioner is having power stations/ projects at different regions and places in the country of **Farakka Super Thermal Power Station Stage-I&II (1600 MW)** (hereinafter referred to as '**FSTPS-I&II**') is one such station located in the State of West Bengal.

3) The power generated from '**FSTPS-I&II**' is being supplied to the respondents herein mentioned above.

4) Section 62 of Electricity Act, 2003 provides for determination of tariff by the Appropriate Commission for supply of electricity by a generating company. The Hon'ble Commission, under Section 79(1)(a) of Electricity Act, 2003, is vested with the jurisdiction to regulate the tariff of the Generating Companies owned or controlled by the Central Government.

5) The Hon'ble Commission has notified the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2019 (hereinafter 'Tariff Regulations 2019) which came into force from 1.4.2019 and specify the terms & conditions and methodology of tariff determination for the period from 01.04.2019 to 31.03.2024 under Section 62 & 79 of the Electricity Act, 2003.

6) In accordance with the above, Petition No. **429/GT/2020** for determination of tariff for **FSTPS-I&II** was filed before the Hon'ble Commission based on the admitted cost as on 31.03.2019 and projected estimated additional capital expenditure for the period 01.04.2019 to 31.03.2024.

7) The tariff for **FSTPS-I&II** for the period from 01.04.2019 to 31.3.2024 was determined by the Hon'ble Commission vide order dated **25.08.2023** in Petition No. **429/GT/2020 (and Corrigendum Order dated 07.11.2023).** The capital cost allowed for tariff determination

included the projected additional capital expenditure admitted by the Hon'ble Commission after prudence check.

8) Further, Chapter-3, Regulation 13 of the Tariff Regulations 2019 provides as under:

"(13) Truing up of tariff for the period 2019-24*:*

(1) The Commission shall carry out truing up exercise for the period 2019-24 along with the tariff petition filed for the next tariff period, for the following:

a) the capital expenditure including additional capital expenditure incurred up to 31.3.2024, as admitted by the Commission after prudence check at the time of truing up:

b) the capital expenditure including additional capital expenditure incurred up to 31.3.2024, on account of Force Majeure and Change in Law.

(2) The generating company or the transmission licensee, as the case may be, shall make an application, as per Annexure-I to these regulations, for carrying out truing up exercise in respect of the generating station or a unit thereof or the transmission system or an element thereof by 30.11.2024.

……."

9) In line with the provisions of quoted above, the Petitioner is filing this petition for truing up the additional capital expenditure for the control period 2019-24, based on admitted capital cost as on 01.04.2019 and actual capital expenditure incurred during the tariff period from 01.04.2019 to 31.03.2024.

10) The year-wise actual capital expenditure has been indicated and enclosed as part of **Appendix-I** herewith. In addition to the actual additional capital expenditure as above, discharge of liabilities during the period from 01.04.2019 to 31.03.2024 (year wise) out of the liabilities excluded from capital cost for the works already allowed/ claimed have also been indicated.

11) It is submitted that some of the loans allocated to this station have been refinanced by taking new loans with a lower rate of interest. As per Regulation 61 (1) of Tariff Regulations 2019, the benefits of refinancing of loans have to be shared with the beneficiaries in the ratio of 50:50 (Beneficiaries: Generator). The same has been applied by adjusting the rate of interest of new loans while computing the weighted average rate of interest. The adjustment in rate of interest for new loans has been done as illustrated below:

Rate of interest of existing loan: 8.000% (say)

Rate of interest of new loan for refinancing of existing loan: 6.000% (say)

Rate of interest of new loan considered for computing weighted average rate of interest: 7.000%

12) It is submitted that the disallowed capital cost/ additional capital expenditure, if any, by this Hon'ble Commission for capitalization during the period FY 2019-24, has not been included in the present claim except the works/items allowed/claimable under Regulatory provisions and for which liberty has been granted to make claim at the time of truing up with relevant information & documents.

13) Hon'ble Commission, vide order dated **25.08.2023** in Petition No. **429/GT/2020 (**and **Corrigendum Order** dated **07.11.2023)** has granted liberty to claim the work/asset i.e. Ash Dyke Raising, Fire Detection and protection system, DAETP for U#1, 4 & 5 & Inert Gas Fire Extinguishing System at the time of truing-up with relevant inputs as below:

14) Ash Dyke Raising:

"1. However, the Petitioner is directed to submit the details regarding total Ash generated during the period 2019-24 (year wise), the quantity of ash dumped in ash pond and the quantity transported and utilized for other purposes along with supporting documents at the time of truing up of tariff.

2. The Petitioner is, however, directed to furnish details of revenue earned from sale of fly ash (excluding transportation charges if any paid by the petitioner) and a copy of accounts, duly certified by the auditor, which is required to be mandatorily maintained by the Petitioner in terms of the said notification, at the time of truing up of tariff.
"

In compliance with the directions of the Hon'ble Commission the following data is provided below:

FY	Total Ash Generated (MT)	Total Ash Generated (MT)		Ash dumped in Ash Pond (MT)	Ash Transported (MT)	Ash Utilized for Other Purposes (MT)
		Stg-I&II	Stg-III			
2019-20	**3181024**	2508976.16	672047.84	2009028.00	2919207.00	1171996.00

2020-21	**2849588**	2094010.86	755577.14	1775350.65	2541929.36	1074237.35
2021-22	**2788125.8**	2076660.44	711465.37	1702215.49	2736245.5	1085910.32
2022-23	**2521188.2**	1965687.94	555500.21	2322315.11	4785852.91	198873.04
2023-24	**2983512.7**	2222121.97	761390.70	2784503.73	4234088.02	199008.94

Revenue earned from sale of fly ash (excluding transportation charges

	DRY FLY ASH LIFTED QTY (MT)	**REVENUE GENERATION WITHOUT TAX AMOUNT (in lakhs)**
2019-20	320776.71	1163.08
2020-21	377911.38	1427.29
2021-22	285105.88	1296.11
2022-23	193298.59	933.80
2023-24	205640.31	948.02
Total	**1382732.87**	**5768.29**

Accordingly, the claim for the ash dyke raising work is being made by the Petitioner in the instant station as per the details provided in Form-9 of Appendix-I/IA.

15) It is relevant to submit that Appeal 159 of 2017 was filed against the Hon'ble Commission's order in Petition No. 316/GT/2014 dated 10.03.2017. Hon'ble APTEL in it's order dated 28.08.23 in the matter has directed this Hon'ble Commission to look into the claims disallowed by this Hon'ble Commission on grounds of station getting Special Allowance listed below:

a. 4th Raising of Nishindra Ash Dyke I & II

b. Starter dyke of Nishindra Lagoon-III

c. Inert Gas Fire Extinguishing System

d. Dry Ash Extraction System

e. Renovation of Electrostatic Precipitator (ESP)

f. Replacement of Wooden and Cast Iron Sleepers of Merry Go Round [MGR]

As the order of Hon'ble APTEL came on 28.08.23 and the order in true up petition for 2014-19 period came on 17.04.23, the above listed items were claimed under exclusion in 698/GT/2020 i.e. the true-up petition for FSTPS-I&II for 2014-19 period. Some of these works have been carried over to FY'2019-24 and has been claimed in the instant petition. It is prayed before this Hon'ble Commission to kindly allow the same in consideration of Hon'ble APTEL order dated 28.08.23 in Appeal 159 of 2017 which has been provided as Annexure-P.

16) It is relevant to submit that the Petitioner has filed Appeal before the Hon'ble Appellate Tribunal for Electricity in respect of certain disallowed claims by Hon'ble Commission against the Commission's order dated 25.08.2023 In main petition of Farakka-I&II for 2019-24 (Petition no 429/GT/2020) on projection basis.. It is humbly submitted that the Petitioner reserves the right to approach this Hon'ble Commission and/or file amended Petition based on the outcome of such Appeal and/or any subsequent appeal(s).

Claim Of Two-Lane Bridge

17) It is also relevant to submit that the This Hon'ble Commission has allowed the expenditure of Two-lane Bridge in 280/GT/2014 (Approval of tariff of Farakka Super Thermal Power Station, Stage-III (1x500 MW) for the period from 1.4.2014 to 31.3.2019) under Regulation 14 (3)(viii) with Reg 54, but apportioned it between two commercial stages of FSTPS, with the direction to consider the expenditure apportioned to FSTPS-I&II from Special Allowance. However as per Hon'ble APTEL order dated 01.12.22 in Appeal 178 of 2017, APTEL has directed the Commission to re-consider the apportionment to FSTPS-I&II under the head of special allowance, and consider it afresh under terms of Reg(14) & (16) of Tariff Regulations 2014

18) Accordingly, the claim for the said asset/work is being made by the Petitioner in the instant station as per the details provided in Form-9 of Appendix-I/IA

REASON FOR DELAY IN COMPLETION OF TWO-LANE BRIDGE, NTPC FARAKKA

The work of Construction of New Two-Lane Road Bridge at Farakka was awarded to M/s Royal Infraconstru Ltd. Kolkata. Via order dated 23.10.13, with a contract period from 23.10.13 to 20.10.15 and with an initial contract value of INR 58.07 Cr Accordingly, work was started at site from 22.11.13. M/s RITES was the consultancy services provider for the Preparation of Detailed Project Report for Construction of this New Two-Lane Road Bridge at Farakka. As petitioner was continuing the work as per schedule, petitioner received a letter from RITES dated 08.05.2014 (**attached as Annexure A)** wherein they re-submitted revised drawings based new norms (Indian Road Congress Code) of Ministry of Road Transport & Highways, Government of India **(instructions from statutory authority comprises of a change in law event as per SC judgement in Civil Appeal No.11095 Of 2018 dated 20.04.23).** This statutory change resulted in an increase of bridge height from 8 to 10.5 m with concomitant tonnage increase.

The Quantity of Fabricating Steel Members/Launching was changed in major from 1990 MT to 2505.3 MT, which had a variation of (+) 26.53% w.r.t BOQ and financial implication of Rs 7.75 crores.

The petitioner was carrying the work as per schedule however during launching, bridge truss T3 failed before reaching pier P2 and bridge launching had to be stopped on 14.08.2017. Since this launch failure was beyond any reasonable control of the petitioner, it is prayed before this Hon'ble Commission to condone the delay on this account.

In order to revive the project. the petitioner, then awarded a consultancy contract to IIT-Chennai with scope of review of design of relaunching, retrofitting, construction methodology, critical supervision and in service-on-load vibration measurement after bridge completion on 20.12.2018 attached as **Annexure B**.

IIT-Chennai made several visits to the site for study and deliberations with the petitioner and the executing agency and the final report on design review by IIT Chennai was received on 2.11.2020, however, due to COVID–19, the procurement of BOQ items and mobilization got delayed. Also, there was a total disruption of the supply chain as well as adequate working strength was also unavailable at site during covid'19 first second wave. There were also severe restrictions in usage of oxygen, during covid'19 2nd wave which hugely impacted all construction activities. The government notifications pertaining to restrictions imposed during lock down period is provided as **Annexure C.**

However, as the conditions of Covid'19 second wave started receding M/s. Royal restarted the work from 22.07.2021 with redesigned/retrofitting proposed by IIT-M and the launching of bridge structure was successfully completed on 16.12.2022 and the bridge has been opened for public use from 15.08.2023. The total IDC in work of the two-lane bridge at Farakka, from 20.10.2015 to 14.08.23 is Rs 9.61 Crs.

The total cost over-run in the work of the two-lane bridge is due to the change in design on account of statutory norms as mentioned above and due to inflationary changes impacting cost of raw materials and service charges during this period.

It is the humble request of the petitioner to condone the delay in the completion of this project and the associated cost over-run, as this was beyond the reasonable control of the petitioner and pertains to a Change in Law and 'Force Majeure' event.

19) Furthermore, in case of any specific direction from this Hon'ble Commission in Main Petition related to additional capitalization or any other aspect, the same has been duly complied and suitable justification has been provided by the Petitioner in the instant Truing up Petition.

20) Hon'ble Commission vide tariff order dated **25.08.2023** in Petition No. **429/GT/2020 (and Corrigendum Order dated 07.11.2023)** of the station at Para 51 has allowed the truing up of water charges, which has been allowed by the Hon'ble Commission in the instant order based on projections. Accordingly, the details for water charges comprising the

contracted quantity, allocation of water, the actual water consumed during 2019-24, the basis of calculation of quantity of consumptive water and computation of water charges and rate revision documents of Ministry Of Water Resource Department are being submitted in the instant petition at **Annexure-D.**

The details of actual *water expenses has been provided in Form-3A of the attached Appendix-I along for the period 2019-24. It is prayed before Hon'ble Commission to consider the same and allow the expenditure on water charges as claimed under Regulation 35(1)(6) of the 2019 Tariff Regulations.*"

21) It is further submitted that in petition no. 429/GT/2020 for the instant station, the claim against security expenses had been claimed by the petitioner on estimated basis, and the same has been considered by Hon'ble Commission subject to truing up in its order dated 25.08.2023 in petition no. 429/GT/2020 at para 55. The details of actual security expenses has been provided in Form-3A of the attached Appendix-I along with the assessment details of security requirement for the period 2019-24. It is prayed before Hon'ble Commission to consider the same and allow the expenditure on security expenses as claimed under Regulation 35(1)(6) of the 2019 Tariff Regulations.The relevant documents are attached at Annexure-E.

22) In addition to the aforesaid, the Petitioner herein is submitting additional information/justification regarding details of unrecovered depreciation amount of Rs. 6835.38 Lakhs till 31.3.2014 on account of availability lower than NAPAF, claimed in the petition for the kind consideration of this Hon'ble commission.

23) Petitioner further submits that Hon'ble ATE vide judgement dated 13-06-2007 (Appeal no. 139 of 2006) on the issue of " Admissibility of depreciation up to 90% of the value of the assets" has allowed the unpaid portion of the depreciation (because of under recovery of fixed charges due to availability lower than NAPAF) after the plant has lived its designated useful life.

24) It is submitted that vide letter dated 15.03.2016, the Hon'ble Commission has directed the petitioner to furnish a statement showing the year-wise details of depreciation un-

recovered, if any, till 31.3.2014 on account of availability lower than NAPAF, in respect of all thermal generating stations. Based on above direction, Petitioner vide affidavit dated 06.05.2016 has furnished the aforesaid details in Petition No. 316/GT/2014 for approval of tariff of Farakka Super Thermal Power Station Stage I&II (1600 MW) for the period from 01.04.2014 to 31.03.2019 through additional submission dated 06.05.2016. The petitioner is once again submitting the same has been annexed as **ANNEXURE-F**.

25) Accordingly, the required details with respect to unrecovered depreciation for the instant station which were submitted in petition no. 316 /GT/2014 are placed below for kind consideration of Hon'ble Commission please:

SN	Period	Target Availability/ PLF (%)	Annual Availability/ PLF (%)	AFC for the period (Rs.Lakh)	Dep. For the period included in AFC (Rs.Lakh)	Disincentive (Rs.Lakh)	Dep. unrecovered due to disincentive (Rs.Lakh)
1	1996-97	58.77	51.37	56528.75	16703.75	2543.79	751.70
2	2002-03	80	75.03	58188.00	10970.00	3614.93	681.51
3	2003-04	80	70.12	58673.00	10970.00	7246.12	1354.80
4	2004-05	80	70.53	53857.48	11432.76	6375.38	1353.35
5	2008-09	80	76.81	56622.73	11666.75	2257.83	465.21
6	2009-10	85	73.36	81568.68	7127.32	11170.11	976.02
7	2011-12	85	82.56	85056.31	7987.70	2441.62	229.29
8	2012-13	85	74.22	88052.04	8070.16	11167.07	1023.49
Total							**6835.38**

*Detail calculation is shown in Annexure-A to submission dated 06.05.2016 which is attached hereby as Annexure-A again.

26) It is submitted that in line with APTEL order, the petitioner has claimed this amount in instant petition i.e. after the plant has lived its designated useful life. It is also submitted by the petitioner that this amount has not been claimed in true up petition for 2014-19 period or main petition for 19-24 period.

27) It is submitted that Hon'ble Commission at para_56 in its order dated 25.08.2024 in

petition no.429/GT/2020 has allowed the consideration of the claim on merits towards capital spares consumption at the time of truing up. Accordingly, the same has been claimed in Form-3A of the attached Appendix-I. The details of the year wise capital spares consumed have been provided in Form-17 of the attached Appendix-I. It is prayed before Hon'ble Commission to consider the same and allow the expenditure on capital spares consumption as claimed under Regulation 35(1)(6) of the 2019 Tariff Regulations

28) **Ash Transportation expenses**

(i) It is submitted that Hon'ble Commission vide its order dated 28.10.2022 in Petition No. 205/MP/2021 has allowed the monthly billing for ash transportation charges for 2019-24 period as below:

"

39. Petitioner has furnished the details of the distance to which fly ash has been transported from the generating station, schedule rates applicable for transportation of fly ash, as notified by the State Governments along with details, including Auditor certified accounts. These documents have been examined and accordingly, the total fly ash transportation expenditure allowed to the Petitioner generating station wise for the period 2019-22 is as per the table in para 38 above totalling to Rs.309704.03 lakh and the same shall be recovered from the beneficiaries of the respective generating stations in 6 (six) equal monthly installments. However, the Petitioner is directed to submit details regarding award of transportation contracts, distance to which fly ash has been transported along with duly reconciled statements of expenditure incurred on ash transportation at the time of filing petitions for truing up of tariff for the 2019-24 tariff period of the generating stations.

Monthly billing

……..

43. In the light of the above discussion and keeping in view that the Petitioner is entitled for recovery of fly ash transportation charges, under change in law, as additional O&M expenses, we permit the provisional billing at 90% of the fly ash transportation charges incurred by the Petitioner, in respect of its generating stations, for the balance period (i.e. 2022-24), on a monthly basis, based on self -certification, and the beneficiaries shall pay the same accordingly. This is, however, subject to prudence check of the claims, at the time of truing-up of tariff for the period 2019-24, in respect of the generating stations of the Petitioner, in terms of Regulation 13 of the 2019 Tariff Regulations.

44. We direct that the fly ash transportation cost incurred by the Petitioner, shall be recovered, in proportion to the coal consumed corresponding to the scheduled generation at normative parameters in accordance with the 2019 Tariff Regulations or at actuals, whichever is lower, for the supply of electricity to the respective Discoms. If the actual generation is less than the scheduled generation, the coal consumed for actual generation shall be considered for the purpose of computation of transportation of fly ash. The Petitioners are directed to furnish along with its monthly regular and/or supplementary bill(s), computations duly certified by the auditor, to the Respondent Discoms. The Petitioners and the Respondent Discoms are also directed to carry out reconciliation in respect of the claims, annually and the same is subject to truing-up, in terms of Regulation 13 of the 2019 Tariff Regulations."

……...

……..

Carrying Cost

47. In line with the above decision and since the Petitioner has been permitted to recover the fly ash transportation cost as 'additional O&M expenses', for the period 2019-24, in exercise of the regulatory powers under Section 79(1)(a) of the Act, we permit the recovery of these charges, along with carrying cost, at the rate of interest as specified, in terms of Regulation 10 (7) of the 2019 Tariff Regulations.".

It is pertinent to mentioned here that in compliance to the various directives of the Hon'ble commission in petition no 205/MP/2021, petitioner has already submitted entire set of documents i.e. transportation contracts, price discovery mechanism, end user certificate etc and duly audited statement of ash transportation and ash fund for the FY 2019-20, 20-21 and 21-22. Based on the above said submissions of petitioner, the Hon'ble Commission has already decided the Ash Transportation expenditure for NTPC Stations including FSTPS-I&II for the said period which has achieved finality.

Further, in compliance to Hon'ble Commission directives vide order dated 28/10/2022 in petition no 205/MP/2021 (para 43), the petitioner continued monthly billing of ash transportation expenditure @90% of expenditure provisionally for the balance period 2022-24.

In view of the above directions passed by this Hon'ble Commission, the Petitioner is now submitting the actual transportation cost incurred for ash transportation for the period 2022-24 on actual basis in Form-3A along with the required documents. It is relevant to mention that Form-3A contains information of Ash Transportation for entire control period of 2019-24 for the sake of brevity/ simplicity. It is prayed that this Hon'ble Commission may be pleased to allow the same after truing up exercise.

The ash transportation certificates are attached at **Annexure-G**.

29) The tariff calculation based on the above & other applicable provisions, in the formats provided in the **Appendix-I** of the Tariff Regulations 2019 and supplementary tariff calculations in the formats compiled under **Appendix-IA** are enclosed herewith.

30) The filing fee for the tariff determination has already been paid for the period from 2019-24 as per provisions of CERC (Payment of Fees), Regulation 2012. Accordingly, no fee is payable along with this petition for revision of tariff.

Prayer

In the light of above submissions and submissions made in respect of the directions of the Hon'ble Commission in its order dated **25.08.2023** in Petition No. **429/GT/2020** (and in **Corrigendum Order** dated **07.11.2023**) the Petitioner, therefore, prays that the Hon'ble Commission may be pleased to:

i) Approve revised tariff of **FSTPS-I&II** for the tariff period 2019-24 as per provision of Regulation 13 of Tariff Regulations 2019.

ii) Allow the cost of two-lane bridge in view of Hon'ble APTEL order dated 01.12.22 in Appeal 178 of 2017 and condone the associated delay.

iii) Allow the claims as per Hon'ble APTEL Order in Appeal no. 159 of 2017

iv) Allow the Petitioner to recover the additional O&M cost for ash transportation.

v) Allow the reimbursement of water charges, capital spares and security expenses for the instant station, as claimed by the Petitioner.

vi) Allow recovery of unrecovered depreciation as claimed by the Petitioner (as per Hon'ble APTEL Order in Appeal no. 139 of 2006)

vii) Pass any other order as it may deem fit in the circumstances mentioned above.

(Petitioner)

Noida

Date: ……

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO.....

For True-up in Pet. No. 429/GT/2020

IN THE MATTER OF : Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 & 2023 and Chapter-3, Regulation-13 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for revision of tariff of Farakka Super Thermal Power Station Stage-I&II (1600 MW) for the period from 01.04.2019 to 31.03.2024 after the truing up exercise.

AND
IN THE MATTER OF

Petitioner: : NTPC Ltd.
NTPC Bhawan
Core-7, Scope Complex
7, Institutional Area, Lodhi Road
New Delhi-110 003

Respondents: 1. West Bengal State Electricity Distribution Company Limited, Vidyut Bhawan, Block-DJ, Sector-II, Salt Lake City, Kolkata -700091
and Others

AFFIDAVIT

I, Prashant Chaturvedi, S/o Dr. S.C. Chaturvedi, aged about 48 years, working as Additional General Manager (Commercial) at NTPC Limited, having my office at 7th Floor, EOC, Sector-24, Noida- 201301, do hereby solemnly affirm and state as under:

1. I say that I am Authorized Representative of the Petitioner in the above-mentioned matter and conversant with the facts of the present case and am duly authorized to swear the present affidavit on behalf of the Petitioner.

प्रशान्त चतुर्वेदी/PRASHANT CHATURVEDI
अपर महाप्रबन्धक (वाणिज्यिक)
Addl. General Manager (Commercial)
एनटीपीसी लिमिटेड/NTPC LIMITED

13

2. I say that the contents of the accompanying petition is based on the information available with the Respondent in the normal course of business and believed by me to be true and legal submissions are based on legal advice believed by me to be true.

(Deponent)

प्रशान्त चतुर्वेदी/PRASHANT CHATURVEDI
अपर महाप्रबन्धक (वाणिज्यिक)
Addl. General Manager (Commercial)
एन टी पी सी लिमिटेड/NTPC LIMITED

Verification:

I, ..., the deponent above named, do hereby verify that the contents of the above affidavit are true to the best of my knowledge, no part of it is false and nothing material has been concealed therefrom.

Verified at Noida(UP) on this ..... day of ..... 2024.

(Deponent)

प्रशान्त चतुर्वेदी/PRASHANT CHATURVEDI
अपर महाप्रबन्धक (वाणिज्यिक)
Addl. General Manager (Commercial)
एन टी पी सी लिमिटेड/NTPC LIMITED

NOTARY
YOGENDRA SINGH
AREA NOIDA
G.B. NAGAR
REGN. NO. 5[illegible]6
GOVT. OF INDIA

ATTESTED
YOGENDRA SINGH
NOTARY NOIDA
G B NAGAR (U.P.) INDIA

26 NOV 2024

TARIFF FILING FORMS (THERMAL)

TRUE-UP PETITION FOR REVISION OF TARIFF FOR THE PERIOD 01.04.2019 TO 31.03.2024

PART-I

Appendix-I

Petition No : .....

Farakka STPS Stage-I&II

{1600 MW}

TRUE-UP PETITION FOR REVISION OF TARIFF FOR THE PERIOD 01.04.2019 TO 31.03.2024

Checklist of Main Tariff Forms and other information for tariff filing for Thermal Stations		
Form No.	**Title of Tariff Filing Forms (Thermal)**	**Tick**
FORM- 1	Summary of Tariff	✓
FORM -1 (I)	Statement showing claimed capital cost	✓
FORM -1 (II)	Statement showing Return on Equity	✓
FORM-2	Plant Characteristics	✓
FORM-3	Normative parameters considered for tariff computations	✓
FORM-3A**	Statement showing O&M Expenses	✓
FORM-3B**	Statement of Special Allowance	✓
FORM- 4	Details of Foreign loans	✓
FORM- 4A	Details of Foreign Equity	**NA**
FORM-5	Abstract of Admitted Capital Cost for the existing Projects	✓
FORM- 6	Financial Package upto COD	**NA**
FORM- 7	Details of Project Specific Loans	✓
FORM- 8	Details of Allocation of corporate loans to various projects	✓
FORM-9A**	Summary of Statement of Additional Capitalisation claimed during the period	✓
FORM-9 ##	Statement of Additional Capitalisation after COD	✓
FORM- 10	Financing of Additional Capitalisation	✓
FORM- 11	Calculation of Depreciation on original project cost	✓
FORM- 12	Statement of Depreciation	✓
FORM- 13	Calculation of Weighted Average Rate of Interest on Actual Loans	✓
FORM- 14	Draw Down Schedule for Calculation of IDC & Financing Charges	✓
FORM- 15	Details of Fuel for Computation of Energy Charges	✓
FORM-15A##	Details of Seconday Fuel for Computation of Energy Charges	✓
FORM- 15B##	Computation of Energy Charges	✓
FORM- 16	Details of Limestone for Computation of Energy Charge Rate	**NA**
FORM-17	Details of Capital Spares	✓
FORM- 18	Non-Tariff Income	✓
FORM-19	Details of Water Charges	✓
FORM-20	Details of Statutory Charges	NA
## Provided yearwise for the period 2019-24		
**** Additional Forms**		
		PART-I
List of Supporting Forms / documents for tariff filing for Thermal Stations		
Form No.	**Title of Tariff Filing Forms (Thermal)**	**Tick**
FORM-A	Abstract of Capital Cost Estimates	**NA**
FORM-B	Break-up of Capital Cost for Coal/Lignite based projects	**NA**
FORM-C	Break-up of Capital Cost for Gas/Liquid fuel based Projects	**NA**
FORM-D	Break-up of Construction/Supply/Service packages	**NA**
FORM-E	Details of variables , parameters , optional package etc. for New Project	**NA**
FORM-F	Details of cost over run	**NA**
FORM-G	Details of time over run	**NA**
FORM –H	Statement of Additional Capitalisation during end of the useful life	**NA**
FORM –I	Details of Assets De-capitalised during the period	✓
FORM –J	Reconciliation of Capitalisation claimed vis-à-vis books of accounts	✓
FORM –K	Statement showing details of items/assets/works claimed under Exclusions	✓
FORM-L	Statement of Capital cost	✓
FORM-M	Statement of Capital Woks in Progress	✓
FORM-N	Calculation of Interest on Normative Loan	✓
FORM-O	Calculation of Interest on Working Capital	✓
FORM-P	Incidental Expenditure up to SCOD and up to Actual COD	**NA**
FORM-Q	Expenditure under different packages up to SCOD and up to Actual COD	**NA**
FORM-R	Actual cash expenditure	**NA**
FORM-S	Statement of Liability flow	✓
FORM-T	Summary of issues involved in the petition	✓
**** Shall be provided at the time of true up**		

List of supporting documents for tariff filing for Thermal Stations

S. No.	Information / Document	Tick
1	Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Station setup by a company making tariff application for the first time to CERC)	NA
2	A. Station wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures on COD of the Station for the new station & for the relevant years.	NA
	B. Station wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the existing station for relevant years.	✓
3	Copies of relevant loan Agreements	NA
4	Copies of the approval of Competent Authority for the Capital Cost and Financial package.	NA
5	Copies of the Equity participation agreements and necessary approval for the foreign equity.	NA
6	Copies of the BPSA/PPA with the beneficiaries, if any	NA
7	Detailed note giving reasons of cost and time over run, if applicable.	NA
	List of supporting documents to be submitted:	
	a. Detailed Project Report	
	b. CPM Analysis	
	c. PERT Chart and Bar Chart	
	d. Justification for cost and time Overrun	
8	Generating Company shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the Generating Unit wise /stage wise/Station wise/ and subsequently consolidated at Company level as submitted to the Govt. of India for first two years i.e. 2019-20 and 2020-21 at the time of mid-term true-up in 2021-22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished.	
9	Any other relevant information, (Please specify)	NA
10	Reconciliation with Balance sheet of any actual additional capitalization and amongst stages of a generating station	✓
11	BBMB is maintaining the records as per the relevant applicable Acts. Formats specified herein may not be suitable to the available information with BBMB. BBMB may modify the formats suitably as per available information to them for submission of required information for tariff purpose.	NA

PART-I
FORM- 1

Summary of Tariff

Name of the Petitioner:	**NTPC Limited**
Name of the Generating Station:	**Farakka Super Thermal power Station Stage-I&II**
Place (Region/District/State):	**Eastern Region/ Murshidabad/ West Bengal**

Amount in Rs. Lakhs

S. No.	Particulars	Unit	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8	9
1.1	Depreciation	Rs Lakh	4,513.68	6,386.45	2,462.24	7,159.06	11,174.91	8,409.15
1.2	Interest on Loan	Rs Lakh	0.00	29.40	23.53	119.38	110.78	-
1.3	Return on Equity	Rs Lakh	30,861.85	18,137.86	18,279.51	18,658.25	19,161.46	19,626.30
1.4	Interest on Working Capital	Rs Lakh	15,828.85	11,962.91	10,913.97	10,109.60	10,771.77	16,009.69
1.5	O&M Expenses	Rs Lakh	40,837.05	72495.95	69924.11	77538.83	87119.98	103922.23
1.6	Special Allowance (If applicable)	Rs Lakh	5,317.81	5700.00	10450.00	14015.75	15200.00	15200.00
1.7	Compensation Allowance (If applicable – relevant for column 4 only)	Rs. Lakh	1,000.00					
	Total	Rs Lakh	**98359.24**	**114712.57**	**112053.35**	**127600.88**	**143538.90**	**163167.37**
1.8	**Depreciation due to availability Loss as per APTEL Order 13.06.2007**			**6835.38**				
	Total	Rs Lakh		**121547.95**	**112053.35**	**127600.88**	**143538.90**	**163167.37**
2.1	Landed Fuel Cost (coal/gas/RLNG/ liquid)	Rs/Ton	3884.87	4035.10	3703.61	3420.11	4172.16	6023.86
	(%) of Fuel Quantity	(%)	NA					
2.2	Landed Fuel Cost Imported Coal	Rs/Ton						
	(%) of Fuel Quantity	(%)						
2.3	Landed Fuel Cost (coal/gas /RLNG/liquid) other than FSA	Rs/Ton						
	(%) of Fuel Quantity	(%)						
2.4	Landed Fuel Cost Imported Coal other than FSA.							
	(%) of Fuel Quantity							
2.5	Secondary fuel oil cost	Rs/Unit	0.026	0.018	0.021	0.019	0.027	0.031
	Energy Charge Rate ex-bus	Rs/Unit	2.792	2.793	2.732	2.658	2.856	3.939

(Petitioner)

PART-I
FORM- 1(I)

Name of the Petitioner:	**NTPC Limited**
Name of the Generating Station:	**Farakka Super Thermal power Station Stage-I&II**

Amount in Rs. Lakhs

Statement showing claimed capital cost – (A+B)

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	3,21,424.25	3,22,443.16	3,26,704.73	3,37,787.81	3,46,398.02
2	Add: Addition during the year/period	943.74	3,872.50	13,081.24	7,501.51	7,374.13
3	Less: De-capitalisation during the year/period	96.80	282.06	2,569.92	177.74	-
4	Less: Reversal during the year / period	-	-	-	-	-
5	Add: Discharges during the year/ period	171.97	671.13	571.76	1,286.44	633.46
6	Closing Capital Cost	3,22,443.16	3,26,704.73	3,37,787.81	3,46,398.02	3,54,405.61
7	**Average Capital Cost**	**3,21,933.71**	**3,24,573.95**	**3,32,246.27**	**3,42,092.91**	**3,50,401.81**

Statement showing claimed capital cost eligible for RoE at normal rate (A)

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	321424.25	322443.16	326704.73	337787.81	346398.02
2	Add: Addition during the year / period	943.74	3872.50	13081.24	7501.51	7374.13
3	Less: De-capitalisation during the year / period	96.80	282.06	2569.92	177.74	0.00
4	Less: Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year / period	171.97	671.13	571.76	1286.44	633.46
6	Closing Capital Cost	322443.16	326704.73	337787.81	346398.02	354405.61
7	**Average Capital Cost**	**321933.71**	**324573.95**	**332246.27**	**342092.91**	**350401.81**

Statement showing claimed capital cost eligible for RoE at weighted average rate of interest on actual loan portfolio (B)

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	0.00	0.00	0.00	0.00	0.00
2	Add: Addition during the year / period	0.00	0.00	0.00	0.00	0.00
3	Less: De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year / period	0.00	0.00	0.00	0.00	0.00
6	Closing Capital Cost	0.00	0.00	0.00	0.00	0.00
7	**Average Capital Cost**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

(Petitioner)

PART-I
FORM- 1(IIA)

Name of the Petitioner:	**NTPC Limited**
Name of the Generating Station:	**Farakka Super Thermal power Station Stage-I&II**

Statement showing Return on Equity at Normal Rate

Amount in Rs. Lakhs

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
	Return on Equity					
1	Gross Opening Equity (Normal)	1,55,930.82	96,713.59	97,935.65	1,00,746.59	103294.1022
2	Less: Adjustment in Opening Equity	59,503.55	-	-	-	-
3	Adjustment during the year	0.00	0.00	0.00	0.00	0.00
4	Net Opening Equity (Normal)	96,427.28	96,713.59	97,935.65	1,00,746.59	1,03,294.10
5	Add: Increase in equity due to addition during the year / period	283.12	1161.75	3924.37	2250.45	2212.24
7	Less: Decrease due to De-capitalisation during the year / period	48.40	141.03	1284.96	88.87	0.00
8	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
9	Add: Increase due to discharges during the year / period	51.59	201.34	171.53	385.93	190.04
10	Net closing Equity (Normal)	96,713.59	97,935.65	1,00,746.59	1,03,294.10	1,05,696.38
11	Average Equity (Normal)	96,570.43	97,324.62	99,341.12	1,02,020.35	1,04,495.24
12	Rate of ROE (%)	18.782	18.782	18.782	18.782	18.782
13	Total ROE	**18,137.86**	**18,279.51**	**18,658.25**	**19,161.46**	**19,626.30**

(Petitioner)

					PART-I
					FORM- 1(IIB)
	Name of the Petitioner:	**NTPC Limited**			
	Name of the Generating Station:	**Farakka Super Thermal power Station Stage-I&II**			

Statement showing Return on Equity at Wt. Average Interest Rate

Amount in Rs. Lakhs

S. No.	**Particulars**	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**
1	**2**	**3**	**4**	**5**	**6**	**7**
	Return on Equity (beyond the original scope of work excluding additional capitalization due to Change in Law)					
1	Gross Opening Equity (Normal)	0.00	0.00	0.00	0.00	0.00
2	Less: Adjustment in Opening Equity	0.00	0.00	0.00	0.00	0.00
3	Adjustment during the year	0.00	0.00	0.00	0.00	0.00
4	Net Opening Equity (Normal)	0.00	0.00	0.00	0.00	0.00
5	Add: Increase in equity due to addition during the year / period	0.00	0.00	0.00	0.00	0.00
7	Less: Decrease due to De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
8	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
9	Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00
10	Net closing Equity (Normal)	0.00	0.00	0.00	0.00	0.00
11	Average Equity (Normal)	0.00	0.00	0.00	0.00	0.00
12	Rate of ROE (%)	9.121	7.938	7.545	8.615	9.363
13	Total ROE	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

(Petitioner)

PART-I
FORM-2

Plant Characteristics

Name of the Petitioner	**NTPC Limited**
Name of the Generating Station	**Farakka Super Thermal power Station Stage-I&II**

Unit(s)/Block(s)/Parameters	**Unit-I**	**Unit-II**	**Unit-III**	**Unit -IV**	**Unit-V**
Installed Capacity (MW)	200	200	200	500	500
Schedule COD as per Investment Approval					
Actual COD /Date of Taken Over (as applicable)	**01.11.86**	**01.10.87**	**01.09.88**	**01.07.96**	**01.04.95**
Pit Head or Non Pit Head	**Pit Head**	**Pit Head**	**Pit Head**	**Pit Head**	**Pit Head**
Name of the Boiler Manufacture	BHEL	BHEL	BHEL	ANSALDO	ANSALDO
Name of Turbine Generator Manufacture	KWU	KWU	KWU	BHEL	BHEL
Main Steams Pressure at Turbine inlet (kg/Cm^2) abs[1].					
Main Steam Temperature at Turbine inlet (^oC) [1]					
Reheat Steam Pressure at Turbine inlet ($kg/Cm^{2)}$ [1]					
Reheat Steam Temperature at Turbine inlet (^oC) [1]					
Main Steam flow at Turbine inlet under MCR condition (tons /hr)[2]					
Main Steam flow at Turbine inlet under VWO condition (tons /hr)[2]					
Unit Gross electrical output under MCR /Rated condition (MW)[2]					
Unit Gross electrical output under VWO condition (MW)[2]					
Guaranteed Design Gross Turbine Cycle Heat Rate (kCal/kWh)3					
Conditions on which design turbine cycle heat rate guaranteed(kcal/kwhr)					
% MCR					
% Makeup Water Consumption					
Design Capacity of Make up Water System(% of throttle steam flow)	**NOT APPLICABLE**				
Design Capacity of Inlet Cooling System					
Design Cooling Water Temperature (^0C)					
Back Pressure(Average condenser pressure in mmHg(A))					
Steam flow at super heater outlet under BMCR condition (tons/hr)					
Steam Pressure at super heater outlet under BMCR condition) **(kg/Cm^2)**					
Steam Temperature at super heater outlet under BMCR condition (**^0C**)					
Steam Temperature at Reheater outlet at BMCR condition (^0C)					
Design / Guaranteed Boiler Efficiency (%)[4]					
Design Fuel with and without Blending of domestic/imported coal					
(GCV) Domestic Design coal					
Blended Coal (Domestic Design 70%+ Imported 30%)					
Type of Cooling Tower	NA				
Type of cooling system[5]					
Type of Boiler Feed Pump[6]	MDBFP	MDBFP	MDBFP	TDBFP	TDBFP
Fuel Details[7]					
-Primary Fuel	Coal				
-Secondary Fuel	HFO				
-Alternate Fuels	NA				
Special Features/Site Specific Features[8]	MGR				
Special Technological Features[9]	-				
Environmental Regulation related features[10]	FGD is being installed				
Any other special features					

(PETITIONER)

PART-I

FORM- 3

Normative parameters considered for tariff computations

Name of the Petitioner: NTPC Limited

Name of the Generating Station: Farakka Super Thermal power Station Stage-I&II

(Year Ending March)

Particulars	Unit	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
Base Rate of Return on Equity $$	%	15.50	15.50	15.50	15.50	15.50	15.50
Base Rate of Return on Equity on Add. Capitalization** $$	%	-	7.527	6.551	6.226	7.110	7.727
Effective Tax Rate	%	21.4588	17.4720	17.4720	17.4720	17.4720	17.4720
Target Availability	%	85.00	85.00				
In High Demand Season	%	-	-	85.00	85.00	85.00	85.00
Peak Hours	%	-	-	85.00	85.00	85.00	85.00
Off-Peak Hours	%	-	-	85.00	85.00	85.00	85.00
In Low Demand Season(Off-Peak)	%	-	-	85.00	85.00	85.00	85.00
Peak Hours	%	-	-	85.00	85.00	85.00	85.00
Off-Peak Hours	%	-	-	85.00	85.00	85.00	85.00
Auxiliary Energy Consumption	%	6.47	6.78	6.78	6.78	6.78	6.78
Gross Station Heat Rate	kCal/kWh	2403.13	2405.00	2405.00	2405.00	2405.00	2405.00
Specific Fuel Oil Consumption	ml/kWh	0.50	0.50	0.50	0.50	0.50	0.50
Cost of Coal/Lignite for WC1	in Days	60	40	40	40	40	40
Cost of Main Secondary Fuel Oil for WC1	in Months	2	2	2	2	2	2
Fuel Cost for WC2	in Months						
Liquid Fuel Stock for WC2	in Months						
O&M Expenses	Rs lakh/MW	24.21	26.43	27.36	28.32	29.32	30.34
Maintenance Spares for WC	% of O&M	20.00	20.00	20.00	20.00	20.00	20.00
Receivables for WC	in Days	60	45	45	45	45	45
Storage capacity of Primary fuel	MT	8.9 Lakhs					
SBI 1 Year MCLR plus 350 basis point	%	13.50	12.05	11.25	10.50	10.50	12.00
Blending ratio of domestic coal/imported coal							

** Rate of Return on Add - cap beyong original scope and excluding Change in Law

$$ Additional RoE due to better ramp rate would be claimed at the time of true-up or as per guidelines to be issued

Petitioner

						Part-I
						FORM-3A
						ADDITIONAL FORM

Calculation of O&M Expenses

Name of the Company :	**NTPC Limited**
Name of the Power Station :	**Farakka Super Thermal power Station Stage-I&II**

Amount in Rs. Lakhs

S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	**2**	**3**	**4**	**5**	**7**	**8**
1	**O&M expenses under Reg.35(1)**					
1a	Normative	42286.00	43772.00	45306.00	46906.00	48544.00
2	**O&M expenses under Reg.35(6)**					
2a	Water Charges	5230.53	3112.44	3079.51	4588.45	5017.88
2b	Security expenses	2874.34	4780.39	3765.79	3043.39	4090.30
2c	Capital Spares	4821.70	3238.96	4343.36	3206.46	6150.22
3	O&M expenses-Ash Transportation#	17283.38	15020.32	21044.17	29375.68	40119.83
	Total O&M Expenses	**72495.95**	**69924.11**	**77538.83**	**87119.98**	**103922.23**

As per Hon'ble CERC order dated 28.10.2022 in petiton no 205/MP/2021, petitioner has billed 100% ash tarnsportation expenses for the year 2019-20,2020-21 & 2021-22 and billed @90% of expenditure provisionally for the balance period 2022-24.

Petitioner

							Part-I
							FORM-3B
							ADDITIONAL FORM

Statement of Ash Transportation Expenses

Name of the Petitioner:	**NTPC Limited**
Name of the Generating Station:	**Farakka Super Thermal Power Station Stage-I&II**

Amount in Rs. in Lakh

S.No.	Particulars	UOM	2019-20	2020-21	2021-22	2022-23	2023-24
1	Total Ash Transportation Charges Incurred at FSTPS	Rs Lakh	25,303.56	21,699.23	29,584.82	40,034.80	53,018.17
2	Income from sales of Ash at Farakka Station	Rs Lakh	3,384.79	1,434.12	1,296.11	942.06	971.16
3	Net Ash Transportation Charges, Farakka Station	Rs Lakh	21,918.77	20,265.11	28,288.71	39,092.73	52,047.02
4	Capacity, Farakka Stage-I&II	MW	1,600.00	1,600.00	1,600.00	1,600.00	1,600.00
5	Station Capacity	MW	2,100.00	2,100.00	2,100.00	2,100.00	2,100.00
6	Prorated Ash Trans. Charges for FSTPS Stage-I&II ##	Rs Lakh	17,283.38	15,020.32	21,044.17	29,375.68	40,119.83
7	Annualised Net Ash Transportation Charges	Rs Lakh	**17,283.38**	**15,020.32**	**21,044.17**	**29,375.68**	**40,119.83**

Petitioner

Ash Transportatition charges from 2019-20 to 2021-22 were allowed by Hon'ble Commission vide its order dated 28.10.2022 in Petition No-205/MP/2021

PART-I
FORM-3B
Additional Form

Computation of Special Allowance

Name of the Company :	**NTPC Limited**
Name of the Power Station :	**Farakka Super Thermal power Station Stage-I&II**

Rate of Special allowance @lakh/MW/year	**9.5**

(Rs. Lakh)

Unit No.	Capacity (MW)	Date of COD	Year of completion of useful life of 25 yrs.		Special Allowance as per Clause 28				
				Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	200	1-Nov-86	2011-12	1699.47	1900.00	1900.00	1900.00	1900.00	1900.00
2	200	1-Oct-87	2012-13	1699.47	1900.00	1900.00	1900.00	1900.00	1900.00
3	200	1-Sep-88	2013-14	1918.85	1900.00	1900.00	1900.00	1900.00	1900.00
4	500	1-Jul-96	2021-22	0.00	0.00	0.00	3565.75	4750.00	4750.00
5	500	1-Apr-95	2020-21	0.00	0.00	4750.00	4750.00	4750.00	4750.00
Year wise Total for the Station				**5317.79**	**5700.00**	**10450.00**	**14015.75**	**15200.00**	**15200.00**

Petitioner

Form-4

DETAILS OF FOREIGN LOANS

(Details only in respect of loans applicable to the project under petition)

Name of the company		**NTPC LIMITED**					
Name of the Power Station							
Exchange Rate as on	31-03-2019	USD = Rs.	69.77	EUR = Rs.	78.84	JPY = Rs.	0.6343
Exchange Rate as on	31-03-2020	USD = Rs.	76.06	EUR = Rs.	84.43	JPY = Rs.	0.7069
Exchange Rate as on	31-03-2021	USD = Rs.	74.06	EUR = Rs.	87.28	JPY = Rs.	0.6730
Exchange Rate as on	31-03-2022	USD = Rs.	76.33	EUR = Rs.	85.76	JPY = Rs.	0.6280
Exchange Rate as on	31-03-2023	USD = Rs.	82.74	EUR = Rs.	90.87	JPY = Rs.	0.6263
Exchange Rate as on	31-03-2024	USD = Rs.	83.95	EUR = Rs.	91.51	JPY = Rs.	0.5576

6.00800% (Amount in Lacs) (Amount in Lacs) (Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2019-20 (01.04.2019 to 31.03.2020)**				**2020-21 (01.04.2020 to 31.03.2021)**				**2021-22 (01.04.2021 to 31.03.2022)**				**2022-23 (01.04.2022 to 31.03.2023)**				**2023-24 (01.04.2023 to 31.03.2024)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
KfW -ESP	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 EURO	15-03-2019																			
At the date of drawl	01-04-2019	57.08	78.84	4,499.87	01-04-2020	57.08	84.43	4,818.92	01-04-2021	57.08	87.28	4,981.59	01-04-2022	57.08	85.76	4,894.83	01-04-2023	57.08	90.87	5,186.49
Loan repayment upto previous period		14.27	78.84	1,124.97		21.40				28.54				35.67				42.81		
Net loan at the Beginning of the period	01-04-2019	42.81	78.84	3,374.90	01-04-2020	35.67	84.43	3,011.83	01-04-2021	28.54	87.28	2,490.79	01-04-2022	21.40	85.76	1,835.56	01-04-2023	14.27	90.87	1,296.62
Schedule repayment date of principal	15-09-2019	3.57	78.60	280.39	15-09-2020	3.57	86.97	310.25	15-09-2021	3.57	86.90	310.01	15-09-2022	3.57	80.34	286.59	15-09-2023	3.57	89.05	317.68
Scheduled payment date of interest	15-09-2019	0.68	78.60	53.67	15-09-2020	0.57	86.97	49.48	15-09-2021	0.46	86.90	39.56	15-09-2022	0.34	80.34	27.43	15-09-2023	0.23	89.05	20.27
Witholding tax including surcharge on interest	15-09-2019	-		-	15-09-2020	-	0.00	-	15-09-2021	-	0.00	-	15-09-2022	-	0.00	-	15-09-2023	-	0.00	-
Schedule repayment date of principal	15-03-2020	3.57	83.77	298.81	15-03-2021	3.57	86.71	309.31	15-03-2022	3.57	84.01	299.67	15-03-2023	3.57	87.78	313.15	15-03-2024	3.57	90.47	322.73
Scheduled payment date of interest	15-03-2020	0.63	83.77	52.43	15-03-2021	0.51	86.71	44.40	15-03-2022	0.40	84.01	33.46	15-03-2023	0.28	87.78	24.97	15-03-2024	0.17	90.57	15.46
Witholding tax including surcharge on interest	15-03-2020	-		-	15-03-2021	-	0.00	-	15-03-2022	-	0.00	-	15-03-2023	-	0.00	-	15-03-2024	-	0.00	-
ERV	31-03-2020			216.13	31-03-2021			98.52	31-03-2022			- 45.56	31-03-2023			60.80	31-03-2024			- 3.34
At the end of Financial year	31-03-2020	**35.67**	**84.43**	3,011.83	31-03-2021	**28.54**	**87.28**	**2,490.79**	31-03-2022	**21.40**	**85.76**	**1,835.56**	31-03-2023	**14.27**	**90.87**	**1,296.62**	31-03-2024	**7.13**	**91.51**	**652.88**

PART 1
FORM- 5

Abstract of Admitted Capital Cost for the existing Projects

Name of the Company :	**NTPC Limited**
Name of the Power Station :	**Farakka Super Thermal power Station Stage-I&II**

Last date of order of Commission for the project	**Date (DD-MM-YYYY)**	17.04.2023
Reference of petition no. in which the above order was passed	**Petition no.**	698/GT/2020
Following details (whether admitted and /or considered) as on the last date of the period for which tariff is approved, in the above order by the Commission:		31.03.2019
Capital cost	**(Rs. in lakh)**	321424.26
Amount of un-discharged liabilities included in above (& forming part of admitted capital cost)		1267.11
Amount of un-discharged liabilities corresponding to above admitted capital cost (but not forming part of admitted capital cost being allowed on cash basis)		
Gross Normative Debt		1,65,493.43
Cumulative Repayment		1,64,712.33
Net Normative Debt		781.1
Normative Equity		1,55,930.82
Cumulative Depreciation		2,82,632.45
Freehold land		802.35

(Petitioner)

					FORM-8
Details of Allocation of corporate loans to various projects					
Name of the Petitioner					
Name of the Petitioner					
Form 8- Domestic Bonds- Details of Allocation of corporate loans to					
Particulars	***54***	**69**	**73**	**74**	**75**
Source of Loan1	BONDS	INR	INR	INR	INR
Currency2	INR	4,30,000	2,50,000	3,99,600	3,00,000
Amount of Loan sanctioned	10,30,683	4,30,000	2,50,000	3,99,600	3,00,000
Interest Type6	Fixed	Fixed	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	8.49%	7.32%	6.43%	6.87%	6.69%
Base Rate, if Floating Interest7	N/A	N/A	N/A	N/A	N/A
Margin, if Floating Interest8	N/A	N/A	N/A	N/A	N/A
Are there any Caps/Floor9	No	No	No	No	No
If above is yes,specify caps/floor	N/A	N/A	N/A	N/A	N/A
Moratorium Period10	8	10	10	15 Years and 1 day	10
Moratorium effective from #	25-03-2015	17-07-2019	27-01-2021	20-04-2021	13-09-2021
Repayment Period11	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment effective from	25-03-2023	17-07-2029	27-01-2031	21-04-2036	13-09-2031
Repayment Frequency12	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment Instalment13,14	Installments 1st - 206,136.61 2nd - 412,273.22 3rd - 412,273.22	4,30,000	2,50,000	3,99,600	3,00,000
Base Exchange Rate16	N/A	N/A	N/A	N/A	N/A
Door to Door Maturity	10	10	10	15 Years and 1 day	10
Name of the Projects					
Anantpur Solar	5,600.00				
Anta Solar 90MW		**0**			650.00
Auraiya R&M			200.00		
Auraiya Solar 20MW			400.00		
Auraiya Solar FS 20MW				150.00	
Badarpur R&M	2,300.00				
Barauni-II				1,500.00	8,400.00
BARH I	74,883.05	84,200.00	51,100.00	32,900.00	42,800.00
BARH II	63,500.00	1,400.00			
BONGAIGAON	54,000.00	17,100.00			
CC	-				
CC - Jhabua Power					
CC - NEEPCO		1,391.30	18,243.00	56,696.00	48,250.00
CC - THDC		2,608.70	34,207.00	1,06,304.00	90,470.00
CHATTI BARIATU CMB	8,100.00	3,000.00	825.00	200.00	1,350.00
DADRI GAS R&M	600.00			100.00	200.00
DARLIPALLI	49,200.00	40,000.00	28,300.00	11,500.00	1,000.00
DULANGA COAL		5,000.00	2,700.00	3,400.00	4,100.00
FARAKKA III	10,900.00				
FARAKKA R&M	**2,000.00**	**1,000.00**	**1,700.00**	**1,600.00**	**1,550.00**
Farakka-I , II & III FGD				1,500.00	550.00
Faridabad R&M			100.00		700.00
GADARWARA	81,000.00	47,600.00	19,000.00	7,500.00	
Gandhar 20MW				3,750.00	90.00
Gandhar R &M	4,300.00				
KAHALGAON II	1,800.00				

					FORM-8
Details of Allocation of corporate loans to various projects					
Name of the Petitioner					
Name of the Petitioner					
Form 8- Domestic Bonds- Details of Allocation of corporate loans to					
Particulars	***54***	**69**	**73**	**74**	**75**
KAHALGAON R&M			600.00	1,200.00	2,620.00
Kahalgaon-I & II FGD				300.00	
Khstpp R & M	2,000.00				
Kawas Solar				2,800.00	5,250.00
Kawas R & M	1,400.00				
Kayamkulam FS (22 MW)			170.00	2,000.00	2,195.00
Kayamkulam FS (70 MW)			1,830.00	2,850.00	1,925.00
KHARGONE	45,000.00	13,500.00	3,000.00	2,000.00	
Kirenderi Coal Mine			7,350.00		165.00
KOLDAM	25,100.00				
KORBA III	9,200.00				
KORBA R&M	4,400.00		2,300.00	1,350.00	4,050.00
Korba-I, II & III FGD				100.00	
KUDGI	1,23,300.00	21,500.00			
KUDGI-FGD		2,500.00		2,950.00	1,000.00
LARA	53,300.00	10,600.00	1,700.00	14,000.00	
MAUDA I	21,900.00	6,000.00		500.00	
MAUDA II	45,800.00	29,000.00		100.00	2,200.00
Nabinagar					
NCPS-FGD		6,500.00			5,600.00
NCTPP II	11,000.00				
NCTPP R&M	3,700.00			200.00	
Nokh Solar Plot-I (245MW)					
Nokh Solar Plot-II (245MW)					
Nokh Solar Plot-III (245MW)					
NORTH KARANPURA	12,400.00	15,000.00	9,500.00	11,700.00	11,900.00
PAKRI BARWADIH CMB	26,600.00			20,000.00	
RAMAGUNDAM R&M	2,400.00			3,300.00	
Ramagundam Floating Solar-100 MW			3,375.00	3,800.00	8,640.00
Ramagundam I & II R&M			4,200.00		8,985.00
RAMAGUNDAM SOLAR	-	1,000.00			
Ramagundam-I & II FGD					100.00
Ramagundam-III (1x500 MW)				400.00	
RAMMAM	3,100.00	2,500.00	3,300.00	1,100.00	800.00
Rihand- I FGD					20.00
Rihand- II & III FGD					130.00
RIHAND III	28,300.00				
RIHAND R&M	2,500.00		1,200.00	2,000.00	6,275.00
Rihand Solar (20MW)				300.00	510.00
Simhadri Floating			1,875.00	3,050.00	525.00
SIMHADRI II	26,800.00				
SIMHADRI R&M	900.00				200.00
Simhadri-II & I (2x500 MW) & (2x500 MW) FGD				7,600.00	1,150.00
Singrauli R&M		1,000.00	4,200.00	1,700.00	2,725.00
Singrauli-I & II FGD				8,700.00	150.00
SIPAT I	20,500.00				
Sipat-I (3x660 MW) FGD				5,600.00	1,100.00
SIPAT II	-				
SOLAPUR	70,300.00	21,500.00			
Solapur Solar					2,575.00
Solapur-FGD				2,700.00	3,450.00

					FORM-8
Details of Allocation of corporate loans to various projects					
Name of the Petitioner					
Name of the Petitioner					
Form 8- Domestic Bonds- Details of Allocation of corporate loans to					
Particulars	***54***	**69**	**73**	**74**	**75**
Talaipali Coal Mine	-	11,500.00	19,400.00	4,800.00	2,160.00
TALCHER II	12,000.00				
TALCHER R&M			500.00		
TTPS R & M	1,000.00				
TANDA R&M					
TANDA II	9,000.00	17,000.00	9,500.00	16,700.00	1,000.00
TAPOVAN VISHNUGAD	28,000.00	16,600.00	6,200.00	8,000.00	1,500.00
TELANGANA	-	37,000.00	9,725.00	20,300.00	9,200.00
TSTPP R&M	1,600.00				640.00
TSTPS Stage-II & I FGD				9,700.00	
UNCHAHAR IV	17,400.00	14,000.00			
Unchahar R&M	3,400.00		500.00	900.00	1,050.00
Unchahar-I, II & III-FGD				5,400.00	5,100.00
Unchahar-IV-FGD				2,750.00	1,200.00
VINDHYACHAL IV	17,200.00				
VINDHYACHAL R&M			2,800.00	1,450.00	2,900.00
Vindhyachal V	33,500.00				
Vindhyachal R & M	1,200.00				
Vindhyachal-I &II FGD				200.00	900.00
Vidhyachal Hydro**	1,900.00				
Singrauli R & M	1,600.00				
Vindyachal Solar**	4,800.00				
	10,30,683.05	**4,30,000.00**	**2,50,000.00**	**3,99,600.00**	**3,00,000.00**

Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 5050000561	T00001	D00010
Unsecured Loan From HDFC Bank Ltd. V		
Source of Loan :	HDFC Bank Ltd. V	
Currency :	INR	
Amount of Loan :	25,00,00,00,000	
Total Drawn amount :	7,30,00,00,000	
Date of drawl	26.09.2018	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.45%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	26.09.2018	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	25.09.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	60,00,00,000
	BONGAIGAON	12,00,00,000
	LARA-I	2,35,00,00,000
	SOLAPUR	37,00,00,000
	TAPOVAN VISHNUGARH	25,00,00,000
	TELANGANA	80,00,00,000
	KHARGONE	1,35,00,00,000
	GADARWARA	85,00,00,000
	FARAKKA	**61,00,00,000**
Total Allocated Amount		**7,30,00,00,000**

Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 5050000661	**T00001**	**D00004**
Unsecured Loan From SBI-XI		
Source of Loan :	**SBI-XI**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	8,00,00,00,000	
Date of Drawal:	22.11.2018	
Interest Type :	Floating	
Fixed Interest Rate :	----------	
Base Rate, If Floating Interest	8.35%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	22.11.2018	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	01.10.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	**Project Name**	**Amount**
	BARH-I	40,00,00,000
	TAPOVAN VISHNUGARH	11,00,00,000
	BONGAIGAON	11,00,00,000
	SOLAPUR	20,00,00,000
	LARA-I	50,00,00,000
	GADARWARA	55,00,00,000
	NORTH KARANPURA	36,00,00,000
	DARLIPALLI	40,00,00,000
	TANDA-II	10,00,00,000
	KHARGONE	75,00,00,000
	TELANGANA	75,00,00,000
	TALAIPALI COAL MINE	7,00,00,000
	RAMAGUNDAM I & II R&M	36,00,00,000
	VINDHYACHAL R&M	14,00,00,000
	FARAKKA R&M	**10,00,00,000**
	KAHALGAON R&M	10,00,00,000
	KHARGONE	2,00,00,00,000
	TELANGANA	1,00,00,00,000
Total Allocated Amount		**8,00,00,00,000.00**

Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 5050000442	**T00001**	D0001
Unsecured Loan From SBI-VIII		
Source of Loan :	**SBI-VIII**	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of Drawal:	21.01.2015	
Interest Type :	Floating	
Fixed Interest Rate :	----------	
Base Rate, If Floating Interest	D0001-3-8.25%	
Margin, If Floating Interest :		
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	21.01.2015	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.01.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	**Project Name**	**Amount**
	BARH-I	1,00,00,00,000
	FARAKKA R&M	**25,00,00,000**
	TSTPP R&M	40,00,00,000
	SINGRAULI R&M	40,00,00,000
	RAMAGUNDAM R&M	50,00,00,000
	KAWAS R&M	60,00,00,000
	KORBA R&M	60,00,00,000
	GANDHAR R&M	1,25,00,00,000
Total Allocated Amount		**5,00,00,00,000.00**

Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 5050000531	T00001	D0010
Unsecured Loan From SBI-IX		
Source of Loan :	SBI-IX	
Currency :	INR	
Amount of Loan :	30,00,00,00,000	
Total Drawn amount :	13,70,00,00,000	
Date of Drawal:	29.06.2018	
Interest Type :	Floating	
Fixed Interest Rate :	----------	
Base Rate, If Floating Interest	8.25%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	29.06.2018	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.03.2021	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	**Project Name**	**Amount**
	CC F&A	6,85,00,00,000
	BARH-I	40,00,00,000
	TAPOVAN VISHNUGARH	15,00,00,000
	BONGAIGAON	15,00,00,000
	SOLAPUR	20,00,00,000
	LARA-I	55,00,00,000
	GADARWARA	1,00,00,00,000
	NORTH KARANPURA	60,00,00,000
	DARLIPALLI	45,00,00,000
	TANDA II	60,00,00,000
	RAMMAM	10,00,00,000
	KHARGONE	75,00,00,000
	TELANGANA	75,00,00,000
	TTPS R&M	10,00,00,000
	VINDHYACHAL R&M	10,00,00,000
	FARAKKA R&M	**50,00,00,000**
	DADRI GAS R&M	45,00,00,000
Total Allocated Amount		**13,70,00,00,000.00**

Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 5050000571	**T00001**	**D00003**
Unsecured Loan From Punjab National Bank-III		
Source of Loan :	**Punjab National Bank-III**	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of Drawl	13.08.2018	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.30%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	13.08.2018	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	01.02.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	30,00,00,000.00
	SOLAPUR	20,00,00,000.00
	TANDA-II	20,00,00,000.00
	TALLAIPALLI	50,00,00,000.00
	SINGRAULI R&M	80,00,00,000.00
	FARAKKA R&M	**80,00,00,000.00**
	RIHAND R&M	50,00,00,000.00
	DADRI GAS R&M	40,00,00,000.00
	KORBA R&M	40,00,00,000.00
	RAMAGUNDAM R&M	40,00,00,000.00
	VINDHAYACHAL R&M	30,00,00,000.00
	UNCHAHAR R&M	20,00,00,000.00
Total Allocated Amount		**5,00,00,00,000.00**
Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 5050000791	**T00001**	**D00002**
Unsecured Loan From HDFC Bank Ltd. VII		
Source of Loan :	**HDFC Bank Ltd. VII**	
Currency :	INR	
Amount of Loan :	25,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	21.06.2019	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.40%	

Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	21.06.2019	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	11.06.2026	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	NCPS-FGD	10,00,00,000
	FSTPS R&M	**10,00,00,000**
	KORBA-R&M	10,00,00,000
	SOLAPUR	50,00,00,000
	MOUDA-II	50,00,00,000
	TELANGANA	30,00,00,000
	Singrauli-R&M	30,00,00,000
	Simhadri-R&M	15,00,00,000
	Korba-R&M	10,00,00,000
	Ramagundam-R&M	10,00,00,000
	VSTPS R&M	10,00,00,000
	TANDA-II	30,00,00,000
	DARLIPALLI	30,00,00,000
	NORTH KARANPURA	30,00,00,000
	GADARWARA	40,00,00,000
	LARA-I	15,00,00,000
	BARH-I	1,20,00,00,000
Total Allocated Amount		5,00,00,00,000
Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 5050000791	**T00001**	**D00003**
Unsecured Loan From HDFC Bank Ltd. VII		
Source of Loan :	**HDFC Bank Ltd. VII**	
Currency :	INR	
Amount of Loan :	25,00,00,00,000	
Total Drawn amount :	1,70,00,00,000	
Date of drawl	01.01.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.65%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	01.01.2020	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	

First Repayment Date :	11.06.2026	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KORBA R&M	20,00,00,000
	RAMAGUNDAM R&M	40,00,00,000
	VINDHYACHAL R&M	40,00,00,000
	FARAKKA R&M	**30,00,00,000**
	UNCHAHAR R&M	10,00,00,000
	RIHAND R&M	10,00,00,000
	TSTPP R&M	10,00,00,000
	KAHALGAON R&M	10,00,00,000
Total Allocated Amount		**1,70,00,00,000**
Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 5050000762	**T00001**	**D00006**
Unsecured Loan From AXIS BANK-II		
Source of Loan :	**AXIS BANK-II**	
Currency :	INR	
Amount of Loan :	25,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of Drawl	08.04.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.45%	
Margin, If Floating Interest :	-	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	08.04.2020	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	11.07.2023	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	70,00,00,000
	GADARWARA	60,00,00,000
	DARLIPALLI	20,00,00,000
	KHARGONE	20,00,00,000
	BARAUNI-II	40,00,00,000
	BILHAUR SOLAR 85MW	30,00,00,000
	AURAIYA SOLAR 20MW	5,00,00,000
	AURAIYA SOLAR FS 20MW	5,00,00,000
	SIMHADRI FLOATING	5,00,00,000
	SINGRAULI R&M	43,00,00,000
	KORBA R&M	32,00,00,000
	RAMAGUNDAM I & II R&M	45,00,00,000
	VINDHYACHAL R&M	40,00,00,000

	FARAKKA R&M	**26,00,00,000**
	RIHAND R&M	35,00,00,000
	DADRI GAS R&M	6,00,00,000
	TSTPP R&M	8,00,00,000
	NCTPP R&M	5,00,00,000
	CHATTI BARIATU CMB	5,00,00,000
Total Allocated Amount		**5,00,00,00,000**
	TRANCHE NO	
BP NO 5050000981	**T00001**	**D00008**
Unsecured Loan From HDFC Bank Ltd. IX		
Source of Loan :	**HDFC Bank Ltd. IX**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	18.11.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	5.95%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	18.11.2020	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	30.06.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH I	1,75,00,00,000.00
	BARAUNI-II	25,00,00,000.00
	SOLAPUR	20,00,00,000.00
	TTPS R&M	1,00,00,000.00
	SINGRAULI R&M	15,00,00,000.00
	KORBA R&M	15,00,00,000.00
	RAMAGUNDAM I & II R&M	43,50,00,000.00
	VINDHYACHAL R&M	18,00,00,000.00
	FARAKKA R&M	**12,00,00,000.00**
	UNCHAHAR R&M	16,00,00,000.00
	RIHAND R&M	16,00,00,000.00
	FARIDABAD R&M	1,50,00,000.00
	DADRI GAS R&M	3,00,00,000.00
	TSTPP R&M	11,50,00,000.00
	KAHALGAON R&M	16,00,00,000.00
	SIMHADRI R&M	1,50,00,000.00
	CHATTI BARIATU CMB	25,00,00,000.00
	TALAIPALI COAL MINE	75,00,00,000.00
	KIRENDARI	10,00,00,000.00
Total Allocated Amount		**5,00,00,00,000**
	TRANCHE NO	

BP NO 5050000981	T00001	D00010
Unsecured Loan From HDFC Bank Ltd. IX		
Source of Loan :	**HDFC Bank Ltd. IX**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	6,83,00,00,000	
Date of drawl	24.12.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	5.95%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	24.12.2020	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	30.06.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	TANDA-II	7,50,00,000.00
	BARH I	68,00,00,000.00
	NORTH KARANPURA	50,00,00,000.00
	GADARWARA	50,00,00,000.00
	LARA-I	30,00,00,000.00
	DARLIPALLI	10,00,00,000.00
	KHARGONE	84,00,00,000.00
	TAPOVAN VISHNUGARH	25,00,00,000.00
	RAMMAM	15,00,00,000.00
	BARAUNI-II	3,00,00,000.00
	RAMAGUNDAM FLOATING S	9,00,00,000.00
	BILHAUR SOLAR 140MW	6,00,00,000.00
	BILHAUR SOLAR 85MW	13,00,00,000.00
	AURAIYA SOLAR 20MW	3,20,00,000.00
	SIMHADRI FLOATING	1,50,00,000.00
	KAYAMKULAM FS (22 MW)	4,00,00,000.00
	JETSAR SOLAR	2,00,00,000.00
	FATEHGARH (296MW)	60,00,00,000.00
	BONGAIGAON	60,00,00,000.00
	SOLAPUR	10,00,00,000.00
	KORBA R&M	10,00,00,000.00
	VINDHYACHAL R&M	5,30,00,000.00
	FARAKKA R&M	**2,50,00,000.00**
	KIRENDARI	4,00,00,000.00
	PAKRI BARWADIH CMB	1,50,00,00,000.00
Total Allocated Amount		**6,83,00,00,000**
Form 8		
	TRANCHE NO	
BP NO 5050001151	**T00001**	**D00002**
Unsecured Loan From HDFC Bank Ltd. X		

Source of Loan :	**HDFC Bank Ltd. X**	
Currency :	INR	
Amount of Loan :	30,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	24.11.2021	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	5.83%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	24.11.2021	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	24.11.2025	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	NORTH KARANPURA	24,00,00,000.00
	RAMMAM	3,00,00,000.00
	TELANGANA	23,00,00,000.00
	LARA	50,00,00,000.00
	GADARWARA	50,00,00,000.00
	DARLIPALLI	77,00,00,000.00
	TANDA-II	65,00,00,000.00
	BARAUNI-II	20,00,00,000.00
	SINGRAULI R&M	15,00,00,000.00
	KORBA R&M	25,00,00,000.00
	RAMAGUNDAM I & II R&M	40,00,00,000.00
	VINDHYACHAL R&M	7,00,00,000.00
	FARAKKA R&M	**10,00,00,000.00**
	UNCHAHAR R&M	4,00,00,000.00
	RIHAND R&M	15,00,00,000.00
	KAHALGAON R&M	3,00,00,000.00
	CHATTI BARIATU CMB	5,00,00,000.00
	DULANGA COAL MINE	26,00,00,000.00
	TALAIPALI COAL MINE	26,00,00,000.00
	KIRENDARI	3,00,00,000.00
	BARH-II FGD	2,50,00,000.00
	MOUDA-II FGD	6,50,00,000.00
Total Allocated Amount		**5,00,00,00,000**
Form 8		
	TRANCHE NO	
BP NO 5050001151	**T00001**	**D00004**
Unsecured Loan From HDFC Bank Ltd. X		
Source of Loan :	**HDFC Bank Ltd. X**	
Currency :	INR	
Amount of Loan :	30,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	12.05.2022	
Interest Type :	Floating	

Fixed Interest Rate :		
Base Rate, If Floating Interest	5.83%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	24.11.2021	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	24.11.2025	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	NORTH KARANPURA	33,00,00,000.00
	KAYAKULAM FLOATING	40,00,00,000.00
	AURAIYA SOLAR FS 20	5,00,00,000.00
	JETSAR SOLAR	10,00,00,000.00
	DEVIKOT SOLAR	5,00,00,000.00
	DEVIKOT SOLAR-90MW	20,00,00,000.00
	NOKHRA SOLAR	1,00,00,00,000.00
	ETTAYAPURAM SOLAR	5,50,00,000.00
	RIHAND-SOLAR	1,00,00,000.00
	KAWAS SOLAR	5,00,00,000.00
	ANTA SOLAR	8,50,00,000.00
	SOLAPUR SOLAR	5,00,00,000.00
	NOKH SOLAR PLOT-I (245MW)	33,00,00,000.00
	NOKH SOLAR PLOT-III (245M	39,00,00,000.00
	SINGRAULI-R&M	13,00,00,000.00
	KORBA-R&M	10,00,00,000.00
	RAMAGUNDAM-R&M	37,00,00,000.00
	VSTPS R&M	9,00,00,000.00
	FSTPS R&M	**20,00,00,000.00**
	RIHAND-R&M	20,00,00,000.00
	FARIDABAD R&M	5,00,00,000.00
	TSTPP R&M	10,00,00,000.00
	KAHALGAON(R&M)	10,00,00,000.00
	NCPS-STAGE-I-DSI	56,00,00,000.00
Total Allocated Amount		**5,00,00,00,000**
Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 5050001263	**T00001**	D0001
Unsecured Loan From Indusind Bank		
Source of Loan :	Indusind Bank	
Currency :	INR	
Amount of Loan :	15,00,00,00,000	
Total Drawn amount :	2,16,42,00,000	
Date of Drawal:	15.07.2022	
Interest Type :	FLOATING	
Rate of Interest	6.82%	
Margin, If Floating Interest :	0.00%	

Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	15-Jul-22	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Equal annual Instalments	
Repayment Type :	AVG	
First Repayment Date :	15-Jul-26	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	**Project Name**	**Amount**
	ETTAYAPURAM SOLAR(230MV	14,42,00,000.00
	NORTH KARANPURA	52,00,00,000.00
	DEVIKOT SOLAR-90MW	13,00,00,000.00
	SAMBHU KI BHURJ SOLAR 250	9,00,00,000.00
	FATEHGARH (296MW)	10,00,00,000.00
	KAWAS SOLAR 56MW	5,00,00,000.00
	BARAUNI-II (2X250MW)	8,00,00,000.00
	SINGRAULI R&M	20,00,00,000.00
	KORBA R&M	20,00,00,000.00
	RAMAGUNDAM I & II R&M	20,00,00,000.00
	VINDHYACHAL R&M	11,00,00,000.00
	FARAKKA R&M	**7,00,00,000.00**
	CHATTI BARIATU CMB	10,00,00,000.00
	TALAIPALI COAL MINE	13,00,00,000.00
	KIRENDARI	4,00,00,000.00
Total Allocated Amount		**2,16,42,00,000.00**
Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 50500001041	**T00001**	**D00009**
Unsecured Loan From Bank Of India-IV		
Source of Loan :	**Bank Of India-IV**	
Currency :	INR	
Amount of Loan :	22000000000	
Total Drawn amount :	1,94,00,00,000	
Date of Drawal :	30-03-2023	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.15%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	05.03.2021	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	Yearly	
Repayment Type :	AVG	
First Repayment Date :	07.12.2024	
Base Exchange Rate :	RUPEE	

Date of Base Exchange Rate :		
Project Code	**Project Name**	**Amount**
	NCTPP R&M	50000000
	DADRI GAS R&M	60000000
	SIMHADRI FLOATING	50000000
	RIHAND-R&M	350000000
	KORBA-R&M	320000000
	VSTPS R&M	400000000
	FSTPS R&M	**260000000**
	RAMAGUNDAM-R&M	450000000
Total Allocated Amount		**1,94,00,00,000**

Summary of Gross Block reconciliation (2018-19)				Annexure IA	
				Amount in Rs.	
Sr.No.	**Particular**	**ST-I&II**	**ST-III**	**KATWA**	**TOTAL GB 31.03.2019**
1	Closing Gross Block as per Audited Balance Sheet	14,70,74,73,894.00	22,55,62,40,390.00	17,97,20,829.05	37,44,34,35,113.05
2	Opening Gross Block as per Audited Balance Sheet of 2018-19	12,75,75,72,670.00	22,45,80,95,440.00	17,97,27,408.00	35,39,53,95,518.00
3	Addition During the Year (2-1)	1,94,99,01,224.00	9,81,44,950.00	-6,578.95	2,04,80,39,595.05
4	Ind-AS Adjustment	-59,55,23,656.00	-26,86,245.00	-13,911.00	-59,82,23,812.00
5	Addition During the Year (3+4) (IGAAP)	1,35,43,77,568.00	9,54,58,705.00	7332.10	1,44,98,43,605.10
Summary of Gross Block reconciliation (2019-20)					
Sr.No.	**Particular**	**ST-I&II**	**ST-III**	**KATWA**	**TOTAL GB 31.03.2020**
1	Closing Gross Block as per Audited Balance Sheet	15,44,32,58,932.17	23,11,02,23,833.88	1,49,01,29,865.62	40,04,36,12,631.67
2	Opening Gross Block as per Audited Balance Sheet of 201-20	14,70,74,73,894.00	22,55,62,40,390.00	17,97,20,829.05	37,44,34,35,113.05
3	Addition During the Year (2-1)	73,57,85,038.17	55,39,83,443.88	1,31,04,09,036.57	2,60,01,77,518.62
4	Ind-AS Adjustment	-20,58,85,811.68	-29,02,31,063.51	16,40,885.96	-49,44,75,989.23
5	Addition During the Year (3+4) (IGAAP)	52,98,99,226.49	26,37,52,380.37	1,31,20,49,922.53	2,10,57,01,529.39
Summary of Gross Block reconciliation (2020-21)					
Sr.No.	**Particular**	**ST-I&II**	**ST-III**	**KATWA**	**TOTAL GB 31.03.2021**
2	Closing Gross Block as per Audited Balance Sheet	16,50,45,14,718.80	23,29,82,02,153.77	1,49,20,47,069.62	41,29,47,63,942.19
1	Opening Gross Block as per Audited Balance Sheet of 2020-21	15,44,32,58,932.18	23,11,02,23,833.88	1,49,01,29,865.62	40,04,36,12,631.68
3	Addition During the Year (2-1)	1,06,12,55,786.62	18,79,78,319.89	19,17,204.00	1,25,11,51,310.51
4	Ind-AS Adjustment	-17,28,963.77	5,17,42,334.79	0.00	5,00,13,371.02
5	Addition During the Year (3+4) (IGAAP)	1,05,95,26,822.85	23,97,20,654.68	19,17,204.00	1,30,11,64,681.53
Summary of Gross Block reconciliation (2021-22)					
Sr.No.	**Particular**	**ST-I&II**	**ST-III**	**KATWA**	**TOTAL GB 31.03.2022**
2	Closing Gross Block as per Audited Balance Sheet	19,25,94,59,739.59	23,59,18,35,804.54	1,49,26,18,154.62	44,34,39,13,698.75
1	Opening Gross Block as per Audited Balance Sheet of 2021-22	16,50,45,14,718.80	23,29,82,02,153.77	1,49,20,47,069.62	41,29,47,63,942.19
3	Addition During the Year (2-1)	2,75,47,85,868.29	29,37,92,803.27	5,71,085.00	3,04,91,49,756.56
4	Ind-AS Adjustment	-64,43,13,306.80	-30,11,931.05	0.00	-64,73,25,237.85
5	Addition During the Year (3+4) (IGAAP)	2,11,04,72,561.49	29,07,80,872.22	5,71,085.00	2,40,18,24,518.71
Summary of Gross Block reconciliation (2022-23)					

Sr.No.	Particular	ST-I&II	ST-III	KATWA	TOTAL GB 31.03.2023
2	Closing Gross Block as per Audited Balance Sheet	20,47,65,00,670.83	23,96,34,91,099.61	1,49,26,18,154.62	45,93,26,09,925.06
1	Opening Gross Block as per Audited Balance Sheet of 2022-23	19,25,94,59,739.59	23,59,18,35,804.54	1,49,26,18,154.62	44,34,39,13,698.75
3	Addition During the Year (2-1)	1,21,70,40,931.24	37,16,55,295.07	-	1,58,86,96,226.31
4	Ind-AS Adjustment	-36,52,81,587.61	14,03,67,916.89	0.00	-22,49,13,670.72
5	Addition During the Year (3+4) (IGAAP)	85,17,59,343.63	51,20,23,211.96	-	1,36,37,82,555.59
Summary of Gross Block reconciliation (2023-24)					
Sr.No.	**Particular**	**ST-I&II**	**ST-III**	**KATWA**	**TOTAL GB 31.03.2024**
2	Closing Gross Block as per Audited Balance Sheet	22,59,28,59,083.41	24,49,86,04,937.76	1,49,60,52,770.62	48,58,75,16,791.79
1	Opening Gross Block as per Audited Balance Sheet of 2023-24	20,47,65,00,670.83	23,96,34,91,099.61	1,49,26,18,154.62	45,93,26,09,925.06
3	Addition During the Year (2-1)	2,11,63,46,846.38	53,51,25,404.35	34,34,616.00	2,65,49,06,866.73
4	Ind-AS Adjustment	-40,29,98,232.18	-9,42,33,318.49	0.00	-49,72,31,550.67
5	Addition During the Year (3+4) (IGAAP)	1,71,33,48,614.20	44,08,92,085.86	34,34,616.00	2,15,76,75,316.06

PART-I
FORM- 9A
Additional Form

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	**NTPC Limited**
Name of the Generating Station	**Farakka Super Thermal power Station Stage-I&II**
COD	**01-07-1996**
For Financial Year	**2019-24 (Summary)**

Amount in Rs Lakh

Sl. No.	Head of Work /Equipment	ACE Claimed (Actual)					Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		2019-20	**2020-21**	**2021-22**	**2022-23**	**2023-24**			
1	**2**	**3**	**4**	**5**	**6**	**7**		**8**	**9**
A1.	**Works under Original scope eligble for RoE at Normal Rate**								
	Allowed Works								
1	**Ash Dyke raising & Related Works**	658.82	482.71	637.19	2.63	2.09	25(1) (g)	As per Form-9 of respective years	8552.43
2	**Up gradation of DDCMIS ST-II**	31.91	41.61		90.93		25(2)(d)		6801.4
3	**Real time data transmission for CEMS,EQMS**		0.26				25 (2) (b)		221.12
4	**Two lane Bridge**					6,713.65	25(1) (f) with Reg 76		5700
5	**Retrofitting work of energy chain system in place of CRD (Cable Reeling Drum) for Paddle Feeder-1 & 2 of Track Hopper -Part of Mills**					69.74	25(1) © with 76.		
6	**MBOA (Other Office Equipment)**				0.42	198.73	25(2)(a).		
	Total (A)	**690.73**	**524.58**	**637.19**	**93.99**	**6,984.21**			
A2.	**Works beyond Original scope under Change in Law etc. eligble for RoE at Normal Rate**								
1	**LED LIGHTS**	253.02					26(1)(b)	As per Form-9 of respective years	N.A
2	**BIO-METHANATION UNIT IN PLANT**			3.29					
3	**BIO-METHANATION PLANT IN TOWNSHIP**			1.14					
4	**AGC Implementation**				28.89	1.42			
5	**DIESEL LOCOMOTIVE 3100HP (2 no.s)**					2.80			
6	**Up-gradation of St-1 Merrick Coal feeders -18 nos. SCR Based DC drive system to State of Art AC drive with VFD speed controller -Part of Mills**					219.00			
7	**Modification Of ESP**		3,347.92	12,439.62	7,378.64	166.70			
	Total (B)	**253.02**	**3,347.92**	**12,444.05**	**7,407.52**	**389.92**	-		
C.	**Decapitalization**								
1	**Decapitalization of spares-Part of tariff**	**96.80**	**282.06**	**2,569.92**				As per Form-9 of respective years	
2	**Decap Of MBOA**				**177.74**				
	Total (C)	**96.80**	**282.06**	**2,569.92**	**177.74**	-			
D.	**Discharge of liabilities of allowed/Claimed items**								
1	Discharge of liabilities of allowed/Claimed items	**171.97**	**671.13**	**571.76**	**1,286.44**	**633.46**		As per Form-9 of respective years	
Total Add. Cap. Claimed (A+B)		**1,018.91**	**4,261.57**	**11,083.08**	**8,610.21**	**8,007.59**			

(Petitioner)

PART-I

FORM- 9A

Statement of Additional Capitalisation during fag end of useful life of the Project

Name of the Petitioner	**NTPC Ltd.**
Name of the Generating Station	**Farakka STPS- I & II (1600 MW)**
COD	**01.07.1996**
For Financial Year	**2019-20**

(Rs Lakhs)

Sl.No.	Work/ Equipment added during last five years of useful life of Station	ACE Claimed (Actual)							Regulation under which claimed	Justification	Admitted cost by the Commission, if any
		Party Name	Accrual Basis	IND-AS Adj	Accrual basis as per IGAPP	Un-discharged Liability included in Col. 3	Cash Basis	IDC included in Col 3			
(1)	(2)		(3)	3A	3B=3=3A	(4)	(5)=3B-4	(6)	(7)	(8)	(9)
Additional Capitalisation											
A.1	**Already claimed in Petition**										
1	5TH RAISING OF NISHINDRA ASH DYKE Related Works	BUDHRAJA MINING & CONSTRUCTION LTD & Others	830.65	0.00	830.65	171.83	658.82	0.00	25(1) (g)	As the 4th Raising capacity at Nishindra was exhaused, in order to sustain the generation of stage-II units,feasibility study of 5th Raising of Nishindra ash dyke was carried out in consultation with IIT Delhi and Geotech investigation was also done, as per recommendations before 5th raising of dyke. AThis work has been already been allowed by this Hon'ble Commission its order in 429/GT/2020 dated 11.01.24 under regulation 25(1)(g). The expenditure incurred is within the limits allowed by this Hon'ble Commission.	8552.43
4	Up gradation of DDCMIS ST-II	BHARAT HEAVY ELECTRICALS LTD	31.91	0.00	31.91	0.00	31.91	0.00	25(2)(d)	This work is allowed by the Hon'ble Commission in consideration of the necessity of the expenditure incurred for safe operation of the plant, under Regulation 14(3)(iii) of Tariff Regulations 2014 as additional capital expenditure by invoking its power to relax under Regulation 54.An amount of Rs 6552.99 lakhs were approved by this H'onble Commission on cash basis till 2019 and Rs 6801.40 on accrual basis for this work. The total cost incurred for this work till 19-20 is within the limits allowed by this Hon'ble Commission.This payment pertains to final contract closing settlements released to vendor after completion of contract closing protocols. The total cost incurred till FY'22-23 is within the limits as approved by the Commission in its order in petition 698/GT/2020 dated 17.04.23. The Contract Closing Certificate is attached as **Annexure H**.	6801.40
	Sub Total of already claimed in petition		**862.56**	**0.00**	**862.56**	**171.83**	**690.73**	**0.00**			
A.2	**New Item claimed**										
1	LED BASED STREET LIGHT		253.02	0.00	253.02	0.00	253.02	0.00	26(1)(b)	Hon'ble Prime Minister of India on 05.01.2015 launched National LED Programme with an objective to reduce energy consumption by using energy efficient lighting. In line with the objective, Unnat Jyoti by Affordable LEDs for All (UJALA) and Street Lighting National Programme was implemented by EESL. NTPC was mandated through MoP, GoI letter dated 04.08.2017 to replace all conventional lightings with LED based lightings in all NTPC buildings including compound /street lighting occupied by NTPC (copy of the letter dated 04.08.2017 is enclosed as **Annex-I**). It is submitted that any direction of Government of India is required to be implemented by the Petitioner in letter and spirit and has the force of Law. Further, replacement of energy intensive conventional lightings with energy efficient LED based lightings was carried out in accordance with Energy Conservation Act, 2001 which provides as under: "Section 14. Power of Central Government to enforce efficient use of energy and its conservation. — The Central Government may, by notification, in consultation with the Bureau,— (a) specify the norms for processes and energy consumption standards for any equipment, appliance which consumes, generates, transmits or supplies energy; ..... (r) direct every owner or occupier of the building or building complex, being a designated consumer to comply with the provisions of energy conservation building codes for efficient use of energy and its conservation; " .. In order to comply with the directions of Govt. of India vide its letter dated 02.08.2017, and as per provisions of Energy Conservation Act, 2001, NTPC took the work of replacing the conventional energy inefficient lightings with energy efficient LED lighting in the premises of the station compound/ building owned and operated by NTPC in phased manner. Some of the major benefits of LED fittings are as under: (a) Reduction of auxiliary consumption and benefits to beneficiaries in terms of sharing of ECR gain. (b) Ex-bus energy available to the beneficiaries would increase. (c) Helps in meeting grid requirement during peak demand. (d) Reduces CO2 emission & helps GoI in achieving the target of NET ZERO by 2070. Accordingly, it is humbly submitted that Hon'ble Commission may be pleased to allow the said capitalization under Regulation 26 (1) (b) of Tariff Regulations, 2019. **Further Hon'ble SC in it's judgement dated 20.04.23 declared "94. Perusal of the definition of the term "Law" itself would clearly show that the term "Law" would mean all laws including In view of the same, Electricity Laws in force in India and any statute, ordinance, regulation, Notification or code, rule, or any interpretation of any of them by an Indian Governmental Instrumentality and having force of law. It would further reveal that the term "Law" shall also include all applicable rules, regulations, orders, Notifications by an Indian Governmental Instrumentality and shall also include all rules, regulations, decisions and orders of the CERC and the MERC." SC order has been attached as Annexure J.**	
	Sub Total New item claimed in petition		**253.02**	**0.00**	**253.02**	**0.00**	**253.02**	**0.00**			
	Total additional capatilization of asset		**1115.57**	**0.00**	**1115.57**	**171.83**	**943.74**	**0.00**			
4	**Decapitalization of spares-Part of tariff**		**-3.67**	**-93.13**	**-96.80**	**0.00**	**-96.80**			These spares were part of capital cost. Therefore, to be removed from capital cost after de-capitalization.	
5	**Discharge of liabilities of allowed/Claimed items**						**171.97**			Details in Form -S i.e.liability flow statement	
Total Add cap claimed on cash basis and liability discharge			**1111.90**	**-93.13**	**1018.77**	**171.83**	**1018.91**	**0.00**			

PART-I

Statement of Additional Capitalisation during fag end of useful life of the Project

FORM- 9A

Name of the Petitioner	**NTPC Ltd.**
Name of the Generating Station	**Farakka STPS- I & II (1600 MW)**
COD	**01.07.1996**
For Fnancial Year	**2020-21**

(Rs Lakhs)

Sl.No.	Work/ Equipment added during last five years of useful life of Station	ACE Claimed (Actual)							Regulation under which claimed	Justification	Admitted cost by the Commission, if any
		Party Name	Accrual Basis	IND-AS Adj	Accrual basis as per IGAPP	Un-discharged Liability included in Col. 3	Cash Basis	IDC included in Col 3			
(1)	(2)		(3)	3A	3B=3=3A	(4)	(5)=3B-4	(6)	(7)	(8)	(9)
Additional Capitalisation											
A.1	**Already claimed in Petition**										
1	5TH RAISING OF NISHINDRA ASH DYKE	BUDHRAJA MINING & CONSTRUCTION LTD	503.16	0.00	503.16	22.68	480.49	0.00	25(1) (g)		8552.43
	4TH RAISING OF NISHINDRA ASH DYKE	KNIL PVT. LTD.	2.22	0.00	2.22	0.00	2.22	0.00		As mentioned in FY'19-20	
2	Modification of ESP ST-I (Unit-I)	K C Cottrell	3971.93	0.00	3971.93	624.01	3347.92	702.58	26 (1) (b)	**As per APTEL order dated 28.08.23 in Appeal 159 (filed challenging the Order of the CERC in Petition No. 316/GT/2014 dated 10.03.2017) of 2017 Hon'ble Commission is requested to allow the same under change in law. APTEL Order attached as Annexure P.**	NA
3	Upgradation of DDCMIS ST-II	BHARAT HEAVY ELECTRICALS LTD	41.61	0.00	41.61	0.00	41.61	0.00	25(2)(d)	As mentioned in FY'19-20	
4	Real time data transmission for CEMS,EQMS	LOGICLADDER TECHNOLOGIES PVT LTD	0.26	0.00	0.26	0.00	0.26	0.00	25 (2) (b)	**Allowed in order in 698/GT/2020 dated 17.04.23 (2014-19 True up petition).**As the additional capital expenditure incurred is for compliance to the orders of CPCB dated 5.2.2014 and the Environment (Protection) Amendment Rules, 2015 (MoEFCC Notification) dated 7.12.2015, the claim was allowed by the Commission under Regulation 14(3)(ii) of the 2014 Tariff Regulations.These are the adjustment/reconciliation of final bills etc after the contracts closing of the work.	221.12
	Total additional capatilization of asset		**4519.18**	**0.00**	**4519.18**	**646.68**	**3872.50**	**702.58**			
4	**Decapitalization of spares-Part of tariff**		**-15.57**	**-266.49**	**-282.06**	**0.00**	**-282.06**	**0.00**		These spares were part of capital cost. Therefore, to be removed from capital cost after de-capitalization.	
5	**Discharge of liabilities of allowed/Claimed items**						**671.13**			Details in Form -S i.e.liability flow statement	
Total Add cap claimed on cash basis and liability discharge			**4503.61**	**-266.49**	**4237.13**	**646.68**	**4261.57**	**702.58**			

PART-I

FORM- 9A

Statement of Additional Capitalisation during fag end of useful life of the Project

Name of the Petitioner	**NTPC Ltd.**
Name of the Generating Station	**Farakka STPS- I & II (1600 MW)**
COD	**01.07.1996**
For Financial Year	**2021-22**

(Rs Lakhs)

Sl.No.	Work/ Equipment added during last five years of useful life of Station	ACE Claimed (Actual)							Regulation under which claimed	Justification	Admitted cost by the Commission, if any
		Party Name	Accrual Basis	IND-AS Adj	Accrual basis as per IGAPP	Un-discharged Liability included in Col. 3	Cash Basis	IDC included in Col 3			
(1)	(2)		(3)	3A	3B=3=3A	(4)	(5)=3B-4	(6)	(7)	(8)	(9)
Additional Capitalisation											
A	**Already claimed in Petition**										
1	Ash Dyke Raising Related Works	BUDHRAJA MINING & CONSTRUCTION LTD	58.62	0.00	58.62	43.06	15.57	0.00	25(1) (g)	As mentioned in FY'19-20	8552.43
		NIT Rourkela	53.77	0.00	53.77	0.00	53.77	0.00			
		K N INTERNATIONAL LTD	11.19	0.00	11.19	0.00	11.19	0.00			
		LOTUS CONSTRUCTION COMPANY	590.28	0.00	590.28	33.62	556.66	0.00			
2	Modification of ESP ST-I & II (U-III, Unit-IV)	KC COTTRELL CO LTD, HAMON RESEARCH-COTTRELL INDIA PVT	13562.68	0.00	13562.68	1123.06	12439.62	2507.16	26(1)(b)	As mentioned in FY'20-21	N.A
3	Decapitalization Of ESP		-174.41	-1569.72	-1744.14	0.00	-1744.14	0.00		Appeal 159 of 2017 was filed against the Hon'ble Commission's order in Petition No. 316/GT/2014 dated 10.03.2017 (FSTPS-I&II Main Petition for 2014-19) against disallowance of the work of Renovation of Electrostatic Precipitator (ESP) along with other items by this Hon'ble Commission on grounds of station getting Special Allowance. Subsequently APTEL in it's order dated 28.08.23 in the matter has directed the Hon'ble Commission's to look into the claims afresh. Since the order in 698/GT/2020 was given by this Hon'ble Commission's on 17.04.23, APTEL's order could not be incorporated in 698/GT/2020 (FSTPS-I&II true up petition 14-19). As such the petitioner is considering the decap of ESP on account of renovation along side add cap due to Modification of ESP for capitalization purpose. Also the petitioner is kindly requesting this Hon'ble Commission to incorporate the impact of APTEL order dated 28.08.23 in it's order dated 17.04.23 in 698/GT/2020.	
	Total Add Cap (A.1)		**14102.13**	**-1569.72**	**12532.41**	**1199.74**	**11332.67**	**2507.16**			
A.2	**New Items**										
1	BIO-METHANATION UNIT IN PLANT		3.29	0.00	3.29	0.00	3.29	0.00	26(1)(b)	As per clause (7) of para 4 of MoEF Notification No.1357(E) "Duties of waste generator", it is said "All gated communities and institutions with more than 5,000 sqm area shall, within one year from the date of notification of these rules and in partnership with the local body, ensure segregation of waste at source by the generators as prescribed in these rules, facilitate collection of segregated waste in separate streams, handover recyclable material to either the authorised waste pickers or the authorized recyclers. The bio-degradable waste shall be processed, treated and disposed off through composting or bio-methanation within the premises as far as possible. The residual waste shall be given to the waste collectors or agency as directed by the local body". In line with MOEF notification the said work is executed and claimed under change in Law. This bio methanation plants are of less than 20 TPD capacity claim is justified as per MoEF Notification on "Duties of waste generator". The above notification is attached as **Annexure K**. **Also, as per recent SC judgement dated 20.04.2023 in GMR Warora Energy Limited v CERC & Others (GMR Warora Judgement) SC has given the verdict that government directives are to be treated as 'Change In Law' events.**	
2	BIO-METHANATION PLANT IN TOWNSHIP		2.31	0.00	2.31	1.16	1.14	0.00			
	Total Add Cap New Items (A.2)		**5.60**	**0.00**	**5.60**	**1.16**	**4.43**	**0.00**			
	Total additional capatilization of asset (A.1+A.2)		**14107.73**	**-1569.72**	**12538.01**	**1200.91**	**11337.10**	**2507.16**			
4	**Decapitalization of spares-Part of tariff**		**-208.58**	**-617.19**	**-825.78**	**0.00**	**-825.78**	**0.00**		These spares were part of capital cost. Therefore, to be removed from capital cost after de-capitalization.	
5	**Discharge of liabilities of allowed/Claimed items**						**571.76**			Details in Form -S i.e.liability flow statement	
Total Add cap claimed on cash basis and liability discharge			**13899.14**	**-2186.92**	**11712.23**	**1200.91**	**11083.08**	**2507.16**			

PART-I

Statement of Additional Capitalisation during fag end of useful life of the Project

FORM- 9A

Name of the Petitioner	**NTPC Ltd.**
Name of the Generating Station	**Farakka STPS- I & II (1600 MW)**
COD	**01.07.1996**
For Financial Year	**2022-23**

(Rs Lakhs)

Sl.No.	Work/ Equipment added during last five years of useful life of Station	ACE Claimed (Actual)							Regulation under which claimed	Justification	Admitted cost by the Commission, if any
		Party Name	Accrual Basis	IND-AS Adj	Accrual basis as per IGAPP	Un-discharged Liability included in Col. 3	Cash Basis	IDC included in Col 3			
(1)	(2)		(3)	3A	3B=3=3A	(4)	(5)=3B-4	(6)	(7)	(8)	(9)
Additional Capitalisation											
A	**Already claimed in Petition**										
1	Ash Dyke Raising	BUDHRAJA MINING & CONSTRUCTION LTD	0.52	0.00	0.52	0.00	0.52	0.00	25(1) (g)	**As mentioned in FY'19-20**	8552.43
2		LOTUS CONSTRUCTION COMPANY	2.11	0.00	2.11	0.00	2.11	0.00			
3	Up gradation of DDCMIS ST-II	BHEL	92.78	0.00	92.78	1.85	90.93	0.00	25(2)(d)		6801.40
4	Modification of ESP Stg-I & II (U-III,V)	KC COTTRELL CO LTD,HAMON RESEARCH-COTTRELL INDIA PVT	8019.44	0.00	8019.44	640.81	7378.64	488.33	26 (1)(b)	**As mentioned in FY'20-21**	
	Total Add Cap (A.1)		**8114.86**	**0.00**	**8114.86**	**642.66**	**7472.20**	**488.33**			
A2	**New Items**										
1	AGC Implementation work		31.89	0.00	31.89	3.00	28.89	0.00	26(1)(b)	Hon'ble Commission vide its order dated 28.08.2019 in petition no.319/RC/2018 directed all ISGS station to implement the AGC as per observation given below: "34. In the interest of reliable and safe grid operation, the Commission directs that all the ISGS stations whose tariff is determined or adopted by CERC shall be AGC-enabled and the ancillary services including secondary control through AGC be implemented as per the following direction: i. All thermal ISGS stations with installed capacity of 200 MW and above and all hydro stations having capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by CERC are directed to install equipment at the unit control rooms for transferring the required data for AGC as per the requirement to be notified by NLDC. NLDC shall notify the said requirements within one month of this order. ……." Copy of order dated 28.08.2019 is attached as **Annexure-L.** Accordingly, in compliance of direction of Hon'ble Commission, implementation of AGC was carried out at the instant station. Further, Hon'ble Commission has allowed additional capital expenditure incurred on implementation of AGC in Petition No-396/GT/2020 vide its order dated 27.09.2022. Therefore, it is humbly requested that Hon'ble Commission may be pleased to allow the same at the instant station under Regulation 26 (1) (b) of Tariff Regulations 2019.	
A3											
1	MBOA (Other Office Equipment)		0.42	0.00	0.42	0.00	0.42	0.00	25(2)(a).	These MBOAs were capitalised due to replacement of assets which were deployed under original scope. The old assets outlived their useful life and were fully depreciated. Hon'ble Commission may be pleased to allow the capitalisation of these MBOAs as per Reguation 25 (2) (a) of Tariff Regulation, 2019 as replacement of these MBOAs were necessitated since the useful life of these assets were not commensurate with the useful life of the Station.	
	Total additional capatilization of asset (A.1+A.2+A.3)		**8147.17**	**0.00**	**8147.17**	**645.66**	**7501.51**	**488.33**			
2	Decap Of MBOA		-4.80	-172.94	-177.74	0.00	-177.74	**0.00**		These MBOA items were procured within cut off date, therefore they are to be removed from capital cost after decap.	
4	**Discharge of liabilities of allowed/Claimed items**						**1286.44**			Details in Form -S i.e.liability flow statement	
Total Add cap claimed on cash basis and liability discharge			**8142.37**	**-172.94**	**7969.43**	**645.66**	**8610.21**	**488.33**			

PART-I

Statement of Additional Capitalisation during fag end of useful life of the Project

FORM- 9A

Name of the Petitioner	**NTPC Ltd.**
Name of the Generating Station	**Farakka STPS- I & II (1600 MW)**
COD	**01.07.1996**
For Financial Year	**2023-24**

(Rs Lakhs)

SLNo.	Work/ Equipment added during last five years of useful life of Station	ACE Claimed (Actual)							Regulation under which claimed	Justification	Admitted cost by the Commission, if any
		Party Name	Accrual Basis	IND-AS Adj	Accrual basis as per IGAPP	Un-discharged Liability included in Col. 3	Cash Basis	IDC included in Col 3			
(1)	(2)		(3)	3A	3B=3=3A	(4)	(5)=3B-4	(6)	(7)	(8)	(9)
Additional Capitalisation											
A	**Already claimed in Petition**										
1	ASH DYKE RAISING	BUDHRAJA MINING & CONSTRUCTION LTD	1.72	0.00	1.72	0.00	1.72	0.00	25(1) (g)	As mentioned in FY'19-20	8552.43
2		LOTUS CONSTRUCTION COMPANY	0.37	0.00	0.37	0.00	0.37	0.00			
3	Two lane Bridge	ROYAL INFRACONSTRU LTD	6713.65	0.00	6713.65	0.00	6713.65	796.48	25(1) (f) with Reg 76	This Hon'ble Commission has allowed this expenditure in 280/GT/2014 (Approval of tariff of Farakka Super Thermal Power Station, Stage-III (1x500 MW) for the period from 1.4.2014 to 31.3.2019) under Regulation 14 (3)(viii) with Reg 54, but apportioned it between two commercial stages of FSTPS, with the direction to consider the expenditure apportioned to FSTPS-I&II from Special Allowance. However as per APTEL order dated 01.12.22 in Appeal 178 of 2017, APTEL has directed the Commission to re-consider the apportionment to FSTPS-I&II under the head of special allowance, and consider it afresh under terms of Reg(14) & (16) of Tariff Regulations 2014. It is the humble submission of the petitioner that there the bridge height was increased as per RITES recommendations based on new norms of **Ministry of Road Transport & Highways, Government of India (letter attached as Annexure A)** which had a cost Implication of Rs. 7.75 Crs. The petitioner was carrying the work as per schedule however during launching, bridge truss T3 failed before reaching pier P2 and bridge launching had to be stopped on 14.08.2017 and revision of the design/drawing was done, and retrofitting work of the bridge was continued again but as covid pandemic struck in March'2020 all construction works came to a standstill. The supply of Raw Material as well as working strength was not available during the period from Mar'2020 to Aug'21. Thereafter construction work restarted from Sep'21 and the bridge was finally commissioned on 15th Aug 2023. It is the humble request of the petitioner to condone the delay in the completion of this project and the associated cost over-run, as this was beyond the reasonable control of the petitioner and pertains to a Change in Law and 'Force Majeure' event.	5700
4	Modification of ESP ST-I & II (Unit-III)	K C Cotrell	166.70	0.00	166.70	0.00	166.70	0.00	26 (1)(b)	**As mentioned in FY'20-21**	N.A
	Total Add Cap (A.1)		6882.44	0.00	6882.44	0.00	6882.44	796.48			
A2	**New Items**										
1	AGC Implementation work	ABB India Limited	1.42	0.00	1.42	0.00	1.42	0.00	26(1)(b)	As mentioned in FY'22-23.	
2	DIESEL LOCOMOTIVE 3100HP (2 no.s)	BANARAS LOCOMOTIVE WORKS	2231.82	0.00	2231.82	2229.02	2.80	0.00	25(2)(c).	Existing WDM2 locomotives at FSTPS are of less HP, old, out-dated,inefficient and consumes more natural resources and are incapable of hauling loaded coal rakes. 5 Nos WDM2 Locos at FSTPS are completing their codal life of 31 years. As per **Railway circular dated 14.08.2019 (enclosed as Annexure M)** such obsolete locos are to be removed from service. Hence New Locos are needed for replacement of obsolete WDM2 locos for continuing MGR operations at FSTPS. Also replacement of obsolete locos is essential in order to ensure scheduled maintenance of MGR rakes which in turn results in increased reliability and availability of station. Additionally, as per recent SC judgement dated 20.04.2023 in GMR Warora Energy Limited v CERC & Others (GMR Warora Judgement) SC has given the verdict that government directives are to be treated as 'Change In Law' events.	
4	Up-gradation of St-1 Merrick Coal feeders -18 nos. SCR Based DC drive system to State of Art AC drive with VFD speed controller -Part of Mills	MERRICK INDUSTRIES PVT LTD	261.34	0.00	261.34	42.34	219.00	7.62	26(1)(b)	The Existing Thyristor based system 35 years old and and slow in response causing problem in meeting AGC schedule, which requires quick response. AGC is a regulatory directive which has to be complied by the petitioner(Copy of order dated 28.08.2019 is attached as **Annexure-L**). Therefore it was decided to replace with VFD based AC Drive which will help in meeting AGC response as feeder speed varies every time with respect to load change.	
5	Retrofitting work of energy chain system in place of CRD (Cable Reeling Drum) for Paddle Feeder-1 & 2 of Track Hopper -Part of Mills	IGUS INDIA PVT LTD	76.11	0.00	76.11	6.37	69.74	0.00	25(1) © with 76.	Paddle Feeders of Track Hopper Stage #1 are used to unload the track hopper bunkers. Stage#1 Track Hopper consist of Paddle Feeders 1 & 2. Paddle Feeder 1&2 run on a single track (back & forth). Presently power supply is being fed to these machines through cable reeling drum (CRD). However at present OEM/OES support is not available for the CRD system of Plough Feeders-1,2 and the technology has also become obsolete. Therefore petitioner has replaced this obsolete PCRD system with high performance Energy chain system.With replacement of the existing obsolete CRD system in Trailing Cable of Plough Feeders-1,2 with Energy Chain system both the availability and the performance of paddle feeders will increase, which will subsequently lead to smooth functioning of the coal feeding mechanism.Spares consumption and maintenance cost will also reduce substancially. The obsolescence certificate is attached as **Annexure N**.It is prayed that Hon'ble Commission may please allow the work in view of obsolescence of technology under Power To Relax.	
	Total Add Cap (A.2)		**2570.69**	**0.00**	**2570.69**	**2277.73**	**292.96**	**7.62**			
	Total Add Cap (A1+A2)		**9453.12**	**0.00**	**9453.12**	**2277.73**	**7175.40**	**804.10**			
A3	**MBOA**		**198.73**	**0.00**	**198.73**	**0.00**	**198.73**	**0.00**	25(2)(a).	MBOAs: part of capital cost have been decapitalised as shown below at S.No.4. These are the miscellaneous assets which have been bought and capitalised to replace such assets whose life is not commensurate with the useful life of the plant and have been decapitalised. Further, to replace such assets of minor nature, Regulation 25(2)(a) has been provided in lieu of Compensation Allowance. Therefore, capitalisation of theses MBOA assets of minor nature may please be allowed accordingly under Reg. 25(2)(a).	
A5	**Discharge of liabilities of allowed/Claimed items**						**56.26**			Details in Form -S i.e.liability flow statement	
Total Add cap claimed on cash basis and liability discharge			**9651.85**	**0.00**	**9651.85**	**2277.73**	**7430.39**	**804.10**			

PART-I
FORM- 10

Name of the Petitioner	**NTPC Limited**
Name of the Generating Station	**Farakka Super Thermal power Station Stage-I&II**
Date of Commercial Operation	**01-07-1996**

Amount in Rs Lakh

Financial Year (Starting from COD)1	Actual					Admitted				
	2019-20	**2020-21**	**2021-22**	**2022-23**	**2023-24**	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**
1		3	4	5	6	7	8	9	10	11
Amount capitalised in Work/ Equipment										
Financing Details	**Add cap is proposed to be finance in Debt:Equity ratio of 70:30**									
Loan-1										
Loan-2										
Loan-3 and so on										
Total Loan2										
Equity Internal Resources										
Others (Pl. specify)										
Total										

(Petitioner)

PART-I
FORM- 12

Statement of Depreciation

Name of the Company :	**NTPC Limited**
Name of the Power Station :	**Farakka Super Thermal power Station Stage-I&II**

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1	Opening Capital Cost	319469.05	3,21,424.25	3,22,443.16	3,26,704.73	3,37,787.81	3,46,398.02
2	Closing Capital Cost	321424.26	3,22,443.16	3,26,704.73	3,37,787.81	3,46,398.02	3,54,405.61
3	Average Capital Cost	320446.66	3,21,933.71	3,24,573.95	3,32,246.27	3,42,092.91	3,50,401.81
1a	Cost of IT Equipments & Software included in (1) above		6.83	6.83	9.39	9.19	11.75
2a	Cost of IT Equipments & Software included in (2) above		6.83	9.39	9.19	11.75	13.51
3a	Average Cost of IT Equipments & Software		6.83	8.11	9.29	10.47	12.63
4	Freehold land	802.35	802.35	802.35	802.35	802.35	802.35
5	Rate of depreciation	-	-	-	-	-	-
6	Depreciable value	2,87,679.88	2,89,018.90	2,91,395.25	2,98,300.46	3,07,162.56	3,14,640.78
7.	Balance useful life at the beginning of the period	0.43	-	-	-	-	-
8	Remaining depreciable value	4,513.68	6,386.45	2,462.24	7,159.06	11,174.91	8,409.15
9	Depreciation (for the period)	4,513.68	6,386.45	2,462.24	7,159.06	11,174.91	8,409.15
10	Depreciation (annualised)	4,513.68	**6,386.45**	**2,462.24**	**7,159.06**	**11,174.91**	**8,409.15**
11	Cumulative depreciation at the end of the period	2,87,679.88	2,89,018.90	2,91,395.25	2,98,300.46	3,07,162.56	3,14,640.78
12	Less: Cumulative depreciation adjustment on account of un-discharged liabilities deducted as on 01.04.2009		1.23	-	-	-770.96	-
13	Add: Cumulative depreciation adjustment on account of liability Discharge	8.02	-	-	-	-	-
14	Less: Cumulative depreciation adjustment on account of de-capitalisation	5,055.44	87.12	253.85	2,312.81	159.97	-
15	Net Cumulative depreciation at the end of the period after adjustments	2,82,632.45	2,88,933.01	2,91,141.40	2,95,987.65	3,06,231.63	3,14,640.78
	unrecovered depreciation for the instant station which were submitted in petition no. 316 /GT/2014 and being recovered as per APTEL Order dated 13-06-2007 (Appeal no. 139 of 2006) after completion of useful life of station		**6835.38**				

(Petitioner)

Calculation of Interest on Actual Loans							
Name of the Company							
Name of the Power Station							
Sl. no.	**Particulars**	**Existing 2003-04**	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**
1	**KFW - D2**						
	Gross loan - Opening						
	Cumulative repayments of Loans upto previous year						
	Net loan - Opening		0.00	0.00	0.00	0.00	0.00
	Addition						
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		0.00	0.00	0.00	0.00	0.00
	Average Net Loan		0.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan		1.7250%	1.7250%	1.7250%	1.7250%	1.7250%
	Interest on loan		0.00	0.00	0.00	0.00	0.00
2	**KFW -D4**						
	Gross loan - Opening						
	Cumulative repayments of Loans upto previous year						
	Net loan - Opening		0.00	0.00	0.00	0.00	0.00
	Addition						
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		0.00	0.00	0.00	0.00	0.00
	Average Net Loan		0.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan		1.7250%	1.7250%	1.7250%	1.7250%	1.7250%
	Interest on loan		0.00	0.00	0.00	0.00	0.00
3	**KFW - D5**						
	Gross loan - Opening						
	Cumulative repayments of Loans upto previous year						
	Net loan - Opening		0.00	0.00	0.00	0.00	0.00
	Addition						
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		0.00	0.00	0.00	0.00	0.00
	Average Net Loan		0.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan		1.7250%	1.7250%	1.7250%	1.7250%	1.7250%
	Interest on loan		0.00	0.00	0.00	0.00	0.00
4	**KFW - D8**						
	Gross loan - Opening						
	Cumulative repayments of Loans upto previous year						
	Net loan - Opening		0.00	0.00	0.00	0.00	0.00
	Addition						
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		0.00	0.00	0.00	0.00	0.00
	Average Net Loan		0.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan		1.7250%	1.7250%	1.7250%	1.7250%	1.7250%
	Interest on loan		0.00	0.00	0.00	0.00	0.00

5	**KFW - D9**						
	Gross loan - Opening						
	Cumulative repayments of Loans upto previous year						
	Net loan - Opening		0.00	0.00	0.00	0.00	0.00
	Addition						
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		0.00	0.00	0.00	0.00	0.00
	Average Net Loan		0.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan		1.7250%	1.7250%	1.7250%	1.7250%	1.7250%
	Interest on loan		0.00	0.00	0.00	0.00	0.00
6	**KfW ESP VIII**						
	Gross loan - Opening		938.95	938.95	938.95	938.95	938.95
	Cumulative repayments of Loans upto previous year		117.37	352.11	469.47	586.84	704.21
	Net loan - Opening		821.58	586.84	469.47	352.11	234.74
	Addition						
	Repayments of Loans during the year		234.74	117.37	117.37	117.37	117.37
	Net loan - Closing		586.84	469.47	352.11	234.74	117.37
	Average Net Loan		704.21	528.16	410.79	293.42	176.05
	Rate of Interest on Loan		3.1900%	3.1900%	3.1900%	3.1900%	3.1900%
	Interest on loan		22.46	16.85	13.10	9.36	5.62
7	**KfW ESP IX**						
	Gross loan - Opening		882.22	882.22	882.22	882.22	882.22
	Cumulative repayments of Loans upto previous year		110.28	330.83	441.11	551.39	661.67
	Net loan - Opening		771.95	551.39	441.11	330.83	220.56
	Addition						
	Repayments of Loans during the year		220.56	110.28	110.28	110.28	110.28
	Net loan - Closing		551.39	441.11	330.83	220.56	110.28
	Average Net Loan		661.67	496.25	385.97	275.70	165.42
	Rate of Interest on Loan		3.1900%	3.1900%	3.1900%	3.1900%	3.1900%
	Interest on loan		21.11	15.83	12.31	8.79	5.28
8	**KfW ESP X**						
	Gross loan - Opening		529.70	529.70	529.70	529.70	529.70
	Cumulative repayments of Loans upto previous year		66.21	198.64	264.85	331.06	397.27
	Net loan - Opening		463.49	331.06	264.85	198.64	132.42
	Addition						
	Repayments of Loans during the year		132.42	66.21	66.21	66.21	66.21
	Net loan - Closing		331.06	264.85	198.64	132.42	66.21
	Average Net Loan		397.27	297.96	231.74	165.53	99.32
	Rate of Interest on Loan		3.1900%	3.1900%	3.1900%	3.1900%	3.1900%
	Interest on loan		12.67	9.50	7.39	5.28	3.17
9	**KfW ESP XI**						
	Gross loan - Opening		509.38	509.38	509.38	509.38	509.38
	Cumulative repayments of Loans upto previous year		63.67	191.02	254.69	318.36	382.04
	Net loan - Opening		445.71	318.36	254.69	191.02	127.35

	Addition						
	Repayments of Loans during the year		127.35	63.67	63.67	63.67	63.67
	Net loan - Closing		318.36	254.69	191.02	127.35	63.67
	Average Net Loan		382.04	286.53	222.85	159.18	95.51
	Rate of Interest on Loan		3.1900%	3.1900%	3.1900%	3.1900%	3.1900%
	Interest on loan		12.19	9.14	7.11	5.08	3.05
10	**KfW ESP XII**						
	Gross loan - Opening		204.32	204.32	204.32	204.32	204.32
	Cumulative repayments of Loans upto previous year		25.54	76.62	102.16	127.70	153.24
	Net loan - Opening		178.78	127.70	102.16	76.62	51.08
	Addition						
	Repayments of Loans during the year		51.08	25.54	25.54	25.54	25.54
	Net loan - Closing		127.70	102.16	76.62	51.08	25.54
	Average Net Loan		153.24	114.93	89.39	63.85	38.31
	Rate of Interest on Loan		3.1900%	3.1900%	3.1900%	3.1900%	3.1900%
	Interest on loan		4.89	3.67	2.85	2.04	1.22
11	**KfW ESP XIII**						
	Gross loan - Opening		419.19	419.19	419.19	419.19	419.19
	Cumulative repayments of Loans upto previous year		52.40	157.20	209.59	261.99	314.39
	Net loan - Opening		366.79	261.99	209.59	157.20	104.80
	Addition						
	Repayments of Loans during the year		104.80	52.40	52.40	52.40	52.40
	Net loan - Closing		261.99	209.59	157.20	104.80	52.40
	Average Net Loan		314.39	235.79	183.40	131.00	78.60
	Rate of Interest on Loan		3.1900%	3.1900%	3.1900%	3.1900%	3.1900%
	Interest on loan		10.03	7.52	5.85	4.18	2.51
12	**KfW ESP XIV**						
	Gross loan - Opening		290.55	290.55	290.55	290.55	290.55
	Cumulative repayments of Loans upto previous year		36.32	108.96	145.28	181.60	217.92
	Net loan - Opening		254.23	181.60	145.28	108.96	72.64
	Addition						
	Repayments of Loans during the year		72.64	36.32	36.32	36.32	36.32
	Net loan - Closing		181.60	145.28	108.96	72.64	36.32
	Average Net Loan		217.92	163.44	127.12	90.80	54.48
	Rate of Interest on Loan		3.1900%	3.1900%	3.1900%	3.1900%	3.1900%
	Interest on loan		6.95	5.21	4.06	2.90	1.74
13	**KfW ESP XV**						
	Gross loan - Opening		122.00	122.00	122.00	122.00	122.00
	Cumulative repayments of Loans upto previous year		15.25	45.75	61.00	76.25	91.50
	Net loan - Opening		106.75	76.25	61.00	45.75	30.50
	Addition						
	Repayments of Loans during the year		30.50	15.25	15.25	15.25	15.25
	Net loan - Closing		76.25	61.00	45.75	30.50	15.25
	Average Net Loan		91.50	68.62	53.37	38.12	22.87
	Rate of Interest on Loan		3.1900%	3.1900%	3.1900%	3.1900%	3.1900%
	Interest on loan		2.92	2.19	1.70	1.22	0.73

14	**KfW ESP XVI**						
	Gross loan - Opening		43.00	43.00	43.00	43.00	43.00
	Cumulative repayments of Loans upto previous year		5.37	16.12	21.50	26.87	32.25
	Net loan - Opening		37.62	26.87	21.50	16.12	10.75
	Addition						
	Repayments of Loans during the year		10.75	5.37	5.37	5.37	5.37
	Net loan - Closing		26.87	21.50	16.12	10.75	5.37
	Average Net Loan		32.25	24.19	18.81	13.44	8.06
	Rate of Interest on Loan		3.1900%	3.1900%	3.1900%	3.1900%	3.1900%
	Interest on loan		1.03	0.77	0.60	0.43	0.26
15	**Bond Series XIII B**						
	Gross loan - Opening	214.73					
	Cumulative repayments of Loans upto previous year	0.00					
	Net loan - Opening	214.73	0.00	0.00	0.00	0.00	0.00
	Addition						
	Repayments of Loans during the year	0.00	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	214.73	0.00	0.00	0.00	0.00	0.00
	Average Net Loan	214.73	0.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan	9.55%	9.5800%	9.5800%	9.5800%	9.5800%	9.5800%
	Interest on loan	20.51	0.00	0.00	0.00	0.00	0.00
16	**Bond Series 54**						
	Gross loan - Opening	0.00	2000.00	2000.00	2000.00	2000.00	2000.00
	Cumulative repayments of Loans upto previous year	0.00					400.00
	Net loan - Opening	0.00	2000.00	2000.00	2000.00	2000.00	1600.00
	Addition						
	Repayments of Loans during the year	0.00	0.00	0.00	0.00	400.00	800.00
	Net loan - Closing	0.00	2000.00	2000.00	2000.00	1600.00	800.00
	Average Net Loan	0.00	2000.00	2000.00	2000.00	1800.00	1200.00
	Rate of Interest on Loan	9.55%	8.5200%	8.5200%	8.5200%	8.5200%	8.5200%
	Interest on loan	20.51	170.40	170.40	170.40	153.36	102.24
	Bond Series 69						
	Gross loan - Opening	0.00	0.00	1000.00	1000.00	1000.00	1000.00
	Cumulative repayments of Loans upto previous year	0.00					
	Net loan - Opening	0.00	0.00	1000.00	1000.00	1000.00	1000.00
	Addition		1000.00				
	Repayments of Loans during the year	0.00	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	0.00	1000.00	1000.00	1000.00	1000.00	1000.00
	Average Net Loan	0.00	500.00	1000.00	1000.00	1000.00	1000.00
	Rate of Interest on Loan	9.55%	7.3500%	7.3500%	7.3500%	7.3500%	7.3500%
	Interest on loan	20.51	36.75	73.50	73.50	73.50	73.50
	Bond Series 73						
	Gross loan - Opening	0.00	0.00	0.00	1700.00	1700.00	1700.00
	Cumulative repayments of Loans upto previous year	0.00					
	Net loan - Opening	0.00	0.00	0.00	1700.00	1700.00	1700.00
	Addition			1700.00			
	Repayments of Loans during the year	0.00	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	0.00	0.00	1700.00	1700.00	1700.00	1700.00
	Average Net Loan	0.00	0.00	850.00	1700.00	1700.00	1700.00

	Rate of Interest on Loan	9.55%	6.4600%	6.4600%	6.4600%	6.4600%	6.4600%
	Interest on loan	20.51	0.00	54.91	109.82	109.82	109.82
	Bond Series 74						
	Gross loan - Opening	0.00	0.00	0.00	0.00	1600.00	1600.00
	Cumulative repayments of Loans upto previous year	0.00					
	Net loan - Opening	0.00	0.00	0.00	0.00	1600.00	1600.00
	Addition			0.00	1600.00		
	Repayments of Loans during the year	0.00	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	0.00	0.00	0.00	1600.00	1600.00	1600.00
	Average Net Loan	0.00	0.00	0.00	800.00	1600.00	1600.00
	Rate of Interest on Loan	9.55%	6.9000%	6.9000%	6.9000%	6.9000%	6.9000%
	Interest on loan	20.51	0.00	0.00	55.20	110.40	110.40
	Bond Series 75						
	Gross loan - Opening	0.00	0.00	0.00	0.00	1550.00	1550.00
	Cumulative repayments of Loans upto previous year	0.00					
	Net loan - Opening	0.00	0.00	0.00	0.00	1550.00	1550.00
	Addition				1550.00		
	Repayments of Loans during the year	0.00	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	0.00	0.00	0.00	1550.00	1550.00	1550.00
	Average Net Loan	0.00	0.00	0.00	775.00	1550.00	1550.00
	Rate of Interest on Loan	9.55%	6.7200%	6.7200%	6.7200%	6.7200%	6.7200%
	Interest on loan	20.51	0.00	0.00	52.08	104.16	104.16
7	**LIC - III T2 D3**						
	Gross loan - Opening	214.73					
	Cumulative repayments of Loans upto previous year	0.00					
	Net loan - Opening	214.73	0.00	0.00	0.00	0.00	0.00
	Addition						
	Repayments of Loans during the year	0.00	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	214.73	0.00	0.00	0.00	0.00	0.00
	Average Net Loan	214.73	0.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan	9.55%	8.5388%	8.5388%	8.5388%	8.5388%	8.5388%
	Interest on loan	20.51	0.00	0.00	0.00	0.00	0.00
8	**LIC - III T2 D6**						
	Gross loan - Opening						
	Cumulative repayments of Loans upto previous year						
	Net loan - Opening		0.00	0.00	0.00	0.00	0.00
	Addition						
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		0.00	0.00	0.00	0.00	0.00
	Average Net Loan		0.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan		8.7439%	8.7439%	8.7439%	8.7439%	8.7439%
	Interest on loan		0.00	0.00	0.00	0.00	0.00
9	**HDFC Bank Ltd. V**						
	Gross loan - Opening		6100.00	6100.00	6100.00	6100.00	6100.00
	Cumulative repayments of Loans upto previous year						
	Net loan - Opening		6100.00	6100.00	6100.00	6100.00	6100.00
	Addition		0.00	0.00	0.00	0.00	0.00

	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		6100.00	6100.00	6100.00	6100.00	6100.00
	Average Net Loan		6100.00	6100.00	6100.00	6100.00	6100.00
	Rate of Interest on Loan		8.0586%	6.3982%	5.9500%	7.2335%	7.9600%
	Interest on loan		491.58	390.29	362.95	441.24	485.56

10	**SBI-XI**						
	Gross loan - Opening		1000.00	1000.00	1000.00	1000.00	1000.00
	Cumulative repayments of Loans upto previous year						111.11
	Net loan - Opening		1000.00	1000.00	1000.00	1000.00	888.89
	Addition		0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year		0.00	0.00	0.00	111.11	111.11
	Net loan - Closing		1000.00	1000.00	1000.00	888.89	777.78
	Average Net Loan		1000.00	1000.00	1000.00	944.45	833.34
	Rate of Interest on Loan		8.0332%	6.8034%	6.6500%	7.1626%	8.1320%
	Interest on loan		80.33	68.03	66.50	67.65	67.77
11	**SBI-VIII**						
	Gross loan - Opening		2500.00	2500.00	2500.00	2500.00	2500.00
	Cumulative repayments of Loans upto previous year					277.77	555.55
	Net loan - Opening		2500.00	2500.00	2500.00	2222.23	1944.45
	Addition						
	Repayments of Loans during the year		0.00	0.00	277.77	277.77	277.77
	Net loan - Closing		2500.00	2500.00	2222.23	1944.45	1666.68
	Average Net Loan		2500.00	2500.00	2361.11	2083.34	1805.56
	Rate of Interest on Loan		7.9342%	6.8560%	6.6500%	7.2108%	8.1262%
	Interest on loan		198.35	171.40	157.01	150.23	146.72
12	**SBI-IX**						
	Gross loan - Opening		5000.00	5000.00	5000.00	5000.00	5000.00
	Cumulative repayments of Loans upto previous year				555.55	1111.10	1666.65
	Net loan - Opening		5000.00	5000.00	4444.45	3888.90	3333.35
	Addition		0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year		0.00	555.55	555.55	555.55	555.55
	Net loan - Closing		5000.00	4444.45	3888.90	3333.35	2777.80
	Average Net Loan		5000.00	4722.23	4166.68	3611.13	3055.58
	Rate of Interest on Loan		7.9342%	6.8560%	6.6500%	7.2108%	8.1262%
	Interest on loan		396.71	323.76	277.08	260.39	248.30
13	**Punjab National Bank-III**						
	Gross loan - Opening		8000.00	8000.00	8000.00	8000.00	8000.00
	Cumulative repayments of Loans upto previous year					888.89	1777.78
	Net loan - Opening		8000.00	8000.00	8000.00	7111.11	6222.22
	Addition		0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year		0.00	0.00	888.89	888.89	888.89
	Net loan - Closing		8000.00	8000.00	7111.11	6222.22	5333.33
	Average Net Loan		8000.00	8000.00	7555.56	6666.67	5777.78
	Rate of Interest on Loan		8.0102%	6.8567%	5.9896%	7.1475%	7.9000%
	Interest on loan		640.82	548.54	452.55	476.50	456.44
14	**HDFC Bank Limited-VII-Drawl 2**						
	Gross loan - Opening		0.00	1000.00	1000.00	1000.00	1000.00
	Cumulative repayments of Loans upto previous year					0.00	0.00
	Net loan - Opening		0.00	1000.00	1000.00	1000.00	1000.00
	Addition		1000.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		1000.00	1000.00	1000.00	1000.00	1000.00
	Average Net Loan		500.00	1000.00	1000.00	1000.00	1000.00

	Rate of Interest on Loan		7.9367%	6.3982%	5.9500%	7.2335%	7.9600%
	Interest on loan		39.68	63.98	59.50	72.33	79.60
15	**HDFC Bank Limited-VII-Drawl 3**						
	Gross loan - Opening		0.00	3000.00	3000.00	3000.00	3000.00
	Cumulative repayments of Loans upto previous year					0.00	0.00
	Net loan - Opening		0.00	3000.00	3000.00	3000.00	3000.00
	Addition		3000.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		3000.00	3000.00	3000.00	3000.00	3000.00
	Average Net Loan		1500.00	3000.00	3000.00	3000.00	3000.00
	Rate of Interest on Loan		7.5505%	6.3982%	5.9500%	7.2335%	7.9600%
	Interest on loan		113.26	191.95	178.50	217.00	238.80
16	**AXIS Bank-II**						
	Gross loan - Opening		0.00	0.00	2600.00	2600.00	2600.00
	Cumulative repayments of Loans upto previous year					0.00	2600.00
	Net loan - Opening		0.00	0.00	2600.00	2600.00	0.00
	Addition		0.00	2600.00	0.00	0.00	0.00
	Repayments of Loans during the year		0.00	0.00	0.00	2600.00	0.00
	Net loan - Closing		0.00	2600.00	2600.00	0.00	0.00
	Average Net Loan		0.00	1300.00	2600.00	1300.00	0.00
	Rate of Interest on Loan		0.0000%	6.3913%	6.3000%	7.4186%	0.0000%
	Interest on loan		0.00	83.09	163.80	96.44	0.00
17	**HDFC Bank Limited-IX - Drawl 8**						
	Gross loan - Opening		0.00	0.00	1200.00	1200.00	1200.00
	Cumulative repayments of Loans upto previous year					0.00	0.00
	Net loan - Opening		0.00	0.00	1200.00	1200.00	1200.00
	Addition		0.00	1200.00	0.00	0.00	0.00
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		0.00	1200.00	1200.00	1200.00	1200.00
	Average Net Loan		0.00	600.00	1200.00	1200.00	1200.00
	Rate of Interest on Loan		0.0000%	6.0440%	5.9500%	7.2335%	7.9600%
	Interest on loan		0.00	36.26	71.40	86.80	95.52
18	**HDFC Bank Limited-IX - Drawl 10**						
	Gross loan - Opening		0.00	0.00	250.00	250.00	250.00
	Cumulative repayments of Loans upto previous year					0.00	0.00
	Net loan - Opening		0.00	0.00	250.00	250.00	250.00
	Addition		0.00	250.00	0.00	0.00	0.00
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		0.00	250.00	250.00	250.00	250.00
	Average Net Loan		0.00	125.00	250.00	250.00	250.00
	Rate of Interest on Loan		0.0000%	5.9500%	5.9500%	7.2335%	7.9600%
	Interest on loan		0.00	7.44	14.88	18.08	19.90
19	**HDFC Bank Limited-X - Drawl 2**						
	Gross loan - Opening		0.00	0.00	0.00	1000.00	1000.00
	Cumulative repayments of Loans upto previous year					0.00	0.00
	Net loan - Opening		0.00	0.00	0.00	1000.00	1000.00
	Addition		0.00	0.00	1000.00	0.00	0.00
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		0.00	0.00	1000.00	1000.00	1000.00
	Average Net Loan		0.00	0.00	500.00	1000.00	1000.00
	Rate of Interest on Loan		0.0000%	0.0000%	5.8300%	6.9282%	7.9600%
	Interest on loan		0.00	0.00	29.15	69.28	79.60
20	**HDFC Bank Limited-X - Drawl 4**						

	Gross loan - Opening		0.00	0.00	0.00	0.00	2000.00
	Cumulative repayments of Loans upto previous year					0.00	0.00
	Net loan - Opening		0.00	0.00	0.00	0.00	2000.00
	Addition		0.00	0.00	0.00	2000.00	0.00
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		0.00	0.00	0.00	2000.00	2000.00
	Average Net Loan		0.00	0.00	0.00	1000.00	2000.00
	Rate of Interest on Loan		0.0000%	0.0000%	0.0000%	7.0671%	7.9600%
	Interest on loan		0.00	0.00	0.00	70.67	159.20
21	**IndusInd Bank**						
	Gross loan - Opening		0.00	0.00	0.00	0.00	700.00
	Cumulative repayments of Loans upto previous year					0.00	0.00
	Net loan - Opening		0.00	0.00	0.00	0.00	700.00
	Addition		0.00	0.00	0.00	700.00	0.00
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		0.00	0.00	0.00	700.00	700.00
	Average Net Loan		0.00	0.00	0.00	350.00	700.00
	Rate of Interest on Loan		0.0000%	0.0000%	0.0000%	7.5365%	8.0664%
	Interest on loan		0.00	0.00	0.00	26.38	56.46
	Bank Of India-IV (Refinancing of Axis Bank II loan)						
	Gross loan - Opening		0.00	0.00	0.00	0.00	2600.00
	Cumulative repayments of Loans upto previous year					0.00	0.00
	Net loan - Opening		0.00	0.00	0.00	0.00	2600.00
	Addition		0.00	0.00	0.00	2600.00	0.00
	Repayments of Loans during the year		0.00	0.00	0.00	0.00	0.00
	Net loan - Closing		0.00	0.00	0.00	2600.00	2600.00
	Average Net Loan		0.00	0.00	0.00	1300.00	2600.00
	Rate of Interest on Loan		0.0000%	0.0000%	0.0000%	8.2250%	8.0750%
	Interest on loan		0.00	0.00	0.00	106.93	209.95
	TOTAL LOAN						
	Gross loan - Opening		28539.32	33539.32	39289.32	43439.32	48739.32
	Cumulative repayments of Loans upto previous year		492.41	1477.24	2525.21	4739.84	10065.57
	Net loan - Opening		28046.90	32062.07	36764.11	38699.48	38673.74
	Addition		5000.00	5750.00	4150.00	5300.00	0.00
	Repayments of Loans during the year		984.83	1047.96	2214.63	5325.74	3125.74
	Net loan - Closing		32062.07	36764.11	38699.48	38673.74	35548.01
	Average Net Loan		30054.49	34413.09	37731.79	38686.61	37110.87
	Rate of Interest on Loan		7.5268%	6.5505%	6.2263%	7.1095%	7.7269%
	Interest on loan		2262.13	2254.23	2349.30	2750.44	2867.52
Note:-		Note:-					
1)	LIC III Rate of interest includes upfront fees of 0.0158% (i.e. 0.20%*1.103%/14years).	1)					
		2)					
			Petitioner	**Petitioner**	**Petitioner**	**Petitioner**	**Petitioner**

Weighted Average Rate computation workings													
BP No.	BANK	RATE OF INTEREST	From	To	Remarks	No of days	Fin Year	Product	2019-20	2020-21	2021-22	2022-23	2023-24
5050000561	HDFC Bank Limited-V	8.450%	01-Apr-19	24-06-2019		85.00	2019-20	7.1825					
5050000561	HDFC Bank Limited-V	8.400%	25-Jun-19	28-07-2019		34.00	2019-20	2.856					
5050000561	HDFC Bank Limited-V	8.300%	29-Jul-19	28-08-2019		31.00	2019-20	2.573					
5050000561	HDFC Bank Limited-V	8.200%	29-Aug-19	28-09-2019		31.00	2019-20	2.542					
5050000561	HDFC Bank Limited-V	8.100%	29-Sep-19	28-10-2019		30.00	2019-20	2.43					
5050000561	HDFC Bank Limited-V	8.000%	29-Oct-19	30-11-2019		33.00	2019-20	2.64					
5050000561	HDFC Bank Limited-V	7.650%	01-Dec-19	29-02-2020		91.00	2019-20	6.9615					
5050000561	HDFC Bank Limited-V	7.450%	01-Mar-20	31-Mar-20		31.00	2019-20	2.3095					
5050000561	HDFC Bank Limited-V	7.450%	01-Apr-20	31-May-20		61.00	2020-21	4.5445					
5050000561	HDFC Bank Limited-V	6.300%	01-Jun-20	23-Dec-20		206.00	2020-21	12.978					
5050000561	HDFC Bank Limited-V	5.950%	24-Dec-20	31-Mar-21		98.00	2020-21	5.831					
5050000561	HDFC Bank Limited-V	5.95%	01-04-2021	31-03-2022		365.00	2021-22	21.7175					
5050000561	HDFC Bank Limited-V	5.95%	01-04-2022	23-05-2022		53.00	2022-23	3.1535					
5050000561	HDFC Bank Limited-V	6.35%	24-05-2022	23-06-2022		31.00	2022-23	1.9685					
5050000561	HDFC Bank Limited-V	6.85%	24-06-2022	23-08-2022		61.00	2022-23	4.1785					
5050000561	HDFC Bank Limited-V	7.35%	24-08-2022	23-10-2022		61.00	2022-23	4.4835					
5050000561	HDFC Bank Limited-V	7.85%	24-10-2022	23-12-2022		61.00	2022-23	4.7885					
5050000561	HDFC Bank Limited-V	8.20%	24-12-2022	31-12-2022		8.00	2022-23	0.656					
5050000561	HDFC Bank Limited-V	7.95%	01-01-2023	28-02-2023		59.00	2022-23	4.6905					
5050000561	HDFC Bank Limited-V	8.01%	01-03-2023	31-03-2023		31.00	2022-23	2.4831					
5050000561	HDFC Bank Limited-V	8.01%	01-Apr-23	31-May-23		61.00	2023-24	4.8861					
5050000561	HDFC Bank Limited-V	7.95%	01-Jun-23	31-Mar-24		305.00	2023-24	24.2475	8.059%	6.398%	5.950%	7.233%	7.960%
5050000661	State Bank of India - XI	8.3500%	01-Apr-19	10-04-2019		10.00	2019-20	0.835					
5050000661	State Bank of India - XI	8.3000%	11-Apr-19	10-07-2019		91.00	2019-20	7.553					
5050000661	State Bank of India - XI	8.2000%	11-Jul-19	10-10-2019		92.00	2019-20	7.544					
5050000661	State Bank of India - XI	7.8500%	11-Oct-19	10-01-2020		92.00	2019-20	7.222					
5050000661	State Bank of India - XI	7.7500%	11-Jan-20	31-01-2020		21.00	2019-20	1.6275					
5050000661	State Bank of India - XI	7.7000%	01-Feb-20	31-Mar-20		60.00	2019-20	4.62					
5050000661	State Bank of India - XI	7.700%	01-Apr-20	10-Apr-20		10.00	2020-21	0.77					
5050000661	State Bank of India - XI	7.150%	11-Apr-20	10-Jul-20		91.00	2020-21	6.5065					
5050000661	State Bank of India - XI	6.650%	11-Jul-20	31-Mar-21		264.00	2020-21	17.556					
5050000661	State Bank of India - XI	6.65%	01-04-2021	31-03-2022		365.00	2021-22	24.2725					
5050000661	State Bank of India - XI	6.65%	01-04-2022	10-07-2022		101.00	2022-23	6.7165					
5050000661	State Bank of India - XI	7.05%	11-07-2022	30-09-2022		82.00	2022-23	5.781					
5050000661	State Bank of India - XI	7.05%	01-10-2022	10-10-2022		10.00	2022-23	0.705					
5050000661	State Bank of India - XI	7.35%	11-10-2022	13-02-2023		126.00	2022-23	9.261					
5050000661	State Bank of India - XI	8.00%	14-02-2023	31-03-2023		46.00	2022-23	3.68					
5050000661	State Bank of India - XI	8.00%	01-Apr-23	10-Apr-23		10.00	2023-24	0.8					
5050000661	State Bank of India - XI	8.10%	11-Apr-23	10-Oct-23		183.00	2023-24	14.823					
5050000661	State Bank of India - XI	8.15%	11-Oct-23	10-Jan-24		92.00	2023-24	7.498					
5050000661	State Bank of India - XI	8.20%	11-Jan-24	31-Mar-24		81.00	2023-24	6.642	8.033%	6.803%	6.650%	7.163%	8.132%
5050000442	State Bank of India - VIII	8.2500%	01-Apr-19	13-05-2019		43.00	2019-20	3.5475					
5050000442	State Bank of India - VIII	8.1500%	14-May-19	13-08-2019		92.00	2019-20	7.498					
5050000442	State Bank of India - VIII	7.9500%	14-Aug-19	13-11-2019		92.00	2019-20	7.314					
5050000442	State Bank of India - VIII	7.7000%	14-Nov-19	13-02-2020		92.00	2019-20	7.084					
5050000442	State Bank of India - VIII	7.6500%	14-Feb-20	31-Mar-20		47.00	2019-20	3.5955					
5050000442	State Bank of India - VIII	7.650%	01-Apr-20	13-May-20		43.00	2020-21	3.2895					
5050000442	State Bank of India - VIII	7.000%	14-May-20	13-Aug-20		92.00	2020-21	6.44					
5050000442	State Bank of India - VIII	6.650%	14-Aug-20	31-Mar-21		230.00	2020-21	15.295					
5050000442	State Bank of India - VIII	6.65%	01-04-2021	31-03-2022		365.00	2021-22	24.2725					
5050000442	State Bank of India - VIII	6.65%	01-04-2022	13-05-2022		43.00	2022-23	2.8595					
5050000442	State Bank of India - VIII	6.75%	14-05-2022	13-08-2022		92.00	2022-23	6.21					
5050000442	State Bank of India - VIII	7.15%	14-08-2022	13-11-2022		92.00	2022-23	6.578					
5050000442	State Bank of India - VIII	7.60%	14-11-2022	13-02-2023		92.00	2022-23	6.992					
5050000442	State Bank of India - VIII	8.00%	14-02-2023	31-03-2023		46.00	2022-23	3.68					
5050000442	State Bank of India - VIII	8.00%	01-Apr-23	13-May-23		43.00	2023-24	3.44					
5050000442	State Bank of India - VIII	8.10%	14-May-23	13-Aug-23		92.00	2023-24	7.452					
5050000442	State Bank of India - VIII	8.15%	14-Aug-23	13-Feb-24		184.00	2023-24	14.996					

5050000442	State Bank of India - VIII	8.20%	14-Feb-24	31-Mar-24		47.00	2023-24	3.854	7.934%	6.856%	6.650%	7.211%	8.126%
5050000531	State Bank of India - IX	8.2500%	01-Apr-19	13-05-2019		43.00	2019-20	3.5475					
5050000531	State Bank of India - IX	8.1500%	14-May-19	13-08-2019		92.00	2019-20	7.498					
5050000531	State Bank of India - IX	7.9500%	14-Aug-19	13-11-2019		92.00	2019-20	7.314					
5050000531	State Bank of India - IX	7.7000%	14-Nov-19	13-02-2020		92.00	2019-20	7.084					
5050000531	State Bank of India - IX	7.6500%	14-Feb-20	31-Mar-20		47.00	2019-20	3.5955					
5050000531	State Bank of India - IX	7.650%	01-Apr-20	13-May-20		43.00	2020-21	3.2895					
5050000531	State Bank of India - IX	7.000%	14-May-20	13-Aug-20		92.00	2020-21	6.44					
5050000531	State Bank of India - IX	6.650%	14-Aug-20	31-Mar-21		230.00	2020-21	15.295					
5050000531	State Bank of India - IX	6.65%	01-04-2021	31-03-2022		365.00	2021-22	24.2725					
5050000531	State Bank of India - IX	6.65%	01-04-2022	13-05-2022		43.00	2022-23	2.8595					
5050000531	State Bank of India - IX	6.75%	14-05-2022	13-08-2022		92.00	2022-23	6.21					
5050000531	State Bank of India - IX	7.15%	14-08-2022	13-11-2022		92.00	2022-23	6.578					
5050000531	State Bank of India - IX	7.60%	14-11-2022	13-02-2023		92.00	2022-23	6.992					
5050000531	State Bank of India - IX	8.00%	14-02-2023	31-03-2023		46.00	2022-23	3.68					
5050000531	State Bank of India - IX	8.00%	01-Apr-23	13-May-23		43.00	2023-24	3.44					
5050000531	State Bank of India - IX	8.10%	14-May-23	13-Aug-23		92.00	2023-24	7.452					
5050000531	State Bank of India - IX	8.15%	14-Aug-23	13-Feb-24		184.00	2023-24	14.996					
5050000531	State Bank of India - IX	8.20%	14-Feb-24	31-Mar-24		47.00	2023-24	3.854	7.934%	6.856%	6.650%	7.211%	8.126%
5050000571	Punjab National Bank III	8.3000%	01-Apr-19	03-05-2019		33.00	2019-20	2.739					
5050000571	Punjab National Bank III	8.2000%	04-May-19	03-08-2019		92.00	2019-20	7.544					
5050000571	Punjab National Bank III	8.0500%	04-Aug-19	30-09-2019		58.00	2019-20	4.669					
5050000571	Punjab National Bank III	8.0500%	01-Oct-19	03-11-2019		34.00	2019-20	2.737					
5050000571	Punjab National Bank III	7.9000%	04-Nov-19	03-02-2020		92.00	2019-20	7.268					
5050000571	Punjab National Bank III	7.6500%	04-Feb-20	31-03-2020		57.00	2019-20	4.3605					
5050000571	Punjab National Bank III	7.650%	01-Apr-20	03-May-20		33.00	2020-21	2.5245					
5050000571	Punjab National Bank III	7.200%	04-May-20	03-Jun-20		31.00	2020-21	2.232					
5050000571	Punjab National Bank III	7.050%	04-Jun-20	03-Aug-20		61.00	2020-21	4.3005					
5050000571	Punjab National Bank III	6.800%	04-Aug-20	03-Nov-20		92.00	2020-21	6.256					
5050000571	Punjab National Bank III	6.700%	04-Nov-20	20-Dec-20		47.00	2020-21	3.149					
5050000571	Punjab National Bank III	6.500%	21-Dec-20	31-Mar-21		101.00	2020-21	6.565					
5050000571	Punjab National Bank III	6.20%	01-04-2021	20-09-2021		173.00	2021-22	10.726					
5050000571	Punjab National Bank III	5.80%	21-09-2021	31-03-2022		192.00	2021-22	11.136					
5050000571	Punjab National Bank III	5.80%	01-04-2022	20-06-2022		81.00	2022-23	4.698					
5050000571	Punjab National Bank III	6.70%	21-06-2022	31-08-2022		72.00	2022-23	4.824					
5050000571	Punjab National Bank III	7.20%	01-09-2022	30-09-2022		30.00	2022-23	2.16					
5050000571	Punjab National Bank III	7.70%	01-10-2022	31-12-2022		92.00	2022-23	7.084					
5050000571	Punjab National Bank III	8.05%	01-01-2023	28-02-2023		59.00	2022-23	4.7495					
5050000571	Punjab National Bank III	8.30%	01-03-2023	31-03-2023		31.00	2022-23	2.573					
5050000571	Punjab National Bank III	7.90%	01-Apr-23	31-Mar-24		366.00	2023-24	28.914	8.010%	6.857%	5.990%	7.148%	7.900%
5050000791	HDFC Bank Limited-VII-D1	8.4000%	21-Jun-19	28-07-2019		38.00	2019-20	3.192					
5050000791	HDFC Bank Limited-VII-D1	8.3000%	29-Jul-19	28-08-2019		31.00	2019-20	2.573					
5050000791	HDFC Bank Limited-VII-D1	8.2000%	29-Aug-19	28-09-2019		31.00	2019-20	2.542					
5050000791	HDFC Bank Limited-VII-D1	8.1000%	29-Sep-19	28-10-2019		30.00	2019-20	2.43					
5050000791	HDFC Bank Limited-VII-D1	8.0000%	29-Oct-19	30-11-2019		33.00	2019-20	2.64					
5050000791	HDFC Bank Limited-VII-D1	7.6500%	01-Dec-19	10-02-2020		72.00	2019-20	5.508					
5050000791	HDFC Bank Limited-VII-D1	7.5000%	11-Feb-20	29-02-2020		19.00	2019-20	1.425					
5050000791	HDFC Bank Limited-VII-D1	7.4500%	01-Mar-20	31-03-2020		31.00	2019-20	2.3095					
5050000791	HDFC Bank Limited-VII-D1	7.450%	01-Apr-20	31-May-20		61.00	2020-21	4.5445					
5050000791	HDFC Bank Limited-VII-D1	6.300%	01-Jun-20	23-Dec-20		206.00	2020-21	12.978					
5050000791	HDFC Bank Limited-VII-D1	5.950%	24-Dec-20	31-Mar-21		98.00	2020-21	5.831					
5050000791	HDFC Bank Limited-VII-D1	5.95%	01-04-2021	31-03-2022		365.00	2021-22	21.7175					
5050000791	HDFC Bank Limited-VII-D1	5.95%	01-04-2022	23-05-2022		53.00	2022-23	3.1535					
5050000791	HDFC Bank Limited-VII-D1	6.35%	24-05-2022	23-06-2022		31.00	2022-23	1.9685					
5050000791	HDFC Bank Limited-VII-D1	6.85%	24-06-2022	23-08-2022		61.00	2022-23	4.1785					
5050000791	HDFC Bank Limited-VII-D1	7.35%	24-08-2022	23-10-2022		61.00	2022-23	4.4835					
5050000791	HDFC Bank Limited-VII-D1	7.85%	24-10-2022	23-12-2022		61.00	2022-23	4.7885					
5050000791	HDFC Bank Limited-VII-D1	8.20%	24-12-2022	31-12-2022		8.00	2022-23	0.656					
5050000791	HDFC Bank Limited-VII-D1	7.95%	01-01-2023	28-02-2023		59.00	2022-23	4.6905					
5050000791	HDFC Bank Limited-VII-D1	8.01%	01-03-2023	31-03-2023		31.00	2022-23	2.4831					
5050000791	HDFC Bank Limited-VII-D1	8.01%	01-Apr-23	31-May-23		61.00	2023-24	4.8861					
5050000791	HDFC Bank Limited-VII-D1	7.95%	01-Jun-23	31-Mar-24		305.00	2023-24	24.2475	7.937%	6.398%	5.950%	7.233%	7.960%

5050000791	HDFC Bank Limited-VII-D2	7.6500%	01-Jan-20	10-02-2020		41.00	2019-20	3.1365					
5050000791	HDFC Bank Limited-VII-D2	7.5000%	11-Feb-20	29-02-2020		19.00	2019-20	1.425					
5050000791	HDFC Bank Limited-VII-D2	7.4500%	01-Mar-20	31-03-2020		31.00	2019-20	2.3095					
5050000791	HDFC Bank Limited-VII-D2	7.450%	01-Apr-20	31-May-20		61.00	2020-21	4.5445					
5050000791	HDFC Bank Limited-VII-D2	6.300%	01-Jun-20	23-Dec-20		206.00	2020-21	12.978					
5050000791	HDFC Bank Limited-VII-D2	5.950%	24-Dec-20	31-Mar-21		98.00	2020-21	5.831					
5050000791	HDFC Bank Limited-VII-D2	5.95%	01-04-2021	31-03-2022		365.00	2021-22	21.7175					
5050000791	HDFC Bank Limited-VII-D2	5.95%	01-04-2022	23-05-2022		53.00	2022-23	3.1535					
5050000791	HDFC Bank Limited-VII-D2	6.35%	24-05-2022	23-06-2022		31.00	2022-23	1.9685					
5050000791	HDFC Bank Limited-VII-D2	6.85%	24-06-2022	23-08-2022		61.00	2022-23	4.1785					
5050000791	HDFC Bank Limited-VII-D2	7.35%	24-08-2022	23-10-2022		61.00	2022-23	4.4835					
5050000791	HDFC Bank Limited-VII-D2	7.85%	24-10-2022	23-12-2022		61.00	2022-23	4.7885					
5050000791	HDFC Bank Limited-VII-D2	8.20%	24-12-2022	31-12-2022		8.00	2022-23	0.656					
5050000791	HDFC Bank Limited-VII-D2	7.95%	01-01-2023	28-02-2023		59.00	2022-23	4.6905					
5050000791	HDFC Bank Limited-VII-D2	8.01%	01-03-2023	31-03-2023		31.00	2022-23	2.4831					
5050000791	HDFC Bank Limited-VII-D2	8.01%	01-Apr-23	31-May-23		61.00	2023-24	4.8861					
5050000791	HDFC Bank Limited-VII-D2	7.95%	01-Jun-23	31-Mar-24		305.00	2023-24	24.2475	7.551%	6.398%	5.950%	7.233%	7.960%
5050000762	AXIS Bank-II	7.450%	08-Apr-20	25-Apr-20		18.00	2020-21	1.341					
5050000762	AXIS Bank-II	6.700%	26-Apr-20	25-May-20		30.00	2020-21	2.01					
5050000762	AXIS Bank-II	6.300%	26-May-20	31-Mar-21		310.00	2020-21	19.53					
5050000762	AXIS Bank-II	6.30%	01-04-2021	31-03-2022		365.00	2021-22	22.995					
5050000762	AXIS Bank-II	6.30%	01-Apr-22	27-May-22		57.00	2022-23	3.591					
5050000762	AXIS Bank-II	6.70%	28-May-22	27-Jun-22		31.00	2022-23	2.077					
5050000762	AXIS Bank-II	7.20%	28-Jun-22	27-Aug-22		61.00	2022-23	4.392					
5050000762	AXIS Bank-II	7.70%	28-Aug-22	27-Oct-22		61.00	2022-23	4.697					
5050000762	AXIS Bank-II	8.20%	28-Oct-22	31-Oct-22		4.00	2022-23	0.328					
5050000762	AXIS Bank-II	7.70%	01-Nov-22	31-Dec-22		61.00	2022-23	4.697					
5050000762	AXIS Bank-II	8.05%	01-Jan-23	28-Feb-23		59.00	2022-23	4.7495					
5050000762	AXIS Bank-II	8.30%	01-Mar-23	28-Mar-23		28.00	2022-23	2.324	#DIV/0!	6.391%	6.300%	7.419%	#DIV/0!
5050000981	HDFC Bank Limited-IX-D1	6.300%	18-Nov-20	23-Dec-20		36.00	2020-21	2.268					
5050000981	HDFC Bank Limited-IX-D1	5.950%	24-Dec-20	31-Mar-21		98.00	2020-21	5.831					
5050000981	HDFC Bank Limited-IX-D1	5.95%	01-04-2021	31-03-2022		365.00	2021-22	21.7175					
5050000981	HDFC Bank Limited-IX-D1	5.95%	01-04-2022	23-05-2022		53.00	2022-23	3.1535					
5050000981	HDFC Bank Limited-IX-D1	6.35%	24-05-2022	23-06-2022		31.00	2022-23	1.9685					
5050000981	HDFC Bank Limited-IX-D1	6.85%	24-06-2022	23-08-2022		61.00	2022-23	4.1785					
5050000981	HDFC Bank Limited-IX-D1	7.35%	24-08-2022	23-10-2022		61.00	2022-23	4.4835					
5050000981	HDFC Bank Limited-IX-D1	7.85%	24-10-2022	23-12-2022		61.00	2022-23	4.7885					
5050000981	HDFC Bank Limited-IX-D1	8.20%	24-12-2022	31-12-2022		8.00	2022-23	0.656					
5050000981	HDFC Bank Limited-IX-D1	7.95%	01-01-2023	28-02-2023		59.00	2022-23	4.6905					
5050000981	HDFC Bank Limited-IX-D1	8.01%	01-03-2023	31-03-2023		31.00	2022-23	2.4831					
5050000981	HDFC Bank Limited-IX-D1	8.01%	01-Apr-23	31-May-23		61.00	2023-24	4.8861					
5050000981	HDFC Bank Limited-IX-D1	7.95%	01-Jun-23	31-Mar-24		305.00	2023-24	24.2475	#DIV/0!	6.044%	5.950%	7.233%	7.960%
5050000981	HDFC Bank Limited-IX-D2	5.950%	24-Dec-20	31-Mar-21		98.00	2020-21	5.831					
5050000981	HDFC Bank Limited-IX-D2	5.95%	01-04-2021	31-03-2022		365.00	2021-22	21.7175					
5050000981	HDFC Bank Limited-IX-D2	5.95%	01-04-2022	23-05-2022		53.00	2022-23	3.1535					
5050000981	HDFC Bank Limited-IX-D2	6.35%	24-05-2022	23-06-2022		31.00	2022-23	1.9685					
5050000981	HDFC Bank Limited-IX-D2	6.85%	24-06-2022	23-08-2022		61.00	2022-23	4.1785					
5050000981	HDFC Bank Limited-IX-D2	7.35%	24-08-2022	23-10-2022		61.00	2022-23	4.4835					
5050000981	HDFC Bank Limited-IX-D2	7.85%	24-10-2022	23-12-2022		61.00	2022-23	4.7885					
5050000981	HDFC Bank Limited-IX-D2	8.20%	24-12-2022	31-12-2022		8.00	2022-23	0.656					
5050000981	HDFC Bank Limited-IX-D2	7.95%	01-01-2023	28-02-2023		59.00	2022-23	4.6905					
5050000981	HDFC Bank Limited-IX-D2	8.01%	01-03-2023	31-03-2023		31.00	2022-23	2.4831					
5050000981	HDFC Bank Limited-IX-D2	8.01%	01-Apr-23	31-May-23		61.00	2023-24	4.8861					
5050000981	HDFC Bank Limited-IX-D2	7.95%	01-Jun-23	31-Mar-24		305.00	2023-24	24.2475	#DIV/0!	5.950%	5.950%	7.233%	7.960%
5050001151	HDFC X-D1	5.83%	21-03-2022	31-03-2022		11.00	2021-22	0.6413					
5050001151	HDFC X-D1	5.83%	01-04-2022	23-05-2022		53.00	2022-23	3.0899					
5050001151	HDFC X-D1	6.23%	24-05-2022	23-08-2022		92.00	2022-23	5.7316					
5050001151	HDFC X-D1	7.23%	24-08-2022	31-12-2022		130.00	2022-23	9.399					
5050001151	HDFC X-D1	7.73%	01-01-2023	23-02-2023		54.00	2022-23	4.1742					
5050001151	HDFC X-D1	8.20%	24-02-2023	28-02-2023		5.00	2022-23	0.41					
5050001151	HDFC X-D1	8.01%	01-03-2023	31-03-2023		31.00	2022-23	2.4831					

5050001151	HDFC X-D1	8.01%	01-Apr-23	31-May-23		61.00	2023-24	4.8861					
5050001151	HDFC X-D1	7.95%	01-Jun-23	31-Mar-24		305.00	2023-24	24.2475	#DIV/0!	#DIV/0!	5.830%	6.928%	7.960%
5050001151	HDFC X-D2	5.83%	12-05-2022	23-05-2022		12.00	2022-23	0.6996					
5050001151	HDFC X-D2	6.23%	24-05-2022	23-08-2022		92.00	2022-23	5.7316					
5050001151	HDFC X-D2	7.23%	24-08-2022	31-12-2022		130.00	2022-23	9.399					
5050001151	HDFC X-D2	7.73%	01-01-2023	23-02-2023		54.00	2022-23	4.1742					
5050001151	HDFC X-D2	8.20%	24-02-2023	28-02-2023		5.00	2022-23	0.41					
5050001151	HDFC X-D2	8.01%	01-03-2023	31-03-2023		31.00	2022-23	2.4831					
5050001151	HDFC X-D2	8.01%	01-Apr-23	31-May-23		61.00	2023-24	4.8861					
5050001151	HDFC X-D2	7.95%	01-Jun-23	31-Mar-24		305.00	2023-24	24.2475	#DIV/0!	#DIV/0!	#DIV/0!	7.067%	7.960%
5050001263	IndusInd Bank	6.82%	15-07-2022	14-10-2022		92.00	2022-23	6.2744					
5050001263	IndusInd Bank	7.87%	15-10-2022	14-01-2023		92.00	2022-23	7.2404					
5050001263	IndusInd Bank	8.00%	15-01-2023	31-03-2023		76.00	2022-23	6.08					
5050001263	IndusInd Bank	8.00%	01-Apr-23	14-Apr-23		14.00	2023-24	1.12					
5050001263	IndusInd Bank	8.10%	15-Apr-23	14-Jul-23		91.00	2023-24	7.371					
5050001263	IndusInd Bank	8.15%	15-Jul-23	19-Sep-23		67.00	2023-24	5.4605					
5050001263	IndusInd Bank	8.00%	20-Sep-23	19-Dec-23		91.00	2023-24	7.28					
5050001263	IndusInd Bank	8.05%	20-Dec-23	31-Mar-24		103.00	2023-24	8.2915	#DIV/0!	#DIV/0!	#DIV/0!	7.536%	8.066%
5050001041	Bank Of India-IV	8.15%	30-03-2023	31-03-2023		2.00	2022-23	0.163					
5050001041	Bank Of India-IV	8.00%	01-Apr-23	31-Mar-24		366.00	2023-24	29.28	#DIV/0!	#DIV/0!	#DIV/0!	8.150%	8.000%

Form-15

Form 15: Stage I & II											
Name of the Generating Station : Farakka Super Thermal Power Station											
Form 15: Stage I & II			Oct'18			Nov'18			Dec'18		
S. No.	PARTICULARS	Unit	Revised			Revised			Revised		
Sl No	PARTICULARS		Domestic		Imported	Domestic		Imported	Domestic		Imported
			Supplies by MGR	Supplies by Rail		Supplies by MGR	Supplies by Rail		Supplies by MGR	Supplies by Rail	
A)	**OPENING QUANTITY**										
1	Opening Quantity of Coal/Lignite	(MT)	0.00		0	0.00		0	0.00		0
2	Value of Stock		0.00		0	0.00		0	0.00		0
I)	**QUANTITY**										
1	Quantity of Coal/Lignite supplied by Coal/Lignite Company inclusive of opening stock of coal	(MT)	429228.65	461419.48	2995.16	338740.72	461344.20	3573.77	354665.3	506922.88	7851.28
2	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MT)	-3140.22		0.00	-3579.68		0	-2366.31		
3	Coal supplied Iy Coal/Lignite(3+4) Company (3+4)	(MT)	426088.43	461419.48	2995.16	335161.04	461344.20	3573.77	352298.96	506922.88	7851.28
4	Normative Transit & Handling Losses (For coal/lignite based projects)	(MT)	858.46	3691.36	5.99	677.48	3690.76	7.15	709.33	4055.38	15.7
5	Net coal / Lignite Supplied (5-6) 4)	(MT)	425229.97	457728.12	2989.17	334483.560	457653.440	3566.620	351589.630	502867.500	7835.58
6	Amount charged By the Coal /Lignite Company	(Rs.)	2721700565.80		15311687.91	2702176776		18266118.15	3031445171.12		4010517.44
7	Adjustment (+/-) in amount charged made Iy Coal/Lignite Company	(Rs.)			0	312035978.86		0	253808984.0		0
8	Total amount Charged (6+7)		2721700565.80		15311687.91	3014212754.90		18266118.15	3285254155.1		4010517.44
9	Transportation charges by rail/ship/road transport	(Rs.)	**309156914.06**			327693527.65			**349521680.59**		
10	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)									
11	Demurrage Charges, if any	(Rs.)									
12	Cost of diesel in transporting coal through MGR system, if applicalle	(Rs.)	25598550.45			24536120.40			21035541.60		
13	Total Transportation Charges(9+/-10-11+12)	(Rs.)	**334755464.51**			**352229648.05**			**370557222.19**		
13A	Others(Stone picking charge,Loco Driver's salary, Sampling ch tc)		36996308.98		25876.73	36519345.64		34384.90	35817323.26		103201.4
14	Total amount Charged for coal/lignite supplied including Transportation(8+13)	(Rs.)	**3093452339.29**		15337564.64	**3402961748.59**		18300503.05	**3691628700.56**		4113718.8
15	Landed cost of coal/ Lignite(2+17)/(1+7)	Rs./MT	3861.59		5131.05	3998.66		5131.05	4226.54		5131.05
16	Blending Ratio (Domestic/Imported)		99.56		0.44	99.57		0.43	99.11		0.89
17	Weighted average cost of coal/ Lignite for preceeding three months	Rs./MT	4035.10								
18	GCV of Domestic Coal as per bill of Coal Company (Equib basis)	(kCal/Kg)	4770			4870			4984		
19	GCV of Imported Coal supplied as per Bill Coal Company (AD Basis)	(kCal/Kg)			5690			5690			5672
20	Weighted average GCV of coal/ Lignite as billed (Domestic EQ basis & Imported AD Basis)	(kCal/Kg)	4773			4874			4990		
21	GCV of Domestic Coal supplied as received at Station (TM Basis)	(kCal/Kg)	3648			3733			4088		
22	GCV of Imported Coal supplied as received at Station (TM Basis)	(kCal/Kg)			4662			4662			4660
23	Weighted average GCV of coal/ Lignite as Received at Station (TM Basis)	(kCal/Kg)	3652			3738			4095		

PART-I

FORM- 15A

Details of Secondary Fuel for Computation of Energy Charges

Name of the Company :	**NTPC Limited**
Name of the Power Station :	**Farakka Super Thermal Power Station**

Sl.No.	Month	Unit	Oct-18	Nov-18	Dec-18
			HFO	HFO	HFO
1	Opening Stock of Oil	KL	6690	5839	5283.09
2	Value of Opening Stock	(Rs)	212001099	185047746	167427447
3	Quantity of Oil supplied by Oil Company	KL			2724
4	Adjustment(+/-) in quantity supplied made by Oil Company	KL			
5	Oil supplied by Oil Company (3+4)	KL			2724
6	Normative Transit & Handling Losses	KL			
7	Net Oil Supplied (4-6)	KL			2724
8	Amount charged by the Oil Company	(Rs)			125871158
9	Adjustment(+/-) in amount charged made by Oil Company	(Rs)			
10	Total amount charged (8+9)	(Rs)			125871158
11	Transportation charges by rail / ship / road transport	(Rs)			
12	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs)			
13	Demurrage Charges, if any	(Rs)			
14	Total Transportation Charges (11+/-12+13	(Rs)			
15	Total amount Charged for fuel supplied including Transportation (10+14)	(Rs)			125871158
16	Weighted average GCV of Oil as received	(kCal/L)	9820	9740	9810
17	Quantity of oil at the station for the Month (1+7)	KL	6690	5839	8007
18	Total Amount Charged for Oil (2+15)	(Rs)	212001099	185047746	293298605
19	Weighted average rate of Secondary Fuel	Rs/KL	31691.19	31691.68	36631.88

Form 15: Stage I & II												
Name of the Generating Station : Farakka Super Thermal Power Station												
Form 15: Stage I & II			Oct'19			Nov'19			Dec'19			
S. No.	PARTICULARS	Unit	Revised			Revised			Revised			
Sl No	PARTICULARS		Domestic		Imported	Domestic		Imported	Domestic		Imported	
			Supplies by MGR	Supplies by Rail		Supplies by MGR	Supplies by Rail		Supplies by MGR	Supplies by Rail		
A)	**OPENING QUANTITY**											
1	Opening Quantity of Coal/Lignite	(MT)	192610.88			131647.18			185660.22			
2	Value of Stock		726398172.06			497764134.24			696009101.95			
I)	**QUANTITY**											
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	142434.25	372292.58		299745.76	377336.54		412891.1	526525.68		
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MT)	-1621.62	-1052.7		-714.42	-624.65		-800.87	-1162.66		
5	Coal supplied ly Coal/Lignite(3+4) Company (3+4)	(MT)	140812.63	371239.88		299031.34	376711.89		412090.23	525363.02		
6	Normative Transit & Handling Losses (For coal/Lignite based Projects)	(MT)	284.87	2978.34		599.49	3018.69		825.78	4212.21		
7	Net coal / Lignite Supplied (5-6) 4)	(MT)	140527.7615	368261.5394		298431.848	373693.1977		411264.448	521150.8146		
C)	**PRICE**											
8	Amount charged By the Coal /Lignite Company	(Rs.)	1560374598			2108434679			2576973370			
9	Adjustment (+/-) in amount charged made ly Coal/Lignite Company	(Rs.)	17848918.96			125509640			337739241.3			
10	Handling, Sampling and such other similar charges		91294249.38			31364666			31364666.05			
11	Total amount Charged(8+9+10)	(Rs.)	**1669517766.09**			2265308985			**2946077277**			
D)	**TRANSPORATION**											
12	Transportation charges by rail/ship/road transport	(Rs.)	**233924951**			227945450			**339477397**			
	By Rail		233924951			227945450			339477397			
	By Road											
	By Ship											
	.....											
13	Adjustment (+/-) in amount charged made by	(Rs.)										
	Railways/Transport Company											
14	Demurrage Charges, if any	(Rs.)										
15	Cost of diesel in transporting coal through MGR system, if applicalle	(Rs.)	22193523.09			22193523.09			22193523.09			
16	Total Transportation Charges(12+13+14+15)	(Rs.)	**256118474.09**			**250138973.10**			**361670920.10**			
17	Total amount Charged for coal/lignite supplied including Transportation(11+16)	(Rs.)	**1925636240.18**			**2515447958.00**			**3307748197.00**			
E)	**TOTAL COST**											
18	Landed cost of coal/ Lignite(2+17)/(1+7)	Rs./MT	3781.06			3748.84			3580.94			
19	Blending Ratio (Domestic/Imported)		100			100			100			
20	Weighted average cost of coal/ Lignite for preceding three months	Rs./MT	3703.61									
F)	**QUALITY**											
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4923			5237			4922			
22	GCV of Domestic Coal supplied as per Bill of Coal Company	(kCal/Kg)	5275			4911			4680			
23	GCV of Imported Coal of the opening stock as per Bill Coal Company	(kCal/Kg)										
24	GCV of Imported Coal supplied as per Bill Coal Company	(kCal/Kg)										
25	Weighted average GCV of coal/ Lignite as billed	(kCal/Kg)	5275			4911			4680			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3629			3712			3698			
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	3725			3697			3387			
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)										
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)										
30	Weighted average GCV of coal/ Lignite as Received	(kCal/Kg)	3725			3697			3387			

Sl.No.	Particulars	Unit	HFO		
			Oct-19	Nov-19	Dec-19
			Value	Value	Value
1	Opening Stock of Oil	(KL)	3828.47	2465.97	4079.20
2	Value of Opening Stock	(Rs.)	143691970.46	92553967.61	162117123.21
3	Quantity of HFO supplied by Oil company	(KL)	0.00	2891.73	2835.97
4	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00	0.00	0.00
5	HFO supplied by Oil company (3+4)	(KL)	0.00	2891.73	2835.97
6	Normative transit & Handling losses	(KL)	0.00	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	2891.73	2835.97
8	Amount charged by Oil Company	(Rs.)	0.00	120373802.98	120373802.98
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00	0.00
10	Total amount charged (8+9)	(Rs.)	0.00	120373802.98	120373802.98
11	Transportation charges by rail/ship/road transport companies	(Rs.)	0.00	0.00	0.00
12	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00	0.00	0.00
13	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00
14	Total Transportation Charges (11+/-12-13)	(Rs.)	0.00	0.00	0.00
15	Others/E.TAX	(Rs.)	0.00	0.00	0.00
16	Total Amount charged for Oil supplied including transportation (10+14+15)	(Rs.)	0.00	120373802.98	120373802.98
17	**Weighted average GCV of Oil (HFO)**	**Kcal/KL**	**9710.00**	**9690.00**	**9830.00**
18	Quantity of Oil at Station for the month (1+7)	(KL)	3828.47	5357.70	6915.17
19	Total Amount Chargrd for Oil (2+16)	(Rs.)	143691970.46	212927770.59	282490926.19
20	**Weighted average price of HFO (19/18)**	**(Rs./KL)**	**37532.48**	**39742.39**	**40850.92**
21	Quantity of Oil Consumed (Including Capex Consumption)	(KL)	1362.50	1278.50	514.50
22	Value of Oil consumed (21*20)	(Rs.)	51138002.84	50810647.39	21017800.81
23	Closing Stock of Oil (18-21)	(KL)	2465.97	4079.20	6400.67
24	Value of Closing Stock (19-22)	(Rs.)	92553967.61	162117123.21	261473125.38

Form 15: Stage I & II													
Name of the Generating Station Farakka Super Thermal Power Station													
Form 15: Stage I & II			**Oct'20**				**Nov'20**				**Dec'20**			
S.	**PARTICULARS**	**Unit**												
Sl No	**PARTICULARS**		**Domestic**			**Imported**	**Domestic**			**Imported**	**Domestic**			**Imported**
			Supplies by MGR	**Supplies by** Rail	**Supplied by** NTPC Mines		**Supplies by** MGR	**Supplies by Rail**	**Supplied by** NTPC Mines		**Supplies by** MGR	**Supplies by Rail**	**Supplied by** NTPC Mines	
A)	**OPENING QUANTITY**													
1	Opening Quantity of Coal/Lignite	(MT)	682603.98		33276.33		655119.20		16759.33		713219.92		9865.33	
2	Value of Stock		2371006011.58		117198621.34		2276928470.78		59026077.34		2334628113.93		34745547.34	
I)	**QUANTITY**													
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	3,44,635.03	3,55,313.97	0		478313.23	264937.61			193143.6	284155.06	39404.06	
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MT)									-54.55			
5	Coal supplied Iy Coal/Lignite(3+4) Company (3+4)	(MT)	344635.03	355313.97	0		478313.23	264937.61	0		193089.05	284155.06	39404.06	
6	Normative Transit & Handling Losses (For	(MT)	689.27	2842.51	0		956.63	2119.50	0		386.29	2273.24	315.23248	
	coal/Lignite lased Projects)													
7	Net coal / Lignite Supplied (5-6) 4)	(MT)	343945.7599	352471.4582	0.00		477356.60	262818.11	0.00		192702.76	281881.82	39088.83	
C)	PRICE													
8	Amount charged By the Coal /Lignite Company	(Rs.)	2161197906		0		20853S0944				1617197650		94919185	
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	-43849183.39				-43849183.39				-43849183.39			
10	Handling, Sampling and such other similar charges		46114365.69				46114365.69				46114365.69		1561061.261	
11	Total amount Charged(8+9+10)	(Rs.)	**2163463088.31**		0.00		**2087616126**		0.00		**1619462832**		**96480246.26**	
D)	**TRANSPORATION**													
12	Transportation charges by rail/ship/road transport	(Rs.)	**234736836**		0		**175242628**		0		**192402587**		**45461915**	
	By Rail		234736836				175242628				192402587		45461915	
	By Road													
	By Ship													
13	Adjustment (+/-) in amount charged made by	(Rs.)												
	Railways/Transport Company													
14	Demurrage Charges, if any	(Rs.)												
15	Cost of diesel in transporting coal through MGR system, if applicalle	(Rs.)	23716325.9				27514637.84				15250813.84		0	
16	Total Transportation Charges(12+13+14+15)	(Rs.)	**258453161.90**		0.00		**202757265.8**		0.00		**2076S3400.84**		**45461915.00**	
17	Total amount Charged for coal/lignite supplied including Transportation(11+16)	Rs.)	**2421916250.21**		0.00		**2290373392**		0.00		1827116233		**141942161.26**	
E)	TOTAL COST													
18	Landed cost of coal/ Lignite(2+17)/(1+7)	Rs./MT	3475.60		3521.98		3273.36		3521.98		3503.73		3609.25	
19	Blending Ratio (Domestic/Imported)		0.98		0.02		0.99		0.01		0.96		0.04	
20	Weighted average cost of coal/ Lignite		3476.63				3275.85				3507.88			
	Weighted average cost of coal/ Lignite for preceding three months	Rs./MT	3420.11											
F)	**QUALITY**													
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4650		4750		4693		4750		4516		4750	
22	GCV of Domestic Coal supplied as per Bill of Coal Company	(kCal/Kg)	4731				4376				5010		4750	
23	GCV of Imported Coal of the opening stock as per Bill Coal Company	(kCal/Kg)												
24	GCV of Imported Coal supplied as per Bill Coal Company	(kCal/Kg)												
25	Weighted average GCV of coal/ Lignite as billed	(kCal/Kg)	4694				4518.08				4727			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3443		3742		3416		3742		3290		3742	
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	3393				3191				3847		4106	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)												
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)												
30	Weighted average GCV of coal/ Lignite as Received	(kCal/Kg)	3424				3295				3548			

Sl.No.	Particulars	Unit	HFO		
			Oct-20	Nov-20	Dec-20
			Value	Value	Value
1	Opening Stock of Oil	(KL)	5449.95	7431.45	6923.45
2	Value of Opening Stock	(Rs.)	225085254.52	269232153.03	250827940.00
3	Quantity of HFO supplied by Oil company	(KL)	2905.50		0.00
4	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00	0.00	0.00
5	HFO supplied by Oil company (3+4)	(KL)	2905.50	0.00	0.00
6	Normative transit & Handling losses	(KL)	0.00	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	2905.50	0.00	0.00
8	Amount charged by Oil Company	(Rs.)	7,76,22,278.13		0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00	0.00
10	Total amount charged (8+9)	(Rs.)	77622278.13	0.00	0.00
11	Transportation charges by rail/ship/road transport companies	(Rs.)	0.00	0.00	0.00
12	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00	0.00	0.00
13	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00
14	Total Transportation Charges (11+/-12-13)	(Rs.)	0.00	0.00	0.00
15	Others/E.TAX	(Rs.)	0.00	0.00	0.00
16	Total Amount charged for Oil supplied including transportation (10+14+15)	(Rs.)	77622278.13	0.00	0.00
17	**Weighted average GCV of Oil (HFO)**	**Kcal/KL**	**9790.00**	**9810.00**	**9810.00**
18	Quantity of Oil at Station for the month (1+7)	(KL)	8355.45	7431.45	6923.45
19	Total Amount Chargrd for Oil (2+16)	(Rs.)	302707532.65	269232153.03	250827940.00
20	**Weighted average price of HFO (19/18)**	**(Rs./KL)**	**36228.77**	**36228.77**	**36228.75**
21	Quantity of Oil Consumed (Including Capex Consumption)	(KL)	924.00	508.00	1719.50
22	Value of Oil consumed (21*20)	(Rs.)	33475379.61	18404213.03	62295335.83
23	Closing Stock of Oil (18-21)	(KL)	7431.45	6923.45	5203.95
24	Value of Closing Stock (19-22)	(Rs.)	269232153.03	250827940.00	188532604.17

Form 15: Stage I & II																	
Name of the Generating Station : Farakka Super Thermal Power Station																	
Form 15: Stage I & II			Oct-21					Nov-21					Dec-21				
S.	PARTICULARS	Unit															
Sl No	PARTICULARS		Domestic			Biomass	Imported	Domestic			Biomass	Imported	Domestic			Biomass	Imported
			MGR	Rail	NTPC Mines			MGR	Rail	NTPC Mines			MGR	Rail	NTPC Mines		
A)	**OPENING QUANTITY**																
1	Opening Quantity of Coal/Lignite	(MT)	146326.80		3300.52	20.03		116564		6080.53	17.03		87519.97			8.03	
2	Value of Stock		602142673.42		11965223.01	166392.25		497985407.71		21201020.92	141471.25		366841788.49		0	66706.25	
I)	**QUANTITY**																
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	86415.85	458514.66	19728.84			124824.19	417244.01	137988.8			88094.06	520956.42	208814.37		
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MT)															
5	Coal supplied Iy Coal/Lignite(3+4) Company (3+4)	(MT)	86415.85	458514.66	19728.84			124824.19	417244.01	137988.80			88094.06	520956.42	208814.37		
6	Normative Transit & Handling Losses (For	(MT)	172.83	3666.12	157.83	0		249.65	3337.95	1104			176.19	4167.65	1670.51		
	coal/Lignite lased Projects)																
7	Net coal / Lignite Supplied (5-6) 4)	(MT)	86243	454849	19571	0		124575	413906	136885			87917.87	516788.77	207143.86		
C)	**PRICE**																
8	Amount charged By the Coal /Lignite Company	(Rs.)	1885491804		45462613			1874720988.0		336255444.4			2104066627		514649374.2		
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	3156517.54					3156517.54					3156517.54				
10	Handling, Sampling and such other similar charges		20982375.38		4041885	0		20982375		4041885			20982375		4041885		
11	Total amount Charged(8+9+10)	(Rs.)	**1909630696.92**		**49504498**	**0**		**1898859881**		**340297329**	**0**		**2128205520**		**518691259**	**0**	
D)	**TRANSPORATION**																
12	Transportation charges by rail/ship/road transport	(Rs.)	**400806106**		**18276648**	**0**		**326530316**		**187774418**	**0**		**445987861**		**245962196**	**0.00**	
	By Rail		**400806106**		**18276648**			326530316		187774418			445987861		245962196		
	By Road																
	By Ship																
	……																
13	Adjustment (+/-) in amount charged made by	(Rs.)															
	Railways/Transport Company																
14	Demurrage Charges, if any	(Rs.)															
15	Cost of diesel in transporting coal through MGR system, if applicalle	(Rs.)	24208390.37		0			22252897					17892474				
16	Total Transportation Charges(12+13+14+15)	(Rs.)	**425014496.37**		**18276648**	**0**		**348783212.90**		**187774418**	**0**		**463880334.96**		**245962196**	**0**	
17	Total amount Charged for coal/lignite supplied including Transportation(11+16)	(Rs.)	**2334645193.29**		**67781146**	**0**		**2247643094**		**528071747**	**0**		**2592085855**		**764653455.17**	**0**	
E)	**TOTAL COST**																
18	Landed cost of coal/ Lignite(2+17)/(1+7)	Rs./MT	4272.20		3486.71	8307.15		4191.51		3842.00	8307.18		4274.51		3691.41	8307.13	
19	Blending Ratio (Domestic/Imported)		0.97		0.03	0.00		0.80		0.20	0.00		0.78		0.22	0.00	
20	Weighted average cost of coal/ Lignite (Including Biomass)	Rs./MT	4249.78					4119.98					4148.40				
20	Weighted average cost of coal/ Lignite (Excluding Biomass)	Rs./MT	4249.73					4119.87					4148.32				
20(a)	Weighted average cost of coal/ Lignite (Including Biomass)	Rs./MT	4172.16														
F)	**QUALITY**																
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4945			3700		5052		4778	3700		5109		4751	3700	
22	GCV of Domestic Coal supplied as per Bill of Coal Company	(kCal/Kg)	5079		4750	-		5152		4750	-		5321		4750	-	
23	GCV of Imported Coal of the opening stock as per Bill Coal Company	(kCal/Kg)															
24	GCV of Imported Coal supplied as per Bill Coal Company	(kCal/Kg)															
25	Weighted average GCV of coal/ Lignite as billed(Including Biomass)	(kCal/Kg)	5043					5037					5149				
25 a	Weighted average GCV of coal/ Lignite as billed(Excluding Biomass)	(kCal/Kg)	5043					5037					5149				
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3679			3784		3736		3771	3784		3965		3804	3784	
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	3750		3786	-		4029		3805	-		3984		3991	-	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)															
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)															
30	Weighted average GCV of coal/ Lignite as Received(Including Biomass)	(kCal/Kg)	3737					3932					3979				
30 a	Weighted average GCV of coal/ Lignite as Received(Excluding Biomass)	(kCal/Kg)	3737					3932					3979				

	DETAILS /INFORMATION TO BE SUBMITTED i.r.o FUEL				
	FOR COMPUTATION OF ENERGY CHARGES (In case of Oil)				
			FORM-15		
	NAME OF THE POWER STATION :- FSTPS		**Oct-21**	**Nov-21**	**Dec-21**
	MONTH :-		**HFO**	**HFO**	**HFO**
Sl	**Particulars**	**Unit**	**Total**	**Total**	**Total**
1	Opening Stock of Oil	KL	5865	7917.84	7508
2	Value of Opening Stock	Rs	287050762	399820273	379142103
3	Quantity of Oil supplied made by Oil Company	KL	2684.35	0.00	0.00
4	Adjustment (+/-) in quantity supplied made Oil Company	KL	0.00	0.00	0.00
5	Oil supplied by Oil Company (3+4)	KL	2684.35	0.00	0.00
6	Normative transit & handling losses	KL	0.00	0.00	0.00
7	Net Oil supplied (5-6)	KL	2684.35	0.00	0.00
8	Amount charged by the Oil Company	Rs	144683072.73	0.00	0.00
9	Adjustment (+/-) in amount Charged by Oil Company	Rs	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges				
11	Total amount charged (8+9+10)	Rs	0.00	0.00	0.00
12	Tranportation charges by rail/ship/road transport	Rs	0.00	0.00	0.00
13	Adjustment(+/-) in amount charged by railways/transport Co	Rs	0.00	0.00	0.00
14	Demurrage charges if any	Rs	0.00	0.00	0.00
15	Cost of diesel in tpt Oil through mgr system,if applicable				
16	Total TPT charges (11+/-12-13+14+15)	Rs	0.00	0.00	0.00
17	Total amount charged for Oil supplied including transportation (11+16)	Rs	0.00	0.00	0.00
18	Landed cost of Oil (2+17)/(1+7)	Rs	50496.14	50496.14	50496.14
19	Blending Ratio (Domestic/Imported)				
20	Weighted average cost of Oil for preceding three months				
21	GCV of Dom. Oil of the opening Oil stock as per bill of Oil Co				
22	GCV of Dom. Oil supplied as per bill of Oil Co.				
23	GCV of Imp. Oil of the opening stock as per bill Oil Co.				
24	GCV of Imp. Oil supplied as per bill Oil Co.				
25	Weighted average GCV of Oil as Billed				
26	GCV of Dom. Oil of the opening stock as received at Station		9790	9840	9760
27	GCV of Domestic Oil supplied as received at Station				
28	GCV of Imp. Oil of opening stock as received at Station				
29	GCV of Imp. Oil supplied as received at the station				
30	Weighted average GCV of Oil as Received		9790	9840	9760
	Details of information to be submitted in respect of Fuel for Consumption of energy charges				
	Station:- FSTPS				
	Month :-		**HFO**	**HFO**	**HFO**
Sl	**Particulars**	**Unit**	**Stage -I&II**	**Stage -I&II**	**Stage -I&II**
1	Landed Cost of Oil at Sl No 18	Rs/KL	50496.14	50496.14	50496.14
2	Usage Quantity for the month	KL	497.50	399.50	649.00
3	Weighted average rate	Rs/KL	**50496.14**	**50496.14**	**50496.14**
4	Weighted average GCV of Oil	kcal/Litr	9790	9840	9760
Sl	**Particulars**	**Unit**	**Stage -III**	**Stage -III**	**Stage -III**
1	Landed Cost of Oil at Sl No 20	Rs/KL	50496.14	50496.14	50496.14
2	Usage Quantity for the month	KL	134.50	10.00	118.00
3	Weighted average rate	Rs/KL	**50496.14**	**50496.14**	**50496.14**
4	Weighted average GCV of Oil	kcal/Litr	9790	9840	9760

Form 15: Stage I & II																	
Name of the Generating Station : Farakka Super Thermal Power Station																	
Form 15: Stage I & II			Oct-22					Nov-22					Dec-22				
S.	PARTICULARS	Unit															
Sl No	PARTICULARS		Domestic			Biomass	Imported	Domestic			Biomass	Imported	Domestic			Biomass	Imported
			MGR	Rail	NTPC Mines			MGR	Rail	NTPC Mines			MGR	Rail	NTPC Mines		
A)	**OPENING QUANTITY**																
1	Opening Quantity of Coal/Lignite	(MT)	200170		6220	0	130153	275657		18378	0	46718	426922		13133	0	15180
2	Value of Stock		940528720		22592188	0	2470826442	1293050196		66558290	0	888390830	1994465052		47492776	0	287475047
I)	**QUANTITY**																
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	101870	425898	63323		8125	96177	461760	78427		16040	69969	383449	15491		14772
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MT)												-3692			
5	Coal supplied ly Coal/Lignite(3+4) Company (3+4)	(MT)	101870	425898	63323	0	8125	96177	461760	78427		16040	69969	379758	15491		14772
6	Normative Transit & Handling Losses (For coal/Lignite lased Projects)	(MT)	204	3407	507	0	16	192	3694	627		32	140	3068	124		30
7	Net coal / Lignite Supplied (5-6) 4)	(MT)	101667	422491	62816	0	8109	95984	458066	77800		16008	69829	376690	15367		14743
C)	**PRICE**																
8	Amount charged By the Coal /Lignite Company	(Rs.)	2152323709		159225377		146435424	2265944869		197206130		275959503	1764590990		38953344		240222805
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)															
10	Handling, Sampling and such other similar charges		42388383		5085821	0	0	41623368		5850836			45905798		1568406		
11	Total amount Charged(8+9+10)	(Rs.)	**2194712092**		**164311198**	**0**	**146435424**	**2307568237**		**203056966**	**0**	**275959503**	**1810496787**		**40521750**	**0**	**240222805**
D)	**TRANSPORATION**																
12	Transportation charges by rail/ship/road transport	(Rs.)	**242806579**		**63121970**	**0**	**11932953**	**257266170**		**78178741**	**0**	**23556612**	**269161905**		**15442336**	**0.00**	**21694970**
	By Rail		242806579		63121970		11932953	257266170		78178741		23556612	269161905		15442336		21694970
	By Road																
	By Ship																
	……																
13	Adjustment (+/-) in amount charged made by	(Rs.)															
	Railways/Transport Company																
14	Demurrage Charges, if any	(Rs.)															
15	Cost of diesel in transporting coal through MGR system, if applicalle	(Rs.)	19619554		0			18279190					8536716				
16	Total Transportation Charges(12+13+14+15)	(Rs.)	**262426133**		**63121970**	**0**	**11932953**	**275545359**		**78178741**	**0**	**23556612**	**277698621**		**15442336**	**0**	**21694970**
17	Total amount Charged for coal/lignite supplied including Transportation(11+16)	(Rs.)	**2457138225**		**227433168**	**0**	**158368377**	**2583113596**		**281235707**	**0**	**299516115**	**2088195408**		**55964086**	**0**	**261917775**
E)	**TOTAL COST**																
18	Landed cost of coal/ Lignite(2+17)/(1+7)	Rs./MT	4690.79		3621.68	0.00	19016.04	4671.72		3616.17	0.00	18938.12	4674.22		3629.97	0.00	18360.61
19	Blending Ratio (Domestic/Imported)		0.76		0.09	0.00	0.15	0.76		0.16	0.00	0.09	0.91		0.03	0.00	0.06
20	Weighted average cost of coal/ Lignite (Including Biomass)	Rs./MT	6818.55					5779.11					5473.92				
20(a)	Weighted average cost of coal/ Lignite (Including Biomass)	Rs./MT	5993.67														
F)	**QUALITY**																
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	5805		4750	-		5829		4750	-		5695		4750	-	
22	GCV of Domestic Coal supplied as per Bill of Coal Company	(kCal/Kg)	5838		4750	-		5838		4750	-		5838		4750	-	
23	GCV of Imported Coal of the opening stock as per Bill Coal Company	(kCal/Kg)														4938	
24	GCV of Imported Coal supplied as per Bill Coal Company	(kCal/Kg)														4968	
25	Weighted average GCV of coal/ Lignite as billed(Including Biomass)	(kCal/Kg)	5734					5710					5709				
25 a	Weighted average GCV of coal/ Lignite as billed(Excluding Biomass)	(kCal/Kg)	5734					5710					5709				
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3717		3627	-		3715		3870	-		4063		3668	-	
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	3715		3894	-		4238		3626	-		4257		3605	-	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)					4958					4959					4938
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)					4976					4872					4968
30	Weighted average GCV of coal/ Lignite as Received(Including Biomass)	(kCal/Kg)	3913					4079					4169				
30 a	Weighted average GCV of coal/ Lignite as Received(Excluding Biomass)	(kCal/Kg)	3913					4079					4169				

	DETAILS /INFORMATION TO BE SUBMITTED i.r.o FUEL							
	FOR COMPUTATION OF ENERGY CHARGES (In case of Oil)							
	NAME OF THE POWER STATION :- FSTPS		**Oct-22**		**Nov-22**		**Dec-22**	
	MONTH :-		**HFO**	**LDO**	**HFO**	**LDO**	**HFO**	**LDO**
Sl	**Particulars**	**Unit**						
1	Opening Stock of Oil	KL	8731	97	7929	97	7501	97
2	Value of Opening Stock	Rs	508030257	5716011	461365943	5716011	436462793	5716011
3	Quantity of Oil supplied made by Oil Company	KL						
4	Adjustment (+/-) in quantity supplied made Oil Company	KL	0.00	0.00	0.00	0.00	0.00	0.00
5	Oil supplied by Oil Company (3+4)	KL	0.00	0.00	0.00	0.00	0.00	0.00
6	Normative transit & handling losses	KL	0.00	0.00	0.00	0.00	0.00	0.00
7	Net Oil supplied (5-6)	KL	0.00	0.00	0.00	0.00	0.00	0.00
8	Amount charged by the Oil Company	Rs	0.00	0.00	0.00	0.00	0.00	0.00
9	Adjustment (+/-) in amount Charged by Oil Company	Rs	0.00	0.00	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges							
11	Total amount charged (8+9+10)	Rs	0.00	0.00	0.00	0.00	0.00	0.00
12	Tranportation charges by rail/ship/road transport	Rs	0.00	0.00	0.00	0.00	0.00	0.00
13	Adjustment(+/-) in amount charged by railways/transport Co	Rs	0.00	0.00	0.00	0.00	0.00	0.00
14	Demurrage charges if any	Rs	0.00	0.00	0.00	0.00	0.00	0.00
15	Cost of diesel in tpt Oil through mgr system,if applicable							
16	Total TPT charges (11+/-12-13+14+15)	Rs	0.00	0.00	0.00	0.00	0.00	0.00
17	Total amount charged for Oil supplied including transportation (11+16)		0.00	0.00	0.00	0.00	0.00	0.00
18	Landed cost of Oil (2+17)/(1+7)	Rs	58184.93	58964.42	58184.93	58964.42	58184.93	58964.42
19	Blending Ratio (Domestic/Imported)							
20	Weighted average cost of Oil for preceding three months							
21	GCV of Dom. Oil of the opening Oil stock as per bill of Oil Co							
22	GCV of Dom. Oil supplied as per bill of Oil Co.							
23	GCV of Imp. Oil of the opening stock as per bill Oil Co.							
24	GCV of Imp. Oil supplied as per bill Oil Co.							
25	Weighted average GCV of Oil as Billed							
26	GCV of Dom. Oil of the opening stock as received at Station		9840	9610	9850	9610	9890	9610
27	GCV of Domestic Oil supplied as received at Station							
28	GCV of Imp. Oil of opening stock as received at Station							
29	GCV of Imp. Oil supplied as received at the station							
30	Weighted average GCV of Oil as Received		9840		9850		9890	
	Details of information to be submitted in respect of Fuel for Consumption of energy charges							
	Station:- FSTPS							
	Month :-	**Dec-22**	**HFO**	**LDO**	**HFO**	**LDO**	**HFO**	**LDO**
Sl	**Particulars**	**Unit**	**Stage -I&II**	**Stage -I&II**	**Stage -I&II**	**Stage -I&II**	**Stage -I&II**	**Stage -I&II**
1	Landed Cost of Oil at Sl No 18	Rs/KL	58184.93	58964.42	58184.93	58964.42	58184.93	58964.42
2	Usage Quantity for the month	KL	681.00	0.00	428.00	0.00	1159.50	0.00
3	Weighted average rate	Rs/KL	**58184.93**		**58184.93**		**58184.93**	
4	Weighted average GCV of Oil	kcal/Litr	9840	9610	9850		9890	
Sl	**Particulars**	**Unit**	**Stage -III**	**Stage -III**	**Stage -III**	**Stage -III**	**Stage -III**	**Stage -III**
1	Landed Cost of Oil at Sl No 20	Rs/KL	58184.93	58964.42	58184.93	58964.42	58184.93	58964.42
2	Usage Quantity for the month	KL	121.00	0.00	0.00	0.00	162.00	0.00
3	Weighted average rate	Rs/KL	**58184.93**		**58184.93**		**58184.93**	
4	Weighted average GCV of Oil	kcal/Litr	9840		9850		9890	

					Computation of Energy Charges										**Form-15B**
															ADDITIONAL FORM
Name of the Company				**NTPC Limited**											
Name of the Power Station				**Farakka Super Thermal power Station Stage-I&II**											
										2019-20	**2020-21**	**2021-22**	**2022-23**	**2023-24**	
							No of Days in the year		Days	366	365	365	365	366	
Computation of Energy Charges (2019-20)							Sp. Oil consumption		ml/kwh	0.5	0.5	0.5	0.5	0.5	
							Auxiliary consumption		%	6.78	6.78	6.78	6.78	6.78	
1	Rate of Energy Charge from Sec. Fuel Oil/ Alternate Fuel (p/kwh)				1.667		Heat Rate		Kcal/Kwh	2,405.00	2,405.00	2,405.00	2,405.00	2405	
							Computation of Variable Charges								
							Variable Charge (Coal)		p/kwh	277.535	271.053	263.853	282.854	388.830	
							Variable Charge (Oil)		p/kwh	1.788	2.112	1.943	2.708	3.121	
2	Heat Contribution from SFO / Alternate Fuel	(H_s)			4.895		**Total**		p/kwh	279.323	273.165	265.796	285.562	391.951	
							Price of fuel from Form-15/15A								
							Coal Cost		(Rs./MT)	4035.10	3703.61	3420.11	4172.16	5993.67	
3	Heat Contribution from coal				2400.11		Oil Cost		(Rs./KL)	33338.25	39375.26	36228.76	50496.14	58184.93	
4	Specific Primary Fuel Consumption				0.641		**Computation of Fuel Expenses for Calculation of IWC:**								
							ESO in a year		(MUs)	11136.28	11105.86	11105.86	11105.86	11136.285	
							ESO for	40 days	(MUs)	1217.080	1217.080	1217.08	1217.08	1217.080	
5	Rate of Energy charge from Primary Fuel (p/kwh)				258.718		Cost of coal for 40 Days		(Rs. Lakh)	33778.27	32989.29	32113.05	34425.56	47323.75	
							Cost of oil for 2 months		(Rs. Lakh)	331.89	390.92	359.68	501.33	579.24	
							Energy Expenses for 45 days		(Rs. Lakh)	38245.39	37402.12	36393.24	39099.60	53666.53	
6	Rate of Energy charge ex-bus (p/kWh)				279.323										
							Coal			**Dec'18**	**Nov'18**	**Oct'18**	**Wtd. Avg.**		
							Wtd. Avg. Price of Coal		Rs./MT	4234.59	4003.53	3867.18	**4035.10**		
							Wtd. Avg. GCV of Coal as received		kCal/Kg	4095.00	3738.00	3652.00	**3828.33**		
							Wtd. Avg. GCV of Coal as received after adjustement of 85 kcal/kg						**3743.33**		
							Sec. Oil								
							Wtd. Avg. Price of Secondary Fuel		Rs/KL	36631.88	31691.68	31691.19	**33338.25**		
							Wtd. Avg. GCV of Secondary Fuel		kCal/L	9810.00	9740.00	9820.00	**9790.00**		
Computation of Energy Charges (2020-21)															
1	Rate of Energy Charge from Sec. Fuel Oil/ Alternate Fuel (p/kwh)	$(REC)_s$			1.969										
							Coal			**Dec'19**	**Nov'19**	**Oct'19**	**Wtd. Avg.**		
							Wtd. Avg. Price of Coal		Rs./MT	3580.94	3748.84	3781.06	**3703.61**		

							Wtd. Avg. GCV of Coal as received	kCal/Kg	3387.00	3697.00	3725.00	**3603.00**	
2	Heat Contribution from SFO / Alternate Fuel				4.872		**Wtd. Avg. Sec. Oil**					**3518.00**	
							Wtd. Avg. Price of Secondary Fuel	Rs/KL	40850.92	39742.39	37532.48	**39375.26**	
							Wtd. Avg. GCV of Secondary Fuel	kCal/L	9830.00	9690.00	9710.00	**9743.33**	
3	Heat Contribution from coal				2400.13								
4	Specific Primary Fuel Consumption				0.682								
5	Rate of Energy charge from Primary Fuel (p/kwh)				252.675								
6	Rate of Energy charge ex-bus (p/kWh)				273.165								
Computation of Energy Charges (21-22)													
1	Rate of Energy Charge from Sec. Fuel Oil/ Alternate Fuel (p/kwh)				1.811		**Coal**		**Dec'2020**	**Nov'2020**	**Oct'2020**	**Wtd. Avg.**	
							Wtd. Avg. Price of Coal	Rs./MT	3507.88	3275.85	3476.63	**3420.11**	
							Wtd. Avg. GCV of Coal as received	kCal/Kg	3548.00	3295.00	3424.00	**3422.33**	
2	Heat Contribution from SFO / Alternate Fuel				4.902		**Wtd. Avg. Sec. Oil**					**3337.33**	
							Wtd. Avg. Price of Secondary Fuel	Rs/KL	36228.75	36228.77	36228.77	**36228.76**	
							Wtd. Avg. GCV of Secondary Fuel	kCal/L	9810.00	9810.00	9790.00	**9803.33**	
3	Heat Contribution from coal				2400.10								
4	Specific Primary Fuel Consumption				0.719								
5	Rate of Energy charge from Primary Fuel (p/kwh)				245.964								
6	Rate of Energy charge ex-bus (p/kWh)				265.796								
Computation of Energy Charges (22-23)													
1	Rate of Energy Charge from												

	Sec. Fuel Oil/ Alternate Fuel (p/kwh)				2.525		**Coal**		**Dec'21**	**Nov'21**	**Oct'21**	**Wtd. Avg.**	
							Wtd. Avg. Price of Coal	Rs./MT	4148.40	4119.98	4249.78	**4172.16**	
							Wtd. Avg. GCV of Coal as received	kCal/Kg	3979.00	3932.00	3737.00	**3882.67**	
2	Heat Contribution from SFO / Alternate Fuel				4.898		**Wtd. Avg. GCV of Coal as received after adjustement of 85 kcal/kg**					**3797.67**	
							Sec. Oil						
							Wtd. Avg. Price of Secondary Fuel	Rs/KL	50496.14	50496.14	50496.14	**50496.14**	
							Wtd. Avg. GCV of Secondary Fuel	kCal/L	9760.00	9840.00	9790.00	**9796.67**	
3	Heat Contribution from coal				2400.10								
4	Specific Primary Fuel Consumption				0.632								
5	Rate of Energy charge from Primary Fuel (p/kwh)				263.676								
6	Rate of Energy charge ex-bus (p/kWh)				285.562								
Computation of Energy Charges (23-24)													
1	Rate of Energy Charge from Sec. Fuel Oil/ Alternate Fuel (p/kwh)				2.909		**Coal**		**Dec'22**	**Nov'22**	**Oct'22**	**Wtd. Avg.**	
							Wtd. Avg. Price of Coal	Rs./MT	5473.92	5779.11	6818.55	**5993.67**	
							Wtd. Avg. GCV of Coal as received	kCal/Kg	4169.00	4079.00	3913.00	**4053.67**	
2	Heat Contribution from SFO / Alternate Fuel				4.930		**Wtd. Avg. GCV of Coal as received after adjustement of 85 kcal/kg**					**3968.67**	
							Sec. Oil						
							Wtd. Avg. Price of Secondary Fuel	Rs/KL	58184.93	58184.93	58184.93	**58184.93**	
							Wtd. Avg. GCV of Secondary Fuel	kCal/L	9890.00	9850.00	9840.00	**9860.00**	
3	Heat Contribution from coal				2400.07								
4	Specific Primary Fuel Consumption				0.605								
5	Rate of Energy charge from Primary Fuel (p/kwh)				362.467								
6	Rate of Energy charge ex-bus (p/kWh)				391.951								

Petitioner

Form-17

Details/ Information to be submitted in respect of Capital Spares consumed during 2019-24							Part-I Form-17
Name of the Petitioner	NTPC Ltd						
Name of the Generating Station	Farakka STPS-I & II						
							Amount in Lakhs
Sl No	Details of Capital Spares and Expenses						Reasons For Capital Spare Consumption
	Name of Spares	2019-20	2020-21	2021-22	2022-23	2023-24	
A	Decap of Capital Spares Consumption						
1	IMPELLER ASSY,1206 016 1608,2X500MW	161.10	0.00	0.00	0.00	0.00	In order to meet the customers demand and maintain high machine availability at all times by the instant station, units/equipment are taken under OH/maintenance and inspected regularly for wear and tear. During such works, spare parts of equipment which are damaged/ unserviceable are replaced/consumed so that the machine continues to perform at expected efficiency on a sustained basis. Further as per Regulations 35(6) capital spares are admissible separately as pert of O&M expenses.Therefore it is prayed that the capital spares consumed by the instant station during the period may please be allowed by Hon'ble Commission.
2	COMP ASSY,CONE DRIVE,GB,SR60A322-C1	14.68	0.00	0.00	0.00	43.41	
3	ROTARY SOOT BLOWER,ANSALDO	0.00	0.00	18.66	0.00	0.00	
4	ROTARY SOOT BLOWER,ANSALDO	0.00	0.00	0.00	63.19	0.00	
5	GEAR BOX,VERTICAL,90:1,1500RPM	0.00	0.00	0.00	0.00	11.22	
6	YOKE SEAL HOUSING,6038097,BABCOCK&WILCOX	6.97	0.00	7.80	0.00	0.00	
7	YOKE ASSY,4514659,MPS 89G,BABCOCK&WILCOX	0.00	0.00	58.95	0.00	0.00	
8	VALVE ASSY,98B,BHEL,FK4E36	0.00	0.00	52.72	0.00	0.00	
9	LP PISTON ASSLY. DIA 500	0.00	0.00	0.00	5.56	5.56	
10	LP PISTON ASSY CAPT-03	0.00	1.55	1.31	0.00	0.00	
11	COMPLETE ASSY,PETL,GEAR BOX,U1200	0.00	0.00	0.00	0.00	4.61	
12	HE SECTOR PLATE ASSEMBLY FOR PAPH	2.60	0.00	0.00	0.00	0.00	
13	JOURNAL BEARING,01160401000&00	0.00	0.00	16.36	0.00	20.94	
14	IMASO11 ANALOG OUTPUT MODULE	0.00	0.00	0.00	0.11	0.00	
15	REHEATR SPRAY CONTRL GLOBEV/V,CAPITALISD	9.26	0.00	0.00	7.03	0.00	
16	DRAIN PUMP INDURE MODEL : 65Q V-SP ASPH	0.00	2.85	0.00	0.00	0.00	
17	HEAD PULLEY ASSEMBLY(RCF)	0.00	2.13	7.65	3.33	0.00	
18	JTC-12GM:COMP.PUMP ASSY.	0.00	0.00	11.31	13.22	13.21	
19	PROPORTIONAL AMPLIFIER RPV-10 ST-1 HPBP	0.00	0.00	0.00	0.00	0.00	
20	REHEATER SPRAY CONT.VALVEOR41,44,47,50	6.33	0.00	6.33	10.63	0.00	
21	VCB 6.6KV:1600A:ANY MAKE/MODEL	0.00	7.04	0.00	0.00	0.00	
22	RF90TC:COMP ASSY	0.00	164.73	0.00	0.00	0.00	
23	PR TRANS 0-25KG/CM:1/2NPT:24VDC	0.34	0.17	0.00	0.00	0.34	
24	KNF GV:FLNG-A216/WCB:CL-150:NB-200MM	0.00	0.00	0.66	0.00	0.00	
25	DIGTAL O/P CARD,MAXDNA,IOP351,692301351A	0.06	1.05	0.00	1.05	0.00	
26	DIGITAL INPUT 24 DC IOP330 ED69230I330B	9.85	0.15	0.12	0.03	0.00	
27	ANALG O/P CARD,IOP320,692301320A,MAX-DNA	1.45	2.25	0.00	0.00	0.00	
28	ANALOG INPUT MODULE: CPO401 CARD, MAXDNA	1.22	0.00	0.00	0.00	0.00	
29	MAX-DNA ANALOG I/P MODULE: ED69230I301A;	8.03	4.01	0.00	4.01	4.80	
30	VOLTAGE MONITOR -CU7341795905	0.00	0.00	0.00	0.00	0.00	
31	ASH SLURRY PUMP ASSY,D85D	15.38	0.00	0.00	0.00	0.00	

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	Name of Spares	2019-20	2020-21	2021-22	2022-23	2023-24	
32	PUMP ASSY,NV 2400	0.00	0.00	20.77	6.92	0.00	
33	MPS 89G:ROLL WHEEL SEAL AIR ASSY.	15.26	0.00	13.08	9.67	3.22	
34	FORKLIFT,DIESEL,5TON,600MM	0.00	0.00	0.00	0.00	28.63	
35	BATTERY,RECH,240V,1000AH,120	0.00	32.66	0.00	0.00	0.00	
36	AI VOLTAGE INPUT-IOP 305,PN.ED69230S305A	0.06	0.00	0.00	0.00	0.00	
37	PT:CASTRESIN:1-PH:15.75KV/RT(3)110V/RT(3	0.00	0.00	0.00	0.00	1.26	
38	C24TC:COMPLETE ASSY	0.00	0.00	27.87	0.00	16.29	
39	CPU:CONDENSER TUBE(DIA-19MM,THK-1MM)	0.00	0.00	441.74	0.00	0.00	
40	IF COMM MODULE,SPIET800,ABB	0.00	8.61	0.00	0.00	0.00	
41	IMPELLER,TP755126005316,BHEL,200MW	0.00	20.35	40.71	0.00	0.00	
42	VALVE CONE WITH SPINDLE. 01122301000004	8.51	0.00	0.00	0.00	0.00	
43	SA:SPH-ROLLER BEARING:23060:CCK,W33.C3	1.95	0.00	0.00	1.95	0.00	
44	HOT END SECTOR PLATE ASLY,AIR PREHEATER	0.00	0.00	3.87	3.87	5.08	
45	BATTERY,RECH,LEAD ACID,2V,400AH,HARD RBR	0.00	0.00	0.00	0.00	20.48	
46	30TPH:CHAIN 26X100MM	0.00	10.33	0.00	0.00	0.00	
47	FC:FLUIDOMAT:STD/E/03:COMP ASSY	0.00	0.00	1.24	0.00	0.00	
48	3P IM; 415V;110 KW;1475 RPM;TYPE:TFO;	3.49	0.00	0.00	0.00	11.25	
49	LEAK STEAM CONTROL VALVE ACTUATOR ST#2	0.00	0.00	16.49	0.00	0.00	
50	CARTRIDGE ASSY PDHU70 CAPT03	0.00	14.20	0.00	9.53	0.00	
51	COMP ASSY,PEMBRIL,COUPLING,PST-570	0.00	7.58	0.00	9.16	7.58	
52	LINER CONE ASSY,396F,BABCOCK&WILCOX	4.91	0.00	4.91	4.91	4.91	
53	SEAT RING,414F,BABCOCK&WILCOX,BOILER	96.45	0.00	34.04	0.00	0.00	
54	GEAR BOX ASSY.-MODEL:U-600; PREMIUM ENRG	2.65	0.00	0.00	0.00	0.00	
55	COMPRESSOR FOR A.C.PACKAGE TYPE, 10 T	1.53	0.00	0.00	0.00	0.00	
56	IMPELLER FOR SEAL AIR FAN (CAPT/03)	0.00	0.00	0.00	0.00	0.00	
57	IMPELLER & HUB CW,AB39S/600/VIV/8G-GIEM	0.65	0.00	1.94	0.00	0.00	
58	SH SPRAY BYPASS CONTROL V/V PART NO.SD8	0.00	0.00	0.00	3.24	0.00	
59	DRUM EMERGENCY DRAIN ISO VLV,B114	0.00	0.00	0.00	4.52	0.00	
60	CCS GLOBE VALVE 65MMMOTORIESED	0.00	0.00	0.00	5.56	5.55	
61	ATOMISER ASY,7587E318(B&W DWG#US146569D)	12.35	0.00	2.22	0.00	0.00	
62	COMP ASSY,DAVID BROWN,GEAR BOX,H2-280	0.00	0.00	8.11	0.00	14.79	
63	T/C INPUT MODULE,IMASI23,SYMPHONY	0.00	32.81	0.00	39.65	6.17	
64	MAIN DRIVE REDUCER,SCHENCK,FDR,AZ491-886	0.00	10.97	10.97	0.00	0.00	
65	99-TAS-80:COMPLETE SET OF LINERS	0.00	0.00	0.00	0.00	0.00	
66	HYDRAULIC ACTUATOR, ASM 100-10 FOR HPBP	0.00	9.59	6.12	0.00	0.00	
67	IMQRS22 QUICK RESPONSE MODULE	0.00	1.26	0.00	0.00	0.00	

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68	FLEXIBLE RIGID-GEARED COUPLING:FB7-A	0.74	0.00	0.00	0.25	0.74	
69	COMP ASSY,PEMBRIL,COUPLING,26SRC25B	8.08	0.00	21.83	0.00	0.00	
70	RR80101:COMPLETE ASSY	0.00	0.00	0.00	0.00	0.00	
71	COMP ASSY,PREMIUM ENERGY,GEAR BOX,H4-315	0.00	0.00	18.35	0.00	22.80	
72	BELT DRIVE REDUCER	25.03	75.53	50.49	26.90	26.90	
73	ECC PLUG VALVE ASSY,DEZURIK	0.00	21.25	8.63	0.00	0.00	
74	WORM SHAFT+WORM GEAR+LOCK NUTS XRP-803	0.00	69.48	22.80	19.76	0.00	
75	BULL RING SEGMENTS ASSEMBLY,MILL XRP1003	6.03	8.45	6.34	9.95	3.92	
76	MAIN VERTICAL SHAFT OF BOWL MILL	0.00	0.00	13.84	26.93	0.00	
77	COMPLETE ASSEMBLY FOR SILO VENT FAN	0.00	0.00	0.00	2.04	0.00	
78	DUAL LOAD CELLS WITH WEIGH SUSPENSION	0.00	0.00	4.43	0.00	0.00	
79	BOWL HUB	0.00	0.00	0.00	8.45	0.00	
80	WORM GEAR HUB	0.00	0.00	3.80	0.00	0.00	
81	COMP ASSY,PEMBRIL,COUPLING,18SCR25B	18.87	0.00	0.00	0.00	14.93	
82	PUMP ASSY,10/8-FFAH	6.83	0.00	17.75	9.21	0.00	
83	WEAR PART BULLRING,XRP-803	12.14	18.61	14.29	8.50	15.79	
84	GRINDING ROLL FOR XRP 1003	37.49	34.60	25.95	34.60	17.00	
85	INNER CONE DRUM,XRP-803	0.00	0.00	0.00	0.00	0.00	
86	DRIVE GEAR BOX ASSY,AZ3291-3	0.00	80.66	16.68	0.00	16.68	
87	ROTOR ASSY,BHEL,PUMP,FA1B75	9.89	0.00	0.00	0.00	0.00	
88	ACB,4000A,3P,60KA,CATEGORY-B, 220VDC	3.27	0.00	3.27	0.00	3.28	
89	ROTOR ASSY,C05-000138&17,KOOPERS,915A	0.00	154.77	0.00	0.00	0.00	
90	RKB50/20:COMPLETE ASSY-12ST	0.00	0.00	4.69	4.92	0.00	
91	RKB50/20:COMPLETE ASSY-9ST	0.00	0.00	0.00	3.23	0.00	
92	CONTROLLER,STOCK,GRAVIMETRIC FEEDER,DT-9	429.17	0.00	0.00	0.00	0.00	
93	BEARING 23072 CCK/C3/W33	2.39	0.00	2.39	0.00	0.00	
94	ID FAN SCOOP ACTUATOR	29.02	0.00	0.00	0.00	0.00	
95	GB:GR-113.006:1:COMP ASSY:	8.09	0.00	0.00	0.00	8.09	
96	COMB JRN&TH BRG,DR01170302000C/00,D380	0.00	0.00	30.72	0.00	0.00	
97	EXCITER SEAL RING,11393501003,500MW	2.40	1.20	1.30	1.30	0.00	
98	T-END SEAL RING,11393501003 VAR001,500MW	2.60	0.00	1.30	0.00	1.30	
99	NUMERICAL FEEDER PROTECTION RELAY 1A	13.99	0.00	0.00	0.00	0.00	
100	JOURNAL BRG ASSY,D500X450,01181402000/0	28.85	0.00	20.77	0.00	0.00	
101	REAR BEARING D75 DRG:01160501000/	0.31	0.00	0.00	0.00	0.00	
102	K1401-2:FRONT JOURNAL BEARING	0.00	0.00	0.00	0.00	4.36	
103	BLADE DRG.NO-KKK16201260034(1) (ANSALDO)	42.11	0.00	0.00	0.00	0.00	

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104	COMPENSATOR DN600 DRG:01074302000/039	0.00	0.00	0.00	0.00	4.46	
105	GEAR BOX,FLENDER,SZN500S,16:1	0.00	0.00	0.00	59.46	0.00	
106	FLEXIBLE FORGED-R GEAR COPLNG:FB8 TYPE-A	0.63	0.95	0.32	0.32	0.63	
107	FLEXIBLE RIGID GEAR COUPLING:FB9 TYPE-A	1.25	0.41	0.00	0.00	0.41	
108	CARTRIDGE ASSY,F/HFO PUMP	0.00	14.32	7.16	0.00	14.31	
109	COUPLING BOLT M64 DRG 01180102500C/038	1.32	0.00	0.00	0.00	0.00	
110	ASSY,ELECON,GEAR BOX,NK-KCU180/H,83.33:1	0.00	0.00	0.00	0.00	12.83	
111	OVER LOAD THERMAL RELAY	0.00	0.00	3.16	0.00	0.00	
112	CRANK SHAFT FOR T-BTD-J2M HP COMPRESSOR	3.54	0.00	0.00	0.00	0.00	
113	PAPH CE SECTR PLATE ASSLY FOR 27VI	2.78	0.00	0.00	0.00	0.00	
114	COMPLETE ASSY,GR 123.2:1,W10D2505123	0.00	11.54	11.54	23.07	0.00	
115	SHAFT ASSY,8000038,BABCOCK&WILCOX,BOILER	0.00	0.00	0.00	46.94	23.47	
116	MOTOR,COMPD WOUND,2900RPM,60KW,CROMPTON	0.00	0.00	0.00	0.00	6.19	
117	LA(T)BATTR:800AH:H:02V CELL	1.33	0.00	31.83	0.00	0.00	
118	PROCESS CONTROLLER: BRC400; ABB	26.16	29.74	56.85	65.48	16.37	
119	MILL BOTTOM	0.00	3.51	0.00	0.00	0.00	
120	ABT ENERGY METER WITH CT/PT-5A/110V,220V	0.00	0.00	1.88	0.00	0.00	
121	BOWL,HY611803003001M,BHEL	0.00	0.00	7.85	14.13	0.00	
122	FRONT BEARING D72 DRG:01160501000/38	0.00	0.29	0.29	0.00	0.00	
123	FC:FLUIDOMAT:T12/11:COMP ASSY	3.27	0.00	0.00	0.00	0.00	
124	SHAFT DRG:01160501000/01	0.00	0.00	0.00	0.60	0.00	
125	TAIL PULLEY ENCODER: DSP-700IS 1000 PPR	2.83	0.00	0.00	0.00	0.00	
126	MOTOR ENCODER/RING TACHOMETER; MERRICK	0.66	0.00	0.66	0.00	0.00	
127	VALVE CONE,01132001000/2,BHEL	23.11	0.00	0.00	0.00	19.27	
128	CIRCUIT BREAKER,VACUUM,33KV,1250A,50HZ	0.00	37.04	0.00	0.00	0.00	
129	COMP ASSY,PREMIUM ENERGY,GEAR BOX,H1-225	15.28	0.00	23.32	8.71	9.33	
130	FC:FLUIDOMAT:STD/E/04:COMP ASSY	0.00	0.00	0.67	0.00	0.00	
131	COMP.,SCREW CHILLER(30H*C260A) FOR ACS	0.00	0.00	0.00	33.26	0.00	
132	RELAY PANEL	0.00	1.57	0.00	0.00	0.00	
133	JTC-12GM:BOWL ASSLY	0.00	7.71	0.00	9.10	0.00	
134	PUMP ASSY,KPD 200/46	0.00	6.24	0.00	7.60	0.00	
135	VALVE SPINDLE,0-11202-02000C/13,BHEL	0.00	0.00	0.00	0.00	8.09	
136	OIL COOLER ASSY.	0.00	0.00	2.22	0.00	0.00	
137	LP CONTROL VALVE,03052700007,K1401-2	0.00	0.00	0.00	0.00	45.91	
138	IS:12405:FLEX-GEAR COUPLING:FB11 TYPE-A	0.99	0.00	0.00	0.00	0.00	
139	COMP ASSY,PEMBRIL,COUPLING,41SCR24X	0.00	0.00	26.67	51.67	0.00	

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140	ANALOG ISO.I/P MODULE: ED69230I301B;BHEL	0.16	0.32	0.10	0.10	0.64	
141	MAX DNA PROCESSOR MODULE: PDP401 DPU 4F	0.00	0.10	0.00	0.00	0.00	
142	SECONDARY PROCESSOR,ED69230D403B	0.03	13.09	25.99	0.00	0.00	
143	PRIMARY PROCESSOR,ED69230D408B,MAX-DNA	0.00	13.61	0.00	0.00	0.00	
144	RECTIFIER MODULE: R24-2200; CHHABI	0.00	0.33	0.00	0.22	0.00	
145	COMP ASSY,ALLENBERRY,GEAR BOX,CSB-450	10.47	0.00	0.00	0.00	0.00	
146	BOWL,1200101-01NO 2,BHR-70	0.00	0.00	0.00	14.13	0.00	
147	GEAR BOX ASSY,SHANTHI,BOILER,XRP-1003	6.05	0.00	0.00	0.00	0.00	
148	450MM(FIG950):COMPLETE ASSY.:	0.00	0.00	2.16	2.16	0.00	
149	EXCHANGABLE VANES -OGV OF ID FAN	0.00	0.00	1.81	0.00	0.00	
150	CISCO WS 2960 SWITCH	0.00	0.00	0.00	0.00	0.07	
151	SAC ARM COUPLER ASSY,6.1,L&T,20W/H	0.00	30.05	0.00	0.00	30.05	
152	REGULATING RING ASY.-ID FAN IGV ASY	0.00	0.00	0.00	1.83	0.00	
153	I/H CONVERTOR: DSG-B07112; VOITH TURBO	6.04	0.00	0.00	0.00	12.08	
154	FILTER M/C	0.00	0.00	3.61	0.00	0.00	
155	RELAY MEMORY SIS-10 FOR ST-1 HPBP	0.00	0.00	0.00	0.00	0.00	
156	COMP ASSY,FLUIDOMAT,COUPLING,T-12/13	0.00	0.00	0.00	0.00	8.33	
157	BOWL ASSY,BHR-35/18 DEG	0.00	0.00	0.00	12.37	0.00	
158	BLADE FOR AP1-26/16	0.00	0.00	0.00	102.03	0.00	
159	GM16TC:COMP ASSLY	0.00	0.00	0.00	7.21	0.00	
160	PUMP ASSY,WARMAN,14/12STAH	0.00	0.00	43.31	37.50	0.00	
161	WALL BLOWER COMPLETE BLOWER	0.00	0.00	0.00	15.86	0.00	
162	CENTRIFUGE ASSY,ALFA LAVAL,MAB 206	47.83	0.00	0.00	0.00	35.00	
163	RELAY,NUM MULTIFUNCTION,110VAC,5A	89.47	0.00	0.00	0.00	0.00	
164	RELAY,NUMERIC,5A,GENERATOR PROTECTION	25.93	0.00	0.00	0.00	0.00	
165	310 DIA HP CYLINDER CAPT-03	1.47	0.00	0.00	0.00	0.00	
166	NUMERICAL RELAY: FOR LT MOTOR PROTECTION	6.99	0.00	0.00	0.00	0.00	
167	ANGLE VALVE BP-101,102,MS-101,102,105,10	7.15	0.00	0.00	0.00	2.38	
168	GRINDING TIRE,6046005,BABCOCK&WILCOX	270.64	219.44	133.49	165.77	128.89	
169	ACTUATOR COMPLETE LIMITORQUE	0.77	0.00	0.00	0.00	0.00	
170	TANDEM PUMP,51654467&67,L&T,20W/H	30.16	0.00	0.00	0.00	30.16	
171	GEAR BOX,2 STAGE HELICAL,MAMC,IMA320BM	11.96	0.00	0.00	0.00	0.00	
172	EJECTOR FOR SBA NO.1196 RATIO 1:1	0.08	0.00	0.00	0.00	0.00	
173	MOTOR,SGL SQ CAGE IND,6.6KV,B3,450KW	30.75	0.00	0.00	0.00	47.23	
174	SELF PROPELLED ART.BOOMLIFT	41.61	0.00	0.00	0.00	0.00	
175	COMP ASSY,ELECON,KCH250,18:1	21.01	0.00	0.00	0.00	38.94	

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176	DELETED DOOR HINGE BUTT END(MOIDIFIED)	0.00	0.00	0.00	0.00	0.00	
177	1 OUT OF 2 SELECTOR MAM-10 ST-1 HPBP	0.00	0.00	0.00	0.00	0.00	
178	IMFEC12-1 FAST RESPONSE AI MODULE	1.26	0.00	0.00	0.00	0.00	
179	MUX BOX,INSTROTECH,LEAK DETECTOR	21.58	0.00	0.00	22.48	22.48	
180	TRANSMTR:ELECT:SMART:0-16KG/CM2	0.17	0.17	0.00	0.00	0.00	
181	TKK48X103:CAGE FRAME	0.00	0.00	0.00	0.00	0.00	
182	BEARING,ROLLER,SPHERICAL,294/500	11.14	0.00	0.00	0.00	0.00	
183	SUPPORT BEARING,SAPH	31.39	0.00	0.00	0.00	0.00	
184	MOTOR,SGL SQ CAGE IND,6.6KV,4P,V19,380KW	241.42	0.00	0.00	0.00	0.00	
185	COMP ASSY,PREMIUM ENERGY,GEAR BOX,H1-200	5.40	0.00	13.10	0.00	0.00	
186	RF24TC:COMP ASSY	7.64	0.00	8.79	0.00	0.00	
187	HMI WORKSTATION,MAX-DNA BHEL	290.03	13.05	0.00	26.09	43.99	
188	COAL NOZZLE FOR COAL COMPARTMENT ASSY	15.24	0.00	0.00	0.00	0.00	
189	COMPLETE ACT ASMBLY,AUMA,SAR6E16	1.86	0.00	0.00	0.00	0.00	
190	ECONOMIZER UPPER COIL ASSY(ECU-03)	9.92	0.00	0.00	0.00	9.92	
191	2.3 KV THYRISTER BRIGGE LEG FOR VFD	9.87	0.00	0.00	0.00	0.00	
192	2.3 KV THRISTOR BRIDGE FOR VFD SYSTEM	9.87	0.00	0.00	0.00	0.00	
193	HRH STEAM STRAINER,11314476000&00	20.23	0.00	0.00	0.00	0.00	
194	DRUM SAFETY VALVE ASSY,1750WB	8.13	0.00	0.00	0.00	8.93	
195	BAFFLE RING ASSEMBLY	245.66	0.00	245.66	0.00	0.00	
196	STEAM,11314350001/0	8.84	0.00	0.00	0.00	0.00	
197	150A AC SYNCHRONOUS FIELD EXCITER	5.06	0.00	0.00	0.00	0.00	
198	MULTIPLE PORT ASSY,BHEL,BOILER,XRP-1003	17.28	0.00	17.28	54.05	34.00	
199	FEED CONTROL VALVE,10, FDV 14	13.27	0.00	0.00	0.00	0.00	
200	MS STRAINER ELEMENT,11314376000&2	18.59	0.00	0.00	0.00	0.00	
201	DAVR:TY DC TDR DUL 0-40V,4-20MA,230VAC	0.23	0.00	0.00	0.00	0.00	
202	DAVR:TY DC TDR DUL 0-60MV,4-20MA,220VAC	0.40	0.00	0.00	0.00	0.00	
203	DAVR:TY DC TDR 300VDC,4-20MA DUAL,220VAC	0.23	0.00	0.00	0.00	0.00	
204	DAVR:R2 PF TDR 110VAC,1A,OP 4-20MA	0.42	0.00	0.00	0.00	0.00	
205	DAVR:R2 UN0661 AV1	2.60	0.00	0.00	0.00	0.00	
206	DAVR:R2 TDR ACT PWR,110V,1A,OP 4-20MA	0.42	0.00	0.00	0.00	0.00	
207	DAVR:R2 TDR RET. PWR 110V,1A,OP 4,12,20M	0.42	0.00	0.00	0.00	0.00	
208	DAVR:R2 DC 0-10V, 4-20MAMP, 240VAC,	0.41	0.00	0.00	0.00	0.00	
209	DAVR:R2 DC (-)15V +15V, 4-20MAMP, 240VAC	0.40	0.00	0.00	0.00	0.00	
210	ELECTRO RELIEF VALVE,BHEL,1525-VX-3	14.53	0.00	0.00	0.00	0.00	
211	HMPG MICRO PROCESSOR CPU BOARD FOR VFD	2.06	0.00	0.00	0.00	0.00	

Sl No	Details of Capital Spares and Expenses						Reasons For Capital Spare Consumption
	Name of Spares	2019-20	2020-21	2021-22	2022-23	2023-24	
212	DMPB AUX BOARD FOR HMPG CARD FOR VFD	0.71	0.00	0.00	0.00	0.00	
213	TE-13:DRIVEN SHAFT	2.58	0.00	0.00	0.00	0.00	
214	MULTILAYERED NMEJ FABRIC -- 650MM	0.00	0.00	0.00	0.00	0.00	
215	LPBP STOP V/V-ST OF INTERNAL EXCEPT BODY	109.29	0.00	0.00	0.00	0.00	
216	SHAFT EMERGENCY GOVERNER 01162705000/01	0.00	0.00	0.00	0.00	0.00	
217	CT ANALYZER,230VAC,0-500MA,0.5-20OHM	14.83	0.00	0.00	0.00	0.00	
218	STUD M52x220-20x185 DRG:01050210010/03	0.24	0.00	0.00	0.00	0.00	
219	ELECTRO HYDRAULIC ACTUATOR LEAK STEAM	3.12	0.00	0.00	0.00	3.12	
220	HYDRAULIC MOTOR,MS83,L&T,20W/H	102.36	0.00	0.00	0.00	170.60	
221	DISPLACEMENT PUMP,51654450&36,L&T,20W/H	19.06	0.00	0.00	0.00	0.00	
222	HYDRAULIC MOTOR,MS83,L&T,20W/H	35.84	0.00	0.00	0.00	35.84	
223	COMPLETE GEAR BOX:SNSM-7 MAKE:SHANTI	0.46	0.00	0.00	0.00	0.00	
224	L&T-20W/H:MS83 BRAKE ASSEMBLY	0.00	0.00	0.00	0.00	0.00	
225	PT:21KV/SQRT3/110V/SQRT3,100VA,CL:0.2/3P	0.84	0.00	0.00	0.00	1.26	
226	PRIM PROCESS MODULE,ED69230D401B,DCS	22.85	12.99	25.99	0.00	0.00	
227	VAL MAINFOLD :VAL AMDAA ED69229S907A	3.06	0.03	0.00	0.00	0.06	
228	VALVE POSN MODULE MAX DNA ED69229S907A	3.38	3.38	0.00	0.00	0.00	
229	DELETEDTAKE-UP PULLEY,RECL 3&4 BOOM CONV	2.41	0.00	0.00	0.00	0.00	
230	POWER SUPPLY UNIT,PSU 24VDC/5/D,ABB	47.72	0.00	0.00	0.00	0.00	
231	STARTER ASSEMBLY OF DIESEL ENGINE-TBD3V6	0.08	0.00	0.00	0.00	0.00	
232	FLAP GATE- 41 TO 54 & 68,69	3.57	0.00	0.00	0.00	0.00	
233	FLAP GATE- 64,65,66,F2/CHP/A3/02970-71.	0.43	0.00	0.00	0.00	0.00	
234	FLAP GATE-30 & 31,F2/CHP/A3/02929.	0.46	0.00	0.00	0.00	0.00	
235	1190X1062:FLAP GATE COMPLETE	3.29	0.00	0.00	0.00	0.00	
236	1490X1009:FLAP GATE COMPLETE	6.59	0.00	0.00	0.00	0.00	
237	990X1125:FLAP GATE COMPLETE	3.29	0.00	0.00	0.00	0.00	
238	CHECK V/V:IS:5312-FG 220:PN1:NB-500MM	0.01	0.00	0.00	0.00	0.00	
239	PIN RACK BAR,BHEL	14.68	0.00	0.00	0.00	14.67	
240	GEAR CUPLNG,GC-10-14-16,PILOT BORE 140MM	0.43	0.00	0.00	0.85	0.00	
241	OPI HV BUSHING,TOSHIBA,XFMR	7.87	0.00	0.00	0.00	0.00	
242	DLWSPR:ASSLY.CYL HEAD 251 PLUS	1.33	1.99	0.00	7.30	0.00	
243	MOTOR,SGL SQ CAGE IND,6.6KV,3PH,T5450,4P	13.35	0.00	0.00	0.00	0.00	
244	HEAD PULLEY ASSEMBLY FOR STOCK FEEDER ST	7.75	15.50	0.00	0.00	15.50	
245	COMP ASSY,MAMC,GEAR BOX,IMK250DS,400:1	4.66	0.00	0.00	0.00	0.00	
246	INTEGRATION AMPLIFIER RIV-10 ST-1 HPBP	0.00	0.00	0.00	0.00	0.00	
247	CFS LIGHTER ASSY,7587G100	27.19	0.00	0.00	27.19	0.00	

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	Name of Spares	2019-20	2020-21	2021-22	2022-23	2023-24	
248	CFS LIGHTER ASSY,7587G100 (CAP/03)	27.19	27.19	32.59	0.00	0.00	
249	CONDUCTIVITY METER,THORNTON,DCC1000	32.91	0.00	0.00	0.00	0.00	
250	COLD END SECTOR PLATE ASSLY FOR SAPH	1.91	0.00	0.00	0.00	0.00	
251	POWER UNIT,VOITH,KE-3(MO53-MO63)	9.27	0.00	0.00	9.52	0.00	
252	ACTUATOR,ELE,PART-TURN,220V,100NM	6.94	0.00	0.00	0.00	0.00	
253	COMPENSATORASSY DN500X10 11077002100/010	1.41	1.41	0.00	0.00	0.00	
254	COMP.ASSY.FOR EXT.3,DN500X6;L1=268	1.16	0.00	0.00	0.00	0.00	
255	LANCE TUBE JET,L4AJ1E0925	32.72	0.00	0.00	0.00	117.20	
256	GB:PET:H1-160:COMP ASSY	4.16	0.00	0.00	0.00	0.00	
257	COMPLETE ACTUATOR LEAK/SEAL STEAM ACT	15.33	0.00	15.33	15.33	0.00	
258	AKCAA-COLLINS TRANSMTR.MDL: ED69229S905A	1.08	1.19	0.00	0.00	0.00	
259	LIMIT VALVE MONITOR GS11	0.00	0.00	0.00	0.00	0.00	
260	SHAFT&BRG ASSY,0-55-335-00374,SKF/FAG	13.13	0.00	0.00	0.00	49.35	
261	PHE ASSY,A45-FG,ALFA LAVAL	83.58	0.00	0.00	0.00	0.00	
262	REGISTER ASSY,ANSALDO	19.55	0.00	0.00	0.00	0.00	
263	WATER INJ VALVE ASSY,01232001000/0,BHEL	42.99	0.00	0.00	0.00	0.00	
264	GB:GR-135.631:1:COMP ASSY:	10.67	0.00	0.00	0.00	0.00	
265	TERMIN BUSH,1139080100000000,W/COVER FLG	28.92	0.00	0.00	0.00	0.00	
266	POWER ELEC MODULE,ABB,TURBINE	21.35	0.00	0.00	0.00	0.00	
267	MDL CE69202ASYNA 7VE2146-1, ED740400125	18.00	0.00	25.39	0.00	0.00	
268	MEASUREMENT UNIT,CE6910,SIEMENS	14.37	28.74	0.00	28.74	34.94	
269	EXCITER:COUPLING BOLT,DRG#11430901004C/1	0.11	0.00	0.00	0.00	0.00	
270	AUMA ACTUATOR-SA100AB32/32RPM	3.45	0.00	0.00	0.00	0.00	
271	COMPLETE ACT ASMBLY,AUMA,SA100A90	6.59	6.59	21.98	30.77	0.00	
272	RH SPRAY BLCK V/V CMPLT ASSY R40,43.,49	4.11	0.00	0.00	4.19	0.00	
273	MOTOR,SGL SQ CAGE IND,6.6KV,71A,6P	33.13	0.00	33.13	0.00	0.00	
274	PUMP CARTRIDGE,ALLWEILER,PUMP	7.14	0.00	0.00	0.00	0.00	
275	PUMP CARTRIDGE,ALLWEILER,PUMP	6.80	0.00	0.00	0.00	0.00	
276	GEAR BOX ASSY,BHEL,BOILER,XRP-1003	92.60	0.00	0.00	0.00	0.00	
277	HYDRAULIC POWER UNIT,3017548,BOILER	25.54	0.00	0.00	0.00	26.47	
278	MOTOR,DC,180V,0.63/0.53A,CONT,C FACE FLG	9.28	0.00	0.00	0.00	0.00	
279	MAXBOP PR.TRANSMITTER EJA430AEAS4A62EC	2.41	0.00	0.00	0.00	0.00	
280	LANCE ASSY,84 2..800	0.00	0.00	0.00	0.00	0.00	
281	CPU MODULE: IC695CPU315; GE FANUAC	0.00	0.00	0.00	0.00	0.00	
282	BUS EXTENDR.MODULE: ED69230I371A;MAX-DNA	1.38	3.74	0.10	0.00	0.00	
283	BOWL ASSY WORTHINGTON-WPIL TAF 2172-74	3.58	0.00	0.00	0.00	0.00	

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284	FLEX- COUPLING:F-GEARED:FB12 TYPE-A	1.29	1.32	1.29	0.00	1.32	
285	DELETEDGEAR BOX NK-KCU-200H,ST-II RECL T	0.00	0.00	0.00	0.00	0.00	
286	VCB:6.6KV:1250A:ANY STD MAKE/MODEL	15.34	49.10	27.62	0.00	0.00	
287	VAC.CKT.BRKR: 6.6KV,2500A, ANY STD MAKE	8.40	45.86	20.92	0.00	0.00	
288	REGISTER ASSY,75..03/3,ANSALDO	0.00	0.00	0.00	0.00	0.00	
289	REAR COIL ASSY,0-00-027-40619 REV +,BHEL	218.76	223.66	229.70	0.00	0.00	
290	ECONOMISER-I COIL OF 210MW BOILER	30.05	18.89	20.23	25.96	4.05	
291	3 PH 160KW 415V,1480 RPM ,B3,315L,S1	2.13	0.00	0.00	6.37	0.00	
292	VALVE SPINDLE,01132201000/8,BHEL	2.65	0.00	2.65	0.00	0.00	
293	U-SEALING RING,01050101000/08,BHEL	42.38	0.00	0.00	0.00	0.00	
294	COUPLING BOLT M64 DRG:01180101000/1	3.88	0.00	0.00	0.00	0.00	
295	INLET GUIDE VANE,TP755126016105,BHEL	46.75	46.75	0.00	0.00	0.00	
296	VALVE CONE,01230101000/44,BHEL	16.63	0.00	0.00	0.00	0.00	
297	SEALING RING,01122301000/07,BHEL	24.47	0.00	0.00	0.00	0.00	
298	COMPENSATOR ASSLY.DN-500X8	0.71	0.00	0.00	0.00	0.00	
299	CPHM150/32N:COMPLETE ASSY	1.94	2.47	2.86	0.00	0.00	
300	COMP ASSY,DAVID BROWN,GEAR BOX,H2-250	6.36	0.00	0.00	0.00	0.00	
301	BRG HOUSING FOR TRUFLO GRIZZLY FEEDER	2.13	0.00	0.00	0.00	0.00	
302	ELECTRICAL ACTUATORS COMPLETE ACTUATOR	44.95	0.00	22.48	0.00	0.00	
303	PINION&SHAFT,4638028,BABCOCK&WILCOX	8.36	0.00	0.00	16.71	26.96	
304	BEND TUBE SET,WATER WALL,A210-A1/C	0.00	0.00	0.00	0.00	0.00	
305	MPS 89G:PINION AND SHAFT 2NDT INT.	0.00	0.00	8.97	8.97	0.00	
306	BATTERY,RECH,LEAD ACID,2V,800AH,HARD RBR	33.16	0.00	0.00	0.00	0.00	
307	PUMP WARMAN 8/6 EAH	7.26	0.00	0.00	7.48	13.20	
308	WALL DESLAGGER ASSY WTH VALVE HEAD,400CL	0.00	0.00	0.00	0.00	0.00	
309	ROTARY GEAR BOX ASSY,TP72020120	0.00	0.00	0.00	0.00	0.00	
310	SHAFT,5613500587	23.26	0.00	0.00	0.00	0.00	
311	SEALING RING (IN 6 SEGMT)01060601000/01	4.21	0.00	0.00	0.00	0.00	
312	MOVING BLADE LP3R DRG:01030705000/06	215.85	79.84	0.00	0.00	0.00	
313	SH SPRING LOADED SAFTEY VV 1740WD	0.00	0.00	0.00	0.00	0.00	
314	FK4E36:MECHANICAL SEAL (DE)	2.36	0.00	0.00	0.00	0.00	
315	TRACTION MOTOR,12080299,DLW	33.73	0.00	0.00	0.00	0.00	
316	MOTOR,SGL SQ CAGE IND,6.6KV,3PH	11.24	0.00	0.00	0.00	0.00	
317	SERVO MOTOR,TP75521431106,BHEL,2X110MW	17.49	0.00	0.00	0.00	0.00	
318	IMPELLER HUB,0-55-214-00597&5,BHEL	25.71	0.00	0.00	0.00	0.00	
319	IMPELLER BLADE,TP971607240000,BHEL	21.75	18.12	0.00	0.00	0.00	

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320	HYD SERVO MOTOR,BOILER,500MW	40.65	0.00	0.00	0.00	0.00	
321	U-SEALING RING,11051409000/7,BHEL	19.81	0.00	0.00	0.00	0.00	
322	FLUID COUPLING#FCU-23 COMP ASSY PEMBRIL	1.30	0.00	1.30	0.00	0.00	
323	SERVO MOTOR ASSY,0552160040903	44.46	0.00	0.00	0.00	0.00	
324	SHAFT,0-55-216-00447,BHEL	15.70	0.00	0.00	0.00	0.00	
325	BOWL ASSY,M&P,VMF 16	0.00	11.56	0.00	0.00	9.37	
326	LV BUSHING,BHEL,XFMR,200MVA,420/21KV	0.00	9.89	0.00	2.67	0.00	
327	COUPLING MODEL:RG08 COMP ASSY MAKE:GBM	0.00	0.63	0.00	0.00	0.00	
328	GB:MAMC:IMK250C:COMP ASSY	0.00	9.15	0.00	0.00	0.00	
329	COMP ASSY,PEMBRIL,COUPLING,FCU-32	0.00	6.89	0.00	0.00	6.89	
330	SERVO MOTOR ASSY,9,BHEL,BOILER,500MW	0.00	23.01	0.00	0.00	0.00	
331	PILOT VALVE DRG:01142201000/10	0.00	2.70	0.00	0.00	0.00	
332	ELECT.ACTUATOR - TYPE: SA3.5A16, AUMA	0.00	2.01	0.00	0.00	0.00	
333	COMP ASSY,ALLENBERRY,GEAR BOX,CKC-500	0.00	20.24	0.00	0.00	0.00	
334	DP REGULATING VALVE,9149320100100009	0.00	57.90	0.00	0.00	0.00	
335	GEAR COUPLING-ED3200 COMPLETE UNIT	0.00	0.95	0.00	0.00	0.00	
336	EHC POSITION CONTROLR:VT17399-13,REXROTH	0.00	2.86	0.00	0.00	0.00	
337	TURBOCHARGER ASSY,10080193,DLW	0.00	43.62	0.00	0.00	0.00	
338	RELAY,NUM DISTANCE PROT,1A,110VAC	0.00	6.70	0.00	0.00	0.00	
339	TRANSMISSION ASSY,125TMB0029,BEML,DOZER	0.00	31.22	0.00	0.00	0.00	
340	DP REGULATING VALVE,9149320100100008	0.00	13.02	0.00	0.00	0.00	
341	WALL BLOWER ASSY,IR2F,39..41(CAPITALISD)	0.00	0.00	0.00	0.00	0.00	
342	PRIM PROCESS MODULE,ED69230D406B,BHEL	0.00	14.93	0.06	0.00	0.00	
343	ACTUATOR,ELE,SAR100E45,AUMA	0.00	7.57	0.00	0.00	0.00	
344	GATE VALVE SIZE:450NB	0.00	0.00	0.00	0.00	0.00	
345	SD20CHE:LOW TEMP. HEAT EXCHANGER	0.00	2.78	0.00	0.00	0.00	
346	WHEAXL:WHEEL & AXLE ASSY WITH BRG 915MM	0.00	5.71	0.00	0.00	0.00	
347	MATL-14E02:DRIVE END SHAFT	0.00	0.00	0.00	0.00	0.00	
348	deletedG/B KZA-160,FLENDER,ST-I STKR B/C	0.00	0.00	0.00	0.00	0.00	
349	DEGASSER WATER PUMP P7(CAPITALISED)	0.00	1.33	0.00	2.58	0.00	
350	GATE VALVE 150NB FCS/A105/C1500SPL.	0.00	7.15	0.00	0.00	0.00	
351	MOTOR,SGL SQ CAGE IND,6.6KV,28.7A,B3	0.00	29.17	0.00	0.00	0.00	
352	XFMR,EXCITATION,2500KVA,3PH,DYN5,AN	0.00	40.29	0.00	0.00	0.00	
353	COMPLETE GEAR BOX TYPE H1-140	0.00	5.01	0.00	2.51	0.00	
354	HV BUSHING,BHEL,XFMR,100MVA,400/33KV	0.00	7.91	0.00	0.00	7.91	
355	LOGIC BOARD PT:10221021031	0.00	0.04	0.00	0.00	0.00	

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356	HV-INTER FACE BOARD PT;100208011021	0.00	0.04	0.00	0.00	0.00	
357	OPERATOR LOGIC BOARD PT:100215021031	0.00	0.04	0.00	0.00	0.00	
358	HOIST,ELECT OPER MONORAIL,7.5TON,4M/MIN	0.00	9.39	0.00	0.00	0.00	
359	IMPELLER FOR CEP (CAPT/03)	0.00	9.32	0.00	0.00	0.00	
360	BEARING,9139010100000,BHEL	0.00	35.70	0.00	0.00	0.00	
361	SERVER,POWEREDGE-1800,DELL	0.00	20.68	0.00	0.00	0.00	
362	WHEEL,6045995,BABCOCK&WILCOX,BOILER	0.00	69.28	20.53	20.56	0.00	
363	PHASE MARKER CUM COMMUNICN.CARD VM 741	0.00	0.18	0.00	0.00	0.50	
364	POWER SUPPLY CARD VM 751 OF SHINKAWA	0.00	2.74	0.00	0.00	0.00	
365	COMP ASSY,SHANTHI,GEAR BOX,BTN-280-SPL-6	0.00	8.63	0.00	0.00	3.50	
366	PRE HOISTING GEAR,10.4.01.21,MW CONVEYOR	0.00	41.00	0.00	0.00	0.00	
367	PLUG,A3,DEZURIK,PEC-ECC	0.00	12.53	6.46	0.00	0.00	
368	BODY,A1,DEZURIK,PEC-ECC	0.00	8.27	8.52	0.00	0.00	
369	COMPENSATOR ASSY DN500X8 11077002100/009	0.00	1.61	0.00	1.61	0.00	
370	SEALING RING (FOR HP INLET ASSY)	0.00	23.66	0.00	0.00	0.00	
371	UP150:COMPLETE PUMP	0.00	3.63	0.00	0.00	0.00	
372	INTER AIR COMPARTMENT CAPT03 TP74..9300	0.00	0.00	0.00	0.00	0.00	
373	SEALING RING UNMACHINED,01051402000/4	0.00	11.51	0.00	0.00	22.32	
374	CIRCUIT BREAKER,VACUUM,33KV,2500A	0.00	31.06	0.00	0.00	0.00	
375	SMART PR TX RANGE 0-60 KG/CM2	0.00	0.17	0.00	0.00	0.00	
376	SMART PRESSURE TRANSMITTER 0-10KG/CM2	0.00	0.33	0.17	0.00	0.34	
377	DAVR:R2 FAN RACK ASSY PS/408/090	0.00	0.28	0.00	0.00	0.00	
378	THYRISTOR ASSY,MDL CE 68912 JBC 001,BHEL	0.00	85.32	0.00	0.00	0.00	
379	JOURNAL BRG.HALF:NDE#75-WEIR BFP-FK4E36	0.00	0.54	0.00	0.00	0.00	
380	20W/H:HYDRAULIC CYLINDER (COMPLETE ASSY.	0.00	3.28	0.00	5.19	0.00	
381	ELECT.ACTUATOR-MODEL: SA100A45; AUMA	0.00	1.91	0.00	0.00	0.00	
382	PLATE STACK,21,DRESSER MASONEILAN	0.00	12.29	0.00	12.29	0.00	
383	STATOR WINDING BAR(LOWER) 1-5540-083-2	0.00	8.35	0.00	0.00	0.00	
384	WALL BLOWER ASSY:	0.00	1.80	0.00	12.60	0.00	
385	WINDING BAR LOWER,0000567026900002,BHEL	0.00	5.50	0.00	0.00	0.00	
386	BRG SHELL ASSY(TE),9-139-12-01014&007	0.00	21.25	0.00	0.00	0.00	
387	IMPELLER,01160501000/71,BHEL	0.00	20.24	0.00	0.00	20.24	
388	UNITY CPU MODULE: 140CPU67160; SHNEIDER	0.00	70.19	0.00	0.00	0.00	
389	MINI PLC,IC693PCM301,GE FANUC	0.00	104.41	0.00	0.00	0.00	
390	COUPLING BOLT M56X270,DR:01170102400C/38	0.00	5.35	0.00	0.00	0.00	
391	JOURNAL BEARING,01181801000/0	0.00	27.36	0.00	0.00	0.00	

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392	PIN RACK BAR ASSY. WITH SETTING FIXTURE	0.00	2.94	0.00	0.00	0.00	
393	JOURNAL BEARING,01181401000C,D400	0.00	21.25	0.00	0.00	0.00	
394	STATOR WINDING BAR,567026900003	0.00	55.01	0.00	0.00	0.00	
395	RTD:DUPLEX RTDPT 100 L 150MM	0.00	0.06	0.00	0.00	0.00	
396	VALVE POSITION MODULE -ED69229S907A	0.00	0.24	0.00	0.00	0.00	
397	POSN CONTROL MODULE-MAX DNA ED69229S904A	0.00	0.48	0.00	0.00	0.00	
398	ON LINE SILICA ANALYZER, HACH MAKE	0.00	5.74	0.00	0.00	0.00	
399	DP TRANSMITTER RANGE:- 0-5000 MMWCL	0.00	0.20	0.00	0.00	0.00	
400	WORKSTATION FOR EWS/STORIAN	0.00	36.33	0.00	33.00	0.00	
401	ANALYZER,0-200V,0-50MA,0.1MILLIHZ-10KHZ	0.00	18.21	0.00	0.00	0.00	
402	NSEM01, SOE MASTER MODULE	0.00	19.66	0.00	9.84	0.00	
403	DELETED RIGHT ANGLE GEAR BOX FOR MODEL S	0.00	0.00	0.00	0.00	0.00	
404	SOOT BLOWER MAIN-ISOL VALVE PART NO.S030	0.00	3.25	0.00	0.00	0.00	
405	16-PORT MANAGED ETHERNET L2 SWITCH; MOXA	0.00	0.14	0.00	0.00	0.00	
406	MOVING BLADE LP3L DRG:01030705000/03	0.00	100.85	0.00	0.00	0.00	
407	PROMAX SER DVR MOD,ED69229S922A	0.00	5.97	0.00	0.00	0.00	
408	PROMAX POSN.MEASURMNT MDL: ED69229S910A	0.00	2.25	0.00	6.34	0.00	
409	PR-35:COMP PUMP ASSEMBLY	0.00	0.00	0.00	0.00	0.00	
410	MOTOR,SQ CAGE IND,415VAC,3PH,S1,ND315L	0.00	2.59	0.00	2.59	0.00	
411	MAXDNA ANALOG I/P T/C- ED69230I304A	0.00	1.10	0.00	0.00	2.00	
412	2"GLOBE V/V 1500 CL SW ENDFR FW -93	0.00	1.14	0.00	0.00	0.00	
413	AIR MOTOR 97325098 973240980000	0.00	12.11	0.00	24.22	0.00	
414	GB:DB:U-1200:COMP ASSY	0.00	4.87	4.87	0.00	0.00	
415	INTERMEDIATE SHAFT FOR CWP ST-1	0.00	0.00	0.00	0.00	0.00	
416	BOWL ASSEMBLY OF STG-I CWP	0.00	68.58	0.00	78.51	0.00	
417	20W/H:CLAMP PIVOT BRACKET	0.00	0.00	0.00	0.00	0.00	
418	COMPLETE OPACITY MONITOR	0.00	4.23	0.00	0.00	0.00	
419	ABSORBEND PUMP WITH DRIVE FOR VAM	0.00	0.00	0.00	0.00	0.00	
420	CT; 11KV; 100/1/1A, 10VA / CL-0.5 &5P20	0.00	0.16	0.00	0.00	0.00	
421	PLOW FEEDER ROTOR PUMP,A4VG 125../F001DP	0.00	4.04	0.00	0.00	0.00	
422	ANALYZER,WATER,CHLORIDE,0-10PPM	0.00	11.65	0.00	0.00	0.00	
423	PUMP ASSY,GOODWIN,100ANZE	0.00	28.05	0.00	0.00	0.00	
424	GRINDING ROLL SET FOR XRP 803 MILL	0.00	13.35	46.69	19.42	54.38	
425	REHEAT SPRAY MAIN BLOCK V/V R37,48211 X4	0.00	1.33	0.00	1.33	0.00	
426	CEP PUMP ASSY,BHEL,PUMP,EN6J40/500	0.00	0.00	76.06	0.00	0.00	
427	DISPLACEMENT PUMP,51654450&37,L&T,20W/H	0.00	0.00	19.74	0.00	19.74	

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428	PUMP ASSY,MATHER&PLATT,100/125 IPBX 3CHR	0.00	0.00	6.88	0.00	0.00	
429	EXTN.CARD FOR GENETIX CONTROLLER; MERRIC	0.00	0.00	0.95	0.00	0.00	
430	FLUID COUPLING PEMBRIL-FCU20	0.00	0.00	1.88	0.98	0.00	
431	6.6KV 1250A BHEL VCB FOR ID FAN VFD	0.00	0.00	3.74	0.00	0.00	
432	FC:ELECON:CDIR-584:COMP ASSY	0.00	0.00	2.43	0.00	2.43	
433	KNF GV:FLNG-A216/WCB:CL-300:NB-450MM	0.00	0.00	13.68	0.00	0.00	
434	DRIVE PULLEY ASSY,E10497/1,HM-263/264	0.00	0.00	11.37	0.00	11.37	
435	TRACTION MOTOR,413000001,BHEL,W/PINION	0.00	0.00	57.00	0.00	0.00	
436	TAN DELTA&CAP TESTER,12KV	0.00	0.00	25.62	0.00	0.00	
437	COMP ASSY,PREMIUM ENERGY,GEAR BOX,B232	0.00	0.00	23.80	11.90	9.35	
438	DIFFERENTIAL RELAY TYPE CAG 34,10-40%.	0.00	0.00	0.36	0.00	0.00	
439	AREVA VAJH13YF67B	0.00	0.00	0.04	0.00	0.00	
440	BD-155:TORQUE CONVERTER A	0.00	0.00	3.76	0.00	0.00	
441	100NB C.I. BUTTERFLY VALVE (CYL. OPTD.)	0.00	0.00	0.18	0.00	0.00	
442	JOURNAL SHAFT ASSY,F/XRP 1003 MILL	0.00	0.00	76.40	80.42	81.87	
443	DELETEDCCS GATE FLNG 150 CL API600 200MM	0.00	0.00	0.12	0.00	0.00	
444	BPAS SYS:ELEC CARD:AV5/RIV10	0.00	0.00	0.00	0.00	0.00	
445	HYDROGEN GAS COOLER,01660170001,BHEL	0.00	0.00	39.18	0.00	0.00	
446	ISOLATION VALVE ASSY,BHEL,BOILER,ERV	0.00	0.00	7.50	0.00	0.00	
447	H2 DRIER,REFRIG TYPE,3-5KSC,40-50M3/HR	0.00	0.00	3.86	0.00	14.76	
448	L.U.J.RACER ATOMISER ASSY,D801858CAPT03	0.00	0.00	0.00	0.00	0.00	
449	REMOTE POSITION TRANSMITTER FOR EHC	0.00	0.00	1.20	0.00	0.00	
450	ELECTR.ACTUATOR COMPLETEL120-85+H6BC	0.00	0.00	5.66	0.00	0.00	
451	JOURNAL BRG ASSLY,D560X450,01181802000	0.00	0.00	29.73	0.00	0.00	
452	3D-COAL BUNKER LEVEL MEAUSREMENT SYS	0.00	0.00	57.44	0.00	0.00	
453	SECTOR PLATE ASSY	0.00	0.00	0.00	0.00	0.00	
454	XYMR:BHEL:200MVA,420/21KV:BUCHHOLZ RELAY	0.00	0.00	0.04	0.00	0.00	
455	MOVING BLADE L.P.3L DRG.01030701000/03	0.00	0.00	25.17	0.00	0.00	
456	BEARING SHELL,91391201003008,F/TURB END	0.00	0.00	52.38	0.00	0.00	
457	GRIND RING SEGMENT,BOILER,MPS 89G	0.00	0.00	15.10	15.10	29.17	
458	GRINDING TIRE,408F,BABCOCK&WILCOX,BOILER	0.00	0.00	41.41	29.58	66.16	
459	PROJECTOR MODULE,SYNELEC	0.00	0.00	4.41	0.00	34.82	
460	SPEED REDUCER,B3-2066-Y110 R5	0.00	0.00	5.93	0.00	11.86	
461	LED BASED LVS SYSTEM,MVL6715SXGA,BARCO	0.00	0.00	6.22	0.00	0.00	
462	XYMR:BHEL:200MVA,420/21KV:WTI+CONTACTS	0.00	0.00	0.12	0.00	0.00	
463	XYMR:BHEL:25MVA,21/6.9KV:BUCHHOLZ RELAY	0.00	0.00	0.04	0.00	0.00	

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464	ROTOR SHAFT,02DSN5823-070AA,PENNSYLVANIA	0.00	0.00	101.03	0.00	0.00	
465	FLUID COUPLING 11.5 FCU	0.00	0.00	0.26	0.13	0.00	
466	MAXDNA AI-RTD (4 WIRE) ED69230S303A	0.00	0.00	2.30	0.00	0.00	
467	ABSORBER PUMP,P01A01004T,NIKKISO	0.00	0.00	3.98	0.00	0.00	
468	PUMP ASSY,KPDS 125/26L	0.00	0.00	6.41	0.00	0.00	
469	DPU4F PRIM.PROCESR: ED69230D406D; BHEL	0.00	0.00	34.35	0.00	0.00	
470	CIRCUIT BREAKER,AIR,UPTO650V,1600A,3P	0.00	0.00	9.07	9.07	0.00	
471	DP REGULATOR VALVE,W9041490144	0.00	0.00	13.98	0.00	0.00	
472	DIFF PRESS. REGULATOR FOR SEAL OIL UNIT	0.00	0.00	4.05	0.00	0.00	
473	HEAT EXCHANGER,458214,BABCOCK&WILCOX	0.00	0.00	14.40	0.00	0.00	
474	MOVING BLADE LP1R DRG:01030705000/04	0.00	0.00	9.85	0.00	0.00	
475	BEARING HOUSING,12060161608,ANSALDO	0.00	0.00	0.00	0.00	0.00	
476	MPS 89G:GEAR DRIVE	0.00	0.00	313.53	0.00	0.00	
477	RELY AUX AREVA CAT NO. MVAAM11B1CJ5515A	0.00	0.00	0.07	0.00	0.00	
478	RELY AUX 220V DC-MVAGM21D1AS0752A(AREVA)	0.00	0.00	0.11	0.00	0.00	
479	AUX RELAY MVAAM11B1BA2530A AREVA 220VDC	0.00	0.00	0.07	0.00	0.00	
480	AUX RELAY MVAAM11B1AA2530A AREVA 220VDC	0.00	0.00	0.07	0.00	0.00	
481	TRIPPING RELAY MVAJ101JA1000A AREVA	0.00	0.00	0.43	0.00	0.00	
482	VALVE,SOL,PILOT OPER,SINGLE,NO/NC,220VDC	0.00	0.00	37.75	0.00	0.00	
483	TRIGGER MODULE OF SCR CONTRLR-M22417-1	0.00	0.00	2.74	0.00	0.00	
484	SIGNAL I/P MODULE OF SCR CONTR-M22419-1	0.00	0.00	17.41	0.00	0.00	
485	STEAM SH1 O/L INT GATE V/V HAND OPTD	0.00	0.00	0.00	0.00	0.00	
486	PILOT VALVE WITH LINER DR01140202100C/09	0.00	0.00	2.05	0.00	0.00	
487	MILL BOTTOM ASSY XRP-803	0.00	0.00	7.53	4.27	8.27	
488	GEAR BOX:PREMIUM ETL:B3SF-200:COMP.ASSY	0.00	0.00	0.88	0.00	0.00	
489	SLEW RING,C11318/3,HM-263/264	0.00	0.00	89.96	0.00	0.00	
490	DAVR:R2 UN0901C DC/DC CONV.	0.00	0.00	2.44	0.00	0.00	
491	BEARING HOUSING,200/210MW	0.00	0.00	25.29	0.00	0.00	
492	PROPORTIONAL CNTRL V/V-PV6,MAKE: CCI	0.00	0.00	6.99	0.00	0.00	
493	MOTR SQL 415V:132KW:4P:B3 TEFC:FR:315M	0.00	0.00	3.11	0.00	0.00	
494	IMPELLER FOR BHM-100 PUMP, PART NO. 156.	0.00	0.00	0.00	0.00	0.00	
495	DAVR:R2 UN0660AVI	0.00	0.00	3.56	0.00	0.00	
496	NRV OF FLUIDISHING AIR BLOWER	0.00	0.00	0.00	0.00	0.00	
497	DELETED DISCHARGE SILENCER OF F A BLOWER	0.00	0.00	0.00	0.00	0.00	
498	DELETED SUCTION SILENCER OF F A BLOWER R	0.00	0.00	0.00	0.00	0.00	
499	THRUST/JOURNAL BRG,01170301000/0	0.00	0.00	47.50	0.00	0.00	

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500	VIBRO FEDR COMP ASSY,GENERAL KINEMATICS	0.00	0.00	64.11	72.00	111.93	
501	FLUID COUPLING:T-12/08B COMP.FLUIDOMAT	0.00	0.00	1.17	0.00	0.00	
502	ECC PLUG VALVE ASSY,DEZURIK	0.00	0.00	16.19	16.19	16.54	
503	RELY NUM:220V DC:REF541 KM115AAAA	0.00	0.00	1.94	0.00	0.00	
504	DELETED DOOR HINGE PIN WITH WASHER & SPL	0.00	0.00	0.00	0.00	0.00	
505	ACTUATOR,PNEU,GS-16-PC10-B10,DEZURIK	0.00	0.00	8.70	0.00	0.00	
506	ACTUATOR,PNEU,ROTARY,GS-16-PC12,DEZURIK	0.00	0.00	9.34	0.00	0.00	
507	PROCESSOR MODULE,PLC-5-40C,ALLEN-BRADLEY	0.00	0.00	22.39	0.00	0.00	
508	ACB 3200A 3P ELCT OPRT STORED ENERG GE	0.00	0.00	2.85	0.00	0.00	
509	HT HEAT EXCHANGER,C20642C1H1,THERMAX	0.00	0.00	4.53	0.00	0.00	
510	FEED GATE ASSY,A-547,INDURE	0.00	0.00	7.87	0.00	0.00	
511	PUMP ASSY,KBL,UP 300/39	0.00	0.00	6.43	0.00	0.00	
512	SCIM:160KW:10P:B3,TEFC:FR:355L	0.00	0.00	11.82	0.00	0.00	
513	ROTOR ASSY,BOILER,500MW	0.00	0.00	16.85	0.00	0.00	
514	MOVING BLADE LP2R DRG:01030705000/05	0.00	0.00	90.47	0.00	0.00	
515	MOTOR 125 KW,1485 RPM,ND 315 M,CGL	0.00	0.00	1.85	0.00	0.00	
516	MOVING BLADE LP2L DRG:01030705000/02	0.00	0.00	1.57	0.00	0.00	
517	SCIM:110KW:04P:B35,TEFC:FR:315S	0.00	0.00	1.36	0.00	0.00	
518	WORM GEAR HUB OF M.DRIVE&BOWL OF XRP803	0.00	0.00	4.15	4.15	4.15	
519	deletedREDUCTION GEAR BOX ASSBLY; H2-315	0.00	0.00	13.60	0.00	0.00	
520	RF90TC:PUMP SHAFT	0.00	0.00	3.90	0.00	0.00	
521	ACTUATOR,ELE,SMB3-150/36.6RPM,LIMITORQUE	0.00	0.00	15.74	0.00	0.00	
522	RF90TC: SHAFT COUPLING	0.00	0.00	0.00	0.00	6.86	
523	DISCHARGE BOWL,WPIL,PUMP,RF 90TC	0.00	0.00	32.17	0.00	0.00	
524	RF90TC:SUCTION BELL	0.00	0.00	37.76	0.00	0.00	
525	RADIAL THRUST BRG,D380X290,01170327000&0	0.00	0.00	86.21	0.00	0.00	
526	JOURNAL BRG ASSY,D450X450,11181841000&01	0.00	0.00	67.94	0.00	0.00	
527	GEAR COUPLING ASSY;#001;#32515000- MOP	0.00	0.00	1.05	1.05	0.00	
528	RF90TC: IMPELLER FOR C/F VERTICAL	0.00	0.00	75.74	0.00	0.00	
529	COMPENSATOR ASSY DN500X6 11077002100/008	0.00	0.00	0.00	2.82	0.00	
530	AXIAL SEAL PLATE ASSEMBLY PAPH	0.00	0.00	0.00	1.85	0.00	
531	PR EQUALISING VALVE,0149360100200107	0.00	0.00	0.00	24.92	0.00	
532	AXIAL SEAL PLATE ASSMBLY FR SAPH (30.5VI	0.00	0.00	0.00	0.00	0.00	
533	RF90TC: LINE SHAFT	0.00	0.00	0.00	0.32	0.62	
534	VALVE,CW DISCHARGE VALVE,BOSCH REXROTH	0.00	0.00	0.00	44.05	0.00	
535	LANCE TUBE JET,L4AE1E0925	0.00	0.00	0.00	65.96	0.00	

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536	VIBRATOR ASSY,1,TRF,TE-13	0.00	0.00	0.00	35.80	0.00	
537	CAGE FRAME ASSY,D05-000129&16,KOOPERS	0.00	0.00	0.00	116.15	0.00	
538	COMPENSATOR ASSY DN800X10 11076902100/08	0.00	0.00	0.00	2.24	0.00	
539	L&T-20W/H:CLAMP CYLINDER BLOCK ASSY	0.00	0.00	0.00	0.00	0.00	
540	IMPELLER FOR BHR-35 P/P 18 DEG	0.00	0.00	0.00	0.52	0.00	
541	VALVE POSITION MODULE: ED69229S904A;MAX-	0.00	0.00	0.00	0.03	0.00	
542	MAX-DNA BUS TERMIN.MODULE: ED69230C402A;	0.00	0.00	0.00	1.48	0.98	
543	SEALING RING(8PCS=1NO)	0.00	0.00	0.00	0.00	0.00	
544	SEALING RING(8PCS=1NO) CAPT-03	0.00	0.00	0.00	0.00	0.00	
545	EHC COIL,0114220500000065,BHEL	0.00	0.00	0.00	22.92	0.00	
546	24 PORT MANAGED SWITCH WITH 2 MINI GBIC	0.00	0.00	0.00	0.72	0.00	
547	PUMP,ESP,TWIN VOLUTE CASING,100ANZE	0.00	0.00	0.00	48.14	0.00	
548	PLANETARY GEARBOX,E10588/0,ELECON EPC	0.00	0.00	0.00	83.55	0.00	
549	EBD ISOLN VALVE,A105,MOTOR W/O ACTUATOR	0.00	0.00	0.00	1.68	0.00	
550	LIMITORQUE ACTUATOR-L120-10-3/18RPM	0.00	0.00	0.00	1.06	0.00	
551	GRINDER ASSY,600X900MM	0.00	0.00	0.00	14.62	6.83	
552	INVERTER LOGIC BOARD PT:100209210023	0.00	0.00	0.00	0.04	0.00	
553	COMP ASSY,DAVID BROWN,GEAR BOX,B2-280	0.00	0.00	0.00	8.44	0.00	
554	COMP ASSY,FLUIDOMAT,COUPLING,T-12/012	0.00	0.00	0.00	11.16	0.00	
555	WORKSTATION INCLUDING ALL ACCESSORIES	0.00	0.00	0.00	0.40	0.00	
556	MOTR SQL 415V:125KW:6P:B3,TEFC:FR:315L	0.00	0.00	0.00	2.83	0.00	
557	ROTOR,1.02&1.01,PUMP,2BE1 353 OZY 4	0.00	0.00	0.00	72.87	0.00	
558	PUMP ASSY,FA1B75	0.00	0.00	0.00	43.15	0.00	
559	ACOUSTIC LEAK DETECTION SYSTEM- COMPLETE	0.00	0.00	0.00	74.50	0.00	
560	COMP UNIT,FLENDER,GEAR BOX,SZN280	0.00	0.00	0.00	18.81	0.00	
561	1400:DRIVE PULLEY DXL800X1600 SHAFTD150	0.00	0.00	0.00	3.74	0.00	
562	MIDDLE COLECTOR ASSY, MIXED BED	0.00	0.00	0.00	0.57	0.00	
563	HP CONTROL VALVE ASSY,01122305000&00	0.00	0.00	0.00	71.68	0.00	
564	CF PUMP MOTOR,132KW,FRAME-315M,SIEMENS	0.00	0.00	0.00	17.50	0.00	
565	MOTOR,SGL SQ CAGE IND,6.6KV,450,4P,B3	0.00	0.00	0.00	14.86	0.00	
566	DRIVE CONTROL MODULE,ED 69229S908A	0.00	0.00	0.00	0.06	0.59	
567	OIL COOLER ASSY-M.DRIVE&BOWL-MILL-XRP803	0.00	0.00	0.00	1.39	0.00	
568	BENTLY AC LVDT P.NO. 36393-01	0.00	0.00	0.00	3.57	0.00	
569	1600MT/HR:DRIVING WHEEL ASSY	0.00	0.00	0.00	0.43	0.00	
570	POWER PACK ASSY FOR LRSB-TRANSVERSE	0.00	0.00	0.00	0.81	0.00	
571	INTERMEDIATE SHAFT (LINE SHAFT)	0.00	0.00	0.00	2.55	0.00	

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572	IMPELLER SHAFT PN-186,MC-053	0.00	0.00	0.00	0.51	0.00	
573	UNDERGROUND WIRE & PIPE LOCATOR: LKZ1500	0.00	0.00	0.00	2.11	0.00	
574	SEALING RING,01050509000/7,BHEL	0.00	0.00	0.00	5.74	0.00	
575	SEALING RING,01050509000/8,BHEL	0.00	0.00	0.00	5.74	0.00	
576	SEALING RING,01050509000/6,BHEL	0.00	0.00	0.00	14.54	0.00	
577	SEALING RING,01050509000/5,BHEL	0.00	0.00	0.00	14.54	0.00	
578	SEALING RING,01050509000/10,BHEL	0.00	0.00	0.00	5.74	0.00	
579	RING,01050609000/1,BHEL	0.00	0.00	0.00	10.01	11.92	
580	SEALING RING,01050509000/4,BHEL	0.00	0.00	0.00	14.54	0.00	
581	SEALING RING,01050509000/3,BHEL	0.00	0.00	0.00	14.54	0.00	
582	SEALING RING,01050509000/2,BHEL	0.00	0.00	0.00	14.54	0.00	
583	SEALING RING,01050509000/11,BHEL	0.00	0.00	0.00	5.74	0.00	
584	SEALING RING,01050509000/1,BHEL	0.00	0.00	0.00	15.30	0.00	
585	SEALING RING,01050509000/9,BHEL	0.00	0.00	0.00	5.74	0.00	
586	RING DRG:01050609000/02	0.00	0.00	0.00	7.97	0.00	
587	CRANKSHAFT FORGING	0.00	0.00	0.00	1.87	0.00	
588	VO 80/300+TCH+N:COMPLETE PUMP ASSY	0.00	0.00	0.00	3.74	0.00	
589	SLIP RING,2154010100300000 (C+	0.00	0.00	0.00	6.34	0.00	
590	INTERMEDIATE SHAFT FILTER WITH SLEEVE	0.00	0.00	0.00	2.55	0.00	
591	CCS BLOBE VALVE 65MM HAND OPERATED	0.00	0.00	0.00	39.35	0.00	
592	INDC MOTOR ,90 KW,1500RPM,415V,154A	0.00	0.00	0.00	2.60	0.00	
593	GEAR CUPLNG,GC-10-16-16,PILOT BORE 140MM	0.00	0.00	0.00	0.00	0.00	
594	EXISTING PUMP ASSY,BHEL,FA1B56	0.00	0.00	0.00	32.43	0.00	
595	DRIVE AXLE ASSY,A1/1027/M/GA/005&4	0.00	0.00	0.00	0.00	0.00	
596	SPNPM22 NETWORK PROCESSING MODULE	0.00	0.00	0.00	29.51	7.38	
597	NETWORK INTERFACE,INNIS21,ABB	0.00	0.00	0.00	27.56	6.89	
598	1400:ND PULLEY DXL630X1600SHAFT D140	0.00	0.00	0.00	0.00	0.00	
599	COMPLETE VACUUM PUMP-140	0.00	0.00	0.00	16.97	8.49	
600	TURBO SUPERCHARGER	0.00	0.00	0.00	22.80	0.00	
601	PUMP ASSY,PUMP,FIG 5824 125X10	0.00	0.00	0.00	9.47	9.47	
602	PISTON PUMP ASSY,R902106323,REXROTH	0.00	0.00	0.00	7.37	0.00	
603	COMP ASSY,DAVID BROWN,GEAR BOX,H2-280 CW	0.00	0.00	0.00	10.21	0.00	
604	COMP ASSY,DAVID BROWN,GEAR BOX,H2-355	0.00	0.00	0.00	13.99	15.41	
605	SEAL COMPENSATOR,110710300003&1,BHEL	0.00	0.00	0.00	7.39	0.00	
606	COMPENSATOR,01075001000&1,BHEL	0.00	0.00	0.00	2.39	0.00	
607	ACTUATOR,ELE,LEVER,230VAC,100NM,IP20	0.00	0.00	0.00	12.74	0.00	

Sl No	Details of Capital Spares and Expenses						Reasons For Capital Spare Consumption
	Name of Spares	2019-20	2020-21	2021-22	2022-23	2023-24	
608	ELECTRO RELIEF VALVE,1538-VX-10W	0.00	0.00	0.00	9.70	0.00	
609	ELECTRO HYD CONVERTOR ASSY,01142205000&0	0.00	0.00	0.00	35.99	0.00	
610	HP CYLINDER,27700251.5	0.00	0.00	0.00	1.52	0.00	
611	MOVING COIL,01142205000&65,11,70,TURBINE	0.00	0.00	0.00	29.38	0.00	
612	D-T-D RELAY:VTT11(EE):ZG 8153 B(M)	0.00	0.00	0.00	0.15	0.00	
613	ANALYZER,WATER,SILICA,0-5000PPB	0.00	0.00	0.00	9.89	0.00	
614	JOURNAL,VA610800013003	0.00	0.00	0.00	30.90	30.90	
615	BREECH NUT,11051409000/3,BHEL	0.00	0.00	0.00	68.30	0.00	
616	VENTED NI-CD BATT,TYPE-K,575AH,24V,PLT-P	0.00	0.00	0.00	1.06	0.00	
617	LOADER: SKID STEER LOADER,75HP,4.5M	0.00	0.00	0.00	0.00	16.55	
618	COMP ASSY,VOITH,COUPLING,TV1150	0.00	0.00	0.00	0.00	17.26	
619	SHUT OFF VALVE,HERION,TURBINE	0.00	0.00	0.00	0.00	20.46	
620	SPRAY CONTROL VALVE,FISHER	0.00	0.00	0.00	0.00	8.31	
621	MAIN VERTICAL SHAFT,BHEL,XRP-803	0.00	0.00	0.00	0.00	7.89	
622	ANALYZER,WATER,PHOSPHATE,0.2-10PPM,4CH.	0.00	0.00	0.00	0.00	12.98	
623	IMPELLER FOR PUMP BHR28 30ø	0.00	0.00	0.00	0.00	2.65	
624	OIL COOLER,01650170001 C34 REV+,BHEL	0.00	0.00	0.00	0.00	20.22	
625	HV BUSHING,CROMPTON,XFMR	0.00	0.00	0.00	0.00	77.84	
626	DP TRANSMITTER 0-4 KG/CM2	0.00	0.00	0.00	0.00	0.41	
627	BATTERY,RECH,NI-CD,220V,990AH	0.00	0.00	0.00	0.00	2.77	
628	COMPENSATOR DN800 DRG:31074301100/03	0.00	0.00	0.00	0.00	2.74	
629	RIGIFLEX COUPLING,PA FAN	0.00	0.00	0.00	0.00	13.60	
630	COMP ASSY,SEISA GEAR,GEAR BOX,QBH067VA	0.00	0.00	0.00	0.00	113.28	
631	GLAND STEAM,21323909500-000,ACTUATOR	0.00	0.00	0.00	0.00	18.62	
632	CAGE FRAME FOR CRUSHER TKK-48 X 103	0.00	0.00	0.00	0.00	6.58	
633	GM16TC:COMPLETE BOWL ASSEMBLY	0.00	0.00	0.00	0.00	8.53	
634	SUSPND MAG SEPARATOR,SMNR1-165/40 OA,PBL	0.00	0.00	0.00	0.00	19.78	
635	IMPELLER,0-55-216-00446 REV +,BHEL	0.00	0.00	0.00	0.00	51.43	
636	AIR BLOWER ASSY,SWAM,RH-320	0.00	0.00	0.00	0.00	15.28	
637	ACTUATOR,ELE,SA25.1-B3-90,AUMA	0.00	0.00	0.00	0.00	15.69	
638	PRESS FRAME ASSY,3000972,BABCOCK&WILCOX	0.00	0.00	0.00	0.00	27.35	
639	SPRING FRAME,3000935,BABCOCK&WILCOX	0.00	0.00	0.00	0.00	20.09	
640	COMMUNICATION CARD VM 742 OF SHINKAWA	0.00	0.00	0.00	0.00	1.49	
641	VIBRN.MONITOR CARD:VM-701, SHINKAWA TSI	0.00	0.00	0.00	0.00	2.04	
642	EXTN.CABLE: 330877 80 36 00; BENTLY	0.00	0.00	0.00	0.00	0.40	
643	PROJECTOR MODULE,67IN,1400X1050(SXGA+)	0.00	0.00	0.00	0.00	2.70	

Sl No	Details of Capital Spares and Expenses						Reasons For Capital Spare Consumption
	Name of Spares	2019-20	2020-21	2021-22	2022-23	2023-24	
644	IMPELLER 4TH STAGE FOR BFP FK 4E 36	0.00	0.00	0.00	0.00	4.85	
645	IMPELLER 3RD STAGE FOR BFP FK 4E 36	0.00	0.00	0.00	0.00	4.85	
646	MOTOR,DBL SQ CAGE IND,6.6KV,1120,4P,B3,F	0.00	0.00	0.00	0.00	296.69	
647	PUMP ASSY,JTC24D	0.00	0.00	0.00	0.00	58.18	
648	SCIM 110KW,415V,FR:315S,3000 RPM	0.00	0.00	0.00	0.00	1.71	
649	MOTOR SQL- 415V:160KW:6P:V1,TEFC:FR:355L	0.00	0.00	0.00	0.00	3.63	
650	FLEX- COUPLING:F-GEARED:FB13 TYPE-A	0.00	0.00	0.00	0.00	3.66	
651	MAP10000:COMPLETE ASSY.	0.00	0.00	0.00	0.00	7.16	
652	MOTOR,SQ CAGE IND,415VAC,3PH,355S,4P,V1	0.00	0.00	0.00	0.00	5.85	
653	PT 15750V/1.73/110V/1.73; 200VA;	0.00	0.00	0.00	0.00	1.97	
654	SH SPRAY BRANCH BLOCK VALVE,SD4	0.00	0.00	0.00	0.00	4.39	
655	DIESEL LOCOMOTIVE,WDG-3A,3100/3300HP	0.00	0.00	0.00	0.00	1698.30	
656	INDUCTION MOTOR FOR ST-1 BASP	0.00	0.00	0.00	0.00	0.00	
657	TEST VALVE,MAX47AA021/022,BHEL	0.00	0.00	0.00	0.00	7.46	
658	CLAMP GEAR ASSY,06088-M-BM-EQ-GA-60+,L&T	0.00	0.00	0.00	0.00	27.66	
659	THRUST BEARING,1-30771-00092&1,K1401-2	0.00	0.00	0.00	0.00	6.29	
660	DELETED CAP SCREW M16X45 FOR H2 COOLER.	0.00	0.00	0.00	0.00	0.00	
661	CHILLED/CONDENSER WATER PUMP ASSLY	0.00	0.00	0.00	0.00	1.01	
662	KGV-350NB:COMPLETE ASSY.:	0.00	0.00	0.00	0.00	3.55	
663	CBD BYPASS INLET-ISOL VALVE PART NO.B111	0.00	0.00	0.00	0.00	4.53	
664	BLADE FOR AP2-20/12,P.A. FAN	0.00	0.00	0.00	0.00	57.82	
665	RADIAL SEALS SET,CW+CCW,30 VIM 2000	0.00	0.00	0.00	0.00	7.53	
666	SINGLE STAGE ANGLE DRAIN VALVE ASV 122	0.00	0.00	0.00	0.00	2.20	
667	ANGLE VALVE,42-2196-3,DN 50,SEMPELL-AG	0.00	0.00	0.00	0.00	6.60	
668	MCCB IS13947,THRM RELSE-3P,250A415V	0.00	0.00	0.00	0.00	0.15	
669	HRH-101DN50/65:COMPLETE ASSY.:	0.00	0.00	0.00	0.00	5.49	
670	COMPLETE LINER ASSY,132429,DODGE,500MW	0.00	0.00	0.00	0.00	15.99	
671	COMPLETE LINER ASSY,132429,DODGE,500MW	0.00	0.00	0.00	0.00	15.99	
672	CIRCUIT BREAKER,SF6,6.6KV,3150A,ABB	0.00	0.00	0.00	0.00	4.76	
673	COMP ASSY,ALLENBERRY,GEAR BOX,CSB-560	0.00	0.00	0.00	0.00	23.06	
674	AIR GAP SEALING RING,0-139-41-01000C&1	0.00	0.00	0.00	0.00	42.26	
675	GATE VALVE ASSY,3IN,IGC,PN250	0.00	0.00	0.00	0.00	9.01	
676	CHARGER,BAT,FCB,220VDC,400A	0.00	0.00	0.00	0.00	16.18	
677	SEALING RING ,HP SHAFT SEATING FRONT	0.00	0.00	0.00	0.00	0.00	
678	U-SEALING RING MACHINED,01050109000/3	0.00	0.00	0.00	0.00	26.97	
679	U-SEALING RING UNMACHINED,01050109000/3	0.00	0.00	0.00	0.00	26.97	

Sl No	Details of Capital Spares and Expenses						Reasons For Capital Spare Consumption
	Name of Spares	2019-20	2020-21	2021-22	2022-23	2023-24	
680	DRUM SAFETY V/V,DN3"X6",TAG 5110-FY-9001	0.00	0.00	0.00	0.00	0.00	
681	VALVE,CON:HP:0036,BHEL,W/O ACTUATOR E45S	0.00	0.00	0.00	0.00	18.71	
682	ECONOMISER DRAIN ISOLN.GATE V/V(ANSALDO)	0.00	0.00	0.00	0.00	0.00	
683	BEARING LINER ASSY,DODGE	0.00	0.00	0.00	0.00	97.88	
684	SHAFT,BEARING ASSY,FD FAN,AP1-26/16	0.00	0.00	0.00	0.00	51.36	
685	RELATIV.DISPLACMNT SENSOR:VL202A08R-1012	0.00	0.00	0.00	0.00	0.59	
686	MAIN OIL PUMP ASSY,01160502000C,BHEL	0.00	0.00	0.00	0.00	157.03	
687	PUMP ASSY W/ MTR,UT PUMPS,W6.4ZK-75	0.00	0.00	0.00	0.00	12.82	
688	COMP ASSY,GREAVES,GEAR BOX,H1-200	0.00	0.00	0.00	0.00	7.31	
689	INSPECTA-MUXCPU-IOWA CARD FOR ASLD	0.00	0.00	0.00	0.00	1.09	
690	HPTK GATE CIRCUIT CARD FOR VFD	0.00	0.00	0.00	0.00	6.25	
691	ASSY,HYDRAULIC CYL,622541,HM-263/264	0.00	0.00	0.00	0.00	36.22	
692	BKT WHEEL SHAFT ASSY,E09126/1,HM-263/264	0.00	0.00	0.00	0.00	26.68	
693	IPCV SERVOMOTOR,01140401000/0,BHEL	0.00	0.00	0.00	0.00	22.32	
694	MOTOR,SGL SQ CAGE IND,6.6KV,6P,560KW	0.00	0.00	0.00	0.00	53.71	
695	SEALING RING DRG:01050102000/008	0.00	0.00	0.00	0.00	24.40	
696	DELETED TURBOCHARGER FOR D-155A DOZER (C	0.00	0.00	0.00	0.00	0.00	
697	PUMP ASSY,SU MOTORS,CPP1-100X80-400	0.00	0.00	0.00	0.00	4.50	
698	LOW SPEED SHAFT,4637730,MPS 89G	0.00	0.00	0.00	0.00	22.51	
699	CHARGER ARM,06099-M-BM-EQ-GA-30+,L&T	0.00	0.00	0.00	0.00	35.08	
700	1400:ND PULLEY DXL1000X1600 SHAFT D200	0.00	0.00	0.00	0.00	0.00	
701	1400:PULLEY DXL 630X 1600 SHAFT DIA 160	0.00	0.00	0.00	0.00	2.09	
702	LOADING&EXCAVTG M/C BACKHOE LOADER JCB	0.00	0.00	0.00	0.00	51.94	
703	HV BUSHING WITH METAL PARTS AND GASKETS	0.00	0.00	0.00	0.00	57.07	
704	BUCKET,BEML,LOADER,BL-9H	0.00	0.00	0.00	0.00	25.89	
705	GEAR CAM SWITCH,06099-M-BM-EQ-GA-30+,L&T	0.00	0.00	0.00	0.00	10.39	
706	TANDEM,51654467&44,L&T,20W/H	0.00	0.00	0.00	0.00	37.74	
707	BEND PULLEY ASSY,C11023/2,HM-261/262	0.00	0.00	0.00	0.00	21.26	
708	LPB STOP VALVE,01230425000,BHEL	0.00	0.00	0.00	0.00	51.04	
709	RELAY,NUMERIC/DIGITAL,1A,REL670,ABB	0.00	0.00	0.00	0.00	12.75	
710	BALANCING DRUM FOR BFP MODEL FK4E36	0.00	0.00	0.00	0.00	1.09	
711	BALANCING DRUM RESTRICTION OF BFP	0.00	0.00	0.00	0.00	1.51	
712	IMPELLER 1ST STAGE FOR BFP FK 4E 36	0.00	0.00	0.00	0.00	5.30	
713	IMPELLER 2ND STAGE FOR BFP FK 4E 36	0.00	0.00	0.00	0.00	4.85	
714	IMPELLER KICKER STAGE FOR BFP FK 4E 36	0.00	0.00	0.00	0.00	4.41	
715	ELECT.ACTUATOR: SA14.6/AM02.1-F14-ON/OFF	0.00	0.00	0.00	0.00	4.50	

Sl No	Details of Capital Spares and Expenses						Reasons For Capital Spare Consumption
	Name of Spares	2019-20	2020-21	2021-22	2022-23	2023-24	
716	COMPENSATOR FOR LPT INLET	0.00	0.00	0.00	0.00	11.70	
717	FRONT JOURNAL BEARING-DIA 200MM (CAPT)	0.00	0.00	0.00	0.00	1.72	
718	REAR JOURNAL BRG 180MM OF TDBFP TURBINE	0.00	0.00	0.00	0.00	1.97	
719	MOTOR,SGL SQ CAGE IND,6.6KV,3PH,CT630Y6	0.00	0.00	0.00	0.00	32.01	
720	TORISHIMA:500MW:BRG SEG UPP_3870.1:3.3KV	0.00	0.00	0.00	0.00	12.33	
721	TORISHIMA:500MW:THR BRG PLATE_3840:3.3KV	0.00	0.00	0.00	0.00	7.28	
722	TORISHIMA:500MW:BRG UP/LOW3100.1&2:6.6KV	0.00	0.00	0.00	0.00	14.66	
723	VALVE,CTRL,LEAK STEAM,ESS HI/1000/80/25+	0.00	0.00	0.00	0.00	16.70	
724	ACTUATOR,HYD,ELECTRO,0-10V,5000N,40-80MM	0.00	0.00	0.00	0.00	18.80	
725	COMPLETE ASSY,ELECON,GEAR BOX,SBN400	0.00	0.00	0.00	0.00	49.84	
726	HELICAL GEAR,4637727,MPS 89G	0.00	0.00	0.00	0.00	42.49	
727	TAKE UP PULLEY,C11049/1,HM-263/264	0.00	0.00	0.00	0.00	10.63	
		4821.70	**3238.96**	**4343.36**	**3206.46**	**6150.22**	

Form-18

PART 1

Non-Tariff Income

Name of the Petitioner : NTPC Ltd.
Name of the Generating Station : Farakka STPS Stage-I&II

S. No.	Parameters	2019-20	2020-21	2021-22	2022-23	2023-24
1.	Income from rent of land	40.86	35.99	71.58	76.79	40.65
2.	Income from sale of scrap	196.10	222.68	92.63	112.33	224.75
3	Income from advertisement					
	Total	**236.96**	**258.67**	**164.21**	**189.12**	**265.39**

Certificate attached at Annexure-F

(Petitioner)

Form-19

PART 1

Details of Water Charges

Name of the Company :	**NTPC Limited**
Name of the Power Station :	**FSTPS-I&II**

S. No.	Details of Water charges		Quantity allocated for FSTPS	Normative Annual consumption at 100% PLF	Rate specified (as per Govt. notification or agreement)	Spillage of water (in percentage)	Amount Claimed
	Name of source - **River Ganga** and Quantity (Lakh Cum)	Amount (Rs Crs.)	Unit (Cusec)	Unit (Lakh Cum)	Unit (Rs/kGal)	%	Rs (Lakhs)
2019-20	572	52.31	3000	1191.2	20.82	-	5231
2020-21	554	31.12			20.82	-	3112
2021-22*	549	30.80			20.82 (up to Q3) 31.78 (from Q4)	-	3080
2022-23*	547	45.88			31.78		4588
2023-24*	570	50.18			33.31		5018

(Petitioner)

* **Rate revised from Rs 20.82 /kGAL to Rs. 30.19 kGal for Q4 2021-22. And Rs. 31.78 /kGal for FY' 2022-23. Thereafter rate revised to Rs. 33.31/KGal for FY'23-24**

PART 1
FORM- 20

Details of Statutory Charges

Name of the Petitioner: NTPC Ltd.
Name of the Generating Station: FSTPS-I&II

Particulars	**Unit Rate**	**No of Units**	**Amount Claimed**	
Electricity Duty	NA			
Water Cess				
…				
…				
…				

(Petitioner)

Annexure- A

Reconciliation of Additional Capitalization with Gross Block

Name of the Petitioner	**NTPC Ltd.**
Name of the Generating Station	**Farakka STPS- I & II (1600 MW)**
COD	**01.07.1996**
For Financial Year	**2019-20**

Amount in Rs

Sl No.	Name of work	Party name	Add cap (Accrual basis as per Note 2)	Ind AS Adj.	Accrual basis as per IGAPP	IDC in Add Cap	Liability in Add Cap	Net add cap Cash Basis	Remarks
1	2	3	4	5	6=4+5	7	8	9	10
A	**Claimed Additional Capitalization**								
A.1	**Already claimed in Petition**								
1	5TH RAISING OF NISHINDRA ASH DYKE Related Works	BUDHRAJA MINING & CONSTRUCTION LTD & Others	83065202		83065202		17183057	65882145	As per Form-9
2	Up gradation of DDCMIS ST-II	BHARAT HEAVY ELECTRICALS LTD	3190573		3190573		0	3190573	
	Sub Total of already claimed in petition		**86255775**	**0**	**86255775**	**0**	**17183057**	**69072718**	
A.2	**New Item claimed**								
1	LED BASED STREET LIGHT		25301580		25301580			25301580	
	Sub Total New item claimed in petition		**25301580**	**0**	**25301580**	**0**	**0**	**25301580**	
	Total Add Cap (A.1+A.2)		**111557355**	**0**	**111557355**	**0**	**17183057**	**94374298**	
A.3	**Decapitalization of spares-Part of tariff**		**-3,67,062**	**-93,13,062**	**-96,80,124**			**-9680124**	
	Total Add Cap (A.1+A.2+A.3) incl decap of Spares		**111190293**	**-9313062**	**101877231**	**0**	**17183057**	**84694174**	
B	**Exclusion Items**								
B1	**CERC Disallowed Items**								
1	Procurement of Mills (1 unit)	BHEL	6015719	**0**	6015719	**1173797**	0	6015719	
2	Refurbishment of 200 MW HP Turbine Module		58187528	**0**	58187528	8209494	0	58187528	
3	Leasehold Land for Jetty_12.73 Acre		1896287	**0**	1896287			1896287	
	Sub-Total (B1) of CERC Disallowed Items		**66099534**	**0**	**66099534**	**9383290**	**0**	**66099534**	
B3	**Contractors FERV**								
1	STEAM GENERATOR & ESP STAGE II	ANSALDO SPA	8682508		8682508		8682508	0	
2	CONTROL & INSTRUMENTATION	ABB LTD.	1117867		1117867		1117867	0	
3	UNIT AND STATION TRANSFORMER	RODE KONCAR	146540		146540		146540	0	
	Subtotal Contractors FERV		**9946915**	**0**	**9946915**	**0**	**9946915**	**0**	
B4	**Capitalization of Spares**		**485709470**	**0**	**485709470**		**47020883**	**438688587**	
B5	**Inter Unit Tansfer :**								

1	**Transfer-In**								
	From Badarpur - Comp Engine Assembly for BEML make Dozer BD155		939858	883467	1823325			1823325	As per Form-K
	From Barh - Laptop		232316	0	232316			232316	
	From CC Laptop		61926	0	61926			61926	
	From Kolkata Desktop		57929	0	57929			57929	
	From Patna Laptop		121411	0	121411			121411	
	Total of transfer In		**14,13,439.78**	**8,83,466.69**	**22,96,906.47**			**22,96,906.47**	
2	**Transfer-Out**							0	
	to Barh - Furniture & Printer		-27064	-74011	-101074			-101074	
	to CC - Laptop		-81126	-74750	-155875			-155875	
	to Kahalgaon - Laptop		-6390	-57510	-63900			-63900	
	to Patna - Laptop		-24225	-29200	-53425			-53425	
	to Barh Scanner		0	-7217	-7217			-7217	
	Total of transfer out		-138804	-242688	-381492			-381492	
	Sub Total Interunit Transfer		**1274636**	**640779**	**1915415**	**-**	**-**	1915415	
B.6	**Decapitalization**		**2688076**	**1524246**	**4212321**	**0**	**0**	**4212321**	As per Form-I
1	**Decapitalization - Part of Tariff**								
(i)	STEAM GENERATOR U#1		-43130	-596870	-640000			-640000	
(ii)	TURBINE GENERATOR U#III		-5461533	-49153799	-54615332			-54615332	
(iii)	GENERATOR TRANSFORMER		-2873959	-20472988	-23346948			-23346948	
(v)	MGR Wagons and other items		-741589	-6674299	-7415888			-7415888	
(vi)	MBOAs-Hero Honda Motorcycle		-31585	-284267	-315852			-315852	
			-9151796	**-77182223**	**-86334019**			**-86334019**	
2	**Decapitalization - Not Part of Tariff**								
(i)	Decapitalization of spares		-14986226	-19287383	-34273609			-34273609	
(ii)	Decap of pneumatic wagons		-13580382	-862875	-14443257			-14443257	
(iii)	Buy Back of MBOA-IT Equipment		-404389	-194062	-598451			-598451	
	Subtotal Decapitalization - Not Part of Tariff		**-28970997**	**-20344320**	**-49315317**	**0**	**0**	**-49315317**	
	Subtotal Decapitalization		**-38122793**	**-97526544**	**-135649336**	**0**	**0**	**-135649336**	

B7	**Overhauling of Units**								
(i)	**Overhauling of Units**		**351319268**	**-351319268**	**0**			**0**	**As per Form-K**
(ii)	**Decap of overhauling**		**-251632283**	**251632283**	**0**			**0**	
	Sub total of overhauling		**99686985**	**-99686985**	**0**	**0**	**0**	**0**	
B9	**Total Exclusions**		**624594746**	**-196572749**	**428021997**	**9383290**	**56967798**	**371054199**	
	GROSS BLOCK ADDITION		**735785040**	**-205885811**	**529899228**	**9383290**	**74150855**	**455748374**	

Annexure- A

Reconciliation of Additional Capitalization with Gross Block

Name of the Petitioner	**NTPC Ltd.**
Name of the Generating Station	**Farakka STPS- I & II (1600 MW)**
COD	**01.07.1996**
For Financial Year	**2020-21**

Amount in Rs

Sl No.	Name of work	Party name	Add cap (Accrual basis as per Note 2)	Ind AS Adj.	Accrual basis as per IGAPP	IDC in Add Cap	Liability in Add Cap	Net add cap Cash Basis	Remarks
1	2	3	4	5	6=4+5	7	8	9	10
A	**Claimed Additional Capitalization**								
A.1	**Already claimed in Petition**								
1	5TH RAISING OF NISHINDRA ASH DYKE	BUDHRAJA MINING & CONSTRUCTION LTD	50316263		50316263		2267570	48048693	
2	4TH RAISING OF NISHINDRA ASH DYKE	KNIL PVT. LTD.	222190		222190		0	222190	
3	Modification of ESP ST-I (Unit-I)	K C Cottrell	397193100		397193100	70257831	62400881	334792219	
4	Upgradation of DDCMIS ST-II	BHARAT HEAVY ELECTRICALS LTD	4160632		4160632		0	4160632	Form 9A
5	Real time data transmission for CEMS,EQMS	LOGICLADDER TECHNOLOGIES PVT LTD	26165		26165		0	26165	
	Total Add Cap (A.1)		**451918350**	**0**	**451918350**	**70257831**	**64668451**	**387249899**	
A.3	**Decapitalization of spares-Part of tariff**		**-1557027**	**-26648558**	**-28205585**			**-28205585**	
	Total Add Cap (A.1+A.2+A.3) incl decap of Spares		**450361323**	**-26648558**	**423712765**	**70257831**	**64668451**	**359044314**	
B	**Exclusion Items**								
B1	**CERC Disallowed Items**								
1	Procurement of Mills (Unit#2 - C&D)	BHEL	12418227	**0**	12418227	1173797	0	12418227	
2	ABT System for ERP		4542292		4542292			4542292	
3	Elevator Upgradation	BEACON ELEVATOR CO PVT LTD , OTIS ELEVATOR	29711133		29711133		14335599	15375534	
4	C&I System for FSTPP_Under R&M_St-I(Unit#2&3)	BHEL	165068490	**0**	165068490	5898359	30977708	134090782	
5	415 V Air Circuit Breakers under R&M(Stage-I), Replacement of electrical actuators under R&M	C&S ELECTRIC LTD, ABB INDIA LTD	28552862		28552862	2418918	1770000	26782862	
6	RLA Study of critical piping U#II & III	NTPC GE POWER SERVICES PRIVATE	43328882.85		43328883	689769	2228153.31	41100730	
	Sub-Total (B1) of CERC Disallowed Items		**283621887**	**0**	**283621887**	**10180843**	**49311460**	**234310427**	
B2	**Capitalization of Spares**		**587207781**	**0**	**587207781**		**117713234**	**469494548**	
B3	**Inter Unit Tansfer :**								
1	**Transfer-In**								
	LAPTOP:I-5, Min.2.5GHZ,MONITOR:13.3, 4GB	from Ramagundam	84000		84000			84000	
	Sub Total Interunit Transfer		**84000**	**0**	**84000**	**0**	**0**	**84000**	
B4	**Decapitalization**							0	
1	**Decapitalization - Part of Tariff**								
(i)	STEAM GENERATOR U-I & II		-3163664	-28472974	-31636638			-31636638	
(ii)	MBOAs-Hero Honda Motorcycle		-9743	-87684	-97426			-97426	
(iii)	CONTROL & INSTRUMENTATION		-9876421	-88887785	-98764206			-98764206	
(iv)	LT Switch gear		-579138	-5212245	-5791383			-5791383	As per Form-K
(v)	MBOAs-Write off as per PV		-1369416	-11882032	-13251448			-13251448	
(vi)	Decap of BOBR wagons due to accident		-23719202	0	-23719202			-23719202	
	Sub total Decapitalization - Part of Tariff		**-38717583**	**-134542720**	**-173260303**	**0**	**0**	**-173260303**	
2	**Decapitalization - Not Part of Tariff**								
(i)	Decapitalization of spares	-70294108	-9723343	-32365180	-42088523			-42088523	
(iii)	Buy Back of MBOA-IT Equipment		-497352	-1053090	-1550442			-1550442	
(iv)	ABT System for ERP		-1086684	-637116	-1723800			-1723800	
(v)	MBOAs(Crane, BEML Model)		-1155347	0	-1155347			-1155347	
	Subtotal Decapitalization - Not Part of Tariff		**-12462726**	**-34055387**	**-46518112**	**0**	**0**	**-46518112**	
	Subtotal Decapitalization	**-290072523**	**-51180309**	**-168598107**	**-219778415**	**0**	**0**	**-219778415**	
B5	**Overhauling of Units**								
(i)	**Overhauling of Units / Capital OH**		**320135662**	**-320135662**	**0**			**0**	
(ii)	**Decap of overhauling**		**-513653363**	**513653363**	**0**			**0**	
	Sub total of overhauling		**-193517701**	**193517701**	**0**	**0**	**0**	**0**	
C	**Reversal of liability**		**-39697103**	**0**	**-39697103**		**-39697103**	**0**	
1	Strenthening of MGR Track	JITENDRA NATH BARDHAN	**-275000**	**0**	**-275000**		**-275000**	**0**	
2	HM263/264:TRAVEL GEAR UNIT		**-39422103**	**0**	**-39422103**		**-39422103**	**0**	
B6	**Loan ERV**		**24375908**	**0**	**24375908**	-	-	**24375908**	
	Total Exclusions		**610894464**	**24919594**	**635814058**	**10180843**	**127327591**	**508486467**	
	GROSS BLOCK ADDITION		**1061255787**	**-1728964**	**1059526823**	**80438674**	**191996042**	**867530780**	

Annexure- A

Reconciliation of Additional Capitalization with Gross Block

Name of the Petitioner	**NTPC Ltd.**
Name of the Generating Station	**Farakka STPS- I & II (1600 MW)**
COD	**01.07.1996**
For Financial Year	**2021-22**

Amount in Rs

Sl No.	Name of work	Party name	Add cap (Accrual basis as per Note 2)	Ind AS Adj.	Accrual basis as per IGAPP	IDC in Add Cap	Liability in Add Cap	Net add cap Cash Basis	Remarks
1	2	3	4	5	6=4+5	7	8	9	10
A.1	**Claimed Additional Capitalization**								
A	**Already claimed in Petition**								
1	Ash Dyke Raising Related Works	BUDHRAJA MINING & CONSTRUCTION LTD	5862481		5862481		4305861	1556620	As per Form 9
		National Institute of Technology	5377122		5377122			5377122	
		K N INTERNATIONAL LTD	1119309		1119309			1119309	
		LOTUS CONSTRUCTION COMPANY	59027887		59027887		3362157	55665730	
2	Modification of ESP ST-I & II (U-III, Unit-IV)	KC COTTRELL CO LTD, HAMON RESEARCH-COTTRELL INDIA PVT	1356267717	0	1356267717	250716159	112306170	1243961547	
3	Decap of ESP ST II		-17441377	-156972395	-174413772			-174413772	
	Total Add Cap (A.1)		**1410213140**	**-156972395**	**1253240745**	**250716159**	**119974188**	**1133266556**	
A.2	**New Items**								
1	BIO-METHANATION UNIT IN PLANT	THE ENERGY & RESOURCES INSTITUTE	329080		329080			329080	
2	BIO-METHANATION PLANT IN TOWNSHIP		230729		230729		116400	114329	
	Total Add Cap New Items (A.2)		559809	0	559809	0	116400	443409	
A.3	**Decapitalization of spares-Part of tariff**		**-2,08,58,476**	**-6,17,19,460**	**-8,25,77,935**			**-82577935**	
	Total Add Cap (A.1+A.2) incl decap of Spares		**1389914473**	**-218691855**	**1171222619**	**250716159**	**120090588**	**1051132030**	
B	**Exclusion Items**								
B1	**CERC Disallowed Items**								
1	Condenser Tubes for 200MW Unit-1	CUBEX TUBINGS LTD	63365705		63365705	5043022		63365705	As per Form-K
2	Mega R&M of C&I System_St-I(Unit#1)	BHARAT HEAVY ELECTRICALS LTD	92642377		92642377		8674276	83968101	
3	Replacement of Elect Actuators under R&M_U#I&III	LIMITORQUE INDIA LTD	57118060.54	**0**	57118061	3912788.799	9319847	47798214	
4	Elect & Electronic Portion of Reclaimer-3(R&M)	ELECON ENGINEERING CO. LTD	42957956.4		42957956	4760770.401		42957956	
5	Supply and Retrofitting of 6.6 KV VCB	SCHNEIDER ELECTRIC INFRASTRUCTURE	23308783.39		23308783	3142912.392	367536	22941247	
6	RLA study of Critical Piping-Stage-I (Unit#I)	NTPC GE POWER SERVICES PRIVATE	22404150.03		22404150	1084626.62	342161	22061989	
7	415 V Air Circuit Breakers under R&M(Stage-I)	C&S ELECTRIC LTD	13865279.26		13865279	2292060.274	2808898	11056381	
8	R&M of FH IV & VII in FH Township	DHULIYAN BIDHABA MAHILA KALIAN	31440130.63	**0**	31440131	1151563.435	2304936	29135195	
9	Procurement of Mills (Unit-1 Mill A,B,D)	BHARAT HEAVY ELECTRICALS LTD	20218266.05	**0**	20218266	3743968.271	0	20218266	
10	ELEVATOR	OTIS ELEVATOR, BEACON ELEVATOR CO PVT LTD	7211338	**0**	7211338	0	560000	6651338	
	Sub-Total (B1) of CERC Disallowed Items		**374532047**	**0**	**374532047**	**25131712**	**24377654**	**350154393**	
B3	**Capitalization of Spares**		**466368592**	**0**	**466368592**	**-**	**70403527**	**395965065**	
B5	**Inter Unit Tansfer :**								
1	**Transfer-In**								
	WDG3A DIESEL ELECTRIC LOCOMOTIVE 3100HP	From Simhadri	165894076	38711346	204605421	-	-	204605421	
	Furniture Items	From Kolkata TNCC	77254	122881	200135	-	-	200135	
	AC, Geyser, Kitchen Ventilator, Fan, Refrigerator	From Kolkata TNCC and ERHQ-I	235738	163540	399277	-	-	399277	
	AIR CONDITIONER	From ERHQ-1	1849	16641	18490	-	-	18490	As per Form-K
	Notebook PC pavillion 14-cd0080TU-HP	From Barauni	60000	0	60000	-	-	60000	
	Total of transfer In		166268917	39014407	205283324			205283324	
	Sub Total Interunit Transfer		**166268917**	**39014407**	**205283324**	**0**	**0**	**205283324**	
B.6	**Decapitalization**								
1	**Decapitalization - Part of Tariff**								
(ii)	STEAM GENERATOR U#I		-192000	-1728000	-1920000			-1920000	
(iii)	STEAM GENERATOR U#III		-2621059	-23589535	-26210594			-26210594	
(iv)	TURBINE GENARATOR CAPITAL SPARE		0	-22750000	-22750000			-22750000	
(v)	COAL HANDLING SYSTEM		-609000	-5481000	-6090000			-6090000	
(vi)	CONTROL & INSTRUMENTATION		-3554129	-31987160	-35541289			-35541289	
(vii)	LT SWITCH GEAR		-370862	-3337755	-3708617			-3708617	
(viii)	SWITCH GEAR		-330000	-2970000	-3300000			-3300000	As per Form-I
	Sub Total Decap-Part Of Tariff		**-7677050**	**-91843451**	**-99520501**	**0**	**0**	**-99520501**	
2	**Decapitalization - Not Part of Tariff**								
(i)	Decapitalization of spares	-2,95,80,150.05	-8721674	0	-8721674	-	-	-8721674	
(ii)	Write Off as per physical verification		-261565	-9457400	-9718965	-	-	-9718965	
(iii)	Decap of MBOA		-346796	-2581160	-2927956	-	-	-2927956	
	Subtotal Decapitalization - Not Part of Tariff		**-9330035**	**-12038560**	**-21368595**	**0**	**0**	**-21368595**	
	Subtotal Decapitalization		**-17007085**	**-103882011**	**-120889096**	**0**	**0**	**-120889096**	
B7	**Overhauling of Units**		**360753848**	**-360753848**	**0**	-		**0**	
B8	**Loan ERV**		**28213149**	**0**	**28213149**	-	-	**28213149**	
B9	**Reversal Of Liability**		**-14258073**	**0**	**-14258073**	-	- **1,42,58,073**	**0**	
B10	**Total Exclusions**		**1364871395**	**-425621452**	**939249943**	**25131712**	**80523108**	**858726835**	
	GROSS BLOCK ADDITION		**2754785868**	**-644313307**	**2110472561**	**275847871**	**200613697**	**1909858865**	

Annexure- A

Reconciliation of Additional Capitalization with Gross Block

Name of the Petitioner	**NTPC Ltd.**
Name of the Generating Station	**Farakka STPS- I & II (1600 MW)**
COD	**01.07.1996**
For Financial Year	**2022-23**

Amount in Rs

Sl No.	Name of work	Party name	Add cap (Accrual basis as per Note 2)	Ind AS Adj.	Accrual basis as per IGAPP	IDC in Add Cap	Liability in Add Cap	Net add cap Cash Basis	Remarks
1	2	3	4	5	6=4+5	7	8	9	10
A.1	**Claimed Additional Capitalization**								
A	**Already claimed in Petition**								
1	Ash Dyke Raising	BUDHRAJA MINING & CONSTRUCTION LTD	51795		51795			51795	
		LOTUS CONSTRUCTION COMPANY	211474		211474			211474	
2	Up gradation of DDCMIS ST-II	BHEL	9278148		9278148		185024	9093124	
3	Modification of ESP Stg-I & II (U-III,V)	KC COTTRELL CO LTD,HAMON RESEARCH-COTTRELL INDIA PVT	801944470		801944470	48833100	64080868	737863602	
	Total Add Cap (A.1)		**811485887**	**0**	**811485887**	**48833100**	**64265892**	**747219995**	
A2	**New Items**								As per Form-9A
1	AGC Implementation work	ABB India Limited	3188997		3188997		300282	2888715	
A3	**MBOA (Other Office Equipment)**		**42,196**	**-**	**42,196**	**-**	**-**	**42196**	
A4	**Decap of MBOA**		**-4,79,723**	**-1,72,94,320**	**-1,77,74,043**	**-**	**-**	**-17774043**	
	Total Add Cap (A.1+A.2+A.3+A4) incl decap of Spares		**814237358**	**-17294320**	**796943038**	**48833100**	**64566174**	**732376864**	
B	**Exclusion Items**								
B1	**CERC Disallowed Items**								
1	C&I System for FSTPP_Under R&M_St-I(Unit#1)	BHEL	50449545.52		50449546	1464138.78	495427	49954119	
2	ELEVATOR at CHP	ALIKRAFT ENGINEERS PVT LTD	2825111.37		2825111		388000	2437111	
	Sub-Total (B1) of CERC Disallowed Items		**53274657**	**0**	**53274657**	**1464139**	**883427**	**52391230**	
B2	**Capitalization of Spares**		**552610150**	**0**	**552610150**	**-**	**113866735**	**438743415**	
B3	**Inter Unit Tansfer :**								
	Transfer-Out								
(i)	BOTTOM DISCHARGE HOPPER WAGON 60 T (12 no.s)		-35578803	0	-35578803	-	-	-35578803	
(ii)	MGR LOCO DIESEL	To Lara	-2110383	-18993449	-21103832	-	-	-21103832	
	Sub Total Interunit Transfer		**-37689186**	**-18993449**	**-56682635**	**0**	**0**	**-56682635**	
B4	**Decapitalization**								
	Decapitalization - Part of Tariff								
(i)	Decapitalization of spares	-5,02,87,358.74	-32560334	-290210498	-322770832	-	-	-322770832	
	Subtotal Decapitalization - Not Part of Tariff								Details in Form-I
(i)	Decapitalization of spares		-17727024	0	-17727024	-	-	-17727024	
(ii)	Decap of MBOA		-4796449	-11535421	-16331870	-	-	-16331870	
	Subtotal Decapitalization		**-55083808**	**-301745919**	**-356829727**	**0**	**0**	**-356829727**	
B5	**Overhauling of Units**								
(i)	Overhauling		520869714	-520869714	0	-	-	0	
(ii)	Decap Of Overhauling		-493621814	493621814	0	-	-	0	As per Form-K
	Subtotal Overhauling		**27247900**	**-27247900**	**0**	**0**	**0**	**0**	
B6	**Reversal of Liability**		**-138204615**	**0**	**-138204615**	**-**	**- 13,82,04,615**	**0**	
B7	**Loan ERV**		**648476**	**0**	**648476**	**-**	**-**	**648476**	
	Total Exclusions		**402803573**	**-347987268**	**54816306**	**1464139**	**-23454453**	**78270759**	
	GROSS BLOCK ADDITION		**1217040931**	**-365281588**	**851759344**	**50297239**	**41111721**	**810647623**	

Annexure- A

Reconciliation of Additional Capitalization with Gross Block

Name of the Petitioner	**NTPC Ltd.**
Name of the Generating Station	**Farakka STPS- I & II (1600 MW)**
COD	**01.07.1996**
For Financial Year	**2023-24**

Amount in Rs

Sl No.	Name of work	Party name	Add cap (Accrual basis as per Note 2)	Ind AS Adj.	Accrual basis as per IGAPP	IDC in Add Cap	Liability in Add Cap	Net add cap Cash Basis	Remarks
1	2	3	4	5	6=4+5	7	8	9	10
A.1	**Claimed Additional Capitalization**								
A	**Already claimed in Petition**								
1	ASH DYKE RAISING	BUDHRAJA MINING & CONSTRUCTION LTD	172130		172130			172130	
2		LOTUS CONSTRUCTION COMPANY	36871		36871			36871	
3	Two lane Bridge	ROYAL INFRACONSTRU LTD	671364587		671364587	79647784		671364587	
4	Modification of ESP ST-I & II (Unit-III)	K C Cottrell	16670031	0	16670031	0	0	16670031	
	Total Add Cap (A.1)		**688243619**	**0**	**688243619**	**79647784**	**0**	**688243619**	
A2	**New Items**								
1	AGC Implementation work	ABB India Limited	141733		141733			141733	
2	DIESEL LOCOMOTIVE 3100HP (2 no.s)	BANARAS LOCOMOTIVE WORKS	223182000	**0**	223182000	0	222902000	280000	
3	Up-gradation of St-1 Merrick Coal feeders -18 nos. SCR Based DC drive system to State of Art AC drive with VFD speed controller -Part of Mills	MERRICK INDUSTRIES PVT LTD	26133868.52		26133869	762218.98	4233600	21900269	
4	Retrofitting work of energy chain system in place of CRD (Cable Reeling Drum) for Paddle Feeder-1 & 2 of Track Hopper -Part of Mills	IGUS INDIA PVT LTD	7611000		7611000		637000	6974000	
	Total Add Cap (A.2)		**257068602**	**0**	**257068602**	**762219**	**227772600**	**29296002**	As per Form-9A
A3	**MBOA**								
(i)	Furniture & Fixtures		12766210	0	12766210	0	0	12766210	
(ii)	Other Office Equipments		1336467	0	1336467	0	0	1336467	
(iii)	EDP, WP Machines & SATCOM Eqipment		1989049	0	1989049	0	0	1989049	
(iv)	Communication Equipment		876432	0	876432	0	0	876432	
(v)	Lab & Workshop Equipment		2008000	0	2008000	0	0	2008000	
(vi)	Software		579000	0	579000	0	0	579000	
(vii)	Hospital Equipment		317788		317788			317788	
	Total Add Cap (A3)		**19872946**	**0**	**19872946**	**0**	**0**	**19872946**	
	Total Add Cap (A.1+A.2+A3)		**965185167**	**0**	**965185167**	**80410003**	**227772600**	**737412567**	
B	**Exclusion Items**								
B1	**CERC Disallowed Items**								
1	STEAM GENERATOR & ESP STAGE II	HAMON RESEARCH-COTTRELL INDIA PVT	176865.15		176865			176865	
2	Elect & Electronic Portion of Reclaimer-3(R&M)	BHEL	3373462		3373462			3373462	
3	R&M of FH IV & VII in FH Township	DHULIYAN BIDHABA MAHILA KALIAN	6437208		6437208			6437208	
	Sub-Total (B1) of CERC Disallowed Items		**9987535**	**0**	**9987535**	**0**	**0**	**9987535**	
B2	**Capitalization of Spares**		**819953321**	**0**	**819953321**	**-**	**15752884**	**804200437**	
B3	**Inter Unit Tansfer :**								
	Transfer-Out								
(i)	DESKTOP PC: CORE-I5 VPRO WIN, 8GB	Transferred to WRHQ II	-46787	0	-46787	-	-	-46787	
B4	**Decapitalization**								
	Subtotal Decapitalization - Part of Tariff								
(i)	Decapitalization of spares		-5554634	-50631077	-56185710	-	-	-56185710	
	Subtotal Decapitalization - Not Part of Tariff								
(i)	Decapitalization of spares		-3528026	0	-3528026	-	-	-3528026	
(ii)	Decap of MBOA		-45682	-24840367	-24886049	-	-	-24886049	
	Subtotal Decapitalization		**-3573708**	**-24840367**	**-28414075**	**0**	**0**	**-28414075**	
B5	**Overhauling of Units**								
(i)	Overhauling		724226481	-724226481	0	-	-	0	As per Form-K
(ii)	Decap Of Overhauling		-396699693	396699693	0	-	-	0	
	Subtotal Overhauling		**327526789**	**-327526789**	**0**	**0**	**0**	**0**	
B6	**Reversal Of Liability**		-6299282	0	-6299282	0	-6299282	0	
B7	**Loan ERV**		**9168447**	**0**	**9168447**	**-**	**-**	**9168447**	
	Total Exclusions		**1151161680**	**-402998232**	**748163447**	**0**	**9453602**	**738709846**	
	GROSS BLOCK ADDITION		**2116346846**	**-402998232**	**1713348614**	**80410003**	**237226202**	**1476122413**	

Form-I

DETAILS OF ASSETS DE-CAPITALISED DURING 2019-20							Part- I
							Form - 9Bi
Name of Company		NTPC LIMITED					
Name of Station		FARAKKA STPS I&II (1600 MW)					
For the year		2019-20					Amount in Rs lakhs
A	DECAP OF ASSETS - PART OF TARIFF						
	Depreciation rates						
Sl No	Name of the Assets	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Value of the Asset de-capitalised as per Note 2	INDAS Adj	Original Value of the Asset Capitalised, As per IGAAP ignoring carring cost adjustment i.e. on Gross Basis	Year put to use	Total Depreciation recovered
A1	DECAP OF SPARES	Decap claimed under exclusion as these were part of R&M packages which were not allowed by the Commission	0.43	5.97	6.40	01.11.1986	5.76
			54.62	491.54	546.15	01.09.1988	491.54
			28.74	204.73	233.47	01.07.1996	210.12
			7.42	66.74	74.16	1988-1995	66.74
	Sub-Total Decap of spares (A1)		**91.20**	**768.98**	**860.18**		**774.16**
A2	DECAP OF SPARES	Claimed under add cap	3.14	25.85	28.99	01.07.1996	26.09
			0.15	1.25	1.40	01.04.1995	1.26
			0.15	1.25	1.40	01.04.1995	1.26
			0.15	1.25	1.40	01.04.1995	1.26
			0.00	46.33	46.33	01.11.1986	41.70
			0.00	0.36	0.36	01.11.1986	0.33
			0.00	0.96	0.96	01.11.1986	0.86
			0.00	0.96	0.96	01.11.1986	0.86
			0.00	8.85	8.85	01.11.1986	7.97
			0.08	0.73	0.81	01.07.1996	0.73

			0.00	4.71	4.71	01.11.1986	4.24
			0.00	0.07	0.07	01.11.1986	0.06
			0.00	0.14	0.14	31.03.1988	0.13
			0.00	0.14	0.14	31.03.1988	0.13
			0.00	0.14	0.14	31.03.1988	0.13
			0.00	0.14	0.14	31.03.1988	0.13
	Sub-Total Decap of spares (A2)		**3.67**	**93.13**	**96.80**		**87.12**
	Sub-Total Decap of spares (A1+A2)		**94.87**	**862.11**	**956.98**		**861.28**
	Decap of MBOA Items		**0.32**	**2.84**	**3.16**		2.84
	Total Decapitalization of Assets: Part of Tariff		**95.19**	**864.95**	**960.14**		**864.13**
B	**Decapitalization of Assets : Not Part of Tariff**						
Sl No	**Name of the Assets**	**Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)**	**Value of the Asset de-capitalised as per Note 2**	**INDAS Adj**	**Original Value of the Asset Capitalised, As per IGAAP ignoring carring cost adjustment i.e. on Gross Basis**	**Year put to use**	**Remarks**
B1	DECAP OF SPARES NOT PART OF TARIFF	Claimed under exclusion	1.98	-	1.98	2018	Capitalization of these items are claimed under exclusion in the instant petition. Accordingly, corresponding decap is also claimed under exclusion.
			22.40	-	22.40	2017	
			3.20	18.57	21.77	2015	
			39.62	46.11	85.73	2014	Capitalization of these assets was kept under Exclusion in petition no 274/GT/2014 and exclusion allowed vide order 06.02.2017 at para 41 of page 24
			10.92	27.97	38.89	2013	
			37.47	19.62	57.10	2012	
			2.73	34.10	36.83	2011	Capitalization of these assets was kept under Exclusion in petition no 233/GT/2013 and
			11.90	2.08	13.98	2009	

			18.30	14.51	32.81	2010	exclusion allowed order dated 12.11.2014 page-15, para'(30)
			1.34	9.36	10.70	2008	Capitalization of these spares after cut off date not possible. As such order dated 28/04/2011 in petition 150/2009 allowed these spares to be kept under exclusion.
			-	20.56	20.56	2007	IND-AS adjustment only.
	Sub total of DECAP OF SPARES		**149.86**	**192.87**	**342.73**		

B2	**Decap of pneumatic wagons**	**Claimed under exclusion**	**135.80**	**8.63**	**144.43**	05.10.2015	
B3	**Buy Back of MBOA item-IT equipments**					26.06.2015	
	Buy Back of MBOA-IT equipments	Claimed under exclusion	0.03	0.27	0.30	27.02.2017	Capitalization of these assets was kept under Exclusion in petition no 150/2009 and exclusion allowed vide order dated 28.04.2011
			0.05	0.49	0.54	03.03.2017	
			0.04	0.36	0.40	06.02.2017	Capitalization of these assets was kept under Exclusion in petition no 233/GT/2013 and exclusion allowed order dated 12.11.2014 page-16, para'(35)
			0.27	0.82	1.10	30.06.2017	Capitalization of these assets was kept under Exclusion in petition no 274/GT/2014 and exclusion allowed order dated 06.02.2017 page-25, para'(42)
			0.56	0.00	0.56	19.08.2017	
			0.62	0.00	0.62	01.04.2017	Capitalization of these MBOA items are claimed under exclusion in the instant petition. Accordingly, corresponding decap is also claimed under exclusion.
			1.89	0.00	1.89		
			0.58	0.00	0.58		
	Sub total Buyback of MBOA		**4.04**	**1.94**	**5.98**		
	Total Decapitalization of Assets: Not a Part of Tariff		**289.71**	**203.44**	**493.15**		
	GRAND TOTAL		**384.90**	**1068.40**	**1453.29**		
							Petitioner

Form-I

Details of Assets De-capitalised during the period 2020-21

Name of the Petitioner	**NTPC Ltd**
Name of the Generating Station	**FSTPS - I&II**
COD	**01.07.1996**
For Financial Year	**2020-21**

S.N	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Value of the Asset de-capitalised as per Note 2 of BS	IndAS Adjustment	Original Value of the Asset decapitalised as per IGAAP	Year Put to use	Depreciation recovered till date of decapitalization
A1	**DECAP OF MAIN EQUIPMENT ON REPLACEMENT BY R&M**						
1	STEAM GENERATOR U#1	Decap claimed under exclusion as these were part of R&M packages which were not allowed by the Commission	30.36	273.21	303.57	01.11.1986	273
2	STEAM GENERATOR U#II		1.28	11.52	12.80	01.10.1987	12
3	CONTROL & INSTRUMENTATION		23.13	208.21	231.35	01.10.1987	208
4	CONTROL & INSTRUMENTATION		75.63	680.66	756.29	01.09.1988	681
5	LT SWITCH GEAR		3.70	33.30	37.00	01.11.1986	33
6	L T SWITCH GEAR		1.06	9.52	10.58	01.10.1987	10
7	LT SWITCH GEAR		1.03	9.31	10.34	01.09.1988	9
	TOTAL (A1)		**136.19**	**1,225.73**	**1,361.92**		**1,226**
A2	**Decap Of Spares - Part Of Tariff**						
1	STEAM GENERATOR & ESP ST-II CAPITAL SPARE	Capital Spares claimed in add cap within cut off date	7.51	64.84	72.35	01.07.1996	65
2	STEAM GENERATOR		0.53	4.31	4.85	01.04.1995	4
3	STEAM GENERATOR CAPITAL SPARE		-	46.10	46.10	01.11.1986	41
4	TURBINE GENERATOR CAPITAL SPARE		0.88	7.89	8.76	01.04.1995	8
5	TURBINE GENARATOR CAPITAL SPARE		-	4.84	4.84	01.11.1986	4
6	SEAL OIL DIFFERENTIAL PRESSURE REGULATOR		-	10.41	10.41	01.11.1986	9
7	CHP ST-II CAPITAL SPARE		1.06	9.30	10.36	01.07.1996	9
8	COAL HANDLING PLANT CAPITAL SPARE		-	21.56	21.56	01.11.1986	19
9	AHP ST-II CAPITAL SPARE		2.03	20.13	22.15	01.07.1996	20
10	C & I CAPITAL SPARE		1.91	15.81	17.72	01.07.1996	16
11	COMPLETE OPACITY MONITOR IN SITU TYPE		0.44	3.73	4.17	01.07.1996	4
12	MONITORING UNIT AND SWITCH OVER UNIT		0.78	7.02	7.80	01.04.1995	7
13	CONTROL & INSTRUMENTATION CAPITAL SPARE		-	12.52	12.52	01.11.1986	11
14	CONTROL & INSTRUMENTATION		-	2.35	2.35	01.09.1988	2
15	LT SWITCH GEAR CAPITAL SPARE		-	31.32	31.32	01.11.1986	28
16	ELECTRICAL MAIN EQUIPMENT		-	0.52	0.52	01.09.1988	0
17	420KV/2000AMP/SF6/CIRCUIT BREAKER CAPITAL		0.43	3.84	4.27	01.04.1995	4
	TOTAL (A2)		**15.57**	**266.49**	**282.06**		**254**
	Total Decapitalization of Assets: Part of Tariff (A1+A2)		**151.76**	**1,492.22**	**1,643.98**		**1,479.58**
B	**Decap Of Spares - Not Part Of Tariff**						
1	PIN RACK BAR ASSY. WITH SETTING FIXTUR	Capitalization of these spares after cut off date not possible. As such CERC order allowed these spares to be kept under exclusion	0.86	2.99	3.85	19.09.2008	3
2	C.F.S LIGHTER ASSY,7587G100 **(CAP/03)		33.48	4.62	38.09	27.10.2014	34
3	AIR MOTOR		-	5.33	5.33	31.12.2009	5
4	ECONOMISER-I COIL OF 210MW BOILER		-	21.57	21.57	30.01.2014	19
5	LP PISTON ASSY CAPT-03		0.08	-	0.08	06.09.2012	0
6	FAS 2"CL-1500,GLOBE VALVE SW END MO,FW		-	1.22	1.22	28.02.2008	1
7	STATOR WINDING BAR(LOWER) 1-5540-083-		-	5.48	5.48	15.10.2008	5
8	COMPLETE GEAR BOX TYPE H1-140		-	3.66	3.66	05.08.2010	3
9	STATOR WINDING BAR(LOWER) 1-5540-083-		-	21.66	21.66	21.01.2013	19
10	IMPELLER FOR CEP (CAPT/03)		-	12.23	12.23	12.08.2013	11
11	GB:MAMC:IMK250C:COMP ASSY		10.25	1.19	11.44	25.09.2014	10
12	GEAR BOX (FOR BOTTOM CONVEYOR DRIVE) NI		-	4.16	4.16	30.06.2008	4
13	PLOUGH FEEDER ROTOR PUMP,A4VG 125../F001		-	5.05	5.05	29.03.2013	5
14	BOWL ASSEMBLY OF STG-I CWP		-	80.72	80.72	15.04.2009	73
15	HARD DISC DRIVE FP63-E (CAPT/03),MODEL		0.25	2.21	2.45	28.03.2008	2
16	CENTRAL PROCESSOR MOUDLE(CAPT/07-08)		0.37	3.32	3.69	18.03.2008	3
17	NSEM01, SOE MASTER MODULE		-	10.49	10.49	30.03.2013	9
18	STATOR BAR UPPER TERMINAL		-	6.41	6.41	05.11.2011	6
19	STATOR WINDING BAR(UPPER)		-	76.95	76.95	05.11.2011	69
20	2500KVA EXCITATION TRANSFORMER		-0.54	53.99	53.45	23.08.2014	48
21	20W/H:HYDRAULIC CYLINDER (COMPLETE ASS		1.66	0.40	2.05	20.02.2014	2
22	20W/H:CLAMP PIVOT BRACKET		37.32	-	37.32	19.12.2014	34
23	99-TAS-80:COMPLETE SET OF LINERS		6.48	-	6.48	18.01.2016	6
24	99-TAS-80:COMPLETE SET OF LINERS		6.48	-	6.48	17.11.2015	6
25	FLEXIBLE RIGID GEAR COUPLING:FB9 TYPE-		0.55	-	0.55	02.08.2018	0
	TOTAL		**97.23**	**323.65**	**420.89**		**379**
C	Decap of BOBR wagons due to accident	claimed under exclusion	237.19	-	237.19		
D	**Buy Back of MBOA-IT Equipment**						-
	PC PENTIUM-IV PROCESSOR BASED PC MACHINE	claimed under exclusion	0.04	0.37	0.41	2006	
	PENTIUM-IV PROCESSOR BASED PC MACHINE.		0.04	0.32	0.36	2007	
	LASER PRINTER		0.01	0.08	0.09	2007	
	PENTIUM CORE 2 DUO PROCESSOR PC (4 no.s)		0.12	1.09	1.21	2008	
	LASER PRINTER (4 no.s)		0.03	0.24	0.26	2008	
	PC:C2D2.4G4L2,2GBQ965,160GB (2 no.s)		0.06	0.51	0.57	2009	
	PERS.COMPUTER,CORE2DUO,RAM:4GB,TFT-17 (22 no.s)		0.88	7.92	8.80	2011	
	LAPTOP: I-5,2.1-3.0GHZ,TFT-14"/15" & MOUSE (2 no.s)		1.28	-	1.28	2015	
	LAPTOP:I-5,2.1-3GHZ,MONITOR:13.3, 4GB (3 no.s)		1.68	-	1.68	2013	
	LAPTOP:I-5, Min.2.5GHZ,MONITOR:13.3, 4GB		0.84	-	0.84	2016	
	MBOA-IT Equipment Buy Back		**4.97**	**10.53**	**15.50**		

Details of Assets De-capitalised during the period 2020-21

Name of the Petitioner	**NTPC Ltd**
Name of the Generating Station	**FSTPS - I&II**
COD	**01.07.1996**
For Financial Year	**2020-21**

S.N	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Value of the Asset de-capitalised as per Note 2 of BS	IndAS Adjustment	Original Value of the Asset decapitalised as per IGAAP	Year Put to use	Depreciation recovered till date of decapitalization
E	ABT System for ERP	Disallowed in order dated 06.02.17 in 274/GT/2014. Hence decap claimed under exclusion	10.87	6.37	17.24	2013	
F	MBOAs (Hero-honda Motorcycles), Crane, BEML	claimed under exclusion	11.65	0.88	12.53	2010	
G	Write Off as per PV		13.69	118.82	132.51		
	Total Decapitalization of Assets: Not Part of Tariff		**375.61**	**460.25**	**835.86**		**5.84**
	TOTAL		**527.37**	**1,952.47**	**2,479.84**		**-**

Form-I

DETAILS OF ASSETS DE-CAPITALISED DURING 2021-22							
							Form - I
Name of Company		NTPC LIMITED					
Name of Station		FARAKKA STPS I&II (1600 MW)					
For the year		2021-22					Amount in Rs lakhs
A	DECAP OF ASSETS - PART OF TARIFF						
	Depreciation rates						
Sl No	Name of the Assets	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Value of the Asset de-capitalised as per Note 2	INDAS Adj	Original Value of the Asset Capitalised, As per IGAAP ignoring carring cost adjustment i.e. on Gross Basis	Year put to use	Total Depreciation recovered
	TURBINE GENARATOR CAPITAL SPARE		0.00	8.42	8.42	1986	7.58
	STEAM GENERATOR & ESP ST-11 CAPITAL SPAR		13.75	108.77	122.52	1996	110.26
	IMPELLER & HUB CW FOR SEAL AIR FAN AB39		0.06	0.39	0.45	1996	0.41
	IMPELLER & HUB CW FOR SEAL AIR FAN AB39		0.06	0.39	0.45	1996	0.41
	STEAM GENERATOR		0.25	1.99	2.24	1995	2.01
	STEAM SH1 O/L INT GATE V/V HAND OPTD,B		0.28	2.37	2.65	1995	2.39
	2ND INTERNAL SHAFT ASSEMBLY FOR GB		3.08	27.71	30.79	1995	27.71
	ATOMISER ASY,7587E318(B&W DWG#US146569		1.45	0.00	1.45	1995	1.30
	C.F.S LIGHTER ASSY,7587G100 **(CAP/03)		12.70	0.00	12.70	1995	11.43
	STEAM GENERATOR CAPITAL SPARE		0.00	57.32	57.32	1986	51.59
	VERTICAL SHAFT HY 611801173001 FOR BOWL		0.00	3.69	3.69	1986	3.32
	WORM GEAR HUB HY 611801193001 FOR BOWL		0.00	3.00	3.00	1986	2.70
	REHEATER SPRAY CONT.VALVE SIZE-1.5"RATI		0.00	3.31	3.31	1986	2.98
	REHEATER SPRAY CONT.VALVE SIZE-1.5"RATI		0.00	3.31	3.31	1986	2.98
	ECONOMISER-I COIL OF 210MW BOILER		0.00	15.53	15.53	1986	13.97
	TURBINE GENERATOR ST -11 CAPITAL SPARE		2.70	24.04	26.74	1996	24.07
	TURBINE GENERATOR CAPITAL SPARE		0.77	6.93	7.70	1995	6.93
	REFRIGERATION TYPE H2 DRIER CAPACITY 40		1.36	6.54	7.90	1995	7.11
	L.P ROTOR MOVING BLADE 2R CAPT-03		99.89	119.87	219.76	1995	197.78
	L.P ROTOR MOVING BLADE 1L CAPT-03		0.25	2.22	2.47	1995	2.22
	L.P ROTOR MOVING BLADE 1R CAPT-03		1.98	17.78	19.75	1995	17.78
A1	PUMP SHAFT, PART NO.13		2.48	1.98	4.46	1995	4.02
	MOVING BLADE (3L)	Decap claimed in add cap	0.00	17.94	17.94	1986	16.15
	CHP ST-11 CAPITAL SPARE		4.09	36.78	40.87	1996	36.78
	COAL HANDLING PLANT		2.24	20.12	22.35	1986	20.12

	AHP ST-II CAPITAL SPARE		0.44	4.36	4.80	1996	4.32
	ASH HANDLING SYSTEM		0.94	8.49	9.44	1996	8.49
	ASH HANDLING		0.20	1.84	2.04	1995	1.84
	C & I CAPITAL SPARE		5.36	44.25	49.60	1996	44.64
	ACTUATOR COMPLETE LIMITORQUE		0.66	0.35	1.01	1995	0.91
	LEAK STEAM CONTROL VALVE ACTUATOR ST#2		14.62	0.73	15.35	1995	13.82
	CONTROL & INSTRUMENTATION CAPITAL SPARE		0.00	14.59	14.59	1986	13.13
	HYDRAULIC ACTUATOR, ASM 100-10 FOR HPB		0.00	8.57	8.57	1986	7.71
	SMART PRESSURE TRANSMITTER 0-10KG/CM2		0.00	0.23	0.23	1986	0.21
	GENETIX COLOR USER INTERFACE; MERRICK		0.00	4.86	4.86	1986	4.37
	MOTOR ENCODER/RING TACHOMETER; MERRICK		0.00	1.15	1.15	1986	1.03
	REMOTE POSITION TRANSMITTER FOR EHC		0.00	1.58	1.58	1986	1.42
	CONTROL & INSTRUMENTATION		0.00	16.48	16.48	1988	14.83
	STATION LIGHTING CAPITAL SPARE		0.27	3.24	3.51	1996	3.16
	MOTR 1SQL6.6KV:600-605KW:6P:B3 TEFC HF		25.81	7.94	33.75	1996	30.38
	ACB 3PH 650V 1600A SIEMENS MAKE		12.78	0.85	13.64	1996	12.27
	LT SWITCH GEAR CAPITAL SPARE		0.00	7.25	7.25	1986	6.52
	AREVA VAJH13YF67B		0.00	0.06	0.06	1986	0.06
	ESP ST II		174.41	1569.72	1744.14	1995	1569.72
	Upgradation of DDCMIS ST-II		0.13	0.00	0.13	2018	0.00
	Sub-Total Decap of spares (Part Of Tariff)		**383.00**	**2186.92**	**2569.92**		**2,312.81**
	STEAM GENERATOR U#I		1.92	17.28	19.20	1986	17.28
	STEAM GENERATOR U#III		26.21	235.90	262.11	1988	235.90
	TURBINE GENARATOR CAPITAL SPARE		0.00	227.50	227.50	1986	204.75
	COAL HANDLING SYSTEM		6.09	54.81	60.90	1995	54.81
	CONTROL & INSTRUMENTATION		35.54	319.87	355.41	1986	319.87
	LT SWITCH GEAR		3.71	33.38	37.09	1986	33.38
	SWITCH GEAR		3.30	29.70	33.00	1988	29.70
			76.77	**918.43**	**995.21**		**895.68**
Total Decapitalization of Assets: Part of Tariff			**459.77**	**3105.35**	**3565.12**		**3208.50**
B	**Decapitalization of Assets : Not Part of Tariff**						
Sl No	**Name of the Assets**	**Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)**	**Value of the Asset de-capitalised as per Note 2**	**INDAS Adj**	**Original Value of the Asset Capitalised, As per IGAAP ignoring carring cost adjustment i.e. on Gross Basis**	**Year put to use**	**Remarks**

B1	**DECAP OF SPARES**						
	DUAL LOAD CELLS WITH WEIGH SUSPENSION		2.50	-	2.50	2014	
	COLD END SECTOR PLATE ASSEMBLE		11.51	-	11.51	2012	
	L&T-20W/H:VAR.DISP.PUMP		17.64	-	17.64	2014	
	BEARING HOUSING AND ASSEMBLY		23.05	-	23.05	2010	
	HOT END SECTOR PLATE ASLY,AIR PREHEATE		11.24	-	11.24	2016	
	MPS 89G:ROLL WHEEL SEAL AIR ASSY.		18.88	-	18.88	2016	
	S.S.LANCE ASSY.LRSB 57R/58L. 84 2..800		2.40	-	2.40	2017	After 2004 capital spares are not being allowed as a part of add cap. Hence their decap is also kept under exclusion
	Sub total of DECAP OF SPARES		**87.22**	**0.00**	**87.22**		
B2	**Buy Back of MBOA item-IT equipments**						
	Buy Back - PENTIUM-IV PROCESSOR BASED PC MACHINE		0.04	0.32	0.36	2007	
	Buy Back -LASER PRINTER		0.39	3.54	3.93	2007	
	Buy Back - PERS.COMPUTER,CORE2DUO,RAM:4GB,TFT-17		2.44	21.95	24.39	2011	As no MBOA items are claimed in the FY'2021-22 in the instant petition, corresponding decap of MBOA items are also claimed under exclusion.
	Buy Back - Notebook PC pavillion 14-cd0080TU-HP		0.60	0.00	0.60	2021	
	Sub total Buyback of MBOA		**3.47**	**25.81**	**29.28**		
B3	**Write Off as per physical verification**		**2.62**	**94.57**	**97.19**		
Total Decapitalization of Assets: Not a Part of Tariff			**93.30**	**120.39**	**213.69**		
	GRAND TOTAL		**553.07**	**3225.74**	**3778.81**		
							Petitioner

Form-I

DETAILS OF ASSETS DE-CAPITALISED DURING 2022-23							
							Form - I
Name of Company		**NTPC LIMITED**					
Name of Station		**FARAKKA STPS I&II (1600 MW)**					
For the year		**2022-23**					**Amount in Rs lakhs**
A	**DECAP OF ASSETS - PART OF TARIFF**						
Sl No	**Name of the Assets**	**Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)**	**Value of the Asset de-capitalised as per Note 2**	**INDAS Adj**	**Original Value of the Asset Capitalised, As per IGAAP ignoring carring cost adjustment i.e. on Gross Basis**	**Year put to use**	**Total Depreciation recovered**
	STEAM GENERATOR & ESP ST-II		0.54	4.84	5.37	01-07-1996	4.84
	STEAM GENERATOR & ESP ST-II CAPITAL SPARE		6.07	0.00	6.07	01-07-1996	5.46
	SHAFT DRG.NO-KKK 16260161320 FOR F.D FA		1.51	9.78	11.29	01-07-1996	10.16
	ESP ST-II		268.87	2419.83	2688.70	01-07-1996	2419.83
	STEAM GENERATOR		5.56	50.06	55.62	01-04-1995	50.06
	HIGH SPEED SHAFT ASSEMBLY		2.60	21.85	24.46	01-04-1995	22.01
	C.F.S LIGHTER ASSY.WITH RACER ATOMISER (3 no.s)		0.09	0.41	0.50	01-04-1995	0.45
	GEAR BOX FOR MPS 89G MILL		0.77	6.91	7.68	01-04-1995	6.91
	EBD ISOLN.V/V A105,MOTOR(W/O ACTUATOR)		0.22	1.99	2.21	01-04-1995	1.99
	2ND INTERNAL SHAFT ASSEMBLY FOR GB		5.21	10.18	15.40	01-04-1995	13.86
	REHEATR SPRAY CONTRL GLOBEV/V,CAPITALI		5.66	0.66	6.32	01-04-1995	5.69
	STEAM GENERATOR U#1		0.08	0.70	0.78	01-11-1986	0.70
	STEAM GENERATOR CAPITAL SPARE		0.00	27.44	27.44	01-11-1986	24.70
	VERTICAL SHAFT HY 611801173001 FOR BOWL		0.00	3.69	3.69	01-11-1986	3.32
	REHEATER SPRAY CONT.VALVE SIZE-1.5"RATI (4 no.s)		0.00	13.23	13.23	01-11-1986	11.91
	WORM GEAR HUB HY 611801193001 FOR BOWL		0.00	3.24	3.24	01-11-1986	2.92
	BOWL HUB HY 611802743001 FOR BOWL MILL		0.00	3.32	3.32	01-11-1986	2.99
	SLIP RING WITH BUSH		0.00	8.71	8.71	01-11-1986	7.84
A1	STEAM GENERATOR U#II		0.13	1.18	1.31	01-10-1987	1.18
	TURBINE GENERATOR CAPITAL SPARE		1.03	9.31	10.34	01-04-1995	9.31
	COMPENSATOR ASSY		1.23	2.36	3.59	01-04-1995	3.23
	CRANKSHAFT FORGING		1.33	1.13	2.46	01-04-1995	2.21
	COMPENSATOR,DN 500;8W;L=304		1.60	0.48	2.08	01-04-1995	1.87

	COMPENSATOR FOR EXT.A2,DN800X10		2.94	2.25	5.19	01-04-1995	4.67
	TURBINE GENARATOR CAPITAL SPARE	Part Of Initial Spares	0.00	5.60	5.60	01-11-1986	5.04
	3650120010 IMPELLER FOR BHR-35 PUMP 18 DEG (IMPEL		0.00	0.65	0.65	01-11-1986	0.59
	M3246666146 INTERMEDIATE SHAFT FILTER WITH SLEEVE		0.00	2.24	2.24	01-11-1986	2.02
	M3358356037 DEGASSER WATER PUMP P7(CAPITALISED)		0.00	1.76	1.76	01-11-1986	1.58
	M5003016271 COMPENSATOR CAPT-03		0.00	20.32	20.32	01-11-1986	18.29
	CHP ST-II		7.59	68.31	75.90	01-07-1996	68.31
	COAL HANDLING SYSTEM		4.45	40.09	44.55	01-04-1995	40.09
	GEAR COUPLING,PILOT BORE 140MM,CAPACITY		0.20	0.41	0.61	01-04-1995	0.55
	GEAR CUPLNG,GC-10-14-16,PILOT BORE 140		0.00	0.28	0.28	01-11-1986	0.25
	COAL HANDLING PLANT CAPITAL SPARE		0.00	43.35	43.35	01-11-1986	39.01
	WORM GEAR HUB HY 611801193001 FOR BOWL		0.00	2.50	2.50	01-11-1986	2.25
	VERTICAL SHAFT HY 611801173001 FOR BOWL		0.00	3.11	3.11	01-11-1986	2.79
	COAL HANDLING PLANT		0.13	1.21	1.34	01-10-1987	1.21
	ASH HANDLING		0.90	8.12	9.03	01-04-1995	8.12
	ASH HANDLING PLANT CAPITAL SPARE		0.00	0.72	0.72	01-11-1986	0.64
	C & I CAPITAL SPARE		0.35	2.88	3.23	01-07-1996	2.91
	CONTROL & INSTRUMENTATION		2.67	24.06	26.73	01-04-1995	24.06
	CONTROL & INSTRUMENTATION		0.27	2.41	2.68	01-11-1986	2.41
	CONTROL & INSTRUMENTATION CAPITAL SPARE		0.00	38.67	38.67	01-11-1986	34.80
	INSPECTA MUX BOX: FFT-4-32; INSTROTECH		0.00	20.19	20.19	01-11-1986	18.17
	CONTROL & INSTRUMENTATION		0.00	4.59	4.59	01-09-1988	4.13
	IMPELLER SHAFT PN-186,MC-053		0.00	1.33	1.33	01-11-1986	1.20
	ACB 3PH 650V 1600A SIEMENS MAKE		3.41	0.00	3.41	01-07-1996	3.07
	CF PUMP MOTOR,132KW,FRAME-315M,SIEMEN		0.00	5.05	5.05	01-11-1986	4.54
	ELECTRICAL MAIN EQUIPMENT		0.00	0.70	0.70	01-09-1988	0.63
	Up gradation of DDCMIS ST-II	Allowed in 698/GT/2020 as add cap	0.18	0.00	0.18	09-05-2018	0.04
	Decap Of Spares (Part Of Tariff)		**325.60**	**2902.10**	**3227.71**		**2,904.82**
A2	**DECAP OF MBOA (Part Of Tariff)**		4.80	172.94	177.74		159.97
Total Decapitalization of Assets: Part of Tariff			**330.40**	**3075.05**	**3405.45**		**3064.78**
B1	**Decap Of Spares - Not Part Of Tariff**						

Sl No	Name of the Assets	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Value of the Asset de-capitalised as per Note 2	INDAS Adj	Original Value of the Asset Capitalised, As per IGAAP ignoring carring cost adjustment i.e. on Gross Basis	Year put to use	Remarks
1	20W/H:HYDRAULIC CYLINDER (COMPLETE ASS	Claimed under exclusion	2.05	0.00	2.05	02-07-2009	
2	BOTTOM DISCHARGE HOPPER WAGON 60 T (4 no.s)		118.60	0.00	118.60	16-09-2017	
3	AXIAL SEAL PLATE ASSEMBLY PAPH		9.93	0.00	9.93	15-03-2013	
4	AXIAL SEAL PLATE ASSMBLY FR SAPH (30.5		15.99	0.00	15.99	22-03-2013	
5	CCS GLOBE VALVE 65MM MOTORISED		4.74	0.00	4.74	12-06-2015	
6	IMASI23 THERMOCOUPLE INPUT MODULE		15.41	0.00	15.41	26-06-2015	
7	BEARING SKF-23060.CCK.W33.C3		1.87	0.00	1.87	14-07-2015	
8	MPS 89G:ROLL WHEEL SEAL AIR ASSY.		6.04	0.00	6.04	26-09-2016	
9	WEAR PART BULLRING SEG.COMPL.		2.37	0.00	2.37	01-04-2017	
10	MATL-14E02:DRIVE END SHAFT		0.27	0.00	0.27	01-04-2017	
	Sub total of DECAP OF SPARES		**177.27**	**0.00**	**177.27**		
B2	**DECAP OF MBOA**		47.96	115.35	163.32		
Total Decapitalization of Assets: Not a Part of Tariff			**225.23**	**115.35**	**340.59**		
	GRAND TOTAL		**555.64**	**3190.40**	**3746.04**		
							Petitioner

Form-I

DETAILS OF ASSETS DE-CAPITALISED DURING 2023-24							
							Form - I
Name of Company		**NTPC LIMITED**					
Name of Station		**FARAKKA STPS I&II (1600 MW)**					
For the year		**2023-24**					**Amount in Rs lakhs**
A	**DECAP OF ASSETS - PART OF TARIFF**						
Sl No	**Name of the Assets**	**Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)**	**Value of the Asset de-capitalised as per Note 2**	**INDAS Adj**	**Original Value of the Asset Capitalised, As per IGAAP ignoring carring cost adjustment i.e. on Gross Basis**	**Year put to use**	**Total Depreciation recovered**
A1	STEAM GENERATOR & ESP ST-II	Part Of Initial Spares	1.20	10.82	12.03	01-07-1996	10.82
	STEAM GENERATOR & ESP ST-II CAPITAL SPARE		5.43	0.00	5.43	01-07-1996	4.89
	STEAM GENERATOR & ESP STAGE-II		4.41	39.68	44.09	01-04-1995	39.68
	M4768096001 BELT DRIVE REDUCER FOR STOCK COAL FEED		0.62	1.43	2.05	01-04-1995	1.84
	STEAM GENERATOR & ESP STAGE-II CAPITAL S		0.50	4.96	5.46	01-04-1995	4.92
	STEAM GENERATOR CAPITAL SPARE		0.00	36.53	36.53	01-11-1986	32.87
	SUPERHEATER SPRAY CONTROL VALVE		0.00	7.19	7.19	01-11-1986	6.47
	SUPERHEATER SPRAY CONTROL VALVE		0.04	3.76	3.80	01-11-1986	3.42
	TURBINE GENERATOR ST -II CAPITAL SPARE		2.16	19.22	21.38	01-07-1996	19.24
	COMPENSATOR FOR EXT.A1-DN 600X12		0.61	5.49	6.10	01-04-1995	5.49
	COMPENSATOR FOR LPT INLET		1.54	6.14	7.68	01-04-1995	6.91
	TURBINE GENARATOR CAPITAL SPARE		0.00	2.51	2.51	01-11-1986	2.26
	TURBOCHARGER		0.00	2.38	2.38	01-11-1986	2.14
	COMPENSATOR DN 800		0.00	1.69	1.69	01-11-1986	1.52
	CHP ST-II		5.07	45.61	50.67	01-07-1996	45.61
	CAGE FRAME FOR CRUSHER TKK-48 X 103		7.81	5.62	13.43	01-07-1996	12.09
	CHP ST-II B PACKG ERECTION		2.68	24.15	26.83	01-07-1996	24.15
	COAL HANDLING SYSTEM		10.71	96.41	107.12	01-04-1995	96.41
	FLUID COUPLING CDIR-584		1.47	1.18	2.65	01-04-1995	2.38
	COAL HANDLING PLANT CAPITAL SPARE		0.00	83.97	83.97	01-11-1986	75.58
	COAL HANDLING PLANT		1.04	9.37	10.41	01-09-1988	9.37
	ASH HANDLING SYSTEM		0.60	5.40	6.00	01-07-1996	5.40
	ASH HANDLING PLANT CAPITAL SPARE		0.00	1.11	1.11	01-11-1986	0.99

	C & I CAPITAL SPARE		1.55	12.77	14.32	01-07-1996	12.89
	CONTROL & INSTRUMENTATION		0.01	0.11	0.13	01-04-1995	0.11
	CONTROL & INSTRUMENTATION		1.49	13.42	14.91	01-11-1986	13.42
	CONTROL & INSTRUMENTATION CAPITAL SPARE		0.00	18.52	18.52	01-11-1986	16.67
	DP TRANSMITTER 0-4 KG/CM2		0.00	0.55	0.55	01-11-1986	0.50
	INSPECTA MUX CPU IOWA CARD FOR ASLD		0.00	1.43	1.43	01-11-1986	1.29
	SMART PRESSURE TRANSMITTER 0-10KG/CM2		0.00	0.46	0.46	01-11-1986	0.41
	CONTROL & INSTRUMENTATION		1.16	10.41	11.57	01-10-1987	10.41
	CONTROL & INSTRUMENTATION		3.78	34.03	37.81	01-09-1988	34.03
	Up gradation of DDCMIS ST-II	Allowed in 698/GT/2020 as add cap	1.66	0.00	1.66	09-05-2018	0.44
	Decap Of Spares (Part Of Tariff)		**55.55**	**506.31**	**561.86**		**504.62**
	Decap Of Spares - Not Part Of Tariff						
Sl No	**Name of the Assets**	**Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)**	**Value of the Asset de-capitalised as per Note 2**	**INDAS Adj**	**Original Value of the Asset Capitalised, As per IGAAP ignoring carring cost adjustment i.e. on Gross Basis**		**Remarks**
B1	**DECAP OF SPARES**						
1	IMASI23 THERMOCOUPLE INPUT MODULE	Claimed under exclusion	7.70	0.00	7.70	2015	After 2004 capital spares are not being allowed as a part of add cap. Hence their decap is also kept under exclusion
2	GEAR BOX:KCH250 COMP.ASSY ELECON		27.58	0.00	27.58	2019	
	Sub total of DECAP OF SPARES		**35.28**	**0.00**	**35.28**		
B2	**DECAP OF MBOA**	Claimed under exclusion	0.46	248.40	248.86		
Total Decapitalization of Assets: Not a Part of Tariff			**35.74**	**248.40**	**284.14**		
	GRAND TOTAL		**91.28**	**754.71**	**846.00**		
							Petitioner

Part-1
Form-J

Reconciliation of capitalisation claimed vis-à-vis books

Name of the Petitioner	**NTPC Ltd**
Name of the Generating Station	**Farakka STPS Stage - I &II**
COD	**01.07.1996**

Amount in Rs Lakh

Sl No	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	Closing Gross Block as per IND AS	4,00,436.13	4,12,947.64	4,43,439.14	4,59,326.10	4,85,875.17
2	**IND AS Adjustments**					
c	Less: IND AS Adj of Decapitalisation (Mitigating the impact of carrying cost exemption to arrive)	1,090.73	1,975.95	3,255.73	-5,168.59	-1,426.50
d	Less: Total addition in capital OH asset class (including adjustments also)	6,384.91	4,452.24	3,607.66	7,227.79	6,398.82
e	Add: Decapitalisation of capital Overhauling during the year	2,516.32	6,929.06	-	-	
f	Add/Less: Any other IND AS adjustment having impact on Property, Plant & Equipments	-14.56	0.73	-390.14	189.93	
	Subtotal IND AS ADJ (2a-2b-2c-2d+2e+2f)	**-4,944.76**	**500.13**	**-6,473.25**	**-2,249.14**	**-4,972.32**
3	Closing Gross Block as per IGAAP	6,90,998.22	7,04,009.86	7,28,028.11	7,41,665.93	7,63,242.69
4	Opening Gross Block as per IND AS	3,74,434.35	4,00,436.13	4,12,947.64	4,43,439.14	4,59,326.10
5	Add/ Less: Adjustments	2,95,506.85	2,90,562.09	2,91,062.22	2,84,588.97	2,82,339.83
6	Opening Gross Block as per IGAAP	6,69,941.20	6,90,998.22	7,04,009.86	7,28,028.11	7,41,665.93
7	Total Additions as per books (G = 3 - 6)	21,057.02	13,011.65	24,018.25	13,637.83	21,576.75
8	Less: Additions as per IGAAP pertaining to other stages (**Give Stagewise break up**)	15,758.02	2,416.38	2,913.52	5,120.23	4,443.27
9	Net Additions pertaining to instant Stage	5,298.99	10,595.27	21,104.73	8,517.59	17,133.49
10	Less: Exclusions (Items not allowable/not claimed) (accrual basis)	**4,280.22**	**6,358.14**	**9,392.50**	**548.16**	**7,481.63**
11	Net Additional Capital Expenditure Claimed (on accrual basis)	1,018.77	4,237.13	11,712.23	7,969.43	9,651.85
12	Less: Un-discharged Liabilities (as per IGAAP)	171.83	646.68	1,200.91	645.66	2,277.73
13	Add: Discharges of un-discharged liabilities, corresponding to admitted assets/works (as per IGAAP)	171.97	671.13	571.76	1,286.44	633.46
14	Net Additional Capital Expenditure Claimed (on cash basis)	**1,018.91**	**4,261.57**	**11,083.08**	**8,610.21**	**8,007.59**

Form-K

								PART-I
Statement showing items/assets/works claimed under Exclusions for the year 2019-20								
Name of the Petitioner					**NTPC Ltd.**			
Name of the Generating Station					**Farakka STPS- I & II (1600 MW)**			
COD					**01.07.1996**			
For the year					**2019-20**			**Rs in Lakhs**
Sl. No.	**Head of Work / Equipment**	**ACE Claimed under Exclusion**						**Justification**
		Accrual basis	**IND AS Adjustment**	**Accrual basis as per IGAAP**	**Undischarged Liability included in col. 3**	**Cash basis**	**IDC included in col. 3**	
(1)	**(2)**	**(3)**	**3A**	**3B=3+3A**	**(4)**	**(5=3B-4)**	**(6)**	**(7)**
1	**CERC Disallowed items**							
i	Procurement of Mills (1 unit)	60.16	0.00	60.16	0.00	60.16	11.74	Disallowed by Hon'ble CERC vide order dtd: 14.06.12 in 222/GT/2009 (CEA Approved R&M Schemes)
ii	Refurbishment of 200 MW HP Turbine Module	581.88	0.00	581.88	0.00	581.88	82.09	
	Sub total of Disallowed Items	**642.03**	**0.00**	**642.03**	**0.00**	**642.03**	**93.83**	
2	Leasehold Land for Jetty_12.73 Acre	18.96	0.00	18.96	0.00	18.96	0.00	A tripartite agreement was signed between NTPC, JITF and Ganga Water for transportation of imported coal to NTPC Farakka, for which unloading facility was to be built at Farakka by JITF. The agreement mentioned that the unloading infrastructure shall be handed over to NTPC after 07 years from completion of Phase II system @ Rs1. JITF recovered the infrastructure cost through imported coal transportation charges. Thus this item was kept under exclusion as NTPC did not pay for building this jetty. Also this leashold land qualifies as Finance Lease as per NTPC's accounting principles.
3	**Contractor FERV**							
i	STEAM GENERATOR & ESP STAGE II	86.83	0.00	86.83	86.83	0.00	0.00	Hon'ble CERC has been considering Contractor FERV as exclusion for the purpose of tariff
ii	CONTROL & INSTRUMENTATION	11.18	0.00	11.18	11.18	0.00	0.00	
iii	UNIT AND STATION TRANSFORMER	1.47	0.00	1.47	1.47	0.00	0.00	
	Subtotal Contractor FERV	**99.47**	**0.00**	**99.47**	**99.47**	**0.00**	**0.00**	
5	**Capitalization of Spares**	4,857.09	0.00	4,857.09	470.21	4,386.89	0.00	Capitalization of capital spares is not admissible as per CERC Tariff Regulations 2019. Therefore, the same is kept under exclusion.
	Sub total of Capitalization of Spares	**4,857.09**	**0.00**	**4,857.09**	**470.21**	**4,386.89**	**0.00**	
6	**Inter Unit Tansfer :**							

	Transfer-In							
	From Badarpur - Comp Engine Assembly for BEML ma	9.40	8.83	18.23	0.00	18.23	0.00	
	From Barh - Laptop	2.32	0.00	2.32	0.00	2.32	0.00	
	From CC Laptop	0.62	0.00	0.62	0.00	0.62	0.00	
	From Kolkata Desktop	0.58	0.00	0.58	0.00	0.58	0.00	
	From Patna Laptop	1.21	0.00	1.21	0.00	1.21	0.00	
	Transfer-Out							Hon'ble CERC has considered inter unit transfers as exclusion for the purpose of tariff
	to Barh - Furniture & Printer	-0.27	-0.74	-1.01	0.00	-1.01	0.00	
	to CC - Laptop	-0.81	-0.75	-1.56	0.00	-1.56	0.00	
	to Kahalgaon - Laptop	-0.06	-0.58	-0.64	0.00	-0.64	0.00	
	to Patna - Laptop	-0.24	-0.29	-0.53	0.00	-0.53	0.00	
	to Barh Scanner	0.00	-0.07	-0.07	0.00	-0.07	0.00	
	Sub Total Interunit Transfer	**12.75**	**6.41**	**19.15**	**0.00**	**19.15**	**0.00**	
7	**Decapitalization**							
A	**Decapitalization - Part of Tariff**							
	STEAM GENERATOR U#1	-0.43	-5.97	-6.40	0.00	-6.40	0.00	Replacement of Main Plant Equipment under R&M. Therefore the corresponding decap are also kept under exclusion.
	TURBINE GENERATOR U#III	-54.62	-491.54	-546.15	0.00	-546.15	0.00	
	GENERATOR TRANSFORMER	-28.74	-204.73	-233.47	0.00	-233.47	0.00	
	MGR Wagons and other items	-7.42	-66.74	-74.16	0.00	-74.16	0.00	Disallowed by Hon'ble CERC vide order dtd: 14.06.12 in 222/GT/2009. So decapitalization is kept under exclusion.
	MBOAs-Hero Honda Motorcycle	-0.32	-2.84	-3.16	0.00	-3.16	0.00	Since no MBOA items are being claimed as add-cap in 2019-20, Hon'ble Commission may be pleased to allow the decap of MBOAs under exclusion
	Sub total - Decaptilization-Part of tariff	**-91.52**	**-771.82**	**-863.34**	**0.00**	**-863.34**	**0.00**	
B	**Decapitalization - Not Part of Tariff**							
	Decapitalization of spares	-149.86	-192.87	-342.74	0.00	-342.74	0.00	These assets were not part of capital cost of the project. So claimed under exclusion
	Decap of pneumatic wagons	-135.80	-8.63	-144.43	0.00	-144.43	0.00	
	Buy Back of MBOA-IT Equipment	-4.04	-1.94	-5.98	0.00	-5.98	0.00	
	Subtotal Decapitalization - Not Part of Tariff	**-289.71**	**-203.44**	**-493.15**	**0.00**	**-493.15**	**0.00**	
	Subtotal Decapitalization	**-381.23**	**-975.27**	**-1,356.49**	**0.00**	**-1,356.49**	**0.00**	
8	**Overhauling of Units**							

	Overhauling of Units	3,513.19	-3,513.19	0.00	0.00	0.00	0.00	These adjustments are due to change in accounting practices. Therefore, kept under exclusion.
	Decap of overhauling	-2,516.32	2,516.32	0.00	0.00	0.00	0.00	
	Sub total of Overhauling of Units	**996.87**	**-996.87**	**0.00**	**0.00**	**0.00**	**0.00**	
	Total Exclusions	**6,245.95**	**-1,965.73**	**4,280.22**	**569.68**	**3,710.54**	**93.83**	
Note:								
1. Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc..								
2. For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the station.								
								(Petitioner)

PART-I
FORM- K

Statement showing items/assets/works claimed under Exclusions for the year 2020-21

Name of the Petitioner	**NTPC Ltd.**
Name of the Generating Station	**Farakka STPS- I & II (1600 MW)**
COD	**01.07.1996**
For the year	**2020-21**

Rs in Lakhs

Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion						Justification
		Accrual basis	IND AS Adjustment	Accrual basis as per IGAAP	Undischarged Liability included in col. 3	Cash basis	IDC included in col. 3	
(1)	(2)	(3)	3A	3B=3+3A	(4)	(5=3B-4)	(6)	(7)
1	**CERC Disallowed items**							
A								
i	Procurement of Mills (Unit#2 - C&D)	124.18	0.00	124.18	0.00	124.18	11.74	Disallowed by Hon'ble CERC vide order dtd: 14.06.12 222/GT/2009
ii	ABT System for ERP	45.42	0.00	45.42	0.00	45.42	0.00	Disallowed by Hon'ble CERC vide order dtd:06.02.17 274/GT/2014
iii	Elevator Upgradation	297.11	0.00	297.11	143.36	153.76	0.00	Disallowed by Hon'ble CERC vide order dtd: 14.06.12 222/GT/2009
iv	C&I System for FSTPP_Under R&M_St-I(Unit#2&3)	1,650.68	0.00	1,650.68	309.78	1,340.91	58.98	
v	415 V Air Circuit Breakers under R&M(Stage-I), Replacement of electrical actuators under R&M	285.53	0.00	285.53	17.70	267.83	24.19	
vi	RLA Study of critical piping U#II & III	433.29	0.00	433.29	22.28	411.01	6.90	Disallowed by Hon'ble CERC vide order dtd:10.03.17 316/GT/2014
	Sub total of Disallowed Items	**2,836.22**	**0.00**	**2,836.22**	**493.11**	**2,343.10**	**101.81**	
2	**Contractor FERV**							
3	**Liability Reversal**							
i.	Strengthening of MGR Track	-2.75	0.00	-2.75	-2.75	0.00	0.00	Disallowed by APTEL vide it's judgement dated 07.12.2015 (Appeal No. 193/2013)
ii.	HM263/264:TRAVEL GEAR UNIT	-394.22	0.00	-394.22	-394.22	0.00	0.00	Item Not Claimed As Add Cap
2	**Liability Reversal**	**-396.97**	**0.00**	**-396.97**	**-396.97**	**0.00**	**0.00**	
3	**Capitalization of Spares**	**5,872.08**	**0.00**	**5,872.08**	**1,177.13**	**4,694.95**	**0.00**	Capitalization of capital spares is not admissible as per CERC Tariff Regulations 2019. Therefore, the same is kept under exclusion.
4	**Inter Unit Tansfer :**							Hon'ble CERC has considered inter unit transfers as exclusion for the purpose of tariff
	Transfer-In	0.84	0.00	0.84	0.00	0.84	0.00	
	Sub Total Interunit Transfer	**0.84**	**0.00**	**0.84**	**0.00**	**0.84**	**0.00**	
5	**Decapitalization**							
A	**Decapitalization - Part of Tariff**							
i.	STEAM GENERATOR U-I & II	-31.64	-284.73	-316.37	0.00	-316.37	0.00	Replacement of Main Plant Equipment under R&M. Therefore the corresponding decap are also kept under exclusion.
ii	CONTROL & INSTRUMENTATION	-98.76	-888.88	-987.64	0.00	-987.64	0.00	
iii.	LT Switch gear	-5.79	-52.12	-57.91	0.00	-57.91	0.00	
	Sub total - Decaptilization-Part of tariff	**-136.19**	**-1,225.73**	**-1,361.92**	**0.00**	**-1,361.92**	**0.00**	
B	**Decapitalization - Not Part of Tariff**							These assets were not part of capital cost of the project. So claimed under exclusion
i.	Decapitalization of spares	-97.23	-323.65	-420.89	0.00	-420.89	0.00	
iii.	Buy Back of MBOA-IT Equipment	-4.97	-10.53	-15.50	0.00	-15.50	0.00	
iv.	ABT System for ERP	-10.87	-6.37	-17.24	0.00	-17.24	0.00	
v.	MBOAs(Crane, BEML Model)	-11.55	0.00	-11.55	0.00	-11.55	0.00	
vi.	MBOAs-Hero Honda Motorcycle	-0.10	-0.88	-0.97	0.00	-0.97	0.00	
vii.	MBOAs-Write off as per PV	-13.69	-118.82	-132.51	0.00	-132.51	0.00	
viii.	Decap of BOBR wagons due to accident	-237.19	0.00	-237.19	0.00	-237.19	0.00	
	Subtotal Decapitalization - Not Part of Tariff	**-375.61**	**-460.25**	**-835.86**	**0.00**	**-835.86**	**0.00**	
	Subtotal Decapitalization	**-511.80**	**-1,685.98**	**-2,197.78**	**0.00**	**-2,197.78**	**0.00**	
6	**Overhauling of Units**							These adjustments are due to change in accounting practices. Therefore, kept under exclusion.
	Overhauling of Units / Capital OH	3,201.36	-3,201.36	0.00	0.00	0.00	0.00	
	Decap of overhauling	-5,136.53	5,136.53	0.00	0.00	0.00	0.00	
	Sub total of Overhauling of Units	**-1,935.18**	**1,935.18**	**0.00**	**0.00**	**0.00**	**0.00**	
7	**Loan ERV**	243.76	0.00	243.76	0.00	243.76	0.00	Pertaining to ESP Renovation package of Stage-II.
	Total Exclusions	**6,108.94**	**249.20**	**6,358.14**	**1,273.28**	**5,084.86**	**101.81**	

Note:

1. Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc..
2. For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the station.

(Petitioner)

PART-K

Statement showing items/assets/works claimed under Exclusions for the year 2021-22

Name of the Petitioner	**NTPC Ltd.**
Name of the Generating Station	**Farakka STPS- I & II (1600 MW)**
COD	**01.07.1996**
For the year	**2021-22**

Rs in Lakhs

Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion						Justification
		Accrual basis	IND AS Adjustment	Accrual basis as per IGAAP	Undischarged Liability included in col. 3	Cash basis	IDC included in col. 3	
(1)	(2)	(3)	3A	3B=3+3A	(4)	(5=3B-4)	(6)	(7)
1	**CERC Disallowed items**							
1	Condenser Tubes for 200MW Unit-1	633.66	0.00	633.66	0.00	633.66	50.43	Disalllowed by Hon'ble CERC vide order dtd: 14.06.12 in 222/GT/2009 (CEA Approved R&M Schemes)
2	Mega R&M of C&I System_St-I(Unit#1)	926.42	0.00	926.42	86.74	839.68	0.00	
3	Replacement of Elect Actuators under R&M_U#I&III	571.18	0.00	571.18	93.20	477.98	39.13	
4	Elect & Electronic Portion of Reclaimer-3(R&M)	429.58	0.00	429.58	0.00	429.58	47.61	
5	Supply and Retrofitting of 6.6 KV VCB	233.09	0.00	233.09	3.68	229.41	31.43	
6	RLA study of Critical Piping-Stage-I (Unit#I)	224.04	0.00	224.04	3.42	220.62	10.85	
7	415 V Air Circuit Breakers under R&M(Stage-I)	138.65	0.00	138.65	28.09	110.56	22.92	
8	R&M of FH IV & VII in FH Township	314.40	0.00	314.40	23.05	291.35	11.52	
9	Procurement of Mills (Unit-1 Mill A,B,D)	202.18	0.00	202.18	0.00	202.18	37.44	
10	ELEVATOR	72.11	0.00	72.11	5.60	66.51	0.00	
	Sub total of Disallowed Items	**3,745.32**	**0.00**	**3,745.32**	**243.78**	**3,501.54**	**251.32**	
2	**Capitalization of Spares**	4,663.69	0.00	4,663.69	704.04	3,959.65	0.00	Capitalization of capital spares is not admissible as per CERC Tariff Regulations 2019. Therefore, the same is kept under exclusion.
6	**Inter Unit Tansfer :**							
	Transfer-In							
	WDG3A DIESEL ELECTRIC LOCOMOTIVE 3100HP	1658.94	387.11	2046.05	0.00	2046.05	0.00	
	Furniture Items	0.77	1.23	2.00	0.00	2.00	0.00	Hon'ble CERC has considered inter unit transfers as exclusion for the purpose of tariff
	AC, Geyser, Kitchen Ventilator, Fan, Refrigerator	2.36	1.64	3.99	0.00	3.99	0.00	
	AIR CONDITIONER	0.02	0.17	0.18	0.00	0.18	0.00	
	Notebook PC pavillion 14-cd0080TU-HP	0.60	0.00	0.60	0.00	0.60	0.00	
	Sub Total Interunit Transfer	**1,662.69**	**390.14**	**2,052.83**	**0.00**	**2,052.83**	**0.00**	
7	**Decapitalization**							
A	**Decapitalization - Part of Tariff**							
2	STEAM GENERATOR U#I	-1.92	-17.28	-19.20	0.00	-19.20	0.00	
3	STEAM GENERATOR U#III	-26.21	-235.90	-262.11	0.00	-262.11	0.00	
4	TURBINE GENARATOR CAPITAL SPARE	0.00	-227.50	-227.50	0.00	-227.50	0.00	
5	COAL HANDLING SYSTEM	-6.09	-54.81	-60.90	0.00	-60.90	0.00	
6	CONTROL & INSTRUMENTATION	-35.54	-319.87	-355.41	0.00	-355.41	0.00	
7	LT SWITCH GEAR	-3.71	-33.38	-37.09	0.00	-37.09	0.00	
8	SWITCH GEAR	-3.30	-29.70	-33.00	0.00	-33.00	0.00	
	Sub total - Decaptilization-Part of tariff	**-76.77**	**-918.43**	**-995.21**	**0.00**	**-995.21**	**0.00**	
B	**Decapitalization - Not Part of Tariff**							
a	Decapitalization of spares	-87.22	0.00	-87.22	0.00	-87.22	0.00	These assets were not part of capital cost of the project. So their decap is being claimed under exclusion.
b	Write Off as per physical verification	-2.62	-94.57	-97.19	0.00	-97.19	0.00	
c	Decap of MBOA	-3.47	-25.81	-29.28	0.00	-29.28	0.00	Since no MBOA items are being claimed as add-cap in 2021-22, Hon'ble Commission may be pleased to allow the decap of MBOAs under exclusion
	Subtotal Decapitalization - Not Part of Tariff	**-93.30**	**-120.39**	**-213.69**	**0.00**	**-213.69**	**0.00**	
	Subtotal Decapitalization	**-170.07**	**-1,038.82**	**-1,208.89**	**0.00**	**-1,208.89**	**0.00**	
C	**Overhauling of Units**	3,607.54	-3,607.54	0.00	0.00	0.00	0.00	These adjustments are due to change in accounting practices. Therefore, kept under exclusion.
D	**Loan ERV**	282.13	0.00	282.13	0.00	282.13	0.00	Pertaining to ESP Retrofitting package of Stage-II.
E	**Reversal Of Liability**	-142.58	0.00	-142.58	-142.58	0.00	0.00	
	Total Exclusions	**13,648.71**	**-4,256.21**	**9,392.50**	**805.23**	**8,587.27**	**251.32**	

Note:

1. Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc..
2. For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the station.

(Petitioner)

PART-I
FORM- K

Statement showing items/assets/works claimed under Exclusions for the year 2022-23

Name of the Petitioner	NTPC Ltd.
Name of the Generating Station	Farakka STPS- I & II (1600 MW)
COD	01.07.1996
For the year	2022-23

Rs in Lakhs

Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion						Justification
		Accrual basis	IND AS Adjustment	Accrual basis as per IGAAP	Undischarged Liability included in col. 3	Cash basis	IDC included in col. 3	
(1)	(2)	(3)	3A	3B=3+3A	(4)	(5=3B-4)	(6)	(7)
1	**CERC Disallowed items**							
(i)	C&I System for FSTPP_Under R&M_St-I(Unit#1)	504.50	0.00	504.50	4.95	499.54	14.64	
(ii)	ELEVATOR at CHP	28.25	0.00	28.25	3.88	24.37	0.00	
	Sub total of Disallowed Items	**532.75**	**0.00**	**532.75**	**8.83**	**523.91**	**14.64**	
2	**Capitalization of Spares**	5,526.10	0.00	5,526.10	1,138.67	4,387.43	0.00	Capitalization of capital spares is not admissible as per CERC Tariff Regulations 2019. Therefore, the same is kept under exclusion.
3	**Inter Unit Tansfer :**							
	Transfer-Out							
i.	BOTTOM DISCHARGE HOPPER WAGON 60 T (12 no.s)	-355.79	0.00	-355.79	0.00	-355.79	0.00	Hon'ble CERC has considered inter unit transfers as exclusion for the purpose of tariff
ii.	MGR LOCO DIESEL	-21.10	-189.93	-211.04	0.00	-211.04	0.00	
	Sub Total Interunit Transfer	**-376.89**	**-189.93**	**-566.83**	**0.00**	**-566.83**	**0.00**	
7	**Decapitalization**							
A	**Decapitalization - Part of Tariff**							
i.	Decap of spares	-325.60	-2,902.10	-3,227.71	0.00	-3,227.71	0.00	As per Regulation 28 (1) of CERC Tariff Regulations 2019, in case a station is availing a Special Allowance as compensation for meeting the requirement of expenses including R&M beyond the useful life of the Station, in such cases, upward revision of capital cost shall not be allowed. Therefore the corresponding decap are also kept under exclusion. Hon'ble Commission may be pleased to allow the same under exclusion in view of Regulation 28.
B	**Decapitalization - Not Part of Tariff**							
(i)	Decapitalization of spares	-177.27	0.00	-177.27	0.00	-177.27	0.00	These assets were not part of capital cost of the project. So their decap is being claimed under exclusion.
(ii)	Decap of MBOA	-47.96	-115.35	-163.32	0.00	-163.32	0.00	Since these MBOA items were not part of tariff, Hon'ble Commission may be pleased to allow the decap of these MBOAs under exclusion
	Subtotal Decapitalization - Not Part of Tariff	**-225.23**	**-115.35**	**-340.59**	**0.00**	**-340.59**	**0.00**	
C	**Overhauling of Units**							
(i)	Overhauling	5,208.70	-5,208.70	0.00	0.00	0.00	0.00	These adjustments are due to change in accounting practices. Therefore, kept under exclusion.
(ii)	Decap Of Overhauling	-4,936.22	4,936.22	0.00	0.00	0.00	0.00	
	Subtotal Overhauling	**272.48**	**-272.48**	**0.00**	**0.00**	**0.00**	**0.00**	
D	**Reversal of Liability**							
1	STEAM GENERATOR & ESP STAGE II	-1,353.79	0.00	-1,353.79	-1,353.79	0.00	0.00	Since tariff is on cash basis liability reversal is kept under exclusion.
2	415 V Air Circuit Breakers under R&M(Stage-I)	-1.51	0.00	-1.51	-1.51	0.00	0.00	
3	400KV CVT(CAPITALISED)	-0.83	0.00	-0.83	-0.83	0.00	0.00	
4	CONDENSATE EXTRACTION PUMP	-0.40	0.00	-0.40	-0.40	0.00	0.00	
5	ACB,4000A,3P,60KA,CATEGORY-B, 220VDC	-6.21	0.00	-6.21	-6.21	0.00	0.00	
6	BEVEL PINION SHAFT:KMP 300:XRP 1003 M	-0.13	0.00	-0.13	-0.13	0.00	0.00	
7	COUPLING BOLT M64 FOR BRG PED.4(CAPT/0	-0.15	0.00	-0.15	-0.15	0.00	0.00	
8	DLWSPR:TRACTION ALTERNATOR	-0.81	0.00	-0.81	-0.81	0.00	0.00	
9	FA1B75:COMPLETE PUMP ASSY.	-0.48	0.00	-0.48	-0.48	0.00	0.00	
10	MAIN VERTICAL SHAFT OF BOWL MILL	-0.23	0.00	-0.23	-0.23	0.00	0.00	
11	BOWL;STYLE:03 OF M.DRIVE&BOWL OF XRP-8	-0.17	0.00	-0.17	-0.17	0.00	0.00	
12	WORM GEAR HUB OF M.DRIVE&BOWL OF XRP80	-0.14	0.00	-0.14	-0.14	0.00	0.00	
13	HPCV SERVOMOTOR DRG:01140201000/0REF54	-0.21	0.00	-0.21	-0.21	0.00	0.00	
14	BOWL HUB	-0.19	0.00	-0.19	-0.19	0.00	0.00	
15	JTC-12GM:COMP.PUMP ASSY.	-0.11	0.00	-0.11	-0.11	0.00	0.00	
16	COUPLING BOLT M64 DRG:01180101000/1	-0.04	0.00	-0.04	-0.04	0.00	0.00	
17	FA1B56:COMPLETE PUMP ASSY.	-0.38	0.00	-0.38	-0.38	0.00	0.00	
18	MILL BOTTOM ASSY XRP-803	-0.08	0.00	-0.08	-0.08	0.00	0.00	
19	OIL COOLER ASSY-M.DRIVE&BOWL-MILL-XRP8	-0.03	0.00	-0.03	-0.03	0.00	0.00	
20	JOURNAL BRG.HALF:NDE#75-WEIR BFP-FK4E3	-0.01	0.00	-0.01	-0.01	0.00	0.00	
21	THRUST BRG#78-WEIR BFP-PR,PUMP:FK4E36	-0.05	0.00	-0.05	-0.05	0.00	0.00	
22	M7197037683 ELECT:TRACTION MOTOR COMPLETE WITH PI	-1.27	0.00	-1.27	-1.27	0.00	0.00	
23	FILTER M/C	-0.62	0.00	-0.62	-0.62	0.00	0.00	
24	A45-FG:COMPLETE ASSY	-0.91	0.00	-0.91	-0.91	0.00	0.00	
25	GENERATOR SEAL BODY EXC/ITER END	-0.10	0.00	-0.10	-0.10	0.00	0.00	
26	MOTR 1SQL6.6KV:280KW:4P:B3TEFC:ILA7560	-0.32	0.00	-0.32	-0.32	0.00	0.00	
27	450KW,SCIM,3PH,6.6KV,988 RPM,TEFC	-0.34	0.00	-0.34	-0.34	0.00	0.00	
28	MOTR 1SQL6.6KV:600-605KW:6P:B3 TEFC HF	-1.11	0.00	-1.11	-1.11	0.00	0.00	
29	COLD END SECTOR PLATE ASSLY FOR SAPH	-0.12	0.00	-0.12	-0.12	0.00	0.00	
30	VALVE CONE DRG.01230401000C/08	-0.06	0.00	-0.06	-0.06	0.00	0.00	
31	VALVE CONE DRG:01132001000/02	-0.26	0.00	-0.26	-0.26	0.00	0.00	
32	VALVE CONE DRG:01230101000/44	-0.19	0.00	-0.19	-0.19	0.00	0.00	
33	FK4E36:BFP RC VALVE ASSY	-0.59	0.00	-0.59	-0.59	0.00	0.00	
34	VOITH:1780 SVNL 21-80G:THRUST BRG- 3	-0.45	0.00	-0.45	-0.45	0.00	0.00	
35	CAM CLUTCH BOX(C.W)SIZE0860	-0.10	0.00	-0.10	-0.10	0.00	0.00	
36	CAM CLUTCH BOX(C.C.W),SIZE0860	-0.10	0.00	-0.10	-0.10	0.00	0.00	
37	IMPELLER FOR ID FAN ST I	-0.23	0.00	-0.23	-0.23	0.00	0.00	
38	MAIN SHAFT FOR ID FAN ST-I	-0.28	0.00	-0.28	-0.28	0.00	0.00	
39	IGV FOR ID FAN	-0.52	0.00	-0.52	-0.52	0.00	0.00	
40	SNH 210ER46U7.4W 3:PUMP CARTRIDGE	-0.08	0.00	-0.08	-0.08	0.00	0.00	
41	SNH 210ER54U7.4W 3:PUMP CARTRIDGE	-0.08	0.00	-0.08	-0.08	0.00	0.00	
42	GENERATOR SEAL BODY TURBINE END	-0.10	0.00	-0.10	-0.10	0.00	0.00	
43	REGULATING RING ASY.-ID FAN IGV ASY	-0.02	0.00	-0.02	-0.02	0.00	0.00	
44	BLADE DRG.NO-KKK16201260034(1) (ANSALD	-4.08	0.00	-4.08	-4.08	0.00	0.00	
45	EXCHANGABLE VANES -IGV OF ID FAN	-0.09	0.00	-0.09	-0.09	0.00	0.00	
46	GB:CSB:450:COMPL ASSY	-0.10	0.00	-0.10	-0.10	0.00	0.00	
47	A4VG125EP2DM1:COMP.PUMP ASSLY.	-0.00	0.00	-0.00	-0.00	0.00	0.00	
48	TE-13:VIBRATING ASSEMBLY	-3.98	0.00	-3.98	-3.98	0.00	0.00	
	SubTotal : Liability Reversal	**-1,382.05**	**0.00**	**-1,382.05**	**-1,382.05**	**0.00**	**0.00**	
E	**Loan ERV**	6.48	0.00	6.48	0.00	6.48	0.00	Pertaining to ESP Retrofitting package of Stage-II.
	Total Exclusions	**4,028.04**	**-3,479.87**	**548.16**	**-234.54**	**782.71**	**14.64**	

Note:
1. Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc..
2. For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the station.

(Petitioner)

PART-I
FORM- K

Statement showing items/assets/works claimed under Exclusions for the year 2023-24

Name of the Petitioner	NTPC Ltd.
Name of the Generating Station	Farakka STPS- I & II (1600 MW)
COD	01.07.1996
For the year	2023-24

Rs in Lakhs

Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion						Justification
		Accrual basis	IND AS Adjustment	Accrual basis as per IGAAP	Undischarged Liability included in col. 3	Cash basis	IDC included in col. 3	
(1)	(2)	(3)	3A	3B=3+3A	(4)	(5=3B-4)	(6)	(7)
1	**CERC Disallowed items**							
(i)	STEAM GENERATOR STAGE II	1.77	0.00	1.77	0.00	1.77	0.00	Disallowed by Hon'ble CERC vide order dtd: 14.06.12 in 222/GT/2009 (CEA Approved R&M Schemes)
(ii)	Elect & Electronic Portion of Reclaimer-3(R&M)	33.73	0.00	33.73	0.00	33.73	0.00	
(iii)	R&M of FH IV & VII in FH Township	64.37	0.00	64.37	0.00	64.37	0.00	
	Sub total of Disallowed Items	**99.88**	**0.00**	**99.88**	**0.00**	**99.88**	**0.00**	
2	**Capitalization of Spares**	8,199.53	0.00	8,199.53	157.53	8,042.00	0.00	Capitalization of capital spares is not admissible as per CERC Tariff Regulations 2019. Therefore, the same is kept under exclusion.
3	**Inter Unit Tansfer :**							
	Transfer-Out							Hon'ble CERC has considered inter unit transfers as exclusion for the purpose of tariff
i.	DESKTOP PC: CORE-I5 VPRO WIN, 8GB	-0.47	0.00	-0.47	0.00	-0.47	0.00	
	Sub Total Interunit Transfer	**-0.47**	**0.00**	**-0.47**	**0.00**	**-0.47**	**0.00**	
7	**Decapitalization**							
A	**Decapitalization - Part of Tariff**							
i.	Decap of spares	-55.55	-506.31	-561.86	0.00	-561.86	0.00	As per Regulation 28 (1) of CERC Tariff Regulations 2019, in case a station is availing a Special Allowance as compensation for meeting the requirement of expenses including R&M beyond the useful life of the Station, in such cases, upward revision of capital cost shall not be allowed. Therefore the corresponding decap are also kept under exclusion. Hon'ble Commission may be pleased to allow the same under exclusion in view of Regulation 28.
B	**Decapitalization - Not Part of Tariff**							
(i)	Decapitalization of spares	-35.28	0.00	-35.28	0.00	-35.28	0.00	These assets were not part of capital cost of the project. So their decap is being claimed under exclusion.
(ii)	Decap of MBOA	-0.46	-248.40	-248.86	0.00	-248.86	0.00	Since these MBOA items were not part of tariff, Hon'ble Commission may be pleased to allow the decap of these MBOAs under exclusion
	Subtotal Decapitalization - Not Part of Tariff	**-35.74**	**-248.40**	**-284.14**	**0.00**	**-284.14**	**0.00**	
C	**Overhauling of Units**							
(i)	Overhauling	7,242.26	-7,242.26	0.00	0.00	0.00	0.00	These adjustments are due to change in accounting practices. Therefore, kept under exclusion.
(ii)	Decap Of Overhauling	-3,967.00	3,967.00	0.00	0.00	0.00	0.00	
	Subtotal Overhauling	**3,275.27**	**-3,275.27**	**0.00**	**0.00**	**0.00**	**0.00**	
D	**Reversal Of Liability**	**-62.99**	**0.00**	**-62.99**	**-62.99**	**0.00**	**0.00**	
E	**Loan ERV**	91.68	0.00	91.68	0.00	91.68	0.00	Pertaining to ESP Retrofitting package of Stage-II.
	Total Exclusions	**11,511.62**	**-4,029.98**	**7,481.63**	**94.54**	**7,387.10**	**0.00**	

Note:

1. Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc..
2. For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the station.

(Petitioner)

Name of the Petitioner	NTPC Ltd.			Form L				Form L				Form L				Form L				Form L
Name of the Generating Station	Farakka STPS Stage - I &II																			
Statement of Capital cost as on 01.04.2019				Rs Lakhs				Rs Lakhs				Rs Lakhs				Rs Lakhs				Rs Lakhs
		2019-20				2020-21				2021-22				2022-23				2023-24			
Sl. No.	Particulars	Accrual Basis	Undischarged Li	Cash Basis	Remarks	Accrual Basis	Undischarged Liab	Cash Basis	Remarks	Accrual Basis	Undischar	Cash Basis	Remarks	Accrual Basis	Undischarged Liabilit	Cash Basis	Remarks	Accrual Basis	Undischarged Liabilit	Cash Basis	Remarks
A	a) Opening Gross Block Amount as per books	386526.31	14,324.95	372201.36		391825.30	14375.50	377449.80		402420.57	14256.53	388164.04		423525.29	14183.94	409341.36		432042.89	12463.52	419579.37	
	b) Amount of IDC in A(a) above	1830.29		1830.29		1916.32		1916.32		2720.71		2720.71		5479.19		5479.19		7309.86		7309.86	
	c) Amount of FC in A(a) above	0.00				0.00				0.00		0.00		0.00				0.00			
	d) Amount of FERV in A(a) above	138.86		138.86		138.86		138.86		138.86		138.86		420.99		420.99		427.48		427.48	
	e) Amount of Hedging Cost in A(a) above	0.00				0.00				0.00		0.00		0.00				0.00			
	f) Amount of IEDC in A(a) above	0.00				0.00				0.00		0.00		0.00				0.00			
		0.00																			
B	a) Addition in Gross Block Amount during the period (Direct purchases)	19.15	0.00	19.15	Includes inter unit transfers(ie net of in and out)	0.84	0.00	0.84	Includes inter unit transfers(ie net of in and out)	2052.83	0.00	2052.83	Includes inter unit transfers(ie net of in and	-566.83		-564.14	Includes inter unit transfers(ie net of in and out).	-0.47		-0.47	Includes inter unit transfers(ie net of in and out).
	b) Amount of IDC in B(a) above	0.00				0.00		0.00		0.00				0.00				0.00			
	c) Amount of FC in B(a) above	0.00				0.00				0.00				0.00				0.00			
	d) Amount of FERV in B(a) above	0.00				0.00		0.00		0.00				0.00				0.00			
	e) Amount of Hedging Cost in B(a) above	0.00				0.00				0.00				0.00				0.00			
	f) Amount of IEDC in B(a) above	0.00				0.00				0.00				0.00				0.00			
C	a) Addition in Gross Block Amount during the period (Transferred from CWIP)	6733.13	741.51	5991.62	Including cost adjustment	13074.27	1919.96	11154.31	From CWIP cap including cost adjustment. Undischarged	22830.70	2006.14	20824.56	Includes ERV amt. Liability reversal amount	12830.46	1218.00	11609.52	Liability reversal amount of Rs 575.1632 lakhs adjusted in	17979.95	2372.26	15607.69	Liability reversal amount of Rs 62.992 lakhs adjusted in Undischarged liability
	b) Amount of IDC in C(a) above	86.03		86.03		804.39		804.39		2758.48		2758.48		1830.67		1830.67		804.10		804.10	
	c) Amount of FC in C(a) above	0.00				0.00				0.00				419212.43				0.00			
	d) Amount of FERV in C(a) above	0.00				0.00		0.00		282.13		282.13		6.48		6.48		91.68		91.68	
	e) Amount of Hedging Cost in C(a) above	0.00				0.00				0.00				0.00				0.00			
	f) Amount of IEDC in C(a) above	0.00				0.00				0.00				0.00				0.00			
		0.00																			
D	a) Deletion in Gross Block Amount during the period	1453.29		1453.29	All	2479.84		2479.84	All	3778.81		3778.81	All	3746.04		3746.04	All decapitalization	846.00		846.00	All decapitalization
	b) Amount of IDC in D(a) above	0.00				0.00		0.00		0.00				0.00				0.00			
	c) Amount of FC in D(a) above	0.00				0.00				0.00				0.00				0.00			
	d) Amount of FERV in D(a) above	0.00				0.00		0.00		0.00				0.00				0.00			
	e) Amount of Hedging Cost in D(a) above	0.00				0.00				0.00				0.00				0.00			
	f) Amount of IEDC in D(a) above	0.00				0.00				0.00											
		0.00																			
E	a) Closing Gross Block Amount as per books	391825.30	14,375.50	377449.80		402420.57	14256.53	388164.04		423525.29	14183.94	409341.36		432042.89	12463.52	419579.37		449176.37	13240.52	435935.85	
	b) Amount of IDC in E(a) above	1916.32		1916.32		2720.71		2720.71		5479.19		5479.19		7309.86		7309.86		8113.96		8113.96	
	c) Amount of FC in E(a) above	0.00				0.00				0.00				0.00				0.00			
	d) Amount of FERV in E(a) above	138.86		138.86		138.86		138.86		420.99		420.99		427.48		427.48		519.16		519.16	
	e) Amount of Hedging Cost in E(a) above	0.00				0.00				0.00				0.00				0.00			
	f) Amount of IEDC in E(a) above	0.00				0.00				0.00				0.00				0.00			

Petitioner

PART-I
FORM- M

Name of the Petitioner

Name of the Generating Station

Statement of Capital Work in progress as on 01.04.2019

Sl. No.	Particulars (To be given for relevant dates and year wise)	2019-20			2020-21			2021-22			2022-23			2023-24		
		Accrual Basis	Undischarged Liability	Cash Basis	Accrual Basis	Undischarged Liability	Cash Basis	Accrual Basis	Undischarged Liability	Cash Basis	Accrual Basis	Undischarged Liability	Cash Basis	Accrual Basis	Undischarged Liability	Cash Basis
A	a) Opening CWIP as per books	28,471	4095	24376	35,338	7140	28197	32,924	3550	29373	17,431	1777	15527	10,199	1674	8525
	c) Amount of IDC in A(a) above	1,422			2,544		2544	3,166		3166	1,514		1514	198		198
	d) Amount of FC in A(a) above	0			0			0			0			0		
	e) Amount of FERV in A(a) above	293			442		442	266		266	-49		-49	-16		-16
	f) Amount of Hedging Cost in A(a) above	0			0			0			0			0		
	g) Amount of IEDC in A(a) above	0			0			0			0			0		
B	a) Addition in CWIP during the period	13,600	5087	8513	10,660	2612	8048	7,338	1537	5801	5,599	1823	3901	22,920	4521	18399
	c) Amount of IDC in B(a) above	1,208			1,427		1427	1,107		1107	515		515	884.20		884.20
	d) Amount of FC in B(a) above	0			0			0			0			0		
	e) Amount of FERV in B(a) above	149			68		68	-32		-32	39		39	91.68		92
	f) Amount of Hedging Cost in B(a) above	0			0			0			0			0		
	g) Amount of IEDC in B(a) above	0			0			0			0			0		
C	a) Transferred to Gross Block Amount during the period	6,733	742	5992	13,074	2317	10757	22,831	2006	20825	12,830	1218	11612	17979.95	2372.26	15608
	c) Amount of IDC in C(a) above	86			804		804	2,758		2758	1,831		1831	804		804
	d) Amount of FC in C(a) above	0			0			0			0			0		
	e) Amount of FERV in C(a) above	0			0		0	282		282	6.48		6.48	92		92
	f) Amount of Hedging Cost in C(a) above	0			0			0			0			0		
	g) Amount of IEDC in C(a) above	0			0						0			0		
D	a) Deletion in CWIP during the period	0	0	0	0		0	0		0	0			0		
	c) Amount of IDC in D(a) above	0			0			0			0			0		
	d) Amount of FC in D(a) above	0			0			0			0			0		
	e) Amount of FERV in D(a) above	0			0			0			0			0		
	f) Amount of Hedging Cost in D(a) above	0			0			0			0			0		
	g) Amount of IEDC in D(a) above	0			0						0			0		
E	a) Closing CWIP as per books	35,338	7140	28197	32,923.51	3550	29373	17,430.5	1777	15653	10,199	1674	8525	15,139	3742	11397
	c) Amount of IDC in E(a) above	2,544			3,166		3166	1,514		1514	198		198	278		278
	d) Amount of FC in E(a) above	0			0			0			0			0		0
	e) Amount of FERV in E(a) above	442			266		266	-49		-49	-16		-16	-16		-16
	f) Amount of Hedging Cost in E(a) above	0			0			0			0			0		
	g) Amount of IEDC in E(a) above	0			0			0			0			0		

The statement should reconcile with interest flow , ERV flow and liability flow values provided.

Petitioner

							PART-I
							FORM- N

Calculation of Interest on Normative Loan

Name of the Company :	**NTPC Limited**
Name of the Power Station :	**Farakka Super Thermal power Station Stage-I&II**

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
1	Gross Normative loan – Opening	1,63,001.35	1,65,493.43	2,25,729.57	2,31,424.77	2,48,055.81	2,54,123.04
2	Cumulative repayment of Normative loan up to previous year	1,63,001.35	1,64,712.32	1,66,312.29	1,70,735.60	1,87,512.53	2,07,732.67
3	**Net Normative loan – Opening**	-	781.11	59,417.28	60,689.16	60,543.28	46,390.37
4	Add: Increase due to addition during the year / period	2492.08	660.62	5,366.43	16,643.70	5,255.60	5,226.07
5	Less: Decrease due to de-capitalisation during the year / period	2808.58	48.40	141.03	412.89	88.87	0.00
6	Less: Decrease due to reversal during the year / period	0.00					
7	Add: Increase due to discharges during the year / period		120.38	469.79	400.23	900.51	39.38
8	Less: Repayment of Loan	4,513.68	1,513.71	4,169.46	14,464.11	16,775.65	10,938.44
9	**Repayment adjustment on account of de capitalisation**		87.12	253.85	2,312.81	2,904.82	504.62
10	**Repayment adjustment on account of discharges/reversals corresponding to un discharged liabilities deducted as on 1.4.2009**		0.86	-	-	-539.67	-
11	**Net Normative loan - Closing**	781.11	86.26	61,196.86	65,168.90	53,279.35	41,222.00
12	**Average Normative loan**	390.56	433.69	60307.07	62929.03	56911.31	43806.19
13	Weighted average rate of interest	5.1038	7.5268	6.5505	6.2263	7.1095	7.7269
14	**Interest on Loan**	**19.93**	**32.64**	**3950.41**	**3918.15**	**4046.11**	**3384.86**

(Petitioner)

PART 1
FORM- O

Calculation of Interest on Working Capital

Name of the Company :	**NTPC Limited**
Name of the Power Station :	**Farakka Super Thermal power Station Stage-I&II**

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1	Cost of Coal/Lignite	1,02,946.13	33778.27	32989.29	32113.05	34425.56	47562.45
2	Cost of Main Secondary Fuel Oil	568.30	331.89	390.92	359.68	501.33	579.24
3	Fuel Cost						
4	Liquid Fuel Stock						
5	O & M Expenses	3,403.09	4601.05	4575.32	4707.89	4812.03	5316.87
6	Maintenance Spares	8,167.41	11042.51	10980.76	11298.93	11548.86	12760.48
7	Receivables	1,19,197.61	49523.57	48076.74	47802.40	51300.54	67195.01
8	Total Working Capital	234282.54	99277.30	97013.02	96281.95	102588.31	133414.05
9	Rate of Interest	13.5000	12.0500	11.2500	10.5000	10.5000	12.0000
10	**Interest on Working Capital**	**31628.14**	**11962.91**	**10913.97**	**10109.60**	**10771.77**	**16009.69**

Petitioner

Flow of Capital liabilities from 01.04.2014

Form-S

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	Original Liability	Undischarged liabilities relating to GB as on 01.04.2009	Undischarged liabilities relating to GB 31.03.2019	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2019-20 as per annexure I B-column 9	Contractors ERV updation	Discharge during the year 2019-20		Total discharge	Undischarged liabilities relating to GB 31.03.2020
												-by payment	-by reversal		
(1)	(2)	(3)		(4)	(4A)		(10)=(5+6+6A-9)			(6)	(6A)	(7)	(8)	(9)=(7+8)	(10)=(5+6+6A-9)
	for assets eligible for normal ROE														
	Prior to 01.04.2004														
1	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed			19,23,46,263	80688295							0	80688295
2	RODE KONCAR	UNIT AND STATION TRANSFORMER	Allowed			22,92,491	2292491							0	2292491
3	GDC	PILLIN PIPE CAPS FOR STAGE - II, WO - 1955 & 1954	Allowed			3,25,20,736	0					0	0	0	
4	IRCON	CONSTRUCTION OF SIMULATANEOUS LINES FOR DESPATCH FACILITIES AT KAMARPUR AND PATHRA STATION	Allowed			14,00,000	0				0	0	0	0	
5	NEEL KAMAL	CONSTRUCTION OF PEDSTALS FOR ADD. ASH PIPE LINES ST-I , WO-20115	Allowed			30,621	0					0	0	0	
6	N H CONSTRUCTION	CONSTN OF PEDESTAL AND LAYINNG OF WATER PIPE LINE	Not Allowed			2,81,488	0					0	0	0	
	TOTAL Prior to 01.04.2004					**22,88,71,598**	**82980786**					**0**	**0**	**0**	**82980786**
7	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed	**2004-05**		7969921	6425848								6425848
8	Yokogawa ; 40405 / 9034 02 ANALLYSERS	SUPPLY,INSTAL,EREC.COMMNG.& TESTING OF ON LINE ZIRCONIUM BASED	Allowed	**2005-06**		5000	5000					5000		5000	0
9	Neo Teletronics ; 94N40694	High Voltage(AC)Test Kit Range to R&M) 2	Allowed	**2005-06**		91295	91295					91295		91295	0
10	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed	**2006-07**		4524315	2567323								2567323
11	GE INDIA INDUSTRIAL PVT.LTD.	MULTI CHANNEL (8 CHANNEL) PORTABLE VIBRATION ANALYSER	Allowed	**2006-07**		26400	26400					26400		26400	0
12	EASTERN TRADE CENTRE	SQ.CAGE INDUCTION MOTOR FOR CF PUMP,132KW,240A,3000RPM,415V,INS.CL-F,DUTY-S1,3PH,FRAME-315M`SIEMENS'	Not Claimed	**2006-07**		216145	216145					216145		216145	0
13	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Not Allowed	**2007-08**		3134304	1778561								1778561
14	YOKOGAWA INDIA LIMITED	VIDEOGRAPHIC PAPERLESS REC	Not Claimed	**2007-08**		3691	3691					3691		3691	0
15	SOURCE LIGHT BATTERY CO.	BATTERY 12VOLT,75AH SEALED	Not Claimed	**2007-08**		7950	7950					7950		7950	0
16	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11, SITE ERV ANSALDO SPA - A0331/ WO-527-AID403, SITE ERV	Not Allowed	**2008-09**		33814716	19188165								19188165
17	TARAPORE & CO	ASH HANDLING PLANT, Arbitration Award Const Ash Bund, Stage-I, TARAPORE & CO	Allowed	**2008-09**		1173292	1173292								1173292
18	ENERGO ENGG. PROJECTS PVT .TD.	PNEUMATIC OPERATED 500NB K	Not Claimed	**2008-09**		64350	64350					64350		64350	0
19	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV RODE KONCAR-439-R0178, SITE ERV	Not Claimed	**2008-09**		264658	264658								264658
20	ACCESS COMPUTECH PVTLTD	INSTALLION OF e-ATTENDANCE RECORDING SYSTEM	Not Claimed	**2008-09**		272736	58140					58140		58140	0
21	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11, SITE ERV 2009-10 ANSALDO SPA -	Not Allowed	**2009-10**	-25757409.80		-11077211								-11077211
22	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2009-10 RODE KONCAR-439-	Not Claimed	**2009-10**	-136988.36		-136988								-136988
23	ANSALDO SPA	STEAM GENERATOR & ESP STAGE -II	Not Allowed	**2010-11**	3306989.59		3307806								3307806
24	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2009-10 RODE KONCAR-439-	Not Claimed	**2010-11**	-10250.74		-10251								-10251
25	NPCC LTD	1ST RAISING OF MALANCHA ASH DYKE LAGOON	Not Allowed	**2010-11**	5968177.25		1500000								1500000
26	ABB Limited	CURRENT TRANSFORMER,420KV,2000A,5 CORE	Not Claimed	**2010-11**	38560.00		38560					38560		38560	0
27	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2011-12**	14444943.00		9611216								9611216
28	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2011-12**	149102.85		149103								149103
29	ANSALDO SPA	STEAM GENERATOR & ESP STAGE -II	Not Allowed	**2012-13**	2588948.36		1918632								1918632
30	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2012-13	Not Claimed	**2012-13**	76181.73		76182								76182
31	AREVA T&D INDIA LTD	RELAY PANEL	Not Claimed	**2012-13**	341725.84		13079					13079		13079	0
32	M/S ABB LTD.	SUPPLY OF DAS PACKAGE	Not Claimed	**2013-14**	12349205.42		8178424								8178424
33	EASTERN INDIA ENTERPRISE	FLY ASH CONCRETE ROAD AT INFRASTRUCTURE AREA	Not Claimed	**2013-14**	484085		399295					399295		399295	0
34	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2013-14**	21249412.11		20529576								20529576
35	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2013-14**	132794.73		132795								132795
36	SCHNEIDER ELECTRIC INFRASTRUCTURE	M8579150001 VCB:6.6KV:800A:ANY STD MAKE/MODEL	Not Claimed	**2013-14**	969406		689257					689257		689257	0
37	JITF WATER INFRASTRUCTURE LTD	Finacial lease-Coal Mat Handling system fkk JITF	Not Allowed	**2013-14**			600000000								600000000
38	VIKRAM SOLAR PVT LTD	SOLAR POWER GENERATING UNIT	Not Allowed	**2014-15**	220605		51525					51015		51015	510
39	RITES LTD	Strenthening of MGR Track	Claimed	**2014-15**	19829512		2933361								2933361
40	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2014-15**			-23414036								-23414036
41	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2014-15**	60107.08		60107								60107
42	ALSTOM T&D INDIA LTD	NUMERICAL MOTOR PROTECTION RELAY 1A	Not Claimed	**2015-16**			1126854					589204		589204	537650
43	ELECON ENGINEERING CO LT	HM263/264:TRAVEL GEAR UNIT	Not Claimed	**2015-16**			39803811								39803811
44	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2015-16**			11445238								11445238
45	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2015-16**	60107.08		86432								86432
46	JITF WATER INFRASTRUCTURE LTD	Finacial lease-Coal Mat Handling system fkk JITF	Not Allowed	**2015-16**			300000000								300000000
47	UTC Fire & Security India Ltd	FIRE DETECTION FOR WAGON TIPPLER PACKAGE	Allowed	**2016-17**			3575363								3575363
48	K N INTERNATIONAL LTD	4TH RAISING OF NISHINDRA ASH DYKE	Claimed	**2016-17**			4961870								4961870
49	Minimax GmbH & Co KG	INERT GAS FIRE EXTINGUISHING SYSTEM	Claimed	**2016-17**			9002018								9002018
50	JITENDRA NATH BARDHAN	Strenthening of MGR Track	Claimed	**2016-17**			269500								269500
51	BHARAT HEAVY ELECTRICALS LTD	400KV CVT(CAPITALISED)	Not Claimed	**2016-17**			187800								187800
52	HBL Power System Ltd	SET OF +/- 26V DC ATRS CHARGERS	Not Claimed	**2016-17**			344165								344165
53	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-300MM	Not Claimed	**2016-17**			33570								33570
54	ELECTRO THERAPY	15 T CAPACITY ELECTRIC HOIST	Not Claimed	**2016-17**			115500					0		0	115500
55	Delta Automation	CAM CLUTCH BOX(C.W)SIZE0860	Not Claimed	**2016-17**			5132								5132
56	IMI NORGREN HERION PVT LTD	VACUUM BREAKER VALVE ASY 31324401000/0	Not Claimed	**2016-17**			194988								194988
57	GLOBAL UDYOG	G:BOX:VERTICAL:1500RPM:90:1:COMP ASSY	Not Claimed	**2016-17**			49350								49350
58	BHARAT HEAVY ELECTRICALS LTD	CONDENSATE EXTRACTION PUMP	Not Claimed	**2016-17**			870000								870000
59	WPIL LTD	HEAD SHAFT 58 DRG.NO-SK-1528-E	Not Claimed	**2016-17**			237954								237954
60	MODERN COMMERCIAL CORPORATION	ACB 3PH,650V 1000A,SIEMENS MAKE	Not Claimed	**2016-17**			97829								97829
61	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2016-17**			10185396								10185396
62	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2016-17**	60107.08		-27258								-27258
63	EMERSON PROCESS MANAGEMENT	BASIC PROBE FOR OXYGEN ANALYZER OF 6FE	Not Claimed	**2016-17**			70000								70000
64	DURAG INDIA INSTRUMENTATION	COMPLETE OPACITY MONITOR	Not Claimed	**2016-17**			67416								67416
65	BHARAT HEAVY ELECTRICALS LTD	400KV CVT	Not Claimed	**2016-17**			82500								82500
66	P S JIVRAJ & CO	ACB,4000A,3P,60KA,CATEGORY-B, 220VDC	Not Claimed	**2016-17**			621000								621000

Flow of Capital liabilities from 01.04.2014

Form-S

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	Original Liability	Undischarged liabilities relating to GB as on 01.04.2009	Undischarged liabilities relating to GB 31.03.2019	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2019-20 as per annexure I B-column 9	Contractors ERV updation	Discharge during the year 2019-20		Total discharge	Undischarged liabilities relating to GB 31.03.2020
67	SCHNEIDER ELECTRIC INFRASTRUCTURE	VCB 6.6KV:1600A:ANY MAKE/MODEL	Not Claimed	2016-17			607500								607500
68	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-200MM	Not Claimed	2017-18			45000								45000
69	LMG HYDRO PNEUMATICS	ROTOR:REXROTH:A2FM80/61W-VB0010 HYD MO	Not Claimed	2017-18			36694								36694
70	ARGO TECH INDIA PVT LTD	3HP DC MOTOR,R6520060008	Not Claimed	2017-18			5800								5800
71	SAPS POWER EQUIPMENTS PVT LTD	450MM(FIG950):COMPLETE ASSY.:	Not Claimed	2017-18			38121								38121
72	METAL ALLOYS CORPORATION	CPU:CONDENSER TUBE(DIA-19MM,THK-1MM)	Not Claimed	2017-18			156951								156951
73	SHANTHI GEARS LTD	GEAR BOX:BTN-360-SPL-4 MAKE:SHANTI	Not Claimed	2017-18			29289								29289
74	P S JIVRAJ & CO	AIR CIRCUIT BREAKER RS IS:10027800 A	Not Claimed	2017-18			274466					238666		238666	35800
75	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-200MM	Not Claimed	2017-18			15953								15953
76	AUTO PARTS & ACCESSORIES	IMPELLER FOR SEAL AIR FAN ST II	Not Claimed	2017-18			33425								33425
77	LORD VISHWAKARMA HEAT EXCHANGERS	COMPLETE TUBE NEST OF MAIN EJECTOR210M	Not Claimed	2017-18			65000								65000
78	AMICHAND TECHNOLOGICAL PVT LTD	NUMERICAL FEEDER PROTECTION RELAY 1A	Not Claimed	2017-18			119784					79856		79856	39928
79	WATERLINE CORPORATI	3P IM; 415V;110 KW;1475 RPM;TYPE:TFO;	Not Claimed	2017-18			27160								27160
80	SIEMENS LTD	AVR/DVR:DAVR SYSTEM	Not Claimed	2017-18			4795108					3539876		3539876	1255232
81	STOCK REDLER INDIA PVT LTD	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	2017-18			1540000					1540000		1540000	0
82	JITENDRA NATH BARDHAN	Strenthening of MGR Track	Claimed	2017-18			51142								51142
83	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	2017-18			-2235975								-2235975
84	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	2017-18	60107.08		-2329								-2329
85	DHANBAD ELECTRICALS PVT LTD	2000A,ACB MICRO PROCESSOR BASED 3-POLE	Not Claimed	2017-18			270900								270900
86	TOSHIBA TRANSMISSION & DISTRIBUTION	POWER XYMR 200MVA,400/21KV,DYN11,OFAF	Not Claimed	2017-18			4195400								4195400
87	BHARAT HEAVY ELECTRICALS LTD	COUPLING BOLT M64 FOR BRG PED.4(CAPT/0	Not Claimed	2017-18			15120								15120
88	CYRUS INFRA TECH PRIVATE LIMITED	ID FAN SCOOP ACTUATOR	Not Claimed	2017-18			236000					236000		236000	0
89	ALFA LAVAL INDIA PRIVATE LTD	MAB 206:COMPLETE ASSY.	Not Claimed	2018-19			332000								332000
90	ELECTRO THERAPY	EL OP. HOIST-4.01-5.0T:ELECT HOIST 5MT	Not Claimed	2018-19			155250					0		0	155250
91	DCIPS	TRENCH LINER:COMP. ASSLY	Not Claimed	2018-19			79600								79600
92	AUTOMATIC ELECTRIC LTD	6.6KV CT 50/1/1A. 10VA,CL:1/15VA,5P15.	Not Claimed	2018-19			48930								48930
93	MERRICK INDUSTRIES PVT LTD	SIGNAL I/P MODULE OF SCR CONTR-M22419-	Not Claimed	2018-19			12634								12634
94	FEC INDIA PVT LTD	GB:FAIRFIELD:W10D2505123:COMP ASSY	Not Claimed	2018-19			154560								154560
95	NEW ALLENBERRY WORKS	SPEED REDUCER	Not Claimed	2018-19			91200								91200
96	WPIL LTD	JTC-12GM:COMP.PUMP ASSY.	Not Claimed	2018-19			57265								57265
97	WPIL LTD	GM16TC:COMP ASSLY	Not Claimed	2018-19			137531								137531
98	WPIL LTD	PUMP:HEAD(10-20M):FLOW(1000-2000M3/HR)	Not Claimed	2018-19			79668								79668
99	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	2018-19			3182400					1591200		1591200	1591200
100	UDYOGINI MARKETING AND SERVICES	ST. BATTERY SET;120NO CELLS;1000AH;240	Not Claimed	2018-19			334880								334880
101	RAMPUR ENGINEERING CO. LTD.	1400:ND PULLEY DXL 500X1600 SHAFT D115	Not Claimed	2018-19			714655					685255		685255	29400
102	Clyde Pumps India Pvt Ltd	FA1B56:COMPLETE PUMP ASSY.	Not Claimed	2018-19			4294000					4294000		4294000	0
103	ABB India Limited	REACTOR DIFF RELAY SCHEME RADHA,ABB	Not Claimed	2018-19			1252638								1252638
104	HINDUSTHAN ENGINEERING & INDUSTRIES	BOBR COMPLETE WAGON	Allowed	2018-19			5025000					3246150		3246150	1778850
105	Clyde Pumps India Pvt Ltd	FA1B75:COMPLETE PUMP ASSY.	Not Claimed	2018-19			2030800					1714560		1714560	316240
106	ABB India Limited	ELECT.ACTUATOR: RHD1250,WITH ACCSR; AB	Not Claimed	2018-19			306000							0	306000
107	SUMESH PETROLEUM	FILTER M/C	Not Claimed	2018-19			167745					167745		167745	0
108	ABB India Limited	ELEC LEVER ACT(220V) FOR BFP SCOOP	Not Claimed	2018-19			286704					210985		210985	75719
109	NEW ALLENBERRY WORKS	GB:GR-113.006:1:COMP ASSY:	Not Claimed	2018-19			267700					267700		267700	0
110	TALSALES PVT LTD	SCREW COMPRESSOR	Not Claimed	2018-19			222700					146000		146000	76700
111	BHARAT HEAVY ELECTRICALS LTD	MOTR 1SQL6.6KV:600-605KW:6P:B3 TEFC HF	Not Claimed	2018-19			3829100					3829100		3829100	0
112	GEECO ENERCON PVT LTD	HOT END SECTOR PLATE ASLY,AIR PREHEAT	Not Claimed	2018-19			1015272					994967		994967	20305
113	SUMESH PETROLEUM	COMPRESSOR+AIR DRYING UNIT	Not Claimed	2018-19			83500					21255		21255	62245
114	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	2018-19			5608634					5608634		5608634	0
115	FLOWSERVE SANMAR LTD.	APTO-3.750":MECHANICAL SEAL COMP.ASSY	Not Claimed	2018-19			102542					102542		102542	0
116	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	2018-19			24773714					13828020		13828020	10945694
117	KC COTTRELL CO LTD	R&Retrofittings Of ESP ST-I (Unit-I)	Claimed	2018-19			58007277								58007277
118	HIGHGROUND ENERGY PVT LTD	4 X 10 KW Solar PV Grid	Not Allowed	2018-19			278000					278000		278000	0
119	EMKAY ENTERPRISES	A45-FG:COMPLETE ASSY	Not Claimed	2018-19			537708								537708
120	Electro Zavod India Pvt Ltd	SUSPENDED MAGNTC.SEPARTR:SMNR1-165/40	Not Claimed	2018-19			349800								349800
121	NEW ALLENBERRY WORKS	COMP.ASSY.-HORIZONTAL-1450:31.46:1/46.	Not Claimed	2018-19			46900								46900
122	JITENDRA NATH BARDHAN	Strengthening of MGR Track	Claimed	2018-19			54492								54492
123	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	2018-19			-3429722								-3429722
124	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	2018-19	60107.08		96451								96451
125	BHARAT HEAVY ELECTRICALS LTD	HPCV SERVOMOTOR DRG:01140201000/0	Not Claimed	2018-19			20895					20895		20895	0
126	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	2018-19			1888000								1888000
127	ABB India Limited	RELY NUM:220V DC:DIFF-RELY,2-W XYMR	Not Claimed	2018-19			412998					379982		379982	33016
128	SCHENCK PROCESS SOLUTIONS	BELT DRIVE REDUCER FOR STOCK COAL FEED	Not Claimed	2018-19			54600					54600		54600	0
129	Clyde Pumps India Pvt Ltd	JOURNAL BRG.HALF:NDE#75-WEIR BFP-FK4E3	Not Claimed	2018-19			67200					67200		67200	0
130	Clyde Pumps India Pvt Ltd	THRUST BRG#78-WEIR BFP-PR.PUMP:FK4E36	Not Claimed	2018-19			3958200					3958200		3958200	0
131	ABB India Ltd.	MDBFP SCOOP ELECTRONIC PWR UNIT KE-3	Not Claimed	2018-19			47200								47200
132	BHARAT HEAVY ELECTRICALS LTD	IMPELLER BLADES TP971607240000	Not Claimed	2018-19			4756674					3473956		3473956	1282718
133	BHARAT HEAVY ELECTRICALS LTD	450KW,SCIM,3PH,6.6KV,988 RPM,TEFC	Not Claimed	2018-19			4035600					4035600		4035600	0
134	BHARAT HEAVY ELECTRICALS LTD	MOTR 1SQL6.6KV:280KW:4P:B3TEFC:ILA7560	Not Claimed	2018-19			3829100					3829100		3829100	0
135	SHREEVARI ENERGY SYSTEMS PVT LTD	COLD END SECTOR PLATE ASSLY FOR SAPH	Not Claimed	2018-19			1463200					1401200		1401200	62000
136	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	2018-19			5608634					5608634		5608634	0
137	ABB India Limited	NUMERICAL DISTANCE PROTECTION RELAY	Not Claimed	2018-19			1392400					1392400		1392400	0
138	EASTERN INDIA ENTERPRISE	Up gradation of DDCMIS ST-II	Allowed	2018-19			67235								67235
139	THE BABCOCK & WILCOX COMPANY	C.F.S LIGHTER ASSY,7587G100 **(CAP/03)	Not Claimed	2018-19			18875447								18875447
140	THE BABCOCK & WILCOX COMPANY	MPS 89G:BALL SCREW JACK ASSY 74" STROK	Not Claimed	2018-19			4644969								4644969
141	THE BABCOCK & WILCOX COMPANY	MPS 89G:HIGH SPEED SHAFT	Not Claimed	2018-19			5306413								5306413
142	THE BABCOCK & WILCOX COMPANY	MPS 89G:PORTABLE HYDRAULIC POWER UNIT	Not Claimed	2018-19			3250633								3250633
143	Kingsbury Inc	THRUST PADS SET FOR 56 BV SERIES 1000	Not Claimed	2018-19			12012079								12012079
144	THE BABCOCK & WILCOX COMPANY	MPS 89G:RING SEAT FOR MILL	Not Claimed	2018-19			19568203								19568203
145	THE BABCOCK & WILCOX COMPANY	MPS 89G:ROLL WHEEL SEAL AIR ASSY.	Not Claimed	2018-19			1652819								1652819
146	METSO ASIA PACIFIC PTE LTD	915A:CAGE FRAME ASSY	Not Claimed	2018-19			12041822								12041822
147	TLT TURBO GMBH	SHAFT WITH BEARING ASY-FD FAN AP1 26/	Not Claimed	2018-19			3821273								3821273
148	TLT TURBO GMBH	SHAFT&BEARING ASY-PA FAN AP 2 20/12	Not Claimed	2018-19			1405413								1405413
149	TLT TURBO GMBH	HAFT DRG.NO-KKK 16260161320	Not Claimed	2018-19			1646778								1646778
150	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	2019-20				80284190.80		16954789.00					16954789

Flow of Capital liabilities from 01.04.2014

Form-S

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	Original Liability	Undischarged liabilities relating to GB as on 01.04.2009	Undischarged liabilities relating to GB 31.03.2019	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2019-20 as per annexure I B-column 9	Contractors ERV updation	Discharge during the year 2019-20		Total discharge	Undischarged liabilities relating to GB 31.03.2020
151	P S JIVRAJ & CO	AERIAL TOWER WAGON	Not Claimed	2019-20				1984760.00		297790.00					297790
152	GE T & D INDIA LTD	NUMERICAL MULTIFUNCTION RELAY,GEN 100	Not Claimed	2019-20				11827022.00		5139160.00					5139160
153	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	2019-20				41328328.00		6154820.00					6154820
154	SCHNEIDER ELECTRIC INFRASTRUCTURE	NUMERICAL FEEDER PROTECTION RELAY 1A	Not Claimed	2019-20				2130254.00		1029314.00					1029314
155	EMERSON PROCESS MANAGEMENT	REHEATR SPRAY CONTRL GLOBEV/V,CAPITALI	Not Claimed	2019-20				1225294.50		101955.00					101955
156	BHARAT HEAVY ELECTRICALS LTD	TUBE SYSTEM FOR SEAL OIL COOLER 210MW	Not Claimed	2019-20				2439500.00		2360000.00					2360000
157	MODERN COMMERCIAL CORPORATION	FLENDER:SDO250:COMP ASMBLY	Not Claimed	2019-20				1046660.00		127263.00					127263
158	CESARE BONETTI INTERNATIONAL PVT LT	8"G/VV PN420:COMPLETE VALVE ASSY.:	Not Claimed	2019-20				3341996.00		142642.00					142642
159	Delta Automation	CAM CLUTCH BOX(C.W)SIZE0860	Not Claimed	2019-20				1350331.00		52346.00					52346
160	REINEKE ENGINEERING PVT LTD	COMPLETE ACTUATOR LEAK/SEAL STEAM ACT	Not Claimed	2019-20				6035792.00		81996.00					81996
161	Y CUBE ENGINEERED SOLUTIONS PVT LTD	ROTARY CYL.ACTUATOR: GS16-PC12; DEZUR	Not Claimed	2019-20				2452512.00		103918.00					103918
162	GLOBAL UDYOG	FLUID COUPLING:41SCR24X COM ASSY PEMB	Not Claimed	2019-20				3281226.00		312283.00					312283
163	KIRLOSKAR BROTHERS LTD	BHR35-22 1/2DEG:COMP.PUMP ASSLY	Not Claimed	2019-20				1515311.00		488679.00					488679
164	BOSTIN ENGINEERS PVT LTD	ECONOMISER-I COIL OF 210MW BOILER	Not Claimed	2019-20				8047718.00		668500.00					668500
165	BHARAT HEAVY ELECTRICALS LTD	IMPELLER FOR ID FAN ST I	Not Claimed	2019-20				1130317.00		239894.00					239894
166	FLOWSERVE SANMAR LTD.	FK4E36:MECHANICAL SEAL (DE)	Not Claimed	2019-20				310104.00		9303.00					9303
167	CG POWER AND INDUSTRIAL SOLUTIONS	CHP MOTOR 6.6 KV, 280 KW	Not Claimed	2019-20				1475000.00		125000.00					125000
168	Clyde Pumps India Pvt Ltd	TDBFP BOOSTER PUMP ROTOR ASSEMBLY	Not Claimed	2019-20				1298000.00		152429.00					152429
169	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	2019-20				1404387.30		1386759.00					1386759
170	ALLWEILER INDIA PVT. LTD.	SNH 210R 46/U7W 3:COMP.PUMP ASSLY	Not Claimed	2019-20				1259781.40		1259781.40					1259781
171	ALLWEILER INDIA PVT. LTD.	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	2019-20				1339511.40		1317668.60					1317669
172	KSB MIL CONTROLS LIMITED	SH SPRAY BRANCH BLOCK V/V PART NO.SD4	Not Claimed	2019-20				575681.88		575681.88					575682
173	KSB MIL CONTROLS LIMITED	SH SPRAY COMMON BLOCK V/V PART NO.SD3	Not Claimed	2019-20				557013.69		557013.69					557014
174	KSB MIL CONTROLS LIMITED	SH SPRAY BYPASS CONTROL V/V PART NO.SD	Not Claimed	2019-20				850319.43		850319.43					850319
175	ELECON ENGINEERING CO LTD	HM263/264:HYD. CYLINDER	Not Claimed	2019-20				4793586.90		4793586.90					4793587
176	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	2019-20				3190573							0
177	P S JIVRAJ & CO	ACB,4000A,3P,60KA,CATEGORY-B, 220VDC	Not Claimed	2019-20				672000		54000					54000
178	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	2019-20				8682508		8682507.62					8682508
179	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	2019-20				146540		146540.14					146540
180	M/S ABB LTD.	SUPPLY OF DAS PACKAGE	Not Claimed	2019-20				1117867		1117867.01					1117867
181	CE TESTING COMPANY PVT LTD	Geotechnical Investigation at Nishindra Ash Dyke Lagoon-I&II	Claimed	2019-20				1979511		228268.00					228268
182	MODERN COMMERCIAL CORPORATION	ACB 3PH 650V 1600A SIEMENS MAKE	Not Claimed	2019-20				2380396		2380395.00					2380395
183	BHARAT HEAVY ELECTRICALS LTD	GENERATOR SEAL BODY EXCITER END	Not Claimed	2019-20				1213800		20400					20400
184	BHARAT HEAVY ELECTRICALS LTD	VALVE CONE DRG.01230401000C/08	Not Claimed	2019-20				720783		50627					50627
185	GE OIL & GAS INDIA PRIVATE LIMITED	FK4E36:BFP RC VALVE ASSY	Not Claimed	2019-20				6977731		58636.4					58636
186	VOITH TURBO PVT LTD	VOITH:1780 SVNL 21-80G:THRUST BRG- 3	Not Claimed	2019-20				5309649		44618.9					44619
187	Delta Automation	CAM CLUTCH BOX(C.C.W),SIZE0860	Not Claimed	2019-20				1350332		20528					20528
188	SBM ENTERPRISE	COMPLETE BOWL ASSY.IN ASSEMBLED CONDIT	Not Claimed	2019-20				1933106		78581.54					78582
189	BHARAT HEAVY ELECTRICALS LTD	MAIN SHAFT FOR ID FAN ST-I	Not Claimed	2019-20				3330810		104664					104664
190	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER46U7.4W3:PUMP CARTRIDGE	Not Claimed	2019-20				899958		15509.88					15510
191	SIEMENS LTD	ACB 3PH 650V 1600A SIEMENS MAKE	Not Claimed	2019-20				637200		637200					637200
192	Stahl Cranesystems Gmbh	DMWC:PRECISION HOISTING GEAR	Not Claimed	2019-20				4053922		3271655.32					3271655
193	ALLWEILER INDIA PVT. LTD.	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	2019-20				21842		21842					21842
194	BHARAT HEAVY ELECTRICALS LTD	DPU-4F PRIMARY PROCESSOR: ED69230D401	Not Claimed	2019-20				5159364		5159364					5159364
195	BHARAT HEAVY ELECTRICALS LTD	DPU-4F SECONDARY.PROCESSOR: ED69230D4	Not Claimed	2019-20				6821344		6124342					6124342
196	Senorita Marketing PVT LTD	CARTRIDGE ASSY PDHU70 CAPT03RT NO.SD4	Not Claimed	2019-20				650416		650416					650416
197	BHARAT HEAVY ELECTRICALS LTD	C&I System for FSTPP_Under R&M_St-I(Unit#3)	Not Allowed	2020-21											
198	KC COTTRELL CO LTD	R&Retrofittings Of ESP ST-I (Unit-I)	Claimed	2020-21											
199	NTPC GE POWER SERVICES PRIVATE	RLA study of Critical Piping-Stage-I (Unit#II)	Not Allowed	2020-21											
200	AUMA INDIA PVT LTD	Replacement of Electrical Actuators under R&M U#II	Not Allowed	2020-21											
201	OTIS ELEVATOR	TENDER CODE:ELEVATOR-900KG	Not Allowed	2020-21											
202	OTIS ELEVATOR	TENDER CODE:ELEVATOR-1500KG	Not Allowed	2020-21											
203	BEACON ELEVATOR CO PVT LTD	TC:ELEVATOR-1000KG	Not Allowed	2020-21											
204	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	2020-21											
205	OTIS ELEVATOR	TENDER CODE:ELEVATOR-900KG	Not Allowed	2020-21											
206	THE BABCOCK & WILCOX COMPANY	MPS 89G:WHEEL	Not Claimed	2020-21											
207	TLT TURBO GMBH	BLADE DRG.NO-KKK16201260034(1) (ANSALD	Not Claimed	2020-21											
208	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE ASSY(MK-1) INSULATED	Not Claimed	2020-21											
209	THE BABCOCK & WILCOX COMPANY	MPS 89G:HEAT EXCHANGERILL	Not Claimed	2020-21											
210	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:SILENCER	Not Claimed	2020-21											
211	WPIL LTD	C24TC:COMPLETE ASSY	Not Claimed	2020-21											
212	RANCHI ELECTRICALS	10/8FFAH:COMPLETE ASSY	Not Claimed	2020-21											
213	BHARAT HEAVY ELECTRICALS LTD	DRIVE CONTROL MODULE 69205DSZAB MAX-DN	Not Claimed	2020-21											
214	INCOTECH AUTOMATION SOLUTIONS	MINI PLC,MAKE:GE-FANUAC,CAT.:IC693PCM3	Not Claimed	2020-21											
215	BHARAT HEAVY ELECTRICALS LTD	MDL CE69202ASYNA 7VE2146-1, ED74040012	Not Claimed	2020-21											
216	VISSION AUTOMATION PVT LTD	UNITY CPU MODULE: 140CPU67160; SHNEIDE	Not Claimed	2020-21											
217	BHARAT HEAVY ELECTRICALS LTD	SEAL OIL DIFFERENTIAL PRESSURE REGULATOR	Not Claimed	2020-21											
218	TLT TURBO GMBH	ID FAN SHAFT (CAPT/03) (ANSALDO)	Not Claimed	2020-21											
219	FEC INDIA PVT LTD	GB:FAIRFIELD:W10D2505123:COMP ASSY	Not Claimed	2020-21											
220	ALLWEILER INDIA PVT. LTD.	T3SA 38/42:COMPLETE PUMP ASSY	Not Claimed	2020-21											
221	GE OIL & GAS INDIA PRIVATE LIMITED	PNEUMATIC ACTUATORS SIZE 18INCH	Not Claimed	2020-21											
222	Kingsbury Inc	BEARING HOUSING FOR SAPH ST II	Not Claimed	2020-21											
223	Kingsbury Inc	PAPH SUP BRG.KINGSBURI,41BV,450(ANSALD	Not Claimed	2020-21											
224	LAXMI ENGINEERING INDUSTRIES	COMPLETE TUBE NEST OF MAIN EJECTOR210M	Not Claimed	2020-21											
225	BHARAT HEAVY ELECTRICALS LTD	GENERATOR BEARING EE 91390101000-00	Not Claimed	2020-21											
226	SHRI BALAJI INDUSTRIAL PRODUCTS	WORM SHAFT+WORM GEAR+LOCK NUTS XRP-803	Not Claimed	2020-21											
227	SHRI BALAJI INDUSTRIAL PRODUCTS	GRINDING ROLL SET FOR XRP 803 MILL	Not Claimed	2020-21											
228	TRIDENT EQUIPMENTS PVT LTD	CHLORIDE ANALYSER - COMPLETE	Not Claimed	2020-21											
229	THE BABCOCK & WILCOX COMPANY	MPS 89G:RING SEAT FOR MILL	Not Claimed	2020-21											
230	FLUIDOMAT LTD	F.C:FLUIDOMAT:FCU T12/13:COMP ASSY	Not Claimed	2020-21											
231	1139299 ROCKWELL AUTOMATION INDIA PVT LTD	M95670520 26N ALLEN BRADLEY PROCESSOR P/N: PLC 5/40	Not Claimed	2020-21											
232	THE BABCOCK & WILCOX COMPANY	MPS 89G:WHEEL	Not Claimed	2020-21											
233	SIEMENS LTD	SEALING RING DRG:11051410008/06	Not Claimed	2020-21											
234	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE ASSY(MK-1) INSULATED	Not Claimed	2020-21											

Flow of Capital liabilities from 01.04.2014

Form-S

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	Original Liability	Undischarged liabilities relating to GB as on 01.04.2009	Undischarged liabilities relating to GB 31.03.2019	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2019-20 as per annexure I B-column 9	Contractors ERV updation	Discharge during the year 2019-20		Total discharge	Undischarged liabilities relating to GB 31.03.2020
235	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE SEAL HOUSING	Not Claimed	2020-21											
236	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	2020-21											
237	THE BABCOCK & WILCOX COMPANY	MPS 89G:SPRING FRAME	Not Claimed	2020-21											
238	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	2020-21											
239	THE BABCOCK & WILCOX COMPANY	MPS 89G:SPRING FRAME	Not Claimed	2020-21											
240	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	2020-21											
241	JITENDRA NATH BARDHAN	Strengthening of MGR Track	Claimed	2020-21											
242	C&S ELECTRIC LTD	Procurement of Supply and Retrofitting of LT Air circuit Breaker	Not Allowed	2021-22											
243	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-IV)	Claimed	2021-22											
244	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-IV)	Claimed	2021-22											
245	KC COTTRELL CO LTD	R&Retrofittings Of ESP ST-I (Unit-III)	Claimed	2021-22											
246	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	2021-22											
247	SHRI BALAJI INDUSTRIAL PRODUCTS	GRINDING ROLL SET FOR XRP 803 MILL	Not Claimed	2021-22											
248	BHARAT HEAVY ELECTRICALS LTD	IMPELLER BLADES BLADE BEARING ASSEMBLY	Not Claimed	2021-22											
249	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:BLADE BRG. ASSY.	Not Claimed	2021-22											
250	BHARAT HEAVY ELECTRICALS LTD	SHAFT&BEARING ASY-PA FAN AP 2 20/12	Not Claimed	2021-22											
251	BHARAT HEAVY ELECTRICALS LTD	BLADE FOR AP2-20/12,P.A. FAN	Not Claimed	2021-22											
252	BHARAT HEAVY ELECTRICALS LTD	RADIAL THRUST BRG D380X290 01170327000	Not Claimed	2021-22											
253	BHARAT HEAVY ELECTRICALS LTD	JOURNAL BRG D450X450 DRG:11181841000/0	Not Claimed	2021-22											
254	BMW STEELS LTD	MPS 89G:CERAMIC CONE ASSY. WITH FASTN	Not Claimed	2021-22											
255	EIP ENVIRO LEVEL CONTROL PVT LTD	3D- BUNKER LEVEL MEAUSREMENT SYSTEM	Not Claimed	2021-22											
256	LIMITORQUE INDIA LTD	Replacement of Elect Actuators under R&M_U#I&III	Not Allowed	2021-22											
257	LIMITORQUE INDIA LTD	Replacement of Elect Actuators under R&M_U#I&III	Not Allowed	2021-22											
258	NTPC GE POWER SERVICES PRIVATE	RLA study of Critical Piping-Stage-I (Unit#I)	Not Allowed	2021-22											
259	THE ENERGY & RESOURCES INSTITUTE	BIO-METHANATION PLANT IN TOWNSHIP	Claimed	2021-22											
260	UT PUMPS & SYSTEMS PV	W6.4ZK75:COMP PUMP ASSY	Not Claimed	2021-22											
261	SIEMENS LTD	JOURNAL BRG D500X450 DRG:01181402000/0	Not Claimed	2021-22											
262	BHARAT HEAVY ELECTRICALS LTD	Mega R&M of C&I System_St-I(Unit#1)	Not Allowed	2021-22											
263	KSB PUMPS LTD	COMPLETE ASSEMBLY OF CONTROL FLUID PUM	Not Claimed	2021-22											
264	CONTROL COMPONENT INDIA PVT LTD	ACTUATOR ASM 250-10; PN. 103.152.131.2	Not Claimed	2021-22											
265	GE T & D INDIA LTD	RELAY PANEL	Not Claimed	2021-22											
266	MINIMAC SYSTEMS PVT LTD	FILTER M/C	Not Claimed	2021-22											
267	DHULIYAN BIDHABA MAHILA KALIAN	R&M of FH IV & VII in FH Township	Not Allowed	2021-22											
268	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	2021-22											
269	BHARAT HEAVY ELECTRICALS LIMITED	MPS 89G:CERAMIC CONE ASSY. WITH FASTN	Not Claimed	2021-22											
270	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	2021-22											
271	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	2021-22											
272	THE BABCOCK & WILCOX COMPANY	MPS 89G:GEAR DRIVE	Not Claimed	2021-22											
273	SUNAG CORPORATION(USA)	GB:CONE DRIVE:SR60A322:COMP ASSY	Not Claimed	2021-22											
274	NEW ALLENBERRY WORKS	GB:CSB:450:COMPL ASSY	Not Claimed	2021-22											
275	ELECON ENGINEERING CO LTD	ELECON:NK-KCU200:COMPL GEAR BOX ASSY	Not Claimed	2021-22											
276	ELECON ENGINEERING CO LTD	HM263/264:BW SHAFT COMPLETE ASSY	Not Claimed	2021-22											
277	SIEMENS LTD	RG3-S:SINAMICS S120 SINGLE MOTOR MODUL	Not Claimed	2021-22											
278	CONTROL COMPONENT INDIA PVT LTD	ELECTRO-HYDRAULIC ACTUATOR ASM200-10	Not Claimed	2021-22											
279	TRF LTD	E-13:VIBRATING ASSEMBLY	Not Claimed	2021-22											
280	BHARAT HEAVY ELECTRICALS LTD	INLET INSERT DRG:01051402000/001	Not Claimed	2021-22											
281	WPIL LTD	RF24TC:COMP ASSY	Not Claimed	2021-22											
282	SIEMENS LTD	BREECH NUT DRG:11051409000/03	Not Claimed	2021-22											
283	ALLWEILER INDIA PVT. LTD.	COMPLETE CARTRIDGE ASSY FOR HFO PUMP	Not Claimed	2021-22											
284	WPIL LTD	JTC-12GM:BOWL ASSLY	Not Claimed	2021-22											
285	BHARAT HEAVY ELECTRICALS	CCS BLOBE VALVE 65MM HAND OPERATED	Not Claimed	2021-22											
286	BHARAT HEAVY ELECTRICALS LTD	DRIVE CONTROL MODULE 69205DSZAB MAX-DN	Not Claimed	2021-22											
287	BHARAT HEAVY ELECTRICALS LTD	DPU4F PRIM.PROCESR: ED69230D406D; BHEL	Not Claimed	2021-22											
288	LMG HYDRO PNEUMATICS	A4VG125EP2DM1:COMP.PUMP ASSLY.	Not Claimed	2021-22											
289	SCHNEIDER ELECTRIC INFRASTRUCTURE	Supply and Retrofitting of 6.6 KV VCB	Not Allowed	2021-22											
290	THE BABCOCK & WILCOX COMPANY	MPS 89G:PORTABLE HYDRAULIC POWER UNIT	Not Claimed	2021-22											
291	LOTUS CONSTRUCTION COMPANY	2ND RAISING OF KENDUA ASH DYKE LAGOON-I	Claimed	2021-22											
292	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	2022-23											
293	BHARAT HEAVY ELECTRICALS LTD	C&I System for FSTPP Under R&M St-I(Unit#1)	Not Allowed	2022-23											
294	ABB India Limited	AGC Implementation work	Claimed	2022-23											
295	ALIKRAFT ENGINEERS PVT LTD	Elevator at TP-11 of CHP	Not Allowed	2022-23											
296	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-V)	Claimed	2022-23											
297	BHARAT HEAVY ELECTRICALS LTD	PLUNGER COIL FOR HP,LP CONTROL VALVES	Not Claimed	2022-23											
298	CG POWER AND INDUSTRIAL	BUS DCT&ACCES CURNTTRANSFOR132KVTELK	Not Claimed	2022-23											
299	STATIC SYSTEMS ELECTRONICS PVT LTD	ACOUSTIC LEAK DETECTION SYSTEM- COMPLE	Not Allowed	2022-23											
300	TECHNO SERVICES ENGINEERING	MOTR 1SQL6.6KV:1650KW:6P:B3-TETV:CT630	Not Claimed	2022-23											
301	BHARAT HEAVY ELECTRICALS LTD	MAIN SHAFT FOR ID FAN ST-I	Not Claimed	2022-23											
302	BHARAT HEAVY ELECTRICALS LTD	SHAFT WITH BEARING ASY-FD FAN AP1 26/	Not Claimed	2022-23											
303	BHARAT HEAVY ELECTRICALS LTD	SEALING RING (IN 6 PARTS) 01050509000	Not Claimed	2022-23											
304	WAM INDIA PVT LTD	ZAMBA15N14021:COMP ASSLY	Not Claimed	2022-23											
305	P S ENTERPRISE	MATL-14E02:99-TAS-80	Not Claimed	2022-23											
306	KIRLOSKAR BROTHERS LTD	COMPLETE BOWL ASSY.IN ASSEMBLED CONDIT	Not Claimed	2022-23											
307	KIRLOSKAR BROTHERS LTD	BOWL ASSEMBLY OF STG-I CWP	Not Claimed	2022-23											
308	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	2022-23											
309	THE BABCOCK & WILCOX COMPANY	MPS 89G:TOP HOUSING ASSY.	Not Claimed	2022-23											
310	BHARAT HEAVY ELECTRICALS LTD	CCS GLOBE VALVE 65MMMOTORIESED	Not Claimed	2022-23											
311	VOITH TURBO PVT LTD	VOITH:1780 SVNL 21-80G:COMPLETE ASSEMB	Not Claimed	2022-23											
312	BHARAT HEAVY ELECTRICALS LTD	POWR SUPLY AC/DC CNVRTR 'KX9180A' ;DVR	Not Claimed	2022-23											
313	SHRI BALAJI INDUSTRIAL PRODUCTS	MPS 89G:TIRE (VAM-20)	Not Claimed	2022-23											
314	SUNAG CORPORATION	GB:CONE DRIVE:SR60A322-C1:COMP ASSY	Not Claimed	2022-23											
315	DEZURIK INC	PEC-ECC-14":COMPL. V/V ASSY.	Not Claimed	2022-23											
316	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER46U7.4W3:PUMP CARTRIDGE	Not Claimed	2022-23											
317	AISHWARYA TECHNOLOGIES AND	UNDERGROUND WIRE & PIPE LOCATOR: LKZ15	Not Claimed	2022-23											
318	KSB MIL CONTROLS LIMITED	REHEATER SPRAY CONT.VALVEOR41,44,47,50	Not Claimed	2022-23											

Flow of Capital liabilities from 01.04.2014

Form-S

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	Original Liability	Undischarged liabilities relating to GB as on 01.04.2009	Undischarged liabilities relating to GB 31.03.2019	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2019-20 as per annexure I B-column 9	Contractors ERV updation	Discharge during the year 2019-20		Total discharge	Undischarged liabilities relating to GB 31.03.2020
319	KSB MIL CONTROLS LIMITED	REHEATER SPRAY CONT.VALVEOR41,44,47,50	Not Claimed	2022-23											
320	BHARAT HEAVY ELECTRICALS LTD	K1401-2:LPC VALVE 200/125/U-2:COMP.ASS	Not Claimed	2022-23											
321	WPIL LTD	JTC-12GM:COMP.PUMP ASSY.	Not Claimed	2022-23											
322	SCHENCK PROCESS SOLUTIONS	BELT DRIVE REDUCER FOR STOCK COAL FEED	Not Claimed	2022-23											
323	KAREYN PRECISION MACHINES PVT LTD	PLUNGER COIL FOR HP,LP CONTROL VALVES	Not Claimed	2022-23											
324	HACH DHR INDIA PRIVATE LIMITED	ONLINE SILICA ANALYSER RANGE:0-5000PPB	Not Claimed	2022-23											
325	FLOWMORE LTD	5824-125X100:COMP.PUMP ASSLY	Not Claimed	2022-23											
326	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:SHAFT +BRG. ASSY	Not Claimed	2022-23											
327	BHARAT HEAVY ELECTRICALS LTD	SERVO MOTOR ASSLY FOR F.D.FAN	Not Claimed	2022-23											
328	BHARAT HEAVY ELECTRICALS LTD	AUX GEN AG-51/M FOR BHEL WDM-2 CLASS	Not Claimed	2022-23											
329	BHARAT HEAVY ELECTRICALS LTD	TUBE SYSTEM FOR SEAL OIL COOLER 210MW	Not Claimed	2022-23											
330	NEW ALLENBERRY WORKS	GB:N.ALLENBERY:CSB:450:COMP ASSY	Not Claimed	2022-23											
331	AUMA INDIA PVT LTD	ELECT.ACTUATOR: SA14.6/AM02.1-F14-ON/O	Not Claimed	2022-23											
332	BHARAT HEAVY ELECTRICALS LTD	DLWSPR:TRACTION MOTOR WITH PINION	Not Claimed	2022-23											
333	BEML LIMITED	BD-155:TRACK SHOE ASSY	Not Claimed	2022-23											
334	Hamon Research-cottrell	MICRO PROCESSOR POWER BOARD,P/N:307801	Not Claimed	2022-23											
335	MARATHON ELECTRIC MOTORS INDIA LTD	3P IM; 415V;110 KW;1475 RPM;TYPE:TFO;	Not Claimed	2022-23											
336	WPIL LTD	Procurement of WPIL make BAHP pump comp assembly	Not Claimed	2023-24											
337	WPIL LTD	Supply of WPIL make Pumps and spares for Offsite Area	Not Claimed	2023-24											
338	SIEMENS LTD	Procurement of Turbine side spares	Not Claimed	2023-24											
339	ALFA LAVAL INDIA PRIVATE LTD	PROCUREMENT OF MOT CENTRIFUGE	Not Claimed	2023-24											
340	MERRICK INDUSTRIES PVT LTD	Up-gradation of St-1 Merrick Coal feeders -18 nos	Claimed	2023-24											
341	NEW ALLENBERRY WORKS	Purchase Order for Supply of Gearboxes for CHP	Not Claimed	2023-24											
342	BHARAT HEAVY ELECTRICALS LTD	SUPPLY OF 10MW BFP MOTOR FOR MDBFP OF STAGE-II UNITS(CAPITAL SPARES).	Not Claimed	2023-24											
343	BHARAT HEAVY ELECTRICALS LTD	Procurement of Turbine side capital spares	Not Claimed	2023-24											
344	RANCHI ELECTRICALS	PROCUREMENT OF WEIR WARMAN MAKE COMPLETE ASSEMBLY OF ASH SLURRY PUMP FOR STAGE_1	Not Claimed	2023-24											
345	MINIMAC SYSTEMS PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine	Not Claimed	2023-24											
346	BHARAT HEAVY ELECTRICALS LTD	Procurement of Rotor & Impellar	Not Claimed	2023-24											
347	GARDNER DENVER NASH LLC	PROCUREMENT OF CONDENSER VACCUM PUMP	Not Claimed	2023-24											
348	IGUS INDIA PVT LTD	Retrofitting work of energy chain system in place of CRD includes design, supply, installation & commissioning for Paddle Feeder-1 & 2 of Track Hopper NTPC Farakka	Claimed	2023-24											
349	S D ENGINEERING WORKS	SUPPLY ERECTION AND COMMISSIONING OF SUSPENDED MAGNET FOR CHP NTPC FARAKKA.	Not Claimed	2023-24											
350	RAMP DISPLAY SOLUTIONS PVT LTD	PROCUREMENT LED BASED LVS	Not Claimed	2023-24											
351	MECH-WELL INDUSTRIES LTD	Purchase Order for Supply of components of Coal Burner of Stage-I APH Inlet and Outlet Dampers Farakka STPS	Not Claimed	2023-24											
352	CG POWER AND INDUSTRIAL	SUPPLY OF CGL MOTORS NTPC FARAKKA	Not Claimed	2023-24											
353	ESCORTS KUBOTA LIMITED	PURCHASE OF 02 NOS. OF BACKHOE LOADERS AT CHP FOR NTPC FARAKKA	Not Claimed	2023-24											
354	KLEENOIL FILTERATION INDIA PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine.	Not Claimed	2023-24											
355	KLEENOIL FILTERATION INDIA PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine.	Not Claimed	2023-24											
356	BANARAS LOCOMOTIVE WORKS	Procurement of 04 Nos WDG3A Locomotives for NTPC Farakka	Claimed	2023-24											
357	BANARAS LOCOMOTIVE WORKS	Procurement of 04 Nos WDG3A Locomotives for NTPC Farakka	Claimed	2023-24											
358	ROYAL INFRACONSTRU LTD	CONSTRUCTION OF NEW TWO LANE ROAD BRIDGE ADJACENT TO THE EXISTING BRIDGE AT RD 8.5 OVER FEEDER CANAL AT FARAKKA	Allowed	2023-24											
	TOTAL ST - I & II					**51568773**	**1345944284**	**240534251**	**0**	**74150855**	**0**	**69095659**	**0**	**69095659**	**1350999479**
B	**For assets eligible for ROE at weighted average rate of interest on loan**	**NA**													1350999479

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2020-21 as per annexure I B-column 9	Contractors ERV updation	Discharge during the year 2020-21		Total discharge	Undischarged liabilities relating to GB 31.03.2021	CAPITALISATION	Reference in Annexure-IB
									-by payment	-by reversal				
(1)	(2)	(3)		(4)			(6)	(6A)	(7)	(8)	(9)=(7+8)	(10)=(5+6+6A-9)		
	for assets eligible for normal ROE													
	Prior to 01.04.2004													
1	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed								0	80688295		
2	RODE KONCAR	UNIT AND STATION TRANSFORMER	Allowed								0	2292491		
3	GDC	PILLIN PIPE CAPS FOR STAGE - II, WO - 1955 & 1954	Allowed											
4	IRCON	CONSTRUCTION OF SIMULATANEOUS LINES FOR DESPATCH FACILITIES AT KAMARPUR AND PATHRA STATION	Allowed											
5	NEEL KAMAL	CONSTRUCTION OF PEDSTALS FOR ADD. ASH PIPE LINES ST-I , WO-20115	Allowed											
6	N H CONSTRUCTION	CONSTN OF PEDESTAL AND LAYINNG OF WATER PIPE LINE	Not Allowed											
	TOTAL Prior to 01.04.2004								**0**	**0**	**0**	**82980786**		
7	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed	**2004-05**								6425848		
8	Yokogawa ; 40405 / 9034	SUPPLY,INSTAL,EREC.COMMNG.& TESTING OF ON LINE ZIRCONIUM BASED 02 ANALLYSERS	Allowed	**2005-06**							0	0		
9	Neo Teletronics ; 94N40694	High Voltage(AC)Test Kit Range to R&M) 2	Allowed	**2005-06**							0	0		
10	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed	**2006-07**								2567323		
11	GE INDIA INDUSTRIAL PVT.LTD.	MULTI CHANNEL (8 CHANNEL) PORTABLE VIBRATION ANALYSER	Allowed	**2006-07**							0	0		
12	EASTERN TRADE CENTRE	SQ.CAGE INDUCTION MOTOR FOR CF PUMP,132KW,240A,3000RPM,415V,INS.CL-F,DUTY-S1,3PH,FRAME-315M`SIEMENS'	Not Claimed	**2006-07**							0	0		
13	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Not Allowed	**2007-08**								1778561		
14	YOKOGAWA INDIA LIMITED	VIDEOGRAPHIC PAPERLESS REC	Not Claimed	**2007-08**							0	0		
15	SOURCE LIGHT BATTERY CO.	BATTERY 12VOLT,75AH SEALED	Not Claimed	**2007-08**							0	0		
16	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11, SITE ERV ANSALDO SPA - A0331/ WO-527-AID403, SITE ERV	Not Allowed	**2008-09**								19188165		
17	TARAPORE & CO	ASH HANDLING PLANT, Arbitration Award Const Ash Bund, Stage-I, TARAPORE & CO	Allowed	**2008-09**								1173292		
18	ENERGO ENGG. PROJECTS PVT .TD.	PNEUMATIC OPERATED 500NB K	Not Claimed	**2008-09**							0	0		
19	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV RODE KONCAR-439-R0178, SITE ERV	Not Claimed	**2008-09**								264658		
20	ACCESS COMPUTECH PVTLTD	INSTALLION OF e-ATTENDANCE RECORDING SYSTEM	Not Claimed	**2008-09**							0	0		
21	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11, SITE ERV 2009-10 ANSALDO SPA -	Not Allowed	**2009-10**								-11077211		
22	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2009-10 RODE KONCAR-439-	Not Claimed	**2009-10**								-136988		
23	ANSALDO SPA	STEAM GENERATOR & ESP STAGE -II	Not Allowed	**2010-11**								3307806		
24	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2009-10 RODE KONCAR-439-	Not Claimed	**2010-11**								-10251		
25	NPCC LTD	1ST RAISING OF MALANCHA ASH DYKE LAGOON	Not Allowed	**2010-11**								1500000		
26	ABB Limited	CURRENT TRANSFORMER,420KV,2000A,5 CORE	Not Claimed	**2010-11**							0	0		
27	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2011-12**								9611216		
28	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2011-12**								149103		
29	ANSALDO SPA	STEAM GENERATOR & ESP STAGE -II	Not Allowed	**2012-13**								1918632		
30	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2012-13	Not Claimed	**2012-13**								76182		
31	AREVA T&D INDIA LTD	RELAY PANEL	Not Claimed	**2012-13**							0	0		
32	M/S ABB LTD.	SUPPLY OF DAS PACKAGE	Not Claimed	**2013-14**								8178424		
33	EASTERN INDIA ENTERPRISE	FLY ASH CONCRETE ROAD AT INFRASTRUCTURE AREA	Not Claimed	**2013-14**							0	0		
34	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2013-14**								20529576		
35	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2013-14**								132795		
36	SCHNEIDER ELECTRIC INFRASTRUCTURE	M8579150001 VCB:6.6KV:800A:ANY STD MAKE/MODEL	Not Claimed	**2013-14**							0	0		
37	JITF WATER INFRASTRUCTURE LTD	Finacial lease-Coal Mat Handling system fkk JITF	Not Allowed	**2013-14**								600000000		
38	VIKRAM SOLAR PVT LTD	SOLAR POWER GENERATING UNIT	Not Allowed	**2014-15**							0	510		
39	RITES LTD	Strenthening of MGR Track	Claimed	**2014-15**								2933361		
40	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2014-15**								-23414036		
41	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2014-15**								60107		
42	ALSTOM T&D INDIA LTD	NUMERICAL MOTOR PROTECTION RELAY 1A	Not Claimed	**2015-16**					294602		294602	243048		
43	ELECON ENGINEERING CO LT	HM263/264:TRAVEL GEAR UNIT	Not Claimed	**2015-16**					381708	39422103	39803811	0		
44	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2015-16**								11445238		
45	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2015-16**								86432		
46	JITF WATER INFRASTRUCTURE LTD	Finacial lease-Coal Mat Handling system fkk JITF	Not Allowed	**2015-16**								300000000		
47	UTC Fire & Security India Ltd	FIRE DETECTION FOR WAGON TIPPLER PACKAGE	Allowed	**2016-17**								3575363		
48	K N INTERNATIONAL LTD	4TH RAISING OF NISHINDRA ASH DYKE	Claimed	**2016-17**					0		0	4961870		
49	Minimax GmbH & Co KG	INERT GAS FIRE EXTINGUISHING SYSTEM	Claimed	**2016-17**								9002018		
50	JITENDRA NATH BARDHAN	Strenthening of MGR Track	Claimed	**2016-17**					0	269500	269500	0		
51	BHARAT HEAVY ELECTRICALS LTD	400KV CVT(CAPITALISED)	Not Claimed	**2016-17**								187800		
52	HBL Power System Ltd	SET OF +/- 26V DC ATRS CHARGERS	Not Claimed	**2016-17**								344165		
53	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-300MM	Not Claimed	**2016-17**								33570		
54	ELECTRO THERAPY	15 T CAPACITY ELECTRIC HOIST	Not Claimed	**2016-17**					115500		115500	0		
55	Delta Automation	CAM CLUTCH BOX(C.W)SIZE0860	Not Claimed	**2016-17**								5132		
56	IMI NORGREN HERION PVT LTD	VACUUM BREAKER VALVE ASY 31324401000/0	Not Claimed	**2016-17**								194988		
57	GLOBAL UDYOG	G:BOX:VERTICAL:1500RPM:90:1:COMP ASSY	Not Claimed	**2016-17**								49350		
58	BHARAT HEAVY ELECTRICALS LTD	CONDENSATE EXTRACTION PUMP	Not Claimed	**2016-17**								870000		
59	WPIL LTD	HEAD SHAFT 58 DRG.NO-SK-1528-E	Not Claimed	**2016-17**								237954		
60	MODERN COMMERCIAL CORPORATION	ACB 3PH,650V 1000A,SIEMENS MAKE	Not Claimed	**2016-17**								97829		
61	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2016-17**								10185396		
62	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2016-17**								-27258		
63	EMERSON PROCESS MANAGEMENT	BASIC PROBE FOR OXYGEN ANALYZER OF 6FE	Not Claimed	**2016-17**					70000		70000	0		
64	DURAG INDIA INSTRUMENTATION	COMPLETE OPACITY MONITOR	Not Claimed	**2016-17**					67416		0	67416		
65	BHARAT HEAVY ELECTRICALS LTD	400KV CVT	Not Claimed	**2016-17**								82500		
66	P S JIVRAJ & CO	ACB,4000A,3P,60KA,CATEGORY-B, 220VDC	Not Claimed	**2016-17**								621000		

Flow of Capital liabilities from 01.04.2014

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67	SCHNEIDER ELECTRIC INFRASTRUCTURE	VCB 6.6KV:1600A:ANY MAKE/MODEL	Not Claimed	2016-17					520560		520560	86940		
68	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-200MM	Not Claimed	2017-18								45000		
69	LMG HYDRO PNEUMATICS	ROTOR:REXROTH:A2FM80/61W-VB0010 HYD MO	Not Claimed	2017-18								36694		
70	ARGO TECH INDIA PVT LTD	3HP DC MOTOR,R6520060008	Not Claimed	2017-18								5800		
71	SAPS POWER EQUIPMENTS PVT LTD	450MM(FIG950):COMPLETE ASSY.:	Not Claimed	2017-18								38121		
72	METAL ALLOYS CORPORATION	CPU:CONDENSER TUBE(DIA-19MM,THK-1MM)	Not Claimed	2017-18								156951		
73	SHANTHI GEARS LTD	GEAR BOX:BTN-360-SPL-4 MAKE:SHANTI	Not Claimed	2017-18								29289		
74	P S JIVRAJ & CO	AIR CIRCUIT BREAKER RS IS:10027800 A	Not Claimed	2017-18							0	35800		
75	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-200MM	Not Claimed	2017-18								15953		
76	AUTO PARTS & ACCESSORIES	IMPELLER FOR SEAL AIR FAN ST II	Not Claimed	2017-18								33425		
77	LORD VISHWAKARMA HEAT EXCHANGERS	COMPLETE TUBE NEST OF MAIN EJECTOR210M	Not Claimed	2017-18								65000		
78	AMICHAND TECHNOLOGICAL PVT LTD	NUMERICAL FEEDER PROTECTION RELAY 1A	Not Claimed	2017-18							0	39928		
79	WATERLINE CORPORATI	3P IM; 415V;110 KW;1475 RPM;TYPE:TFO;	Not Claimed	2017-18								27160		
80	SIEMENS LTD	AVR/DVR:DAVR SYSTEM	Not Claimed	2017-18					1198777		1198777	56455		
81	STOCK REDLER INDIA PVT LTD	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	2017-18							0	0		
82	JITENDRA NATH BARDHAN	Strenthening of MGR Track	Claimed	2017-18						5500	5500	45642		
83	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	2017-18								-2235975		
84	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	2017-18								-2329		
85	DHANBAD ELECTRICALS PVT LTD	2000A,ACB MICRO PROCESSOR BASED 3-POLE	Not Claimed	2017-18					270900		270900	0		
86	TOSHIBA TRANSMISSION & DISTRIBUTION	POWER XYMR 200MVA,400/21KV,DYN11,OFAF	Not Claimed	2017-18					4195400		4195400	0		
87	BHARAT HEAVY ELECTRICALS LTD	COUPLING BOLT M64 FOR BRG PED.4(CAPT/0	Not Claimed	2017-18								15120		
88	CYRUS INFRA TECH PRIVATE LIMITED	ID FAN SCOOP ACTUATOR	Not Claimed	2017-18							0	0		
89	ALFA LAVAL INDIA PRIVATE LTD	MAB 206:COMPLETE ASSY.	Not Claimed	2018-19								332000		
90	ELECTRO THERAPY	EL OP. HOIST-4.01-5.0T:ELECT HOIST 5MT	Not Claimed	2018-19							0	155250		
91	DCIPS	TRENCH LINER:COMP. ASSLY	Not Claimed	2018-19								79600		
92	AUTOMATIC ELECTRIC LTD	6.6KV CT 50/1/1A. 10VA,CL:1/15VA,5P15.	Not Claimed	2018-19								48930		
93	MERRICK INDUSTRIES PVT LTD	SIGNAL I/P MODULE OF SCR CONTR-M22419-	Not Claimed	2018-19								12634		
94	FEC INDIA PVT LTD	GB:FAIRFIELD:W10D2505123:COMP ASSY	Not Claimed	2018-19								154560		
95	NEW ALLENBERRY WORKS	SPEED REDUCER	Not Claimed	2018-19					91200		91200	0		
96	WPIL LTD	JTC-12GM:COMP.PUMP ASSY.	Not Claimed	2018-19								57265		
97	WPIL LTD	GM16TC:COMP ASSLY	Not Claimed	2018-19					91687		91687	45844		
98	WPIL LTD	PUMP:HEAD(10-20M):FLOW(1000-2000M3/HR)	Not Claimed	2018-19								79668		
99	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	2018-19					1591200		1591200	0		
100	UDYOGINI MARKETING AND SERVICES	ST. BATTERY SET;120NO CELLS;1000AH;240	Not Claimed	2018-19					334880		334880	0		
101	RAMPUR ENGINEERING CO. LTD.	1400:ND PULLEY DXL 500X1600 SHAFT D115	Not Claimed	2018-19							0	29400		
102	Clyde Pumps India Pvt Ltd	FA1B56:COMPLETE PUMP ASSY.	Not Claimed	2018-19							0	0		
103	ABB India Limited	REACTOR DIFF RELAY SCHEME RADHA,ABB	Not Claimed	2018-19								1252638		
104	HINDUSTHAN ENGINEERING & INDUSTRIES	BOBR COMPLETE WAGON	Allowed	2018-19					1778850		1778850	0		
105	Clyde Pumps India Pvt Ltd	FA1B75:COMPLETE PUMP ASSY.	Not Claimed	2018-19							0	316240		
106	ABB India Limited	ELECT.ACTUATOR: RHD1250,WITH ACCSR; AB	Not Claimed	2018-19							0	306000		
107	SUMESH PETROLEUM	FILTER M/C	Not Claimed	2018-19							0	0		
108	ABB India Limited	ELEC LEVER ACT(220V) FOR BFP SCOOP	Not Claimed	2018-19							0	75719		
109	NEW ALLENBERRY WORKS	GB:GR-113.006:1:COMP ASSY:	Not Claimed	2018-19							0	0		
110	TALSALES PVT LTD	SCREW COMPRESSOR	Not Claimed	2018-19					76700		76700	0		
111	BHARAT HEAVY ELECTRICALS LTD	MOTR 1SQL6.6KV:600-605KW:6P:B3 TEFC HF	Not Claimed	2018-19							0	0		
112	GEECO ENERCON PVT LTD	HOT END SECTOR PLATE ASLY,AIR PREHEAT	Not Claimed	2018-19							0	20305		
113	SUMESH PETROLEUM	COMPRESSOR+AIR DRYING UNIT	Not Claimed	2018-19							0	62245		
114	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	2018-19							0	0		
115	FLOWSERVE SANMAR LTD.	APTO-3.750":MECHANICAL SEAL COMP.ASSY	Not Claimed	2018-19							0	0		
116	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	2018-19					6534112		6534112	4411582		
117	KC COTTRELL CO LTD	R&Retrofittings 0f ESP ST-I (Unit-I)	Claimed	2018-19					50545276		50545276	7462001		
118	HIGHGROUND ENERGY PVT LTD	4 X 10 KW Solar PV Grid	Not Allowed	2018-19							0	0		
119	EMKAY ENTERPRISES	A45-FG:COMPLETE ASSY	Not Claimed	2018-19								537708		
120	Electro Zavod India Pvt Ltd	SUSPENDED MAGNTC.SEPARTR:SMNR1-165/40	Not Claimed	2018-19					220000		220000	129800		
121	NEW ALLENBERRY WORKS	COMP.ASSY.-HORIZONTAL-1450:31.46:1/46.	Not Claimed	2018-19								46900		
122	JITENDRA NATH BARDHAN	Strengthening of MGR Track	Claimed	2018-19								54492		
123	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	2018-19								-3429722		
124	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	2018-19								96451		
125	BHARAT HEAVY ELECTRICALS LTD	HPCV SERVOMOTOR DRG:01140201000/0	Not Claimed	2018-19							0	0		
126	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	2018-19					1888000		1888000	0		
127	ABB India Limited	RELY NUM:220V DC:DIFF-RELY,2-W XYMR	Not Claimed	2018-19							0	33016		
128	SCHENCK PROCESS SOLUTIONS	BELT DRIVE REDUCER FOR STOCK COAL FEED	Not Claimed	2018-19							0	0		
129	Clyde Pumps India Pvt Ltd	JOURNAL BRG.HALF:NDE#75-WEIR BFP-FK4E3	Not Claimed	2018-19							0	0		
130	Clyde Pumps India Pvt Ltd	THRUST BRG#78-WEIR BFP-PR.PUMP:FK4E36	Not Claimed	2018-19							0	0		
131	ABB India Ltd.	MDBFP SCOOP ELECTRONIC PWR UNIT KE-3	Not Claimed	2018-19								47200		
132	BHARAT HEAVY ELECTRICALS LTD	IMPELLER BLADES TP971607240000	Not Claimed	2018-19					1282718		1282718	0		
133	BHARAT HEAVY ELECTRICALS LTD	450KW,SCIM,3PH,6.6KV,988 RPM,TEFC	Not Claimed	2018-19							0	0		
134	BHARAT HEAVY ELECTRICALS LTD	MOTR 1SQL6.6KV:280KW:4P:B3TEFC:ILA7560	Not Claimed	2018-19							0	0		
135	SHREEVARI ENERGY SYSTEMS PVT LTD	COLD END SECTOR PLATE ASSLY FOR SAPH	Not Claimed	2018-19							0	62000		
136	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	2018-19							0	0		
137	ABB India Limited	NUMERICAL DISTANCE PROTECTION RELAY	Not Claimed	2018-19							0	0		
138	EASTERN INDIA ENTERPRISE	Up gradation of DDCMIS ST-II	Allowed	2018-19					24500		24500	42735		
139	THE BABCOCK & WILCOX COMPANY	C.F.S LIGHTER ASSY,7587G100 **(CAP/03)	Not Claimed	2018-19					18875447		18875447	0		
140	THE BABCOCK & WILCOX COMPANY	MPS 89G:BALL SCREW JACK ASSY 74" STROK	Not Claimed	2018-19					4518808		4518808	126161		
141	THE BABCOCK & WILCOX COMPANY	MPS 89G:HIGH SPEED SHAFT	Not Claimed	2018-19					5306413		5306413	0		
142	THE BABCOCK & WILCOX COMPANY	MPS 89G:PORTABLE HYDRAULIC POWER UNIT	Not Claimed	2018-19					3250633		3250633	0		
143	Kingsbury Inc	THRUST PADS SET FOR 56 BV SERIES 1000	Not Claimed	2018-19					12012079		12012079	0		
144	THE BABCOCK & WILCOX COMPANY	MPS 89G:RING SEAT FOR MILL	Not Claimed	2018-19					19479148		19479148	89055		
145	THE BABCOCK & WILCOX COMPANY	MPS 89G:ROLL WHEEL SEAL AIR ASSY.	Not Claimed	2018-19					1652819		1652819	0		
146	METSO ASIA PACIFIC PTE LTD	915A:CAGE FRAME ASSY	Not Claimed	2018-19					12041822		12041822	0		
147	TLT TURBO GMBH	SHAFT WITH BEARING ASY-FD FAN AP1 26/	Not Claimed	2018-19					3821117		3821117	156		
148	TLT TURBO GMBH	SHAFT&BEARING ASY-PA FAN AP 2 20/12	Not Claimed	2018-19					1405413		1405413	0		
149	TLT TURBO GMBH	HAFT DRG.NO-KKK 16260161320	Not Claimed	2018-19					1646778		1646778	0		
150	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	2019-20					8230093		8230093	8724696		

Flow of Capital liabilities from 01.04.2014

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151	P S JIVRAJ & CO	AERIAL TOWER WAGON	Not Claimed	**2019-20**					79390	79390	218400		
152	GE T & D INDIA LTD	NUMERICAL MULTIFUNCTION RELAY,GEN 100	Not Claimed	**2019-20**					2359935	2359935	2779225		
153	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	**2019-20**					6154820	6154820	0		
154	SCHNEIDER ELECTRIC INFRASTRUCTURE	NUMERICAL FEEDER PROTECTION RELAY 1A	Not Claimed	**2019-20**					189852	189852	839462		
155	EMERSON PROCESS MANAGEMENT	REHEATR SPRAY CONTRL GLOBEV/V,CAPITALI	Not Claimed	**2019-20**							101955		
156	BHARAT HEAVY ELECTRICALS LTD	TUBE SYSTEM FOR SEAL OIL COOLER 210MW	Not Claimed	**2019-20**					2360000	2360000	0		
157	MODERN COMMERCIAL CORPORATION	FLENDER:SDO250:COMP ASMBLY	Not Claimed	**2019-20**					127263	127263	0		
158	CESARE BONETTI INTERNATIONAL PVT LT	8"G/VV PN420:COMPLETE VALVE ASSY.:	Not Claimed	**2019-20**					142642	142642	0		
159	Delta Automation	CAM CLUTCH BOX(C.W)SIZE0860	Not Claimed	**2019-20**					52346	52346	0		
160	REINEKE ENGINEERING PVT LTD	COMPLETE ACTUATOR LEAK/SEAL STEAM ACT	Not Claimed	**2019-20**					81996	81996	0		
161	Y CUBE ENGINEERED SOLUTIONS PVT LTD	ROTARY CYL.ACTUATOR: GS16-PC12; DEZUR	Not Claimed	**2019-20**							103918		
162	GLOBAL UDYOG	FLUID COUPLING:41SCR24X COM ASSY PEMB	Not Claimed	**2019-20**						0	312283		
163	KIRLOSKAR BROTHERS LTD	BHR35-22 1/2DEG:COMP.PUMP ASSLY	Not Claimed	**2019-20**					488679	488679	0		
164	BOSTIN ENGINEERS PVT LTD	ECONOMISER-I COIL OF 210MW BOILER	Not Claimed	**2019-20**							668500		
165	BHARAT HEAVY ELECTRICALS LTD	IMPELLER FOR ID FAN ST I	Not Claimed	**2019-20**					239894	239894	0		
166	FLOWSERVE SANMAR LTD.	FK4E36:MECHANICAL SEAL (DE)	Not Claimed	**2019-20**					9303	9303	0		
167	CG POWER AND INDUSTRIAL SOLUTIONS	CHP MOTOR 6.6 KV, 280 KW	Not Claimed	**2019-20**					125000	125000	0		
168	Clyde Pumps India Pvt Ltd	TDBFP BOOSTER PUMP ROTOR ASSEMBLY	Not Claimed	**2019-20**					42429	42429	110000		
169	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	**2019-20**					1386759	1386759	0		
170	ALLWEILER INDIA PVT. LTD.	SNH 210R 46/U7W 3:COMP.PUMP ASSLY	Not Claimed	**2019-20**					1259781	1259781	0		
171	ALLWEILER INDIA PVT. LTD.	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	**2019-20**					1317669	1317669	0		
172	KSB MIL CONTROLS LIMITED	SH SPRAY BRANCH BLOCK V/V PART NO.SD4	Not Claimed	**2019-20**					575682	575682	0		
173	KSB MIL CONTROLS LIMITED	SH SPRAY COMMON BLOCK V/V PART NO.SD3	Not Claimed	**2019-20**					557014	557014	0		
174	KSB MIL CONTROLS LIMITED	SH SPRAY BYPASS CONTROL V/V PART NO.SD	Not Claimed	**2019-20**					850319	850319	0		
175	ELECON ENGINEERING CO LTD	HM263/264:HYD. CYLINDER	Not Claimed	**2019-20**					4754088	4754088	39499		
176	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	**2019-20**							0		
177	P S JIVRAJ & CO	ACB,4000A,3P,60KA,CATEGORY-B, 220VDC	Not Claimed	**2019-20**							54000		
178	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2019-20**							8682508		
179	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2019-20**							146540		
180	M/S ABB LTD.	SUPPLY OF DAS PACKAGE	Not Claimed	**2019-20**					168677	168677	949190		
181	CE TESTING COMPANY PVT LTD	Geotechnical Investigation at Nishindra Ash Dyke Lagoon-I&II	Claimed	**2019-20**					0	0	228268		
182	MODERN COMMERCIAL CORPORATION	ACB 3PH 650V 1600A SIEMENS MAKE	Not Claimed	**2019-20**					1976939	1976939	403456		
183	BHARAT HEAVY ELECTRICALS LTD	GENERATOR SEAL BODY EXCITER END	Not Claimed	**2019-20**							20400		
184	BHARAT HEAVY ELECTRICALS LTD	VALVE CONE DRG.01230401000C/08	Not Claimed	**2019-20**							50627		
185	GE OIL & GAS INDIA PRIVATE LIMITED	FK4E36:BFP RC VALVE ASSY	Not Claimed	**2019-20**							58636		
186	VOITH TURBO PVT LTD	VOITH:1780 SVNL 21-80G:THRUST BRG- 3	Not Claimed	**2019-20**							44619		
187	Delta Automation	CAM CLUTCH BOX(C.C.W),SIZE0860	Not Claimed	**2019-20**							20528		
188	SBM ENTERPRISE	COMPLETE BOWL ASSY.IN ASSEMBLED CONDIT	Not Claimed	**2019-20**							78582		
189	BHARAT HEAVY ELECTRICALS LTD	MAIN SHAFT FOR ID FAN ST-I	Not Claimed	**2019-20**							104664		
190	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER46U7.4W3:PUMP CARTRIDGE	Not Claimed	**2019-20**							15510		
191	SIEMENS LTD	ACB 3PH 650V 1600A SIEMENS MAKE	Not Claimed	**2019-20**							637200		
192	Stahl Cranesystems Gmbh	DMWC:PRECISION HOISTING GEAR	Not Claimed	**2019-20**					3249011	3249011	22644		
193	ALLWEILER INDIA PVT. LTD.	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	**2019-20**							21842		
194	BHARAT HEAVY ELECTRICALS LTD	DPU-4F PRIMARY PROCESSOR: ED69230D401	Not Claimed	**2019-20**					4821662	4821662	337702		
195	BHARAT HEAVY ELECTRICALS LTD	DPU-4F SECONDARY.PROCESSOR: ED69230D4	Not Claimed	**2019-20**					6124342	6124342	0		
196	Senorita Marketing PVT LTD	CARTRIDGE ASSY PDHU70 CAPT03RT NO.SD4	Not Claimed	**2019-20**					650416	650416	0		
197	BHARAT HEAVY ELECTRICALS LTD	C&I System for FSTPP_Under R&M_St-I(Unit#3)	Not Allowed	**2020-21**	72665269		30977708.13				30977708		
198	KC COTTRELL CO LTD	R&Retrofittings 0f ESP ST-I (Unit-I)	Claimed	**2020-21**	421569008		62400881.00				62400881		
199	NTPC GE POWER SERVICES PRIVATE	RLA study of Critical Piping-Stage-I (Unit#II)	Not Allowed	**2020-21**	21664432		2228153.31				2228153		
200	AUMA INDIA PVT LTD	Replacement of Electrical Actuators under R&M U#II	Not Allowed	**2020-21**	10039888		1770000.00				1770000		
201	OTIS ELEVATOR	TENDER CODE:ELEVATOR-900KG	Not Allowed	**2020-21**	2409000		2409000.00				2409000		
202	OTIS ELEVATOR	TENDER CODE:ELEVATOR-1500KG	Not Allowed	**2020-21**	4512599		4512599.00				4512599		
203	BEACON ELEVATOR CO PVT LTD	TC:ELEVATOR-1000KG	Not Allowed	**2020-21**	2152500		525000.00				525000		
204	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	**2020-21**	6767989		4480000.00				4480000		
205	OTIS ELEVATOR	TENDER CODE:ELEVATOR-900KG	Not Allowed	**2020-21**	2409000		2409000.00				2409000		
206	THE BABCOCK & WILCOX COMPANY	MPS 89G:WHEEL	Not Claimed	**2020-21**	7946984		851846.17				851846		
207	TLT TURBO GMBH	BLADE DRG.NO-KKK162012600034(1) (ANSALD	Not Claimed	**2020-21**	8171647		2231579.39				2231579		
208	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE ASSY(MK-1) INSULATED	Not Claimed	**2020-21**	22944272		7056547.47				7056547		
209	THE BABCOCK & WILCOX COMPANY	MPS 89G:HEAT EXCHANGERILL	Not Claimed	**2020-21**	1325886		267771.16				267771		
210	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:SILENCER	Not Claimed	**2020-21**	7721268		64884.60				64885		
211	WPIL LTD	C24TC:COMPLETE ASSY	Not Claimed	**2020-21**	1888223		15867.42				15867		
212	RANCHI ELECTRICALS	10/8FFAH:COMPLETE ASSY	Not Claimed	**2020-21**	2443818		96752.75				96753		
213	BHARAT HEAVY ELECTRICALS LTD	DRIVE CONTROL MODULE 69205DSZAB MAX-DN	Not Claimed	**2020-21**	1954575		16425.00				16425		
214	INCOTECH AUTOMATION SOLUTIONS	MINI PLC,MAKE:GE-FANUAC,CAT.:IC693PCM3	Not Claimed	**2020-21**	13704225		2322750.00				2322750		
215	BHARAT HEAVY ELECTRICALS LTD	MDL CE69202ASYNA 7VE2146-1, ED74040012	Not Claimed	**2020-21**	3360561		28241.00				28241		
216	VISSION AUTOMATION PVT LTD	UNITY CPU MODULE: 140CPU67160; SHNEIDE	Not Claimed	**2020-21**	9212014		780679.00				780679		
217	BHARAT HEAVY ELECTRICALS LTD	SEAL OIL DIFFERENTIAL PRESSURE REGULATOR	Not Claimed	**2020-21**	3799600		586000.00				586000		
218	TLT TURBO GMBH	ID FAN SHAFT (CAPT/03) (ANSALDO)	Not Claimed	**2020-21**	23699853		23699853.38				23699853		
219	FEC INDIA PVT LTD	GB:FAIRFIELD:W10D2505123:COMP ASSY	Not Claimed	**2020-21**	3028246		56825.00				56825		
220	ALLWEILER INDIA PVT. LTD.	T3SA 38/42:COMPLETE PUMP ASSY	Not Claimed	**2020-21**	1915973		80503.00				80503		
221	GE OIL & GAS INDIA PRIVATE LIMITED	PNEUMATIC ACTUATORS SIZE 18INCH	Not Claimed	**2020-21**	1450110		32155.80				32156		
222	Kingsbury Inc	BEARING HOUSING FOR SAPH ST II	Not Claimed	**2020-21**	18701559		14946207.80				14946208		
223	Kingsbury Inc	PAPH SUP BRG.KINGSBURI,41BV,450(ANSALD	Not Claimed	**2020-21**	13702287		10950140.54				10950141		
224	LAXMI ENGINEERING INDUSTRIES	COMPLETE TUBE NEST OF MAIN EJECTOR210M	Not Claimed	**2020-21**	300645		15032.00				15032		
225	BHARAT HEAVY ELECTRICALS LTD	GENERATOR BEARING EE 91390101000-00	Not Claimed	**2020-21**	6933178		58262.00				58262		
226	SHRI BALAJI INDUSTRIAL PRODUCTS	WORM SHAFT+WORM GEAR+LOCK NUTS XRP-803	Not Claimed	**2020-21**	2593640		1775708.00				1775708		
227	SHRI BALAJI INDUSTRIAL PRODUCTS	GRINDING ROLL SET FOR XRP 803 MILL	Not Claimed	**2020-21**	5841000		5841000.00				5841000		
228	TRIDENT EQUIPMENTS PVT LTD	CHLORIDE ANALYSER - COMPLETE	Not Claimed	**2020-21**	1528666		1528666.00				1528666		
229	THE BABCOCK & WILCOX COMPANY	MPS 89G:RING SEAT FOR MILL	Not Claimed	**2020-21**	13204821		10724386.32				10724386		
230	FLUIDOMAT LTD	F.C:FLUIDOMAT:FCU T12/13:COMP ASSY	Not Claimed	**2020-21**	1147715		11,47,715.00				1147715		
231	1139299 ROCKWELL AUTOMATION INDIA PVT LTD	M95670520 26N ALLEN BRADLEY PROCESSOR P/N: PLC 5/40	Not Claimed	**2020-21**	2938200		249000.00				249000		
232	THE BABCOCK & WILCOX COMPANY	MPS 89G:WHEEL	Not Claimed	**2020-21**	4001405		3233583.18				3233583		
233	SIEMENS LTD	SEALING RING DRG:11051410008/06	Not Claimed	**2020-21**	1529254		15,29,254.00				1529254		
234	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE ASSY(MK-1) INSULATED	Not Claimed	**2020-21**	11452253		9285034.98				9285035		

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2020-21 as per annexure I B-column 9	Contractors ERV updation	Discharge during the year 2020-21		Total discharge	Undischarged liabilities relating to GB 31.03.2021	CAPITALISATION	Reference in Annexure-IB
235	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE SEAL HOUSING	Not Claimed	**2020-21**	4541385		3685987.54					3685988		
236	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	**2020-21**	5158980		4195418.04					4195418		
237	THE BABCOCK & WILCOX COMPANY	MPS 89G:SPRING FRAME	Not Claimed	**2020-21**	3795943		3081869.47					3081869		
238	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	**2020-21**	5157851		4195418.04					4195418		
239	THE BABCOCK & WILCOX COMPANY	MPS 89G:SPRING FRAME	Not Claimed	**2020-21**	3800886		3081869.47					3081869		
240	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	**2020-21**	50316263		2267570.00					2267570		
241	JITENDRA NATH BARDHAN	Strengthening of MGR Track	Claimed	**2020-21**	-275000							0		
242	C&S ELECTRIC LTD	Procurement of Supply and Retrofitting of LT Air circuit Breaker	Not Allowed	**2021-22**									13865279	
243	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-IV)	Claimed	**2021-22**									906966532	
244	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-IV)	Claimed	**2021-22**									2477432	
245	KC COTTRELL CO LTD	R&Retrofittings 0f ESP ST-I (Unit-III)	Claimed	**2021-22**									475036902.71	
246	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	**2021-22**									5862481	
247	SHRI BALAJI INDUSTRIAL PRODUCTS	GRINDING ROLL SET FOR XRP 803 MILL	Not Claimed	**2021-22**									5607360	
248	BHARAT HEAVY ELECTRICALS LTD	IMPELLER BLADES BLADE BEARING ASSEMBLY	Not Claimed	**2021-22**									13094710	
249	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:BLADE BRG. ASSY.	Not Claimed	**2021-22**									8463596	
250	BHARAT HEAVY ELECTRICALS LTD	SHAFT&BEARING ASY-PA FAN AP 2 20/12	Not Claimed	**2021-22**									13063225	
251	BHARAT HEAVY ELECTRICALS LTD	BLADE FOR AP2-20/12,P.A. FAN	Not Claimed	**2021-22**									7653200	
252	BHARAT HEAVY ELECTRICALS LTD	RADIAL THRUST BRG D380X290 01170327000	Not Claimed	**2021-22**									11314549	
253	BHARAT HEAVY ELECTRICALS LTD	JOURNAL BRG D450X450 DRG:11181841000/0	Not Claimed	**2021-22**									8916670	
254	BMW STEELS LTD	MPS 89G:CERAMIC CONE ASSY. WITH FASTN	Not Claimed	**2021-22**									644162	
255	EIP ENVIRO LEVEL CONTROL PVT LTD	3D- BUNKER LEVEL MEAUSREMENT SYSTEM	Not Claimed	**2021-22**									7666703	
256	LIMITORQUE INDIA LTD	Replacement of Elect Actuators under R&M_U#I&III	Not Allowed	**2021-22**									5462834	
257	LIMITORQUE INDIA LTD	Replacement of Elect Actuators under R&M_U#I&III	Not Allowed	**2021-22**									22847507	
258	NTPC GE POWER SERVICES PRIVATE	RLA study of Critical Piping-Stage-I (Unit#I)	Not Allowed	**2021-22**									22404150	
259	THE ENERGY & RESOURCES INSTITUTE	BIO-METHANATION PLANT IN TOWNSHIP	Claimed	**2021-22**									230729	
260	UT PUMPS & SYSTEMS PV	W6.4ZK75:COMP PUMP ASSY	Not Claimed	**2021-22**									1681500	
261	SIEMENS LTD	JOURNAL BRG D500X450 DRG:01181402000/0	Not Claimed	**2021-22**									2610300	
262	BHARAT HEAVY ELECTRICALS LTD	Mega R&M of C&I System_St-I(Unit#1)	Not Allowed	**2021-22**									92642377	
263	KSB PUMPS LTD	COMPLETE ASSEMBLY OF CONTROL FLUID PUM	Not Claimed	**2021-22**									21045120	
264	CONTROL COMPONENT INDIA PVT LTD	ACTUATOR ASM 250-10; PN. 103.152.131.2	Not Claimed	**2021-22**									2829000	
265	GE T & D INDIA LTD	RELAY PANEL	Not Claimed	**2021-22**									206500	
266	MINIMAC SYSTEMS PVT LTD	FILTER M/C	Not Claimed	**2021-22**									453130	
267	DHULIYAN BIDHABA MAHILA KALIAN	R&M of FH IV & VII in FH Township	Not Allowed	**2021-22**									31440131	
268	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	**2021-22**									17698356	
269	BHARAT HEAVY ELECTRICALS LIMITED	MPS 89G:CERAMIC CONE ASSY. WITH FASTN	Not Claimed	**2021-22**									1288324	
270	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	**2021-22**									400000	
271	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	**2021-22**									400000	
272	THE BABCOCK & WILCOX COMPANY	MPS 89G:GEAR DRIVE	Not Claimed	**2021-22**									56202034	
273	SUNAG CORPORATION(USA)	GB:CONE DRIVE:SR60A322:COMP ASSY	Not Claimed	**2021-22**									7241369	
274	NEW ALLENBERRY WORKS	GB:CSB:450:COMPL ASSY	Not Claimed	**2021-22**									1907765	
275	ELECON ENGINEERING CO LTD	ELECON:NK-KCU200:COMPL GEAR BOX ASSY	Not Claimed	**2021-22**									2770953	
276	ELECON ENGINEERING CO LTD	HM263/264:BW SHAFT COMPLETE ASSY	Not Claimed	**2021-22**									3531576	
277	SIEMENS LTD	RG3-S:SINAMICS S120 SINGLE MOTOR MODUL	Not Claimed	**2021-22**									1209659	
278	CONTROL COMPONENT INDIA PVT LTD	ELECTRO-HYDRAULIC ACTUATOR ASM200-10	Not Claimed	**2021-22**									2744210	
279	TRF LTD	E-13:VIBRATING ASSEMBLY	Not Claimed	**2021-22**									5097098	
280	BHARAT HEAVY ELECTRICALS LTD	INLET INSERT DRG:01051402000/001	Not Claimed	**2021-22**									3976128	
281	WPIL LTD	RF24TC:COMP ASSY	Not Claimed	**2021-22**									1173000	
282	SIEMENS LTD	BREECH NUT DRG:11051409000/03	Not Claimed	**2021-22**									8964177	
283	ALLWEILER INDIA PVT. LTD.	COMPLETE CARTRIDGE ASSY FOR HFO PUMP	Not Claimed	**2021-22**									1897468.43	
284	WPIL LTD	JTC-12GM:BOWL ASSLY	Not Claimed	**2021-22**									1204875	
285	BHARAT HEAVY ELECTRICALS	CCS BLOBE VALVE 65MM HAND OPERATED	Not Claimed	**2021-22**									5283231	
286	BHARAT HEAVY ELECTRICALS LTD	DRIVE CONTROL MODULE 69205DSZAB MAX-DN	Not Claimed	**2021-22**									1548879	
287	BHARAT HEAVY ELECTRICALS LTD	DPU4F PRIM.PROCESR: ED69230D406D; BHEL	Not Claimed	**2021-22**									4508496	
288	LMG HYDRO PNEUMATICS	A4VG125EP2DM1:COMP.PUMP ASSLY.	Not Claimed	**2021-22**									967005	
289	SCHNEIDER ELECTRIC INFRASTRUCTURE	Supply and Retrofitting of 6.6 KV VCB	Not Allowed	**2021-22**									23308783	
290	THE BABCOCK & WILCOX COMPANY	MPS 89G:PORTABLE HYDRAULIC POWER UNIT	Not Claimed	**2021-22**									5794246	
291	LOTUS CONSTRUCTION COMPANY	2ND RAISING OF KENDUA ASH DYKE LAGOON-I	Claimed	**2021-22**									59027887	
292	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	**2022-23**										
293	BHARAT HEAVY ELECTRICALS LTD	C&I System for FSTPP Under R&M St-I(Unit#1)	Not Allowed	**2022-23**										
294	ABB India Limited	AGC Implementation work	Claimed	**2022-23**										
295	ALIKRAFT ENGINEERS PVT LTD	Elevator at TP-11 of CHP	Not Allowed	**2022-23**										
296	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-V)	Claimed	**2022-23**										
297	BHARAT HEAVY ELECTRICALS LTD	PLUNGER COIL FOR HP,LP CONTROL VALVES	Not Claimed	**2022-23**										
298	CG POWER AND INDUSTRIAL	BUS DCT&ACCES CURNTTRANSFOR132KVTELK	Not Claimed	**2022-23**										
299	STATIC SYSTEMS ELECTRONICS PVT LTD	ACOUSTIC LEAK DETECTION SYSTEM- COMPLE	Not Allowed	**2022-23**										
300	TECHNO SERVICES ENGINEERING	MOTR 1SQL6.6KV:1650KW:6P:B3-TETV:CT630	Not Claimed	**2022-23**										
301	BHARAT HEAVY ELECTRICALS LTD	MAIN SHAFT FOR ID FAN ST-I	Not Claimed	**2022-23**										
302	BHARAT HEAVY ELECTRICALS LTD	SHAFT WITH BEARING ASY-FD FAN AP1 26/	Not Claimed	**2022-23**										
303	BHARAT HEAVY ELECTRICALS LTD	SEALING RING (IN 6 PARTS) 01050509000	Not Claimed	**2022-23**										
304	WAM INDIA PVT LTD	ZAMBA15N14021:COMP ASSLY	Not Claimed	**2022-23**										
305	P S ENTERPRISE	MATL-14E02:99-TAS-80	Not Claimed	**2022-23**										
306	KIRLOSKAR BROTHERS LTD	COMPLETE BOWL ASSY.IN ASSEMBLED CONDIT	Not Claimed	**2022-23**										
307	KIRLOSKAR BROTHERS LTD	BOWL ASSEMBLY OF STG-I CWP	Not Claimed	**2022-23**										
308	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	**2022-23**										
309	THE BABCOCK & WILCOX COMPANY	MPS 89G:TOP HOUSING ASSY.	Not Claimed	**2022-23**										
310	BHARAT HEAVY ELECTRICALS LTD	CCS GLOBE VALVE 65MMMOTORIESED	Not Claimed	**2022-23**										
311	VOITH TURBO PVT LTD	VOITH:1780 SVNL 21-80G:COMPLETE ASSEMB	Not Claimed	**2022-23**										
312	BHARAT HEAVY ELECTRICALS LTD	POWR SUPLY AC/DC CNVRTR 'KX9180A' ;DVR	Not Claimed	**2022-23**										
313	SHRI BALAJI INDUSTRIAL PRODUCTS	MPS 89G:TIRE (VAM-20)	Not Claimed	**2022-23**										
314	SUNAG CORPORATION	GB:CONE DRIVE:SR60A322-C1:COMP ASSY	Not Claimed	**2022-23**										
315	DEZURIK INC	PEC-ECC-14":COMPL. V/V ASSY.	Not Claimed	**2022-23**										
316	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER46U7.4W3:PUMP CARTRIDGE	Not Claimed	**2022-23**										
317	AISHWARYA TECHNOLOGIES AND	UNDERGROUND WIRE & PIPE LOCATOR: LKZ15	Not Claimed	**2022-23**										
318	KSB MIL CONTROLS LIMITED	REHEATER SPRAY CONT.VALVEOR41,44,47,50	Not Claimed	**2022-23**										

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2020-21 as per annexure I B-column 9	Contractors ERV updation	Discharge during the year 2020-21		Total discharge	Undischarged liabilities relating to GB 31.03.2021	CAPITALISATION	Reference in Annexure-IB
319	KSB MIL CONTROLS LIMITED	REHEATER SPRAY CONT.VALVEOR41,44,47,50	Not Claimed	2022-23										
320	BHARAT HEAVY ELECTRICALS LTD	K1401-2:LPC VALVE 200/125/U-2:COMP.ASS	Not Claimed	2022-23										
321	WPIL LTD	JTC-12GM:COMP.PUMP ASSY.	Not Claimed	2022-23										
322	SCHENCK PROCESS SOLUTIONS	BELT DRIVE REDUCER FOR STOCK COAL FEED	Not Claimed	2022-23										
323	KAREYN PRECISION MACHINES PVT LTD	PLUNGER COIL FOR HP,LP CONTROL VALVES	Not Claimed	2022-23										
324	HACH DHR INDIA PRIVATE LIMITED	ONLINE SILICA ANALYSER RANGE:0-5000PPB	Not Claimed	2022-23										
325	FLOWMORE LTD	5824-125X100:COMP.PUMP ASSLY	Not Claimed	2022-23										
326	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:SHAFT +BRG. ASSY	Not Claimed	2022-23										
327	BHARAT HEAVY ELECTRICALS LTD	SERVO MOTOR ASSLY FOR F.D.FAN	Not Claimed	2022-23										
328	BHARAT HEAVY ELECTRICALS LTD	AUX GEN AG-51/M FOR BHEL WDM-2 CLASS	Not Claimed	2022-23										
329	BHARAT HEAVY ELECTRICALS LTD	TUBE SYSTEM FOR SEAL OIL COOLER 210MW	Not Claimed	2022-23										
330	NEW ALLENBERRY WORKS	GB:N.ALLENBERY:CSB:450:COMP ASSY	Not Claimed	2022-23										
331	AUMA INDIA PVT LTD	ELECT.ACTUATOR: SA14.6/AM02.1-F14-ON/O	Not Claimed	2022-23										
332	BHARAT HEAVY ELECTRICALS LTD	DLWSPR:TRACTION MOTOR WITH PINION	Not Claimed	2022-23										
333	BEML LIMITED	BD-155:TRACK SHOE ASSY	Not Claimed	2022-23										
334	Hamon Research-cottrell	MICRO PROCESSOR POWER BOARD,P/N:307801	Not Claimed	2022-23										
335	MARATHON ELECTRIC MOTORS INDIA LTD	3P IM; 415V;110 KW;1475 RPM;TYPE:TFO;	Not Claimed	2022-23										
336	WPIL LTD	Procurement of WPIL make BAHP pump comp assembly	Not Claimed	2023-24										
337	WPIL LTD	Supply of WPIL make Pumps and spares for Offsite Area	Not Claimed	2023-24										
338	SIEMENS LTD	Procurement of Turbine side spares	Not Claimed	2023-24										
339	ALFA LAVAL INDIA PRIVATE LTD	PROCUREMENT OF MOT CENTRIFUGE	Not Claimed	2023-24										
340	MERRICK INDUSTRIES PVT LTD	Up-gradation of St-1 Merrick Coal feeders -18 nos	Claimed	2023-24										
341	NEW ALLENBERRY WORKS	Purchase Order for Supply of Gearboxes for CHP	Not Claimed	2023-24										
342	BHARAT HEAVY ELECTRICALS LTD	SUPPLY OF 10MW BFP MOTOR FOR MDBFP OF STAGE-II UNITS(CAPITAL SPARES).	Not Claimed	2023-24										
343	BHARAT HEAVY ELECTRICALS LTD	Procurement of Turbine side capital spares	Not Claimed	2023-24										
344	RANCHI ELECTRICALS	PROCUREMENT OF WEIR WARMAN MAKE COMPLETE ASSEMBLY OF ASH SLURRY PUMP FOR STAGE_1	Not Claimed	2023-24										
345	MINIMAC SYSTEMS PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine	Not Claimed	2023-24										
346	BHARAT HEAVY ELECTRICALS LTD	Procurement of Rotor & Impellar	Not Claimed	2023-24										
347	GARDNER DENVER NASH LLC	PROCUREMENT OF CONDENSER VACCUM PUMP	Not Claimed	2023-24										
348	IGUS INDIA PVT LTD	Retrofitting work of energy chain system in place of CRD includes design, supply, installation & commissioning for Paddle Feeder-1 & 2 of Track Hopper NTPC Farakka	Claimed	2023-24										
349	S D ENGINEERING WORKS	SUPPLY ERECTION AND COMMISSIONING OF SUSPENDED MAGNET FOR CHP NTPC FARAKKA.	Not Claimed	2023-24										
350	RAMP DISPLAY SOLUTIONS PVT LTD	PROCUREMENT LED BASED LVS	Not Claimed	2023-24										
351	MECH-WELL INDUSTRIES LTD	Purchase Order for Supply of components of Coal Burner of Stage-I APH Inlet and Outlet Dampers Farakka STPS	Not Claimed	2023-24										
352	CG POWER AND INDUSTRIAL	SUPPLY OF CGL MOTORS NTPC FARAKKA	Not Claimed	2023-24										
353	ESCORTS KUBOTA LIMITED	PURCHASE OF 02 NOS. OF BACKHOE LOADERS AT CHP FOR NTPC FARAKKA	Not Claimed	2023-24										
354	KLEENOIL FILTERATION INDIA PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine.	Not Claimed	2023-24										
355	KLEENOIL FILTERATION INDIA PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine.	Not Claimed	2023-24										
356	BANARAS LOCOMOTIVE WORKS	Procurement of 04 Nos WDG3A Locomotives for NTPC Farakka	Claimed	2023-24										
357	BANARAS LOCOMOTIVE WORKS	Procurement of 04 Nos WDG3A Locomotives for NTPC Farakka	Claimed	2023-24										
358	ROYAL INFRACONSTRU LTD	CONSTRUCTION OF NEW TWO LANE ROAD BRIDGE ADJACENT TO THE EXISTING BRIDGE AT RD 8.5 OVER FEEDER CANAL AT FARAKKA	Allowed	2023-24										
	TOTAL ST - I & II				**815127871**	**0**	**231693145**	**0**	**203960464**	**39697103**	**243590151**	**1339102473**	**1902631599**	**0**
B	**For assets eligible for ROE at weighted average rate of interest on loan**	**NA**										1339102473		

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	liability in additional capitalisation for 2021-22 as per annexure I B-column 9	Contractors ERV updation	Discharge during the year 2021-22		Total discharge	Undischarged liabilities relating to GB 31.03.2022	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2022-23 as per annexure I B-column 9	Contractors ERV updation
							-by payment	-by reversal						
(1)	(2)	(3)		(4)	(6)	(6A)	(7)	(8)	(9)=(7+8)	(10)=(5+6+6A-9)			(6)	(6A)
	for assets eligible for normal ROE													
	Prior to 01.04.2004													
1	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed						0	80688295				
2	RODE KONCAR	UNIT AND STATION TRANSFORMER	Allowed						0	2292491				
3	GDC	PILLIN PIPE CAPS FOR STAGE - II, WO - 1955 & 1954	Allowed											
4	IRCON	CONSTRUCTION OF SIMULATANEOUS LINES FOR DESPATCH FACILITIES AT KAMARPUR AND PATHRA STATION	Allowed											
5	NEEL KAMAL	CONSTRUCTION OF PEDSTALS FOR ADD. ASH PIPE LINES ST-I , WO-20115	Allowed											
6	N H CONSTRUCTION	CONSTN OF PEDESTAL AND LAYINNG OF WATER PIPE LINE	Not Allowed											
	TOTAL Prior to 01.04.2004						**0**	**0**	**0**	**82980786**				
7	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed	**2004-05**						6425848				
8	Yokogawa ; 40405 / 9034	SUPPLY,INSTAL,EREC.COMMNG.& TESTING OF ON LINE ZIRCONIUM BASED 02 ANALLYSERS	Allowed	**2005-06**					0	0				
9	Neo Teletronics ; 94N40694	High Voltage(AC)Test Kit Range to R&M) 2	Allowed	**2005-06**					0	0				
10	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed	**2006-07**						2567323				
11	GE INDIA INDUSTRIAL PVT.LTD.	MULTI CHANNEL (8 CHANNEL) PORTABLE VIBRATION ANALYSER	Allowed	**2006-07**					0	0				
12	EASTERN TRADE CENTRE	SQ.CAGE INDUCTION MOTOR FOR CF PUMP,132KW,240A,3000RPM,415V,INS.CL-F,DUTY-S1,3PH,FRAME-315M`SIEMENS'	Not Claimed	**2006-07**					0	0				
13	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Not Allowed	**2007-08**						1778561				
14	YOKOGAWA INDIA LIMITED	VIDEOGRAPHIC PAPERLESS REC	Not Claimed	**2007-08**					0	0				
15	SOURCE LIGHT BATTERY CO.	BATTERY 12VOLT,75AH SEALED	Not Claimed	**2007-08**					0	0				
16	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11, SITE ERV ANSALDO SPA - A0331/ WO-527-AID403. SITE ERV	Not Allowed	**2008-09**						19188165				
17	TARAPORE & CO	ASH HANDLING PLANT, Arbitration Award Const Ash Bund, Stage-I, TARAPORE & CO	Allowed	**2008-09**						1173292				
18	ENERGO ENGG. PROJECTS PVT .TD.	PNEUMATIC OPERATED 500NB K	Not Claimed	**2008-09**					0	0				
19	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV RODE KONCAR-439-R0178, SITE ERV	Not Claimed	**2008-09**						264658				
20	ACCESS COMPUTECH PVTLTD	INSTALLION OF e-ATTENDANCE RECORDING SYSTEM	Not Claimed	**2008-09**					0	0				
21	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11, SITE ERV 2009-10 ANSALDO SPA -	Not Allowed	**2009-10**						-11077211				
22	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2009-10 RODE KONCAR-439-	Not Claimed	**2009-10**						-136988				
23	ANSALDO SPA	STEAM GENERATOR & ESP STAGE -II	Not Allowed	**2010-11**						3307806				
24	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2009-10 RODE KONCAR-439-	Not Claimed	**2010-11**						-10251				
25	NPCC LTD	1ST RAISING OF MALANCHA ASH DYKE LAGOON	Not Allowed	**2010-11**						1500000				
26	ABB Limited	CURRENT TRANSFORMER,420KV,2000A,5 CORE	Not Claimed	**2010-11**					0	0				
27	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2011-12**						9611216				
28	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2011-12**						149103				
29	ANSALDO SPA	STEAM GENERATOR & ESP STAGE -II	Not Allowed	**2012-13**						1918632				
30	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2012-13	Not Claimed	**2012-13**						76182				
31	AREVA T&D INDIA LTD	RELAY PANEL	Not Claimed	**2012-13**					0	0				
32	M/S ABB LTD.	SUPPLY OF DAS PACKAGE	Not Claimed	**2013-14**						8178424				
33	EASTERN INDIA ENTERPRISE	FLY ASH CONCRETE ROAD AT INFRASTRUCTURE AREA	Not Claimed	**2013-14**					0	0				
34	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2013-14**						20529576				
35	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2013-14**						132795				
36	SCHNEIDER ELECTRIC INFRASTRUCTURE	M8579150001 VCB:6.6KV:800A:ANY STD MAKE/MODEL	Not Claimed	**2013-14**					0	0				
37	JITF WATER INFRASTRUCTURE LTD	Finacial lease-Coal Mat Handling system fkk JITF	Not Allowed	**2013-14**						600000000				
38	VIKRAM SOLAR PVT LTD	SOLAR POWER GENERATING UNIT	Not Allowed	**2014-15**					0	510				
39	RITES LTD	Strenthening of MGR Track	Claimed	**2014-15**						2933361				
40	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2014-15**						-23414036				
41	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2014-15**						60107				
42	ALSTOM T&D INDIA LTD	NUMERICAL MOTOR PROTECTION RELAY 1A	Not Claimed	**2015-16**					0	243048				
43	ELECON ENGINEERING CO LT	HM263/264:TRAVEL GEAR UNIT	Not Claimed	**2015-16**					0	0				
44	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2015-16**						11445238				
45	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2015-16**						86432				
46	JITF WATER INFRASTRUCTURE LTD	Finacial lease-Coal Mat Handling system fkk JITF	Not Allowed	**2015-16**						300000000				
47	UTC Fire & Security India Ltd	FIRE DETECTION FOR WAGON TIPPLER PACKAGE	Allowed	**2016-17**						3575363				
48	K N INTERNATIONAL LTD	4TH RAISING OF NISHINDRA ASH DYKE	Claimed	**2016-17**			4961870		4961870	0				
49	Minimax GmbH & Co KG	INERT GAS FIRE EXTINGUISHING SYSTEM	Claimed	**2016-17**						9002018				
50	JITENDRA NATH BARDHAN	Strenthening of MGR Track	Claimed	**2016-17**					0	0				
51	BHARAT HEAVY ELECTRICALS LTD	400KV CVT(CAPITALISED)	Not Claimed	**2016-17**				187800	187800	0				
52	HBL Power System Ltd	SET OF +/- 26V DC ATRS CHARGERS	Not Claimed	**2016-17**						344165				
53	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-300MM	Not Claimed	**2016-17**			5121	28449.20	33570	0				
54	ELECTRO THERAPY	15 T CAPACITY ELECTRIC HOIST	Not Claimed	**2016-17**					0	0				
55	Delta Automation	CAM CLUTCH BOX(C.W)SIZE0860	Not Claimed	**2016-17**			783	4349	5132	0				
56	IMI NORGREN HERION PVT LTD	VACUUM BREAKER VALVE ASY 31324401000/0	Not Claimed	**2016-17**						194988				
57	GLOBAL UDYOG	G:BOX:VERTICAL:1500RPM:90:1:COMP ASSY	Not Claimed	**2016-17**						49350				
58	BHARAT HEAVY ELECTRICALS LTD	CONDENSATE EXTRACTION PUMP	Not Claimed	**2016-17**						870000				
59	WPIL LTD	HEAD SHAFT 58 DRG.NO-SK-1528-E	Not Claimed	**2016-17**						237954				
60	MODERN COMMERCIAL CORPORATION	ACB 3PH,650V 1000A,SIEMENS MAKE	Not Claimed	**2016-17**						97829				
61	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2016-17**						10185396				
62	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2016-17**						-27258				
63	EMERSON PROCESS MANAGEMENT	BASIC PROBE FOR OXYGEN ANALYZER OF 6FE	Not Claimed	**2016-17**					0	0				
64	DURAG INDIA INSTRUMENTATION	COMPLETE OPACITY MONITOR	Not Claimed	**2016-17**					0	67416				
65	BHARAT HEAVY ELECTRICALS LTD	400KV CVT	Not Claimed	**2016-17**						82500				
66	P S JIVRAJ & CO	ACB,4000A,3P,60KA,CATEGORY-B, 220VDC	Not Claimed	**2016-17**						621000				

Flow of Capital liabilities from 01.04.2014

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67	SCHNEIDER ELECTRIC INFRASTRUCTURE	VCB 6.6KV:1600A:ANY MAKE/MODEL	Not Claimed	2016-17			66500	66500	20440				
68	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-200MM	Not Claimed	2017-18					45000				
69	LMG HYDRO PNEUMATICS	ROTOR:REXROTH:A2FM80/61W-VB0010 HYD MO	Not Claimed	2017-18					36694				
70	ARGO TECH INDIA PVT LTD	3HP DC MOTOR,R6520060008	Not Claimed	2017-18					5800				
71	SAPS POWER EQUIPMENTS PVT LTD	450MM(FIG950):COMPLETE ASSY.:	Not Claimed	2017-18					38121				
72	METAL ALLOYS CORPORATION	CPU:CONDENSER TUBE(DIA-19MM,THK-1MM)	Not Claimed	2017-18					156951				
73	SHANTHI GEARS LTD	GEAR BOX:BTN-360-SPL-4 MAKE:SHANTI	Not Claimed	2017-18					29289				
74	P S JIVRAJ & CO	AIR CIRCUIT BREAKER RS IS:10027800 A	Not Claimed	2017-18				0	35800				
75	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-200MM	Not Claimed	2017-18					15953				
76	AUTO PARTS & ACCESSORIES	IMPELLER FOR SEAL AIR FAN ST II	Not Claimed	2017-18					33425				
77	LORD VISHWAKARMA HEAT EXCHANGERS	COMPLETE TUBE NEST OF MAIN EJECTOR210M	Not Claimed	2017-18			65000	65000	0				
78	AMICHAND TECHNOLOGICAL PVT LTD	NUMERICAL FEEDER PROTECTION RELAY 1A	Not Claimed	2017-18				0	39928				
79	WATERLINE CORPORATI	3P IM; 415V;110 KW;1475 RPM;TYPE:TFO;	Not Claimed	2017-18					27160				
80	SIEMENS LTD	AVR/DVR:DAVR SYSTEM	Not Claimed	2017-18				0	56,455.00				
81	STOCK REDLER INDIA PVT LTD	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	2017-18				0	0				
82	JITENDRA NATH BARDHAN	Strenthening of MGR Track	Claimed	2017-18				0	45642				
83	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	2017-18					-2235975				
84	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	2017-18					-2329				
85	DHANBAD ELECTRICALS PVT LTD	2000A,ACB MICRO PROCESSOR BASED 3-POLE	Not Claimed	2017-18				0	0				
86	TOSHIBA TRANSMISSION & DISTRIBUTION	POWER XYMR 200MVA,400/21KV,DYN11,OFAF	Not Claimed	2017-18				0	0				
87	BHARAT HEAVY ELECTRICALS LTD	COUPLING BOLT M64 FOR BRG PED.4(CAPT/0	Not Claimed	2017-18					15120				
88	CYRUS INFRA TECH PRIVATE LIMITED	ID FAN SCOOP ACTUATOR	Not Claimed	2017-18				0	0				
89	ALFA LAVAL INDIA PRIVATE LTD	MAB 206:COMPLETE ASSY.	Not Claimed	2018-19					332000				
90	ELECTRO THERAPY	EL OP. HOIST-4.01-5.0T:ELECT HOIST 5MT	Not Claimed	2018-19				0	155250				
91	DCIPS	TRENCH LINER:COMP. ASSLY	Not Claimed	2018-19					79600				
92	AUTOMATIC ELECTRIC LTD	6.6KV CT 50/1/1A. 10VA,CL:1/15VA,5P15.	Not Claimed	2018-19					48930				
93	MERRICK INDUSTRIES PVT LTD	SIGNAL I/P MODULE OF SCR CONTR-M22419-	Not Claimed	2018-19					12634				
94	FEC INDIA PVT LTD	GB:FAIRFIELD:W10D2505123:COMP ASSY	Not Claimed	2018-19					154560				
95	NEW ALLENBERRY WORKS	SPEED REDUCER	Not Claimed	2018-19				0	0				
96	WPIL LTD	JTC-12GM:COMP.PUMP ASSY.	Not Claimed	2018-19					57265				
97	WPIL LTD	GM16TC:COMP ASSLY	Not Claimed	2018-19				0	45844				
98	WPIL LTD	PUMP:HEAD(10-20M):FLOW(1000-2000M3/HR)	Not Claimed	2018-19					79668				
99	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	2018-19				0	0				
100	UDYOGINI MARKETING AND SERVICES	ST. BATTERY SET;120NO CELLS;1000AH;240	Not Claimed	2018-19				0	0				
101	RAMPUR ENGINEERING CO. LTD.	1400:ND PULLEY DXL 500X1600 SHAFT D115	Not Claimed	2018-19				0	29400				
102	Clyde Pumps India Pvt Ltd	FA1B56:COMPLETE PUMP ASSY.	Not Claimed	2018-19				0	0				
103	ABB India Limited	REACTOR DIFF RELAY SCHEME RADHA,ABB	Not Claimed	2018-19					1252638				
104	HINDUSTHAN ENGINEERING & INDUSTRIES	BOBR COMPLETE WAGON	Allowed	2018-19				0	0				
105	Clyde Pumps India Pvt Ltd	FA1B75:COMPLETE PUMP ASSY.	Not Claimed	2018-19				0	316240				
106	ABB India Limited	ELECT.ACTUATOR: RHD1250,WITH ACCSR; AB	Not Claimed	2018-19				0	306000				
107	SUMESH PETROLEUM	FILTER M/C	Not Claimed	2018-19				0	0				
108	ABB India Limited	ELEC LEVER ACT(220V) FOR BFP SCOOP	Not Claimed	2018-19				0	75719				
109	NEW ALLENBERRY WORKS	GB:GR-113.006:1:COMP ASSY:	Not Claimed	2018-19				0	0				
110	TALSALES PVT LTD	SCREW COMPRESSOR	Not Claimed	2018-19				0	0				
111	BHARAT HEAVY ELECTRICALS LTD	MOTR 1SQL6.6KV:600-605KW:6P:B3 TEFC HF	Not Claimed	2018-19				0	0				
112	GEECO ENERCON PVT LTD	HOT END SECTOR PLATE ASLY,AIR PREHEAT	Not Claimed	2018-19			20305	20305	0				
113	SUMESH PETROLEUM	COMPRESSOR+AIR DRYING UNIT	Not Claimed	2018-19				0	62245				
114	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	2018-19				0	0				
115	FLOWSERVE SANMAR LTD.	APTO-3.750":MECHANICAL SEAL COMP.ASSY	Not Claimed	2018-19				0	0				
116	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	2018-19			247312	247312	4164270				
117	KC COTTRELL CO LTD	R&Retrofittings 0f ESP ST-I (Unit-I)	Claimed	2018-19			7462001	7462001	0				
118	HIGHGROUND ENERGY PVT LTD	4 X 10 KW Solar PV Grid	Not Allowed	2018-19				0	0				
119	EMKAY ENTERPRISES	A45-FG:COMPLETE ASSY	Not Claimed	2018-19					537708				
120	Electro Zavod India Pvt Ltd	SUSPENDED MAGNTC.SEPARTR:SMNR1-165/40	Not Claimed	2018-19				0	129800				
121	NEW ALLENBERRY WORKS	COMP.ASSY.-HORIZONTAL-1450:31.46:1/46.	Not Claimed	2018-19					46900				
122	JITENDRA NATH BARDHAN	Strengthening of MGR Track	Claimed	2018-19					54492				
123	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	2018-19					-3429722				
124	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	2018-19					96451				
125	BHARAT HEAVY ELECTRICALS LTD	HPCV SERVOMOTOR DRG:01140201000/0	Not Claimed	2018-19				0	0				
126	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	2018-19				0	0				
127	ABB India Limited	RELY NUM:220V DC:DIFF-RELY,2-W XYMR	Not Claimed	2018-19				0	33016				
128	SCHENCK PROCESS SOLUTIONS	BELT DRIVE REDUCER FOR STOCK COAL FEED	Not Claimed	2018-19				0	0				
129	Clyde Pumps India Pvt Ltd	JOURNAL BRG.HALF:NDE#75-WEIR BFP-FK4E3	Not Claimed	2018-19				0	0				
130	Clyde Pumps India Pvt Ltd	THRUST BRG#78-WEIR BFP-PR.PUMP:FK4E36	Not Claimed	2018-19				0	0				
131	ABB India Ltd.	MDBFP SCOOP ELECTRONIC PWR UNIT KE-3	Not Claimed	2018-19					47200				
132	BHARAT HEAVY ELECTRICALS LTD	IMPELLER BLADES TP971607240000	Not Claimed	2018-19				0	0				
133	BHARAT HEAVY ELECTRICALS LTD	450KW,SCIM,3PH,6.6KV,988 RPM,TEFC	Not Claimed	2018-19				0	0				
134	BHARAT HEAVY ELECTRICALS LTD	MOTR 1SQL6.6KV:280KW:4P:B3TEFC:ILA7560	Not Claimed	2018-19				0	0				
135	SHREEVARI ENERGY SYSTEMS PVT LTD	COLD END SECTOR PLATE ASSLY FOR SAPH	Not Claimed	2018-19				0	62000				
136	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	2018-19				0	0				
137	ABB India Limited	NUMERICAL DISTANCE PROTECTION RELAY	Not Claimed	2018-19				0	0				
138	EASTERN INDIA ENTERPRISE	Up gradation of DDCMIS ST-II	Allowed	2018-19				0	42735				
139	THE BABCOCK & WILCOX COMPANY	C.F.S LIGHTER ASSY,7587G100 **(CAP/03)	Not Claimed	2018-19				0	0				
140	THE BABCOCK & WILCOX COMPANY	MPS 89G:BALL SCREW JACK ASSY 74" STROK	Not Claimed	2018-19				0	126161				
141	THE BABCOCK & WILCOX COMPANY	MPS 89G:HIGH SPEED SHAFT	Not Claimed	2018-19				0	0				
142	THE BABCOCK & WILCOX COMPANY	MPS 89G:PORTABLE HYDRAULIC POWER UNIT	Not Claimed	2018-19				0	0				
143	Kingsbury Inc	THRUST PADS SET FOR 56 BV SERIES 1000	Not Claimed	2018-19				0	0				
144	THE BABCOCK & WILCOX COMPANY	MPS 89G:RING SEAT FOR MILL	Not Claimed	2018-19				0	89055				
145	THE BABCOCK & WILCOX COMPANY	MPS 89G:ROLL WHEEL SEAL AIR ASSY.	Not Claimed	2018-19				0	0				
146	METSO ASIA PACIFIC PTE LTD	915A:CAGE FRAME ASSY	Not Claimed	2018-19				0	0				
147	TLT TURBO GMBH	SHAFT WITH BEARING ASY-FD FAN AP1 26/	Not Claimed	2018-19				0	156				
148	TLT TURBO GMBH	SHAFT&BEARING ASY-PA FAN AP 2 20/12	Not Claimed	2018-19				0	0				
149	TLT TURBO GMBH	HAFT DRG.NO-KKK 16260161320	Not Claimed	2018-19				0	0				
150	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	2019-20			8647142	8647142	77554				

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	liability in additional capitalisation for 2021-22 as per annexure I B-column 9	Contractors ERV updation	Discharge during the year 2021-22		Total discharge	Undischarged liabilities relating to GB 31.03.2022	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2022-23 as per annexure I B-column 9	Contractors ERV updation
151	P S JIVRAJ & CO	AERIAL TOWER WAGON	Not Claimed	2019-20					0	218400				
152	GE T & D INDIA LTD	NUMERICAL MULTIFUNCTION RELAY,GEN 100	Not Claimed	2019-20					0	2779225				
153	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	2019-20					0	0				
154	SCHNEIDER ELECTRIC INFRASTRUCTURE	NUMERICAL FEEDER PROTECTION RELAY 1A	Not Claimed	2019-20			402537	116700	519237	320225				
155	EMERSON PROCESS MANAGEMENT	REHEATR SPRAY CONTRL GLOBEV/V,CAPITALI	Not Claimed	2019-20						101955				
156	BHARAT HEAVY ELECTRICALS LTD	TUBE SYSTEM FOR SEAL OIL COOLER 210MW	Not Claimed	2019-20					0	0				
157	MODERN COMMERCIAL CORPORATION	FLENDER:SDO250:COMP ASMBLY	Not Claimed	2019-20					0	0				
158	CESARE BONETTI INTERNATIONAL PVT LT	8"G/VV PN420:COMPLETE VALVE ASSY.:	Not Claimed	2019-20					0	0				
159	Delta Automation	CAM CLUTCH BOX(C.W)SIZE0860	Not Claimed	2019-20					0	0				
160	REINEKE ENGINEERING PVT LTD	COMPLETE ACTUATOR LEAK/SEAL STEAM ACT	Not Claimed	2019-20					0	0				
161	Y CUBE ENGINEERED SOLUTIONS PVT LTD	ROTARY CYL.ACTUATOR: GS16-PC12; DEZUR	Not Claimed	2019-20						103918				
162	GLOBAL UDYOG	FLUID COUPLING:41SCR24X COM ASSY PEMB	Not Claimed	2019-20			312283		312283	0				
163	KIRLOSKAR BROTHERS LTD	BHR35-22 1/2DEG:COMP.PUMP ASSLY	Not Claimed	2019-20					0	0				
164	BOSTIN ENGINEERS PVT LTD	ECONOMISER-I COIL OF 210MW BOILER	Not Claimed	2019-20						668500				
165	BHARAT HEAVY ELECTRICALS LTD	IMPELLER FOR ID FAN ST I	Not Claimed	2019-20					0	0				
166	FLOWSERVE SANMAR LTD.	FK4E36:MECHANICAL SEAL (DE)	Not Claimed	2019-20					0	0				
167	CG POWER AND INDUSTRIAL SOLUTIONS	CHP MOTOR 6.6 KV, 280 KW	Not Claimed	2019-20					0	0				
168	Clyde Pumps India Pvt Ltd	TDBFP BOOSTER PUMP ROTOR ASSEMBLY	Not Claimed	2019-20			110000		110000	0				
169	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	2019-20					0	0				
170	ALLWEILER INDIA PVT. LTD.	SNH 210R 46/U7W 3:COMP.PUMP ASSLY	Not Claimed	2019-20					0	0				
171	ALLWEILER INDIA PVT. LTD.	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	2019-20					0	0				
172	KSB MIL CONTROLS LIMITED	SH SPRAY BRANCH BLOCK V/V PART NO.SD4	Not Claimed	2019-20					0	0				
173	KSB MIL CONTROLS LIMITED	SH SPRAY COMMON BLOCK V/V PART NO.SD3	Not Claimed	2019-20					0	0				
174	KSB MIL CONTROLS LIMITED	SH SPRAY BYPASS CONTROL V/V PART NO.SD	Not Claimed	2019-20					0	0				
175	ELECON ENGINEERING CO LTD	HM263/264:HYD. CYLINDER	Not Claimed	2019-20					0	39499				
176	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	2019-20						0				
177	P S JIVRAJ & CO	ACB,4000A,3P,60KA,CATEGORY-B, 220VDC	Not Claimed	2019-20						54000				
178	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	2019-20						8682508				
179	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	2019-20						146540				
180	M/S ABB LTD.	SUPPLY OF DAS PACKAGE	Not Claimed	2019-20					0	949190				
181	CE TESTING COMPANY PVT LTD	Geotechnical Investigation at Nishindra Ash Dyke Lagoon-I&II	Claimed	2019-20					0	228268				
182	MODERN COMMERCIAL CORPORATION	ACB 3PH 650V 1600A SIEMENS MAKE	Not Claimed	2019-20					0	403456				
183	BHARAT HEAVY ELECTRICALS LTD	GENERATOR SEAL BODY EXCITER END	Not Claimed	2019-20						20400				
184	BHARAT HEAVY ELECTRICALS LTD	VALVE CONE DRG.01230401000C/08	Not Claimed	2019-20						50627				
185	GE OIL & GAS INDIA PRIVATE LIMITED	FK4E36:BFP RC VALVE ASSY	Not Claimed	2019-20						58636				
186	VOITH TURBO PVT LTD	VOITH:1780 SVNL 21-80G:THRUST BRG- 3	Not Claimed	2019-20						44619				
187	Delta Automation	CAM CLUTCH BOX(C.C.W),SIZE0860	Not Claimed	2019-20						20528				
188	SBM ENTERPRISE	COMPLETE BOWL ASSY.IN ASSEMBLED CONDIT	Not Claimed	2019-20						78582				
189	BHARAT HEAVY ELECTRICALS LTD	MAIN SHAFT FOR ID FAN ST-I	Not Claimed	2019-20						104664				
190	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER46U7.4W3:PUMP CARTRIDGE	Not Claimed	2019-20						15510				
191	SIEMENS LTD	ACB 3PH 650V 1600A SIEMENS MAKE	Not Claimed	2019-20						637200				
192	Stahl Cranesystems Gmbh	DMWC:PRECISION HOISTING GEAR	Not Claimed	2019-20					0	22644				
193	ALLWEILER INDIA PVT. LTD.	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	2019-20						21842				
194	BHARAT HEAVY ELECTRICALS LTD	DPU-4F PRIMARY PROCESSOR: ED69230D401	Not Claimed	2019-20			80241	257461	337702	0				
195	BHARAT HEAVY ELECTRICALS LTD	DPU-4F SECONDARY.PROCESSOR: ED69230D4	Not Claimed	2019-20					0	0				
196	Senorita Marketing PVT LTD	CARTRIDGE ASSY PDHU70 CAPT03RT NO.SD4	Not Claimed	2019-20					0	0				
197	BHARAT HEAVY ELECTRICALS LTD	C&I System for FSTPP_Under R&M_St-I(Unit#3)	Not Allowed	2020-21			28301961		28301961	2675747				
198	KC COTTRELL CO LTD	R&Retrofittings Of ESP ST-I (Unit-I)	Claimed	2020-21			35857572		35857572	26543309				
199	NTPC GE POWER SERVICES PRIVATE	RLA study of Critical Piping-Stage-I (Unit#II)	Not Allowed	2020-21			2228153		2228153	0				
200	AUMA INDIA PVT LTD	Replacement of Electrical Actuators under R&M U#II	Not Allowed	2020-21						1770000				
201	OTIS ELEVATOR	TENDER CODE:ELEVATOR-900KG	Not Allowed	2020-21			2409000		2409000	0				
202	OTIS ELEVATOR	TENDER CODE:ELEVATOR-1500KG	Not Allowed	2020-21			1656121		1656121	2856478				
203	BEACON ELEVATOR CO PVT LTD	TC:ELEVATOR-1000KG	Not Allowed	2020-21			175000		175000	350000				
204	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	2020-21			1680000		1680000	2800000				
205	OTIS ELEVATOR	TENDER CODE:ELEVATOR-900KG	Not Allowed	2020-21			2409000		2409000	0				
206	THE BABCOCK & WILCOX COMPANY	MPS 89G:WHEEL	Not Claimed	2020-21						851846				
207	TLT TURBO GMBH	BLADE DRG.NO-KKK16201260034(1) (ANSALD	Not Claimed	2020-21			1821864		1821864	409715.39				
208	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE ASSY(MK-1) INSULATED	Not Claimed	2020-21			5574384		5574384	1482164				
209	THE BABCOCK & WILCOX COMPANY	MPS 89G:HEAT EXCHANGERILL	Not Claimed	2020-21						267771				
210	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:SILENCER	Not Claimed	2020-21						64885				
211	WPIL LTD	C24TC:COMPLETE ASSY	Not Claimed	2020-21			15867		15867	0				
212	RANCHI ELECTRICALS	10/8FFAH:COMPLETE ASSY	Not Claimed	2020-21						96753				
213	BHARAT HEAVY ELECTRICALS LTD	DRIVE CONTROL MODULE 69205DSZAB MAX-DN	Not Claimed	2020-21						16425				
214	INCOTECH AUTOMATION SOLUTIONS	MINI PLC,MAKE:GE-FANUAC,CAT.:IC693PCM3	Not Claimed	2020-21						2322750				
215	BHARAT HEAVY ELECTRICALS LTD	MDL CE69202ASYNA 7VE2146-1, ED74040012	Not Claimed	2020-21						28241				
216	VISSION AUTOMATION PVT LTD	UNITY CPU MODULE: 140CPU67160; SHNEIDE	Not Claimed	2020-21			780679		780679	0				
217	BHARAT HEAVY ELECTRICALS LTD	SEAL OIL DIFFERENTIAL PRESSURE REGULATOR	Not Claimed	2020-21						586000				
218	TLT TURBO GMBH	ID FAN SHAFT (CAPT/03) (ANSALDO)	Not Claimed	2020-21			19424426	4275427	23699853	0				
219	FEC INDIA PVT LTD	GB:FAIRFIELD:W10D2505123:COMP ASSY	Not Claimed	2020-21			56825		56825	0				
220	ALLWEILER INDIA PVT. LTD.	T3SA 38/42:COMPLETE PUMP ASSY	Not Claimed	2020-21			80503		80503	0				
221	GE OIL & GAS INDIA PRIVATE LIMITED	PNEUMATIC ACTUATORS SIZE 18INCH	Not Claimed	2020-21						32156				
222	Kingsbury Inc	BEARING HOUSING FOR SAPH ST II	Not Claimed	2020-21			12792639	2153569	14946208	0				
223	Kingsbury Inc	PAPH SUP BRG.KINGSBURI,41BV,450(ANSALD	Not Claimed	2020-21			9369385	1580756	10950141	0				
224	LAXMI ENGINEERING INDUSTRIES	COMPLETE TUBE NEST OF MAIN EJECTOR210M	Not Claimed	2020-21			15032		15032	0				
225	BHARAT HEAVY ELECTRICALS LTD	GENERATOR BEARING EE 91390101000-00	Not Claimed	2020-21						58262				
226	SHRI BALAJI INDUSTRIAL PRODUCTS	WORM SHAFT+WORM GEAR+LOCK NUTS XRP-803	Not Claimed	2020-21			1775708		1775708	0				
227	SHRI BALAJI INDUSTRIAL PRODUCTS	GRINDING ROLL SET FOR XRP 803 MILL	Not Claimed	2020-21			5841000		5841000	0				
228	TRIDENT EQUIPMENTS PVT LTD	CHLORIDE ANALYSER - COMPLETE	Not Claimed	2020-21			1480548	48118	1528666	0				
229	THE BABCOCK & WILCOX COMPANY	MPS 89G:RING SEAT FOR MILL	Not Claimed	2020-21			9658312		9658312	1066075				
230	FLUIDOMAT LTD	F.C:FLUIDOMAT:FCU T12/13:COMP ASSY	Not Claimed	2020-21			1147715		1147715	0				
231	1139299 ROCKWELL AUTOMATION INDIA PVT LTD	M95670520 26N ALLEN BRADLEY PROCESSOR P/N: PLC 5/40	Not Claimed	2020-21						249000				
232	THE BABCOCK & WILCOX COMPANY	MPS 89G:WHEEL	Not Claimed	2020-21			3233583		3233583	0				
233	SIEMENS LTD	SEALING RING DRG:11051410008/06	Not Claimed	2020-21			1529254		1529254	0				
234	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE ASSY(MK-1) INSULATED	Not Claimed	2020-21			3680659	5604376	9285035	0				

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	liability in additional capitalisation for 2021-22 as per annexure I B-column 9	Contractors ERV updation	Discharge during the year 2021-22	Total discharge	Undischarged liabilities relating to GB 31.03.2022	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2022-23 as per annexure I B-column 9	Contractors ERV updation
235	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE SEAL HOUSING	Not Claimed	2020-21			3685988	3685988	0				
236	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	2020-21			4195418	4195418	0				
237	THE BABCOCK & WILCOX COMPANY	MPS 89G:SPRING FRAME	Not Claimed	2020-21			3081869	3081869	0				
238	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	2020-21			4195418	4195418	0				
239	THE BABCOCK & WILCOX COMPANY	MPS 89G:SPRING FRAME	Not Claimed	2020-21			3081869	3081869	0				
240	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	2020-21					2267570				
241	JITENDRA NATH BARDHAN	Strengthening of MGR Track	Claimed	2020-21					0				
242	C&S ELECTRIC LTD	Procurement of Supply and Retrofitting of LT Air circuit Breaker	Not Allowed	2021-22	2808898.00				2808898				
243	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-IV)	Claimed	2021-22	98976675.59				98976675.59				
244	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-IV)	Claimed	2021-22	2477431.52				2477432				
245	KC COTTRELL CO LTD	R&Retrofittings Of ESP ST-I (Unit-III)	Claimed	2021-22	10852063.30				10852063				
246	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	2021-22	4305861.00				4305861				
247	SHRI BALAJI INDUSTRIAL PRODUCTS	GRINDING ROLL SET FOR XRP 803 MILL	Not Claimed	2021-22	2268000.00				2268000				
248	BHARAT HEAVY ELECTRICALS LTD	IMPELLER BLADES BLADE BEARING ASSEMBLY	Not Claimed	2021-22	5220202.00				5220202				
249	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:BLADE BRG. ASSY.	Not Claimed	2021-22	436910.37				436910				
250	BHARAT HEAVY ELECTRICALS LTD	SHAFT&BEARING ASY-PA FAN AP 2 20/12	Not Claimed	2021-22	6939330.00				6939330				
251	BHARAT HEAVY ELECTRICALS LTD	BLADE FOR AP2-20/12,P.A. FAN	Not Claimed	2021-22	230828.60				230829				
252	BHARAT HEAVY ELECTRICALS LTD	RADIAL THRUST BRG D380X290 01170327000	Not Claimed	2021-22	11314548.56				11314549				
253	BHARAT HEAVY ELECTRICALS LTD	JOURNAL BRG D450X450 DRG:11181841000/0	Not Claimed	2021-22	8899524.44				8899524				
254	BMW STEELS LTD	MPS 89G:CERAMIC CONE ASSY. WITH FASTN	Not Claimed	2021-22	16337.00				16337				
255	EIP ENVIRO LEVEL CONTROL PVT LTD	3D- BUNKER LEVEL MEAUSREMENT SYSTEM	Not Claimed	2021-22	638892.00				638892				
256	LIMITORQUE INDIA LTD	Replacement of Elect Actuators under R&M_U#I&III	Not Allowed	2021-22	3857013.00				3857013				
257	LIMITORQUE INDIA LTD	Replacement of Elect Actuators under R&M_U#I&III	Not Allowed	2021-22	5462834.00				5462834				
258	NTPC GE POWER SERVICES PRIVATE	RLA study of Critical Piping-Stage-I (Unit#I)	Not Allowed	2021-22	342161.00				342161				
259	THE ENERGY & RESOURCES INSTITUTE	BIO-METHANATION PLANT IN TOWNSHIP	Claimed	2021-22	116400.00				116400				
260	UT PUMPS & SYSTEMS PV	W6.4ZK75:COMP PUMP ASSY	Not Claimed	2021-22	1680075.00				1680075				
261	SIEMENS LTD	JOURNAL BRG D500X450 DRG:01181402000/0	Not Claimed	2021-22	136290.00				1,36,290.00				
262	BHARAT HEAVY ELECTRICALS LTD	Mega R&M of C&I System_St-I(Unit#1)	Not Allowed	2021-22	8674276.00				8674276				
263	KSB PUMPS LTD	COMPLETE ASSEMBLY OF CONTROL FLUID PUM	Not Claimed	2021-22	1862400.00				1862400				
264	CONTROL COMPONENT INDIA PVT LTD	ACTUATOR ASM 250-10; PN. 103.152.131.2	Not Claimed	2021-22	917253.00				917253				
265	GE T & D INDIA LTD	RELAY PANEL	Not Claimed	2021-22	35000.00				35000				
266	MINIMAC SYSTEMS PVT LTD	FILTER M/C	Not Claimed	2021-22	40100.00				40100				
267	DHULIYAN BIDHABA MAHILA KALIAN	R&M of FH IV & VII in FH Township	Not Allowed	2021-22	2304936.00				2304936				
268	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	2021-22	731182.00				731182				
269	BHARAT HEAVY ELECTRICALS LIMITED	MPS 89G:CERAMIC CONE ASSY. WITH FASTN	Not Claimed	2021-22	32754.00				32754				
270	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	2021-22	400000.00				400000				
271	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	2021-22	160000.00				160000				
272	THE BABCOCK & WILCOX COMPANY	MPS 89G:GEAR DRIVE	Not Claimed	2021-22	3016551.50				3016552				
273	SUNAG CORPORATION(USA)	GB:CONE DRIVE:SR60A322:COMP ASSY	Not Claimed	2021-22	5654672.10				5654672				
274	NEW ALLENBERRY WORKS	GB:CSB:450:COMPL ASSY	Not Claimed	2021-22	1907765.00				1907765				
275	ELECON ENGINEERING CO LTD	ELECON:NK-KCU200:COMPL GEAR BOX ASSY	Not Claimed	2021-22	44588.16				44588				
276	ELECON ENGINEERING CO LTD	HM263/264:BW SHAFT COMPLETE ASSY	Not Claimed	2021-22	63881.40				63881				
277	SIEMENS LTD	RG3-S:SINAMICS S120 SINGLE MOTOR MODUL	Not Claimed	2021-22	3593.95				3,593.95				
278	CONTROL COMPONENT INDIA PVT LTD	ELECTRO-HYDRAULIC ACTUATOR ASM200-10	Not Claimed	2021-22	408898.15				408898				
279	TRF LTD	E-13:VIBRATING ASSEMBLY	Not Claimed	2021-22	5097098.00				5097098				
280	BHARAT HEAVY ELECTRICALS LTD	INLET INSERT DRG:01051402000/001	Not Claimed	2021-22	840868.00				840868				
281	WPIL LTD	RF24TC:COMP ASSY	Not Claimed	2021-22	19550.00				19550				
282	SIEMENS LTD	BREECH NUT DRG:11051409000/03	Not Claimed	2021-22	8964177.00				89,64,177.00				
283	ALLWEILER INDIA PVT. LTD.	COMPLETE CARTRIDGE ASSY FOR HFO PUMP	Not Claimed	2021-22	18692.43				18692				
284	WPIL LTD	JTC-12GM:BOWL ASSLY	Not Claimed	2021-22	10125.00				10125				
285	BHARAT HEAVY ELECTRICALS	CCS BLOBE VALVE 65MM HAND OPERATED	Not Claimed	2021-22	1060923.66				1060924				
286	BHARAT HEAVY ELECTRICALS LTD	DRIVE CONTROL MODULE 69205DSZAB MAX-DN	Not Claimed	2021-22	62962.50				62963				
287	BHARAT HEAVY ELECTRICALS LTD	DPU4F PRIM.PROCESR: ED69230D406D; BHEL	Not Claimed	2021-22	3139.50				3140				
288	LMG HYDRO PNEUMATICS	A4VG125EP2DM1:COMP.PUMP ASSLY.	Not Claimed	2021-22	967005.36				967005				
289	SCHNEIDER ELECTRIC INFRASTRUCTURE	Supply and Retrofitting of 6.6 KV VCB	Not Allowed	2021-22	367536.00				367536				
290	THE BABCOCK & WILCOX COMPANY	MPS 89G:PORTABLE HYDRAULIC POWER UNIT	Not Claimed	2021-22	859408.31				859408				
291	LOTUS CONSTRUCTION COMPANY	2ND RAISING OF KENDUA ASH DYKE LAGOON-I	Claimed	2021-22	3362157.00				3362157				
292	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	2022-23						9278148		1,85,023.90	
293	BHARAT HEAVY ELECTRICALS LTD	C&I System for FSTPP Under R&M St-I(Unit#1)	Not Allowed	2022-23						50449546		4,95,427.00	
294	ABB India Limited	AGC Implementation work	Claimed	2022-23						3188997		300282	
295	ALIKRAFT ENGINEERS PVT LTD	Elevator at TP-11 of CHP	Not Allowed	2022-23						2825111		388000	
296	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-V)	Claimed	2022-23						800625216		64080868	
297	BHARAT HEAVY ELECTRICALS LTD	PLUNGER COIL FOR HP,LP CONTROL VALVES	Not Claimed	2022-23						1840800		7,64,152.00	
298	CG POWER AND INDUSTRIAL	BUS DCT&ACCES CURNTTRANSFOR132KVTELK	Not Claimed	2022-23						5343100		449000	
299	STATIC SYSTEMS ELECTRONICS PVT LTD	ACOUSTIC LEAK DETECTION SYSTEM- COMPLE	Not Allowed	2022-23						9777480		279200	
300	TECHNO SERVICES ENGINEERING	MOTR 1SQL6.6KV:1650KW:6P:B3-TETV:CT630	Not Claimed	2022-23						4236400		1602000	
301	BHARAT HEAVY ELECTRICALS LTD	MAIN SHAFT FOR ID FAN ST-I	Not Claimed	2022-23						31705751		71,55,660.00	
302	BHARAT HEAVY ELECTRICALS LTD	SHAFT WITH BEARING ASY-FD FAN AP1 26/	Not Claimed	2022-23						6797727		9,52,906.75	
303	BHARAT HEAVY ELECTRICALS LTD	SEALING RING (IN 6 PARTS) 01050509000	Not Claimed	2022-23						2386668		1,17,307.00	
304	WAM INDIA PVT LTD	ZAMBA15N14021:COMP ASSLY	Not Claimed	2022-23						2430076		61720	
305	P S ENTERPRISE	MATL-14E02:99-TAS-80	Not Claimed	2022-23						2943392		249440	
306	KIRLOSKAR BROTHERS LTD	COMPLETE BOWL ASSY.IN ASSEMBLED CONDIT	Not Claimed	2022-23						2230710		74684	
307	KIRLOSKAR BROTHERS LTD	BOWL ASSEMBLY OF STG-I CWP	Not Claimed	2022-23						15555728		86400	
308	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	2022-23						9833336		7970320	
309	THE BABCOCK & WILCOX COMPANY	MPS 89G:TOP HOUSING ASSY.	Not Claimed	2022-23						40370618		32334861	
310	BHARAT HEAVY ELECTRICALS LTD	CCS GLOBE VALVE 65MMMOTORIESED	Not Claimed	2022-23						11343974		2,33,647.54	
311	VOITH TURBO PVT LTD	VOITH:1780 SVNL 21-80G:COMPLETE ASSEMB	Not Claimed	2022-23						56901207		478161	
312	BHARAT HEAVY ELECTRICALS LTD	POWR SUPLY AC/DC CNVRTR 'KX9180A' ;DVR	Not Claimed	2022-23						3991185		98,955.00	
313	SHRI BALAJI INDUSTRIAL PRODUCTS	MPS 89G:TIRE (VAM-20)	Not Claimed	2022-23						6258054		4380160	
314	SUNAG CORPORATION	GB:CONE DRIVE:SR60A322-C1:COMP ASSY	Not Claimed	2022-23						7742163		292362	
315	DEZURIK INC	PEC-ECC-14":COMPL. V/V ASSY.	Not Claimed	2022-23						5227749		132900	
316	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER46U7.4W3:PUMP CARTRIDGE	Not Claimed	2022-23						2067513		17374	
317	AISHWARYA TECHNOLOGIES AND	UNDERGROUND WIRE & PIPE LOCATOR: LKZ15	Not Claimed	2022-23						277300		277300	
318	KSB MIL CONTROLS LIMITED	REHEATER SPRAY CONT.VALVEOR41,44,47,50	Not Claimed	2022-23						2030159		177864	

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	liability in additional capitalisation for 2021-22 as per annexure I B-column 9	Contractors ERV updation	Discharge during the year 2021-22		Total discharge	Undischarged liabilities relating to GB 31.03.2022	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2022-23 as per annexure I B-column 9	Contractors ERV updation
319	KSB MIL CONTROLS LIMITED	REHEATER SPRAY CONT.VALVEOR41,44,47,50	Not Claimed	2022-23							676720		45388	
320	BHARAT HEAVY ELECTRICALS LTD	K1401-2:LPC VALVE 200/125/U-2:COMP.ASS	Not Claimed	2022-23							6179168		1,53,202.50	
321	WPIL LTD	JTC-12GM:COMP.PUMP ASSY.	Not Claimed	2022-23							1734472		146989	
322	SCHENCK PROCESS SOLUTIONS	BELT DRIVE REDUCER FOR STOCK COAL FEED	Not Claimed	2022-23							12064320		12064320	
323	KAREYN PRECISION MACHINES PVT LTD	PLUNGER COIL FOR HP,LP CONTROL VALVES	Not Claimed	2022-23							2335093		1167547	
324	HACH DHR INDIA PRIVATE LIMITED	ONLINE SILICA ANALYSER RANGE:0-5000PPB	Not Claimed	2022-23							1298000		1298000	
325	FLOWMORE LTD	5824-125X100:COMP.PUMP ASSLY	Not Claimed	2022-23							1253754		10331	
326	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:SHAFT +BRG. ASSY	Not Claimed	2022-23							3017851		6,00,000.00	
327	BHARAT HEAVY ELECTRICALS LTD	SERVO MOTOR ASSLY FOR F.D.FAN	Not Claimed	2022-23							5755917		5,77,019.27	
328	BHARAT HEAVY ELECTRICALS LTD	AUX GEN AG-51/M FOR BHEL WDM-2 CLASS	Not Claimed	2022-23							1717884		14,436.00	
329	BHARAT HEAVY ELECTRICALS LTD	TUBE SYSTEM FOR SEAL OIL COOLER 210MW	Not Claimed	2022-23							8621424		86,09,122.00	
330	NEW ALLENBERRY WORKS	GB:N.ALLENBERY:CSB:450:COMP ASSY	Not Claimed	2022-23							3629634		3629634	
331	AUMA INDIA PVT LTD	ELECT.ACTUATOR: SA14.6/AM02.1-F14-ON/O	Not Claimed	2022-23							1803600		1803600	
332	BHARAT HEAVY ELECTRICALS LTD	DLWSPR:TRACTION MOTOR WITH PINION	Not Claimed	2022-23							16975489		16975489	
333	BEML LIMITED	BD-155:TRACK SHOE ASSY	Not Claimed	2022-23							2537000		2537000	
334	Hamon Research-cottrell	MICRO PROCESSOR POWER BOARD,P/N:307801	Not Claimed	2022-23							4789277		4789277	
335	MARATHON ELECTRIC MOTORS INDIA LTD	3P IM; 415V;110 KW;1475 RPM;TYPE:TFO;	Not Claimed	2022-23							1477242		1259006	
336	WPIL LTD	Procurement of WPIL make BAHP pump comp assembly	Not Claimed	2023-24										
337	WPIL LTD	Supply of WPIL make Pumps and spares for Offsite Area	Not Claimed	2023-24										
338	SIEMENS LTD	Procurement of Turbine side spares	Not Claimed	2023-24										
339	ALFA LAVAL INDIA PRIVATE LTD	PROCUREMENT OF MOT CENTRIFUGE	Not Claimed	2023-24										
340	MERRICK INDUSTRIES PVT LTD	Up-gradation of St-1 Merrick Coal feeders -18 nos	Claimed	2023-24										
341	NEW ALLENBERRY WORKS	Purchase Order for Supply of Gearboxes for CHP	Not Claimed	2023-24										
342	BHARAT HEAVY ELECTRICALS LTD	SUPPLY OF 10MW BFP MOTOR FOR MDBFP OF STAGE-II UNITS(CAPITAL SPARES).	Not Claimed	2023-24										
343	BHARAT HEAVY ELECTRICALS LTD	Procurement of Turbine side capital spares	Not Claimed	2023-24										
344	RANCHI ELECTRICALS	PROCUREMENT OF WEIR WARMAN MAKE COMPLETE ASSEMBLY OF ASH SLURRY PUMP FOR STAGE_1	Not Claimed	2023-24										
345	MINIMAC SYSTEMS PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine	Not Claimed	2023-24										
346	BHARAT HEAVY ELECTRICALS LTD	Procurement of Rotor & Impellar	Not Claimed	2023-24										
347	GARDNER DENVER NASH LLC	PROCUREMENT OF CONDENSER VACCUM PUMP	Not Claimed	2023-24										
348	IGUS INDIA PVT LTD	Retrofitting work of energy chain system in place of CRD includes design, supply, installation & commissioning for Paddle Feeder-1 & 2 of Track Hopper NTPC Farakka	Claimed	2023-24										
349	S D ENGINEERING WORKS	SUPPLY ERECTION AND COMMISSIONING OF SUSPENDED MAGNET FOR CHP NTPC FARAKKA.	Not Claimed	2023-24										
350	RAMP DISPLAY SOLUTIONS PVT LTD	PROCUREMENT LED BASED LVS	Not Claimed	2023-24										
351	MECH-WELL INDUSTRIES LTD	Purchase Order for Supply of components of Coal Burner of Stage-I APH Inlet and Outlet Dampers Farakka STPS	Not Claimed	2023-24										
352	CG POWER AND INDUSTRIAL	SUPPLY OF CGL MOTORS NTPC FARAKKA	Not Claimed	2023-24										
353	ESCORTS KUBOTA LIMITED	PURCHASE OF 02 NOS. OF BACKHOE LOADERS AT CHP FOR NTPC FARAKKA	Not Claimed	2023-24										
354	KLEENOIL FILTERATION INDIA PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine.	Not Claimed	2023-24										
355	KLEENOIL FILTERATION INDIA PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine.	Not Claimed	2023-24										
356	BANARAS LOCOMOTIVE WORKS	Procurement of 04 Nos WDG3A Locomotives for NTPC Farakka	Claimed	2023-24										
357	BANARAS LOCOMOTIVE WORKS	Procurement of 04 Nos WDG3A Locomotives for NTPC Farakka	Claimed	2023-24										
358	ROYAL INFRACONSTRU LTD	CONSTRUCTION OF NEW TWO LANE ROAD BRIDGE ADJACENT TO THE EXISTING BRIDGE AT RD 8.5 OVER FEEDER CANAL AT FARAKKA	Allowed	2023-24										
	TOTAL ST - I & II				**214871769**	**0**	**193616848**	**14257004**	**207873852**	**1346100391**	**1173524951**	**0**	**179316336**	**0**
B	**For assets eligible for ROE at weighted average rate of interest on loan**	**NA**								1346100391				

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	Discharge during the year 2022-23		Total discharge	Undischarged liabilities relating to GB 31.03.2023	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2023-24 as per annexure I B-column 9	Contractors ERV updation	Discharge during t
					-by payment	-by reversal							-by payment
(1)	(2)	(3)		(4)	(7)	(8)	(9)=(7+8)	(10)=(5+6+6A-9)			(6)	(6A)	(7)
	for assets eligible for normal ROE												
	Prior to 01.04.2004												
1	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed			80688295	80688295	0					
2	RODE KONCAR	UNIT AND STATION TRANSFORMER	Allowed					2292491					
3	GDC	PILLIN PIPE CAPS FOR STAGE - II, WO - 1955 & 1954	Allowed										
4	IRCON	CONSTRUCTION OF SIMULATANEOUS LINES FOR DESPATCH FACILITIES AT KAMARPUR AND PATHRA STATION	Allowed										
5	NEEL KAMAL	CONSTRUCTION OF PEDSTALS FOR ADD. ASH PIPE LINES ST-I , WO-20115	Allowed										
6	N H CONSTRUCTION	CONSTN OF PEDESTAL AND LAYINNG OF WATER PIPE LINE	Not Allowed										
	TOTAL Prior to 01.04.2004						**80688295**	**2292491**					
7	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed	**2004-05**	6425848		6425848	0					
8	Yokogawa ; 40405 / 9034	SUPPLY,INSTAL,EREC.COMMNG.& TESTING OF ON LINE ZIRCONIUM BASED 02 ANALLYSERS	Allowed	**2005-06**			0	0					
9	Neo Teletronics ; 94N40694	High Voltage(AC)Test Kit Range to R&M) 2	Allowed	**2005-06**			0	0					
10	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed	**2006-07**		2567323	2567323	0					
11	GE INDIA INDUSTRIAL PVT.LTD.	MULTI CHANNEL (8 CHANNEL) PORTABLE VIBRATION ANALYSER	Allowed	**2006-07**			0	0					
12	EASTERN TRADE CENTRE	SQ.CAGE INDUCTION MOTOR FOR CF PUMP,132KW,240A,3000RPM,415V,INS.CL-F,DUTY-S1,3PH,FRAME-315M`SIEMENS'	Not Claimed	**2006-07**			0	0					
13	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Not Allowed	**2007-08**	1426159	352402	1778561	0					
14	YOKOGAWA INDIA LIMITED	VIDEOGRAPHIC PAPERLESS REC	Not Claimed	**2007-08**			0	0					
15	SOURCE LIGHT BATTERY CO.	BATTERY 12VOLT,75AH SEALED	Not Claimed	**2007-08**			0	0					
16	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11, SITE ERV ANSALDO SPA - A0331/ WO-527-AID403, SITE ERV	Not Allowed	**2008-09**	19188165		19188165	0					
17	TARAPORE & CO	ASH HANDLING PLANT, Arbitration Award Const Ash Bund, Stage-I, TARAPORE & CO	Allowed	**2008-09**			0	1173292					
18	ENERGO ENGG. PROJECTS PVT .TD.	PNEUMATIC OPERATED 500NB K	Not Claimed	**2008-09**			0	0					
19	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV RODE KONCAR-439-R0178, SITE ERV	Not Claimed	**2008-09**			0	264658					
20	ACCESS COMPUTECH PVTLTD	INSTALLION OF e-ATTENDANCE RECORDING SYSTEM	Not Claimed	**2008-09**			0	0					
21	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11, SITE ERV 2009-10 ANSALDO SPA -	Not Allowed	**2009-10**	-11077211		-11077211	0					
22	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2009-10 RODE KONCAR-439-	Not Claimed	**2009-10**	-136988		-136988	0					
23	ANSALDO SPA	STEAM GENERATOR & ESP STAGE -II	Not Allowed	**2010-11**	3307806		3307806	0					
24	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2009-10 RODE KONCAR-439-	Not Claimed	**2010-11**	-10251		-10251	0					
25	NPCC LTD	1ST RAISING OF MALANCHA ASH DYKE LAGOON	Not Allowed	**2010-11**			0	1500000					
26	ABB Limited	CURRENT TRANSFORMER,420KV,2000A,5 CORE	Not Claimed	**2010-11**			0	0					
27	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2011-12**		9611216	9611216	0					
28	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2011-12**	147239		147239	1864					
29	ANSALDO SPA	STEAM GENERATOR & ESP STAGE -II	Not Allowed	**2012-13**	1918632		1918632	0					
30	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2012-13	Not Claimed	**2012-13**			0	76182					
31	AREVA T&D INDIA LTD	RELAY PANEL	Not Claimed	**2012-13**			0	0					
32	M/S ABB LTD.	SUPPLY OF DAS PACKAGE	Not Claimed	**2013-14**			0	8178424					
33	EASTERN INDIA ENTERPRISE	FLY ASH CONCRETE ROAD AT INFRASTRUCTURE AREA	Not Claimed	**2013-14**			0	0					
34	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2013-14**		20529576	20529576	0					
35	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2013-14**			0	132795					
36	SCHNEIDER ELECTRIC INFRASTRUCTURE	M8579150001 VCB:6.6KV:800A:ANY STD MAKE/MODEL	Not Claimed	**2013-14**			0	0					
37	JITF WATER INFRASTRUCTURE LTD	Finacial lease-Coal Mat Handling system fkk JITF	Not Allowed	**2013-14**			0	600000000					
38	VIKRAM SOLAR PVT LTD	SOLAR POWER GENERATING UNIT	Not Allowed	**2014-15**			0	510					
39	RITES LTD	Strenthening of MGR Track	Claimed	**2014-15**			0	2933361					
40	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2014-15**	-23414036		-23414036	0					
41	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2014-15**			0	60107					
42	ALSTOM T&D INDIA LTD	NUMERICAL MOTOR PROTECTION RELAY 1A	Not Claimed	**2015-16**			0	243048					
43	ELECON ENGINEERING CO LT	HM263/264:TRAVEL GEAR UNIT	Not Claimed	**2015-16**			0	0					
44	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2015-16**		11445238	11445238	0					
45	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2015-16**			0	86432					
46	JITF WATER INFRASTRUCTURE LTD	Finacial lease-Coal Mat Handling system fkk JITF	Not Allowed	**2015-16**			0	300000000					
47	UTC Fire & Security India Ltd	FIRE DETECTION FOR WAGON TIPPLER PACKAGE	Allowed	**2016-17**			0	3575363					
48	K N INTERNATIONAL LTD	4TH RAISING OF NISHINDRA ASH DYKE	Claimed	**2016-17**			0	0					
49	Minimax GmbH & Co KG	INERT GAS FIRE EXTINGUISHING SYSTEM	Claimed	**2016-17**	5199546		5199546	3802472					
50	JITENDRA NATH BARDHAN	Strenthening of MGR Track	Claimed	**2016-17**			0	0					
51	BHARAT HEAVY ELECTRICALS LTD	400KV CVT(CAPITALISED)	Not Claimed	**2016-17**			0	0					
52	HBL Power System Ltd	SET OF +/- 26V DC ATRS CHARGERS	Not Claimed	**2016-17**	344165		344165	0					
53	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-300MM	Not Claimed	**2016-17**			0	0					
54	ELECTRO THERAPY	15 T CAPACITY ELECTRIC HOIST	Not Claimed	**2016-17**			0	0					
55	Delta Automation	CAM CLUTCH BOX(C.W)SIZE0860	Not Claimed	**2016-17**			0	0					
56	IMI NORGREN HERION PVT LTD	VACUUM BREAKER VALVE ASY 31324401000/0	Not Claimed	**2016-17**	194988		194988	0					
57	GLOBAL UDYOG	G:BOX:VERTICAL:1500RPM:90:1:COMP ASSY	Not Claimed	**2016-17**			0	49350					
58	BHARAT HEAVY ELECTRICALS LTD	CONDENSATE EXTRACTION PUMP	Not Claimed	**2016-17**	41433	828567	870000	0					
59	WPIL LTD	HEAD SHAFT 58 DRG.NO-SK-1528-E	Not Claimed	**2016-17**	226501	11453	237954	0					
60	MODERN COMMERCIAL CORPORATION	ACB 3PH,650V 1000A,SIEMENS MAKE	Not Claimed	**2016-17**	97829		97829	0					
61	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2016-17**		10185396	10185396	0					
62	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2016-17**	-27258		-27258	0					
63	EMERSON PROCESS MANAGEMENT	BASIC PROBE FOR OXYGEN ANALYZER OF 6FE	Not Claimed	**2016-17**			0	0					
64	DURAG INDIA INSTRUMENTATION	COMPLETE OPACITY MONITOR	Not Claimed	**2016-17**			0	67416					
65	BHARAT HEAVY ELECTRICALS LTD	400KV CVT	Not Claimed	**2016-17**	82500		82500	0					
66	P S JIVRAJ & CO	ACB,4000A,3P,60KA,CATEGORY-B, 220VDC	Not Claimed	**2016-17**		621000	621000	0					

Flow of Capital liabilities from 01.04.2014

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67	SCHNEIDER ELECTRIC INFRASTRUCTURE	VCB 6.6KV:1600A:ANY MAKE/MODEL	Not Claimed	**2016-17**			0	20440					
68	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-200MM	Not Claimed	**2017-18**			0	45000					45000
69	LMG HYDRO PNEUMATICS	ROTOR:REXROTH:A2FM80/61W-VB0010 HYD MO	Not Claimed	**2017-18**	18347	0	18347	18347					18347
70	ARGO TECH INDIA PVT LTD	3HP DC MOTOR,R6520060008	Not Claimed	**2017-18**	5800		5800	0					
71	SAPS POWER EQUIPMENTS PVT LTD	450MM(FIG950):COMPLETE ASSY.:	Not Claimed	**2017-18**	38121		38121	0					
72	METAL ALLOYS CORPORATION	CPU:CONDENSER TUBE(DIA-19MM,THK-1MM)	Not Claimed	**2017-18**	156951		156951	0					
73	SHANTHI GEARS LTD	GEAR BOX:BTN-360-SPL-4 MAKE:SHANTI	Not Claimed	**2017-18**	29289		29289	0					
74	P S JIVRAJ & CO	AIR CIRCUIT BREAKER RS IS:10027800 A	Not Claimed	**2017-18**	35800		35800	0					
75	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-200MM	Not Claimed	**2017-18**			0	15953					15953
76	AUTO PARTS & ACCESSORIES	IMPELLER FOR SEAL AIR FAN ST II	Not Claimed	**2017-18**	33425		33425	0					
77	LORD VISHWAKARMA HEAT EXCHANGERS	COMPLETE TUBE NEST OF MAIN EJECTOR210M	Not Claimed	**2017-18**			0	0					
78	AMICHAND TECHNOLOGICAL PVT LTD	NUMERICAL FEEDER PROTECTION RELAY 1A	Not Claimed	**2017-18**	39928		39928	0					
79	WATERLINE CORPORATI	3P IM; 415V;110 KW;1475 RPM;TYPE:TFO;	Not Claimed	**2017-18**	27160		27160	0					
80	SIEMENS LTD	AVR/DVR:DAVR SYSTEM	Not Claimed	**2017-18**	56455		56455	0					
81	STOCK REDLER INDIA PVT LTD	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	**2017-18**			0	0					
82	JITENDRA NATH BARDHAN	Strenthening of MGR Track	Claimed	**2017-18**			0	45642					
83	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2017-18**	-2235975		-2235975	0					
84	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2017-18**	-2329		-2329	0					
85	DHANBAD ELECTRICALS PVT LTD	2000A,ACB MICRO PROCESSOR BASED 3-POLE	Not Claimed	**2017-18**			0	0					
86	TOSHIBA TRANSMISSION & DISTRIBUTION	POWER XYMR 200MVA,400/21KV,DYN11,OFAF	Not Claimed	**2017-18**			0	0					
87	BHARAT HEAVY ELECTRICALS LTD	COUPLING BOLT M64 FOR BRG PED.4(CAPT/0	Not Claimed	**2017-18**	15120		15120	0					
88	CYRUS INFRA TECH PRIVATE LIMITED	ID FAN SCOOP ACTUATOR	Not Claimed	**2017-18**			0	0					
89	ALFA LAVAL INDIA PRIVATE LTD	MAB 206:COMPLETE ASSY.	Not Claimed	**2018-19**	332000		332000	0					
90	ELECTRO THERAPY	EL OP. HOIST-4.01-5.0T:ELECT HOIST 5MT	Not Claimed	**2018-19**	51750		51750	103500					
91	DCIPS	TRENCH LINER:COMP. ASSLY	Not Claimed	**2018-19**			0	79600					
92	AUTOMATIC ELECTRIC LTD	6.6KV CT 50/1/1A. 10VA,CL:1/15VA,5P15.	Not Claimed	**2018-19**			0	48930					48930
93	MERRICK INDUSTRIES PVT LTD	SIGNAL I/P MODULE OF SCR CONTR-M22419-	Not Claimed	**2018-19**	12634		12634	0					
94	FEC INDIA PVT LTD	GB:FAIRFIELD:W10D2505123:COMP ASSY	Not Claimed	**2018-19**			0	154560					
95	NEW ALLENBERRY WORKS	SPEED REDUCER	Not Claimed	**2018-19**			0	0					
96	WPIL LTD	JTC-12GM:COMP.PUMP ASSY.	Not Claimed	**2018-19**	57265		57265	0					
97	WPIL LTD	GM16TC:COMP ASSLY	Not Claimed	**2018-19**	45844		45844	0					
98	WPIL LTD	PUMP:HEAD(10-20M):FLOW(1000-2000M3/HR)	Not Claimed	**2018-19**	79668		79668	0					
99	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	**2018-19**			0	0					
100	UDYOGINI MARKETING AND SERVICES	ST. BATTERY SET;120NO CELLS;1000AH;240	Not Claimed	**2018-19**			0	0					
101	RAMPUR ENGINEERING CO. LTD.	1400:ND PULLEY DXL 500X1600 SHAFT D115	Not Claimed	**2018-19**			0	29400					
102	Clyde Pumps India Pvt Ltd	FA1B56:COMPLETE PUMP ASSY.	Not Claimed	**2018-19**			0	0					
103	ABB India Limited	REACTOR DIFF RELAY SCHEME RADHA,ABB	Not Claimed	**2018-19**			0	1252638					
104	HINDUSTHAN ENGINEERING & INDUSTRIES	BOBR COMPLETE WAGON	Allowed	**2018-19**			0	0					
105	Clyde Pumps India Pvt Ltd	FA1B75:COMPLETE PUMP ASSY.	Not Claimed	**2018-19**	224640	91600	316240	0					
106	ABB India Limited	ELECT.ACTUATOR: RHD1250,WITH ACCSR; AB	Not Claimed	**2018-19**			0	306000					
107	SUMESH PETROLEUM	FILTER M/C	Not Claimed	**2018-19**			0	0					
108	ABB India Limited	ELEC LEVER ACT(220V) FOR BFP SCOOP	Not Claimed	**2018-19**			0	75719					
109	NEW ALLENBERRY WORKS	GB:GR-113.006:1:COMP ASSY:	Not Claimed	**2018-19**			0	0					
110	TALSALES PVT LTD	SCREW COMPRESSOR	Not Claimed	**2018-19**			0	0					
111	BHARAT HEAVY ELECTRICALS LTD	MOTR 1SQL6.6KV:600-605KW:6P:B3 TEFC HF	Not Claimed	**2018-19**			0	0					
112	GEECO ENERCON PVT LTD	HOT END SECTOR PLATE ASLY,AIR PREHEAT	Not Claimed	**2018-19**			0	0					
113	SUMESH PETROLEUM	COMPRESSOR+AIR DRYING UNIT	Not Claimed	**2018-19**		62245	62245	0					
114	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	**2018-19**			0	0					
115	FLOWSERVE SANMAR LTD.	APTO-3.750":MECHANICAL SEAL COMP.ASSY	Not Claimed	**2018-19**			0	0					
116	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	**2018-19**			0	4164270					
117	KC COTTRELL CO LTD	R&Retrofittings 0f ESP ST-I (Unit-I)	Claimed	**2018-19**			0	0					
118	HIGHGROUND ENERGY PVT LTD	4 X 10 KW Solar PV Grid	Not Allowed	**2018-19**			0	0					
119	EMKAY ENTERPRISES	A45-FG:COMPLETE ASSY	Not Claimed	**2018-19**	446571	91137	537708	0					
120	Electro Zavod India Pvt Ltd	SUSPENDED MAGNTC.SEPARTR:SMNR1-165/40	Not Claimed	**2018-19**	129800		129800	0					
121	NEW ALLENBERRY WORKS	COMP.ASSY.-HORIZONTAL-1450:31.46:1/46.	Not Claimed	**2018-19**	36690	10210	46900	0					
122	JITENDRA NATH BARDHAN	Strengthening of MGR Track	Claimed	**2018-19**			0	54492					
123	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2018-19**	-3429722		-3429722	0					
124	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2018-19**	29587		29587	66864					
125	BHARAT HEAVY ELECTRICALS LTD	HPCV SERVOMOTOR DRG:01140201000/0	Not Claimed	**2018-19**			0	0					
126	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	**2018-19**			0	0					
127	ABB India Limited	RELY NUM:220V DC:DIFF-RELY,2-W XYMR	Not Claimed	**2018-19**			0	33016					
128	SCHENCK PROCESS SOLUTIONS	BELT DRIVE REDUCER FOR STOCK COAL FEED	Not Claimed	**2018-19**			0	0					
129	Clyde Pumps India Pvt Ltd	JOURNAL BRG.HALF:NDE#75-WEIR BFP-FK4E3	Not Claimed	**2018-19**			0	0					
130	Clyde Pumps India Pvt Ltd	THRUST BRG#78-WEIR BFP-PR.PUMP:FK4E36	Not Claimed	**2018-19**			0	0					
131	ABB India Ltd.	MDBFP SCOOP ELECTRONIC PWR UNIT KE-3	Not Claimed	**2018-19**			0	47200					
132	BHARAT HEAVY ELECTRICALS LTD	IMPELLER BLADES TP971607240000	Not Claimed	**2018-19**			0	0					
133	BHARAT HEAVY ELECTRICALS LTD	450KW,SCIM,3PH,6.6KV,988 RPM,TEFC	Not Claimed	**2018-19**			0	0					
134	BHARAT HEAVY ELECTRICALS LTD	MOTR 1SQL6.6KV:280KW:4P:B3TEFC:ILA7560	Not Claimed	**2018-19**			0	0					
135	SHREEVARI ENERGY SYSTEMS PVT LTD	COLD END SECTOR PLATE ASSLY FOR SAPH	Not Claimed	**2018-19**	49600	12400	62000	0					
136	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	**2018-19**			0	0					
137	ABB India Limited	NUMERICAL DISTANCE PROTECTION RELAY	Not Claimed	**2018-19**			0	0					
138	EASTERN INDIA ENTERPRISE	Up gradation of DDCMIS ST-II	Allowed	**2018-19**	42735		42735	0					
139	THE BABCOCK & WILCOX COMPANY	C.F.S LIGHTER ASSY,7587G100 **(CAP/03)	Not Claimed	**2018-19**			0	0					
140	THE BABCOCK & WILCOX COMPANY	MPS 89G:BALL SCREW JACK ASSY 74" STROK	Not Claimed	**2018-19**			0	126161					
141	THE BABCOCK & WILCOX COMPANY	MPS 89G:HIGH SPEED SHAFT	Not Claimed	**2018-19**			0	0					
142	THE BABCOCK & WILCOX COMPANY	MPS 89G:PORTABLE HYDRAULIC POWER UNIT	Not Claimed	**2018-19**			0	0					
143	Kingsbury Inc	THRUST PADS SET FOR 56 BV SERIES 1000	Not Claimed	**2018-19**			0	0					
144	THE BABCOCK & WILCOX COMPANY	MPS 89G:RING SEAT FOR MILL	Not Claimed	**2018-19**			0	89055					
145	THE BABCOCK & WILCOX COMPANY	MPS 89G:ROLL WHEEL SEAL AIR ASSY.	Not Claimed	**2018-19**			0	0					
146	METSO ASIA PACIFIC PTE LTD	915A:CAGE FRAME ASSY	Not Claimed	**2018-19**			0	0					
147	TLT TURBO GMBH	SHAFT WITH BEARING ASY-FD FAN AP1 26/	Not Claimed	**2018-19**			0	156					156
148	TLT TURBO GMBH	SHAFT&BEARING ASY-PA FAN AP 2 20/12	Not Claimed	**2018-19**			0	0					
149	TLT TURBO GMBH	HAFT DRG.NO-KKK 16260161320	Not Claimed	**2018-19**			0	0					
150	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	**2019-20**			0	77554					6188

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	Discharge during the year 2022-23		Total discharge	Undischarged liabilities relating to GB 31.03.2023	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2023-24 as per annexure I B-column 9	Contractors ERV updation	Discharge during t
151	P S JIVRAJ & CO	AERIAL TOWER WAGON	Not Claimed	2019-20			0	218400					
152	GE T & D INDIA LTD	NUMERICAL MULTIFUNCTION RELAY,GEN 100	Not Claimed	2019-20	2779225		2779225	0					
153	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	2019-20			0	0					
154	SCHNEIDER ELECTRIC INFRASTRUCTURE	NUMERICAL FEEDER PROTECTION RELAY 1A	Not Claimed	2019-20	275412		275412	44813					
155	EMERSON PROCESS MANAGEMENT	REHEATR SPRAY CONTRL GLOBEV/V,CAPITALI	Not Claimed	2019-20			0	101955					
156	BHARAT HEAVY ELECTRICALS LTD	TUBE SYSTEM FOR SEAL OIL COOLER 210MW	Not Claimed	2019-20			0	0					
157	MODERN COMMERCIAL CORPORATION	FLENDER:SDO250:COMP ASMBLY	Not Claimed	2019-20			0	0					
158	CESARE BONETTI INTERNATIONAL PVT LT	8"G/VV PN420:COMPLETE VALVE ASSY.:	Not Claimed	2019-20			0	0					
159	Delta Automation	CAM CLUTCH BOX(C.W)SIZE0860	Not Claimed	2019-20			0	0					
160	REINEKE ENGINEERING PVT LTD	COMPLETE ACTUATOR LEAK/SEAL STEAM ACT	Not Claimed	2019-20			0	0					
161	Y CUBE ENGINEERED SOLUTIONS PVT LTD	ROTARY CYL.ACTUATOR: GS16-PC12; DEZUR	Not Claimed	2019-20	103918		103918	0					
162	GLOBAL UDYOG	FLUID COUPLING:41SCR24X COM ASSY PEMB	Not Claimed	2019-20			0	0					
163	KIRLOSKAR BROTHERS LTD	BHR35-22 1/2DEG:COMP.PUMP ASSLY	Not Claimed	2019-20			0	0					
164	BOSTIN ENGINEERS PVT LTD	ECONOMISER-I COIL OF 210MW BOILER	Not Claimed	2019-20			0	668500					
165	BHARAT HEAVY ELECTRICALS LTD	IMPELLER FOR ID FAN ST I	Not Claimed	2019-20			0	0					
166	FLOWSERVE SANMAR LTD.	FK4E36:MECHANICAL SEAL (DE)	Not Claimed	2019-20			0	0					
167	CG POWER AND INDUSTRIAL SOLUTIONS	CHP MOTOR 6.6 KV, 280 KW	Not Claimed	2019-20			0	0					
168	Clyde Pumps India Pvt Ltd	TDBFP BOOSTER PUMP ROTOR ASSEMBLY	Not Claimed	2019-20			0	0					
169	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	2019-20			0	0					
170	ALLWEILER INDIA PVT. LTD.	SNH 210R 46/U7W 3:COMP.PUMP ASSLY	Not Claimed	2019-20			0	0					
171	ALLWEILER INDIA PVT. LTD.	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	2019-20			0	0					
172	KSB MIL CONTROLS LIMITED	SH SPRAY BRANCH BLOCK V/V PART NO.SD4	Not Claimed	2019-20			0	0					
173	KSB MIL CONTROLS LIMITED	SH SPRAY COMMON BLOCK V/V PART NO.SD3	Not Claimed	2019-20			0	0					
174	KSB MIL CONTROLS LIMITED	SH SPRAY BYPASS CONTROL V/V PART NO.SD	Not Claimed	2019-20			0	0					
175	ELECON ENGINEERING CO LTD	HM263/264:HYD. CYLINDER	Not Claimed	2019-20			0	39499					
176	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	2019-20			0	0					
177	P S JIVRAJ & CO	ACB,4000A,3P,60KA,CATEGORY-B, 220VDC	Not Claimed	2019-20			0	54000					
178	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	2019-20	8682508		8682508	0					
179	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	2019-20			0	146540					
180	M/S ABB LTD.	SUPPLY OF DAS PACKAGE	Not Claimed	2019-20			0	949190					
181	CE TESTING COMPANY PVT LTD	Geotechnical Investigation at Nishindra Ash Dyke Lagoon-I&II	Claimed	2019-20	228268		228268	0					
182	MODERN COMMERCIAL CORPORATION	ACB 3PH 650V 1600A SIEMENS MAKE	Not Claimed	2019-20	75888		75888	327568					
183	BHARAT HEAVY ELECTRICALS LTD	GENERATOR SEAL BODY EXCITER END	Not Claimed	2019-20	20400		20400	0					
184	BHARAT HEAVY ELECTRICALS LTD	VALVE CONE DRG.01230401000C/08	Not Claimed	2019-20	50627		50627	0					
185	GE OIL & GAS INDIA PRIVATE LIMITED	FK4E36:BFP RC VALVE ASSY	Not Claimed	2019-20		58636	58636	0					
186	VOITH TURBO PVT LTD	VOITH:1780 SVNL 21-80G:THRUST BRG- 3	Not Claimed	2019-20		44619	44619	0					
187	Delta Automation	CAM CLUTCH BOX(C.C.W),SIZE0860	Not Claimed	2019-20		20528	20528	0					
188	SBM ENTERPRISE	COMPLETE BOWL ASSY.IN ASSEMBLED CONDIT	Not Claimed	2019-20	78582		78582	0					
189	BHARAT HEAVY ELECTRICALS LTD	MAIN SHAFT FOR ID FAN ST-I	Not Claimed	2019-20	104664		104664	0					
190	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER46U7.4W3:PUMP CARTRIDGE	Not Claimed	2019-20		15510	15510	0					
191	SIEMENS LTD	ACB 3PH 650V 1600A SIEMENS MAKE	Not Claimed	2019-20	637200		637200	0					
192	Stahl Cranesystems Gmbh	DMWC:PRECISION HOISTING GEAR	Not Claimed	2019-20			0	22644					
193	ALLWEILER INDIA PVT. LTD.	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	2019-20			0	21842					
194	BHARAT HEAVY ELECTRICALS LTD	DPU-4F PRIMARY PROCESSOR: ED69230D401	Not Claimed	2019-20			0	0					
195	BHARAT HEAVY ELECTRICALS LTD	DPU-4F SECONDARY.PROCESSOR: ED69230D4	Not Claimed	2019-20			0	0					
196	Senorita Marketing PVT LTD	CARTRIDGE ASSY PDHU70 CAPT03RT NO.SD4	Not Claimed	2019-20			0	0					
197	BHARAT HEAVY ELECTRICALS LTD	C&I System for FSTPP_Under R&M_St-I(Unit#3)	Not Allowed	2020-21	2101625		2101625	574122					88160
198	KC COTTRELL CO LTD	R&Retrofittings 0f ESP ST-I (Unit-I)	Claimed	2020-21	17544900		17544900	8998409					5728983
199	NTPC GE POWER SERVICES PRIVATE	RLA study of Critical Piping-Stage-I (Unit#II)	Not Allowed	2020-21			0	0					
200	AUMA INDIA PVT LTD	Replacement of Electrical Actuators under R&M U#II	Not Allowed	2020-21	1770000		1770000	0					
201	OTIS ELEVATOR	TENDER CODE:ELEVATOR-900KG	Not Allowed	2020-21			0	0					
202	OTIS ELEVATOR	TENDER CODE:ELEVATOR-1500KG	Not Allowed	2020-21	204153		204153	2652325					
203	BEACON ELEVATOR CO PVT LTD	TC:ELEVATOR-1000KG	Not Allowed	2020-21			0	350000					
204	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	2020-21			0	2800000					
205	OTIS ELEVATOR	TENDER CODE:ELEVATOR-900KG	Not Allowed	2020-21			0	0					
206	THE BABCOCK & WILCOX COMPANY	MPS 89G:WHEEL	Not Claimed	2020-21			0	851846					
207	TLT TURBO GMBH	BLADE DRG.NO-KKK16201260034(1) (ANSALD	Not Claimed	2020-21		407645	407645	2071					2070.70
208	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE ASSY(MK-1) INSULATED	Not Claimed	2020-21			0	1482164					
209	THE BABCOCK & WILCOX COMPANY	MPS 89G:HEAT EXCHANGERILL	Not Claimed	2020-21			0	267771					
210	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:SILENCER	Not Claimed	2020-21			0	64885					
211	WPIL LTD	C24TC:COMPLETE ASSY	Not Claimed	2020-21			0	0					
212	RANCHI ELECTRICALS	10/8FFAH:COMPLETE ASSY	Not Claimed	2020-21			0	96753					
213	BHARAT HEAVY ELECTRICALS LTD	DRIVE CONTROL MODULE 69205DSZAB MAX-DN	Not Claimed	2020-21	16425		16425	0					
214	INCOTECH AUTOMATION SOLUTIONS	MINI PLC,MAKE:GE-FANUAC,CAT.:IC693PCM3	Not Claimed	2020-21			0	2322750					
215	BHARAT HEAVY ELECTRICALS LTD	MDL CE69202ASYNA 7VE2146-1, ED74040012	Not Claimed	2020-21			0	28241					
216	VISSION AUTOMATION PVT LTD	UNITY CPU MODULE: 140CPU67160; SHNEIDE	Not Claimed	2020-21			0	0					
217	BHARAT HEAVY ELECTRICALS LTD	SEAL OIL DIFFERENTIAL PRESSURE REGULATOR	Not Claimed	2020-21			0	586000					
218	TLT TURBO GMBH	ID FAN SHAFT (CAPT/03) (ANSALDO)	Not Claimed	2020-21			0	0					
219	FEC INDIA PVT LTD	GB:FAIRFIELD:W10D2505123:COMP ASSY	Not Claimed	2020-21			0	0					
220	ALLWEILER INDIA PVT. LTD.	T3SA 38/42:COMPLETE PUMP ASSY	Not Claimed	2020-21			0	0					
221	GE OIL & GAS INDIA PRIVATE LIMITED	PNEUMATIC ACTUATORS SIZE 18INCH	Not Claimed	2020-21			0	32156					
222	Kingsbury Inc	BEARING HOUSING FOR SAPH ST II	Not Claimed	2020-21			0	0					
223	Kingsbury Inc	PAPH SUP BRG.KINGSBURI,41BV,450(ANSALD	Not Claimed	2020-21			0	0					
224	LAXMI ENGINEERING INDUSTRIES	COMPLETE TUBE NEST OF MAIN EJECTOR210M	Not Claimed	2020-21			0	0					
225	BHARAT HEAVY ELECTRICALS LTD	GENERATOR BEARING EE 91390101000-00	Not Claimed	2020-21			0	58262					
226	SHRI BALAJI INDUSTRIAL PRODUCTS	WORM SHAFT+WORM GEAR+LOCK NUTS XRP-803	Not Claimed	2020-21			0	0					
227	SHRI BALAJI INDUSTRIAL PRODUCTS	GRINDING ROLL SET FOR XRP 803 MILL	Not Claimed	2020-21			0	0					
228	TRIDENT EQUIPMENTS PVT LTD	CHLORIDE ANALYSER - COMPLETE	Not Claimed	2020-21			0	0					
229	THE BABCOCK & WILCOX COMPANY	MPS 89G:RING SEAT FOR MILL	Not Claimed	2020-21			0	1066075					
230	FLUIDOMAT LTD	F.C:FLUIDOMAT:FCU T12/13:COMP ASSY	Not Claimed	2020-21			0	0					
231	1139299 ROCKWELL AUTOMATION INDIA PVT LTD	M95670520 26N ALLEN BRADLEY PROCESSOR P/N: PLC 5/40	Not Claimed	2020-21	249000		249000	0					
232	THE BABCOCK & WILCOX COMPANY	MPS 89G:WHEEL	Not Claimed	2020-21			0	0					
233	SIEMENS LTD	SEALING RING DRG:11051410008/06	Not Claimed	2020-21			0	0					
234	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE ASSY(MK-1) INSULATED	Not Claimed	2020-21			0	0					

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	Discharge during the year 2022-23		Total discharge	Undischarged liabilities relating to GB 31.03.2023	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2023-24 as per annexure I B-column 9	Contractors ERV updation	Discharge during t
235	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE SEAL HOUSING	Not Claimed	2020-21			0	0					
236	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	2020-21			0	0					
237	THE BABCOCK & WILCOX COMPANY	MPS 89G:SPRING FRAME	Not Claimed	2020-21			0	0					
238	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	2020-21			0	0					
239	THE BABCOCK & WILCOX COMPANY	MPS 89G:SPRING FRAME	Not Claimed	2020-21			0	0					
240	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	2020-21			0	2267570					2067570
241	JITENDRA NATH BARDHAN	Strengthening of MGR Track	Claimed	2020-21			0	0					
242	C&S ELECTRIC LTD	Procurement of Supply and Retrofitting of LT Air circuit Breaker	Not Allowed	2021-22	2657489	151409	2808898	0					
243	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-IV)	Claimed	2021-22	92126353		92126353	6850323					6569576
244	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-IV)	Claimed	2021-22	2477432		2477432	0					
245	KC COTTRELL CO LTD	R&Retrofittings 0f ESP ST-I (Unit-III)	Claimed	2021-22	4598659		4598659	6253404					1342280
246	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	2021-22			0	4305861					
247	SHRI BALAJI INDUSTRIAL PRODUCTS	GRINDING ROLL SET FOR XRP 803 MILL	Not Claimed	2021-22	2268000		2268000	0					
248	BHARAT HEAVY ELECTRICALS LTD	IMPELLER BLADES BLADE BEARING ASSEMBLY	Not Claimed	2021-22	5220202		5220202	0					
249	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:BLADE BRG. ASSY.	Not Claimed	2021-22	436910		436910	0					
250	BHARAT HEAVY ELECTRICALS LTD	SHAFT&BEARING ASY-PA FAN AP 2 20/12	Not Claimed	2021-22	6939330		6939330	0					
251	BHARAT HEAVY ELECTRICALS LTD	BLADE FOR AP2-20/12,P.A. FAN	Not Claimed	2021-22			0	230829					
252	BHARAT HEAVY ELECTRICALS LTD	RADIAL THRUST BRG D380X290 01170327000	Not Claimed	2021-22	11314549		11314549	0					
253	BHARAT HEAVY ELECTRICALS LTD	JOURNAL BRG D450X450 DRG:11181841000/0	Not Claimed	2021-22	8899524		8899524	0					
254	BMW STEELS LTD	MPS 89G:CERAMIC CONE ASSY. WITH FASTN	Not Claimed	2021-22			0	16337					
255	EIP ENVIRO LEVEL CONTROL PVT LTD	3D- BUNKER LEVEL MEAUSREMENT SYSTEM	Not Claimed	2021-22			0	638892					
256	LIMITORQUE INDIA LTD	Replacement of Elect Actuators under R&M_U#I&III	Not Allowed	2021-22	3857013		3857013	0					
257	LIMITORQUE INDIA LTD	Replacement of Elect Actuators under R&M_U#I&III	Not Allowed	2021-22	5462834		5462834	0					
258	NTPC GE POWER SERVICES PRIVATE	RLA study of Critical Piping-Stage-I (Unit#I)	Not Allowed	2021-22	342161		342161	0					
259	THE ENERGY & RESOURCES INSTITUTE	BIO-METHANATION PLANT IN TOWNSHIP	Claimed	2021-22			0	116400					
260	UT PUMPS & SYSTEMS PV	W6.4ZK75:COMP PUMP ASSY	Not Claimed	2021-22	1680075		1680075	0					
261	SIEMENS LTD	JOURNAL BRG D500X450 DRG:01181402000/0	Not Claimed	2021-22	136290		136290	0					
262	BHARAT HEAVY ELECTRICALS LTD	Mega R&M of C&I System_St-I(Unit#1)	Not Allowed	2021-22	8674276		8674276	0					
263	KSB PUMPS LTD	COMPLETE ASSEMBLY OF CONTROL FLUID PUM	Not Claimed	2021-22			0	1862400					
264	CONTROL COMPONENT INDIA PVT LTD	ACTUATOR ASM 250-10; PN. 103.152.131.2	Not Claimed	2021-22	917253		917253	0					
265	GE T & D INDIA LTD	RELAY PANEL	Not Claimed	2021-22	17500		17500	17500					
266	MINIMAC SYSTEMS PVT LTD	FILTER M/C	Not Claimed	2021-22			0	40100					
267	DHULIYAN BIDHABA MAHILA KALIAN	R&M of FH IV & VII in FH Township	Not Allowed	2021-22	602468		602468	1702468					1702468
268	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	2021-22	731182		731182	0					
269	BHARAT HEAVY ELECTRICALS LIMITED	MPS 89G:CERAMIC CONE ASSY. WITH FASTN	Not Claimed	2021-22			0	32754					32754
270	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	2021-22			0	400000					
271	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	2021-22			0	160000					
272	THE BABCOCK & WILCOX COMPANY	MPS 89G:GEAR DRIVE	Not Claimed	2021-22			0	3016552					2112001
273	SUNAG CORPORATION(USA)	GB:CONE DRIVE:SR60A322:COMP ASSY	Not Claimed	2021-22			0	5654672					
274	NEW ALLENBERRY WORKS	GB:CSB:450:COMPL ASSY	Not Claimed	2021-22	1906222		1906222	1543					
275	ELECON ENGINEERING CO LTD	ELECON:NK-KCU200:COMPL GEAR BOX ASSY	Not Claimed	2021-22			0	44588					
276	ELECON ENGINEERING CO LTD	HM263/264:BW SHAFT COMPLETE ASSY	Not Claimed	2021-22			0	63881					
277	SIEMENS LTD	RG3-S:SINAMICS S120 SINGLE MOTOR MODUL	Not Claimed	2021-22			0	3594					1924
278	CONTROL COMPONENT INDIA PVT LTD	ELECTRO-HYDRAULIC ACTUATOR ASM200-10	Not Claimed	2021-22			0	408898					408898
279	TRF LTD	E-13:VIBRATING ASSEMBLY	Not Claimed	2021-22	4698887	398211	5097098	0					
280	BHARAT HEAVY ELECTRICALS LTD	INLET INSERT DRG:01051402000/001	Not Claimed	2021-22	840868		840868	0					
281	WPIL LTD	RF24TC:COMP ASSY	Not Claimed	2021-22			0	19550					
282	SIEMENS LTD	BREECH NUT DRG:11051409000/03	Not Claimed	2021-22	8964177		8964177	0					
283	ALLWEILER INDIA PVT. LTD.	COMPLETE CARTRIDGE ASSY FOR HFO PUMP	Not Claimed	2021-22			0	18692					
284	WPIL LTD	JTC-12GM:BOWL ASSLY	Not Claimed	2021-22			0	10125					
285	BHARAT HEAVY ELECTRICALS	CCS BLOBE VALVE 65MM HAND OPERATED	Not Claimed	2021-22	864586		864586	196338					
286	BHARAT HEAVY ELECTRICALS LTD	DRIVE CONTROL MODULE 69205DSZAB MAX-DN	Not Claimed	2021-22			0	62963					
287	BHARAT HEAVY ELECTRICALS LTD	DPU4F PRIM.PROCESR: ED69230D406D; BHEL	Not Claimed	2021-22			0	3140					3140
288	LMG HYDRO PNEUMATICS	A4VG125EP2DM1:COMP.PUMP ASSLY.	Not Claimed	2021-22	967005		967005	0					
289	SCHNEIDER ELECTRIC INFRASTRUCTURE	Supply and Retrofitting of 6.6 KV VCB	Not Allowed	2021-22	367536		367536	0					
290	THE BABCOCK & WILCOX COMPANY	MPS 89G:PORTABLE HYDRAULIC POWER UNIT	Not Claimed	2021-22			0	859408					
291	LOTUS CONSTRUCTION COMPANY	2ND RAISING OF KENDUA ASH DYKE LAGOON-I	Claimed	2021-22				3362157					1631079
292	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	2022-23				185024					
293	BHARAT HEAVY ELECTRICALS LTD	C&I System for FSTPP Under R&M St-I(Unit#1)	Not Allowed	2022-23				495427					
294	ABB India Limited	AGC Implementation work	Claimed	2022-23				300282					
295	ALIKRAFT ENGINEERS PVT LTD	Elevator at TP-11 of CHP	Not Allowed	2022-23				388000					388000
296	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-V)	Claimed	2022-23				64080868					46000640
297	BHARAT HEAVY ELECTRICALS LTD	PLUNGER COIL FOR HP,LP CONTROL VALVES	Not Claimed	2022-23				764152					
298	CG POWER AND INDUSTRIAL	BUS DCT&ACCES CURNTTRANSFOR132KVTELK	Not Claimed	2022-23				449000					449000
299	STATIC SYSTEMS ELECTRONICS PVT LTD	ACOUSTIC LEAK DETECTION SYSTEM- COMPLE	Not Allowed	2022-23				279200					
300	TECHNO SERVICES ENGINEERING	MOTR 1SQL6.6KV:1650KW:6P:B3-TETV:CT630	Not Claimed	2022-23				1602000					1602000
301	BHARAT HEAVY ELECTRICALS LTD	MAIN SHAFT FOR ID FAN ST-I	Not Claimed	2022-23				7155660					6369567
302	BHARAT HEAVY ELECTRICALS LTD	SHAFT WITH BEARING ASY-FD FAN AP1 26/	Not Claimed	2022-23				952907					880658
303	BHARAT HEAVY ELECTRICALS LTD	SEALING RING (IN 6 PARTS) 01050509000	Not Claimed	2022-23				117307					
304	WAM INDIA PVT LTD	ZAMBA15N14021:COMP ASSLY	Not Claimed	2022-23				61720					
305	P S ENTERPRISE	MATL-14E02:99-TAS-80	Not Claimed	2022-23				249440					
306	KIRLOSKAR BROTHERS LTD	COMPLETE BOWL ASSY.IN ASSEMBLED CONDIT	Not Claimed	2022-23				74684					
307	KIRLOSKAR BROTHERS LTD	BOWL ASSEMBLY OF STG-I CWP	Not Claimed	2022-23				86400					
308	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	2022-23				7970320					
309	THE BABCOCK & WILCOX COMPANY	MPS 89G:TOP HOUSING ASSY.	Not Claimed	2022-23				32334861					26925184
310	BHARAT HEAVY ELECTRICALS LTD	CCS GLOBE VALVE 65MMMOTORIESED	Not Claimed	2022-23				233648					
311	VOITH TURBO PVT LTD	VOITH:1780 SVNL 21-80G:COMPLETE ASSEMB	Not Claimed	2022-23				478161					
312	BHARAT HEAVY ELECTRICALS LTD	POWR SUPLY AC/DC CNVRTR 'KX9180A' ;DVR	Not Claimed	2022-23				98955					
313	SHRI BALAJI INDUSTRIAL PRODUCTS	MPS 89G:TIRE (VAM-20)	Not Claimed	2022-23				4380160					4380160
314	SUNAG CORPORATION	GB:CONE DRIVE:SR60A322-C1:COMP ASSY	Not Claimed	2022-23				292362					
315	DEZURIK INC	PEC-ECC-14":COMPL. V/V ASSY.	Not Claimed	2022-23				132900					
316	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER46U7.4W3:PUMP CARTRIDGE	Not Claimed	2022-23				17374					
317	AISHWARYA TECHNOLOGIES AND	UNDERGROUND WIRE & PIPE LOCATOR: LKZ15	Not Claimed	2022-23				277300					268900
318	KSB MIL CONTROLS LIMITED	REHEATER SPRAY CONT.VALVEOR41,44,47,50	Not Claimed	2022-23				177864					172000

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	Discharge during the year 2022-23		Total discharge	Undischarged liabilities relating to GB 31.03.2023	CAPITALISATION	Reference in Annexure-IB	liability in additional capitalisation for 2023-24 as per annexure I B-column 9	Contractors ERV updation	Discharge during t
319	KSB MIL CONTROLS LIMITED	REHEATER SPRAY CONT.VALVEOR41,44,47,50	Not Claimed	2022-23				45388					
320	BHARAT HEAVY ELECTRICALS LTD	K1401-2:LPC VALVE 200/125/U-2:COMP.ASS	Not Claimed	2022-23				153203					
321	WPIL LTD	JTC-12GM:COMP.PUMP ASSY.	Not Claimed	2022-23				146989					146989
322	SCHENCK PROCESS SOLUTIONS	BELT DRIVE REDUCER FOR STOCK COAL FEED	Not Claimed	2022-23				12064320					12064320
323	KAREYN PRECISION MACHINES PVT LTD	PLUNGER COIL FOR HP,LP CONTROL VALVES	Not Claimed	2022-23				1167547					
324	HACH DHR INDIA PRIVATE LIMITED	ONLINE SILICA ANALYSER RANGE:0-5000PPB	Not Claimed	2022-23				1298000					1298000
325	FLOWMORE LTD	5824-125X100:COMP.PUMP ASSLY	Not Claimed	2022-23				10331					
326	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:SHAFT +BRG. ASSY	Not Claimed	2022-23				600000					
327	BHARAT HEAVY ELECTRICALS LTD	SERVO MOTOR ASSLY FOR F.D.FAN	Not Claimed	2022-23				577019					
328	BHARAT HEAVY ELECTRICALS LTD	AUX GEN AG-51/M FOR BHEL WDM-2 CLASS	Not Claimed	2022-23				14436					
329	BHARAT HEAVY ELECTRICALS LTD	TUBE SYSTEM FOR SEAL OIL COOLER 210MW	Not Claimed	2022-23				8609122					8609122
330	NEW ALLENBERRY WORKS	GB:N.ALLENBERY:CSB:450:COMP ASSY	Not Claimed	2022-23				3629634					3629634
331	AUMA INDIA PVT LTD	ELECT.ACTUATOR: SA14.6/AM02.1-F14-ON/O	Not Claimed	2022-23				1803600					1803600
332	BHARAT HEAVY ELECTRICALS LTD	DLWSPR:TRACTION MOTOR WITH PINION	Not Claimed	2022-23				16975489					16975489
333	BEML LIMITED	BD-155:TRACK SHOE ASSY	Not Claimed	2022-23				2537000					2537000
334	Hamon Research-cottrell	MICRO PROCESSOR POWER BOARD,P/N:307801	Not Claimed	2022-23				4789277					1924374
335	MARATHON ELECTRIC MOTORS INDIA LTD	3P IM; 415V;110 KW;1475 RPM;TYPE:TFO;	Not Claimed	2022-23				1259006					1259006
336	WPIL LTD	Procurement of WPIL make BAHP pump comp assembly	Not Claimed	2023-24					3559027		301613		
337	WPIL LTD	Supply of WPIL make Pumps and spares for Offsite Area	Not Claimed	2023-24					2138042		62693		
338	SIEMENS LTD	Procurement of Turbine side spares	Not Claimed	2023-24					1159858		68805		
339	ALFA LAVAL INDIA PRIVATE LTD	PROCUREMENT OF MOT CENTRIFUGE	Not Claimed	2023-24					2873300		143665		
340	MERRICK INDUSTRIES PVT LTD	Up-gradation of St-1 Merrick Coal feeders -18 nos	Claimed	2023-24					26133869		4233600		
341	NEW ALLENBERRY WORKS	Purchase Order for Supply of Gearboxes for CHP	Not Claimed	2023-24					2677144		44960		
342	BHARAT HEAVY ELECTRICALS LTD	SUPPLY OF 10MW BFP MOTOR FOR MDBFP OF STAGE-II UNITS(CAPITAL SPARES).	Not Claimed	2023-24					39718800		778800		
343	BHARAT HEAVY ELECTRICALS LTD	Procurement of Turbine side capital spares	Not Claimed	2023-24					1610562		104343		
344	RANCHI ELECTRICALS	PROCUREMENT OF WEIR WARMAN MAKE COMPLETE ASSEMBLY OF ASH SLURRY PUMP FOR STAGE_1	Not Claimed	2023-24					6332353		160992		
345	MINIMAC SYSTEMS PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine	Not Claimed	2023-24					560000		64258		
346	BHARAT HEAVY ELECTRICALS LTD	Procurement of Rotor & Impellar	Not Claimed	2023-24					498991		494379		
347	GARDNER DENVER NASH LLC	PROCUREMENT OF CONDENSER VACCUM PUMP	Not Claimed	2023-24					11430837		11430837		
348	IGUS INDIA PVT LTD	Retrofitting work of energy chain system in place of CRD includes design, supply, installation & commissioning for Paddle Feeder-1 & 2 of Track Hopper NTPC Farakka	Claimed	2023-24					7611000		637000		
349	S D ENGINEERING WORKS	SUPPLY ERECTION AND COMMISSIONING OF SUSPENDED MAGNET FOR CHP NTPC FARAKKA.	Not Claimed	2023-24					2566500		697500		
350	RAMP DISPLAY SOLUTIONS PVT LTD	PROCUREMENT LED BASED LVS	Not Claimed	2023-24					456999		137100		
351	MECH-WELL INDUSTRIES LTD	Purchase Order for Supply of components of Coal Burner of Stage-I APH Inlet and Outlet Dampers Farakka STPS	Not Claimed	2023-24					1463377		1139850		
352	CG POWER AND INDUSTRIAL	SUPPLY OF CGL MOTORS NTPC FARAKKA	Not Claimed	2023-24					1512760		64100		
353	ESCORTS KUBOTA LIMITED	PURCHASE OF 02 NOS. OF BACKHOE LOADERS AT CHP FOR NTPC FARAKKA	Not Claimed	2023-24					3391406		33745		
354	KLEENOIL FILTERATION INDIA PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine.	Not Claimed	2023-24					110000		18644		
355	KLEENOIL FILTERATION INDIA PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine.	Not Claimed	2023-24					110000		6600		
356	BANARAS LOCOMOTIVE WORKS	Procurement of 04 Nos WDG3A Locomotives for NTPC Farakka	Claimed	2023-24					111591000		111451000		
357	BANARAS LOCOMOTIVE WORKS	Procurement of 04 Nos WDG3A Locomotives for NTPC Farakka	Claimed	2023-24					111591000		111451000		
358	ROYAL INFRACONSTRU LTD	CONSTRUCTION OF NEW TWO LANE ROAD BRIDGE ADJACENT TO THE EXISTING BRIDGE AT RD 8.5 OVER FEEDER CANAL AT FARAKKA	Allowed	2023-24					671364587		0		
	TOTAL ST - I & II				**213153795**	**57516321**	**432046705**	**1174058317**	**1010461410**	**0**	**243525484**	**0**	**159509121**
B	**For assets eligible for ROE at weighted average rate of interest on loan**	**NA**											

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	he year 2023-24 -by reversal	Total discharge	Undischarged liabilities relating to GB 31.03.2024
(1)	(2)	(3)		(4)	(8)	(9)=(7+8)	(10)=(5+6+6A-9)
	for assets eligible for normal ROE						
	Prior to 01.04.2004						
1	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed			0	0
2	RODE KONCAR	UNIT AND STATION TRANSFORMER	Allowed			0	2292491
3	GDC	PILLIN PIPE CAPS FOR STAGE - II, WO - 1955 & 1954	Allowed				
4	IRCON	CONSTRUCTION OF SIMULATANEOUS LINES FOR DESPATCH FACILITIES AT KAMARPUR AND PATHRA STATION	Allowed				
5	NEEL KAMAL	CONSTRUCTION OF PEDSTALS FOR ADD. ASH PIPE LINES ST-I , WO-20115	Allowed				
6	N H CONSTRUCTION	CONSTN OF PEDESTAL AND LAYINNG OF WATER PIPE LINE	Not Allowed				
	TOTAL Prior to 01.04.2004					**0**	**2292491**
7	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed	**2004-05**		0	0
8	Yokogawa ; 40405 / 9034	SUPPLY,INSTAL,EREC.COMMNG.& TESTING OF ON LINE ZIRCONIUM BASED 02 ANALLYSERS	Allowed	**2005-06**		0	0
9	Neo Teletronics ; 94N40694	High Voltage(AC)Test Kit Range to R&M) 2	Allowed	**2005-06**		0	0
10	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Allowed	**2006-07**		0	0
11	GE INDIA INDUSTRIAL PVT.LTD.	MULTI CHANNEL (8 CHANNEL) PORTABLE VIBRATION ANALYSER	Allowed	**2006-07**		0	0
12	EASTERN TRADE CENTRE	SQ.CAGE INDUCTION MOTOR FOR CF PUMP,132KW,240A,3000RPM,415V,INS.CL-F,DUTY-S1,3PH,FRAME-315M`SIEMENS'	Not Claimed	**2006-07**		0	0
13	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Not Allowed	**2007-08**		0	0
14	YOKOGAWA INDIA LIMITED	VIDEOGRAPHIC PAPERLESS REC	Not Claimed	**2007-08**		0	0
15	SOURCE LIGHT BATTERY CO.	BATTERY 12VOLT,75AH SEALED	Not Claimed	**2007-08**		0	0
16	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11, SITE ERV ANSALDO SPA - A0331/ WO-527-AID403, SITE ERV	Not Allowed	**2008-09**		0	0
17	TARAPORE & CO	ASH HANDLING PLANT, Arbitration Award Const Ash Bund, Stage-I, TARAPORE & CO	Allowed	**2008-09**		0	1173292
18	ENERGO ENGG. PROJECTS PVT .TD.	PNEUMATIC OPERATED 500NB K	Not Claimed	**2008-09**		0	0
19	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV RODE KONCAR-439-R0178, SITE ERV	Not Claimed	**2008-09**		0	264658
20	ACCESS COMPUTECH PVTLTD	INSTALLION OF e-ATTENDANCE RECORDING SYSTEM	Not Claimed	**2008-09**		0	0
21	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11, SITE ERV 2009-10 ANSALDO SPA -	Not Allowed	**2009-10**		0	0
22	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2009-10 RODE KONCAR-439-	Not Claimed	**2009-10**		0	0
23	ANSALDO SPA	STEAM GENERATOR & ESP STAGE -II	Not Allowed	**2010-11**		0	0
24	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2009-10 RODE KONCAR-439-	Not Claimed	**2010-11**		0	0
25	NPCC LTD	1ST RAISING OF MALANCHA ASH DYKE LAGOON	Not Allowed	**2010-11**		0	1500000
26	ABB Limited	CURRENT TRANSFORMER,420KV,2000A,5 CORE	Not Claimed	**2010-11**		0	0
27	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2011-12**		0	0
28	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2011-12**		0	1864
29	ANSALDO SPA	STEAM GENERATOR & ESP STAGE -II	Not Allowed	**2012-13**		0	0
30	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2012-13	Not Claimed	**2012-13**		0	76182
31	AREVA T&D INDIA LTD	RELAY PANEL	Not Claimed	**2012-13**		0	0
32	M/S ABB LTD.	SUPPLY OF DAS PACKAGE	Not Claimed	**2013-14**		0	8178424
33	EASTERN INDIA ENTERPRISE	FLY ASH CONCRETE ROAD AT INFRASTRUCTURE AREA	Not Claimed	**2013-14**		0	0
34	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2013-14**		0	0
35	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2013-14**		0	132795
36	SCHNEIDER ELECTRIC INFRASTRUCTURE	M8579150001 VCB:6.6KV:800A:ANY STD MAKE/MODEL	Not Claimed	**2013-14**		0	0
37	JITF WATER INFRASTRUCTURE LTD	Finacial lease-Coal Mat Handling system fkk JITF	Not Allowed	**2013-14**		0	600000000
38	VIKRAM SOLAR PVT LTD	SOLAR POWER GENERATING UNIT	Not Allowed	**2014-15**		0	510
39	RITES LTD	Strenthening of MGR Track	Claimed	**2014-15**		0	2933361
40	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2014-15**		0	0
41	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2014-15**		0	60107
42	ALSTOM T&D INDIA LTD	NUMERICAL MOTOR PROTECTION RELAY 1A	Not Claimed	**2015-16**		0	243048
43	ELECON ENGINEERING CO LT	HM263/264:TRAVEL GEAR UNIT	Not Claimed	**2015-16**		0	0
44	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2015-16**		0	0
45	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2015-16**		0	86432
46	JITF WATER INFRASTRUCTURE LTD	Finacial lease-Coal Mat Handling system fkk JITF	Not Allowed	**2015-16**		0	300000000
47	UTC Fire & Security India Ltd	FIRE DETECTION FOR WAGON TIPPLER PACKAGE	Allowed	**2016-17**		0	3575363
48	K N INTERNATIONAL LTD	4TH RAISING OF NISHINDRA ASH DYKE	Claimed	**2016-17**		0	0
49	Minimax GmbH & Co KG	INERT GAS FIRE EXTINGUISHING SYSTEM	Claimed	**2016-17**		0	3802472
50	JITENDRA NATH BARDHAN	Strenthening of MGR Track	Claimed	**2016-17**		0	0
51	BHARAT HEAVY ELECTRICALS LTD	400KV CVT(CAPITALISED)	Not Claimed	**2016-17**		0	0
52	HBL Power System Ltd	SET OF +/- 26V DC ATRS CHARGERS	Not Claimed	**2016-17**		0	0
53	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-300MM	Not Claimed	**2016-17**		0	0
54	ELECTRO THERAPY	15 T CAPACITY ELECTRIC HOIST	Not Claimed	**2016-17**		0	0
55	Delta Automation	CAM CLUTCH BOX(C.W)SIZE0860	Not Claimed	**2016-17**		0	0
56	IMI NORGREN HERION PVT LTD	VACUUM BREAKER VALVE ASY 31324401000/0	Not Claimed	**2016-17**		0	0
57	GLOBAL UDYOG	G:BOX:VERTICAL:1500RPM:90:1:COMP ASSY	Not Claimed	**2016-17**		0	49350
58	BHARAT HEAVY ELECTRICALS LTD	CONDENSATE EXTRACTION PUMP	Not Claimed	**2016-17**		0	0
59	WPIL LTD	HEAD SHAFT 58 DRG.NO-SK-1528-E	Not Claimed	**2016-17**		0	0
60	MODERN COMMERCIAL CORPORATION	ACB 3PH,650V 1000A,SIEMENS MAKE	Not Claimed	**2016-17**		0	0
61	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2016-17**		0	0
62	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2016-17**		0	0
63	EMERSON PROCESS MANAGEMENT	BASIC PROBE FOR OXYGEN ANALYZER OF 6FE	Not Claimed	**2016-17**		0	0
64	DURAG INDIA INSTRUMENTATION	COMPLETE OPACITY MONITOR	Not Claimed	**2016-17**		0	67416
65	BHARAT HEAVY ELECTRICALS LTD	400KV CVT	Not Claimed	**2016-17**		0	0
66	P S JIVRAJ & CO	ACB,4000A,3P,60KA,CATEGORY-B, 220VDC	Not Claimed	**2016-17**		0	0

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	he year 2023-24	Total discharge	Undischarged liabilities relating to GB 31.03.2024
67	SCHNEIDER ELECTRIC INFRASTRUCTURE	VCB 6.6KV:1600A:ANY MAKE/MODEL	Not Claimed	**2016-17**		0	20440
68	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-200MM	Not Claimed	**2017-18**		45000	0
69	LMG HYDRO PNEUMATICS	ROTOR:REXROTH:A2FM80/61W-VBB010 HYD MO	Not Claimed	**2017-18**		18347	0
70	ARGO TECH INDIA PVT LTD	3HP DC MOTOR,R6520060008	Not Claimed	**2017-18**		0	0
71	SAPS POWER EQUIPMENTS PVT LTD	450MM(FIG950):COMPLETE ASSY.:	Not Claimed	**2017-18**		0	0
72	METAL ALLOYS CORPORATION	CPU:CONDENSER TUBE(DIA-19MM,THK-1MM)	Not Claimed	**2017-18**		0	0
73	SHANTHI GEARS LTD	GEAR BOX:BTN-360-SPL-4 MAKE:SHANTI	Not Claimed	**2017-18**		0	0
74	P S JIVRAJ & CO	AIR CIRCUIT BREAKER RS IS:10027800 A	Not Claimed	**2017-18**		0	0
75	THE INDURE PVT LTD	KNF GV:FLNG-A216/WCB:CL-150:NB-200MM	Not Claimed	**2017-18**		15953	0
76	AUTO PARTS & ACCESSORIES	IMPELLER FOR SEAL AIR FAN ST II	Not Claimed	**2017-18**		0	0
77	LORD VISHWAKARMA HEAT EXCHANGERS	COMPLETE TUBE NEST OF MAIN EJECTOR210M	Not Claimed	**2017-18**		0	0
78	AMICHAND TECHNOLOGICAL PVT LTD	NUMERICAL FEEDER PROTECTION RELAY 1A	Not Claimed	**2017-18**		0	0
79	WATERLINE CORPORATI	3P IM; 415V;110 KW;1475 RPM;TYPE:TFO;	Not Claimed	**2017-18**		0	0
80	SIEMENS LTD	AVR/DVR:DAVR SYSTEM	Not Claimed	**2017-18**		0	0
81	STOCK REDLER INDIA PVT LTD	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	**2017-18**		0	0
82	JITENDRA NATH BARDHAN	Strenthening of MGR Track	Claimed	**2017-18**		0	45642
83	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2017-18**		0	0
84	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2017-18**		0	0
85	DHANBAD ELECTRICALS PVT LTD	2000A,ACB MICRO PROCESSOR BASED 3-POLE	Not Claimed	**2017-18**		0	0
86	TOSHIBA TRANSMISSION & DISTRIBUTION	POWER XYMR 200MVA,400/21KV,DYN11,OFAF	Not Claimed	**2017-18**		0	0
87	BHARAT HEAVY ELECTRICALS LTD	COUPLING BOLT M64 FOR BRG PED.4(CAPT/0	Not Claimed	**2017-18**		0	0
88	CYRUS INFRA TECH PRIVATE LIMITED	ID FAN SCOOP ACTUATOR	Not Claimed	**2017-18**		0	0
89	ALFA LAVAL INDIA PRIVATE LTD	MAB 206:COMPLETE ASSY.	Not Claimed	**2018-19**		0	0
90	ELECTRO THERAPY	EL OP. HOIST-4.01-5.0T:ELECT HOIST 5MT	Not Claimed	**2018-19**		0	103500
91	DCIPS	TRENCH LINER:COMP. ASSLY	Not Claimed	**2018-19**		0	79600
92	AUTOMATIC ELECTRIC LTD	6.6KV CT 50/1/1A. 10VA,CL:1/15VA,5P15.	Not Claimed	**2018-19**		48930	0
93	MERRICK INDUSTRIES PVT LTD	SIGNAL I/P MODULE OF SCR CONTR-M22419-	Not Claimed	**2018-19**		0	0
94	FEC INDIA PVT LTD	GB:FAIRFIELD:W10D2505123:COMP ASSY	Not Claimed	**2018-19**		0	154560
95	NEW ALLENBERRY WORKS	SPEED REDUCER	Not Claimed	**2018-19**		0	0
96	WPIL LTD	JTC-12GM:COMP.PUMP ASSY.	Not Claimed	**2018-19**		0	0
97	WPIL LTD	GM16TC:COMP ASSLY	Not Claimed	**2018-19**		0	0
98	WPIL LTD	PUMP:HEAD(10-20M):FLOW(1000-2000M3/HR)	Not Claimed	**2018-19**		0	0
99	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	**2018-19**		0	0
100	UDYOGINI MARKETING AND SERVICES	ST. BATTERY SET;120NO CELLS;1000AH;240	Not Claimed	**2018-19**		0	0
101	RAMPUR ENGINEERING CO. LTD.	1400:ND PULLEY DXL 500X1600 SHAFT D115	Not Claimed	**2018-19**		0	29400
102	Clyde Pumps India Pvt Ltd	FA1B56:COMPLETE PUMP ASSY.	Not Claimed	**2018-19**		0	0
103	ABB India Limited	REACTOR DIFF RELAY SCHEME RADHA,ABB	Not Claimed	**2018-19**		0	1252638
104	HINDUSTHAN ENGINEERING & INDUSTRIES	BOBR COMPLETE WAGON	Allowed	**2018-19**		0	0
105	Clyde Pumps India Pvt Ltd	FA1B75:COMPLETE PUMP ASSY.	Not Claimed	**2018-19**		0	0
106	ABB India Limited	ELECT.ACTUATOR: RHD1250,WITH ACCSR; AB	Not Claimed	**2018-19**		0	306000
107	SUMESH PETROLEUM	FILTER M/C	Not Claimed	**2018-19**		0	0
108	ABB India Limited	ELEC LEVER ACT(220V) FOR BFP SCOOP	Not Claimed	**2018-19**		0	75719
109	NEW ALLENBERRY WORKS	GB:GR-113.006:1:COMP ASSY:	Not Claimed	**2018-19**		0	0
110	TALSALES PVT LTD	SCREW COMPRESSOR	Not Claimed	**2018-19**		0	0
111	BHARAT HEAVY ELECTRICALS LTD	MOTR 1SQL6.6KV:600-605KW:6P:B3 TEFC HF	Not Claimed	**2018-19**		0	0
112	GEECO ENERCON PVT LTD	HOT END SECTOR PLATE ASLY,AIR PREHEAT	Not Claimed	**2018-19**		0	0
113	SUMESH PETROLEUM	COMPRESSOR+AIR DRYING UNIT	Not Claimed	**2018-19**		0	0
114	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	**2018-19**		0	0
115	FLOWSERVE SANMAR LTD.	APTO-3.750":MECHANICAL SEAL COMP.ASSY	Not Claimed	**2018-19**		0	0
116	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	**2018-19**		0	4164270
117	KC COTTRELL CO LTD	R&Retrofittings 0f ESP ST-I (Unit-I)	Claimed	**2018-19**		0	0
118	HIGHGROUND ENERGY PVT LTD	4 X 10 KW Solar PV Grid	Not Allowed	**2018-19**		0	0
119	EMKAY ENTERPRISES	A45-FG:COMPLETE ASSY	Not Claimed	**2018-19**		0	0
120	Electro Zavod India Pvt Ltd	SUSPENDED MAGNTC.SEPARTR:SMNR1-165/40	Not Claimed	**2018-19**		0	0
121	NEW ALLENBERRY WORKS	COMP.ASSY.-HORIZONTAL-1450:31.46:1/46.	Not Claimed	**2018-19**		0	0
122	JITENDRA NATH BARDHAN	Strengthening of MGR Track	Claimed	**2018-19**		0	54492
123	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2018-19**		0	0
124	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2018-19**		0	66864
125	BHARAT HEAVY ELECTRICALS LTD	HPCV SERVOMOTOR DRG:01140201000/0	Not Claimed	**2018-19**		0	0
126	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	**2018-19**		0	0
127	ABB India Limited	RELY NUM:220V DC:DIFF-RELY,2-W XYMR	Not Claimed	**2018-19**		0	33016
128	SCHENCK PROCESS SOLUTIONS	BELT DRIVE REDUCER FOR STOCK COAL FEED	Not Claimed	**2018-19**		0	0
129	Clyde Pumps India Pvt Ltd	JOURNAL BRG.HALF:NDE#75-WEIR BFP-FK4E3	Not Claimed	**2018-19**		0	0
130	Clyde Pumps India Pvt Ltd	THRUST BRG#78-WEIR BFP-PR.PUMP:FK4E36	Not Claimed	**2018-19**		0	0
131	ABB India Ltd.	MDBFP SCOOP ELECTRONIC PWR UNIT KE-3	Not Claimed	**2018-19**		0	47200
132	BHARAT HEAVY ELECTRICALS LTD	IMPELLER BLADES TP971607240000	Not Claimed	**2018-19**		0	0
133	BHARAT HEAVY ELECTRICALS LTD	450KW,SCIM,3PH,6.6KV,988 RPM,TEFC	Not Claimed	**2018-19**		0	0
134	BHARAT HEAVY ELECTRICALS LTD	MOTR 1SQL6.6KV:280KW:4P:B3TEFC:ILA7560	Not Claimed	**2018-19**		0	0
135	SHREEVARI ENERGY SYSTEMS PVT LTD	COLD END SECTOR PLATE ASSLY FOR SAPH	Not Claimed	**2018-19**		0	0
136	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	**2018-19**		0	0
137	ABB India Limited	NUMERICAL DISTANCE PROTECTION RELAY	Not Claimed	**2018-19**		0	0
138	EASTERN INDIA ENTERPRISE	Up gradation of DDCMIS ST-II	Allowed	**2018-19**		0	0
139	THE BABCOCK & WILCOX COMPANY	C.F.S LIGHTER ASSY,7587G100 **(CAP/03)	Not Claimed	**2018-19**		0	0
140	THE BABCOCK & WILCOX COMPANY	MPS 89G:BALL SCREW JACK ASSY 74" STROK	Not Claimed	**2018-19**		0	126161
141	THE BABCOCK & WILCOX COMPANY	MPS 89G:HIGH SPEED SHAFT	Not Claimed	**2018-19**		0	0
142	THE BABCOCK & WILCOX COMPANY	MPS 89G:PORTABLE HYDRAULIC POWER UNIT	Not Claimed	**2018-19**		0	0
143	Kingsbury Inc	THRUST PADS SET FOR 56 BV SERIES 1000	Not Claimed	**2018-19**		0	0
144	THE BABCOCK & WILCOX COMPANY	MPS 89G:RING SEAT FOR MILL	Not Claimed	**2018-19**		0	89055
145	THE BABCOCK & WILCOX COMPANY	MPS 89G:ROLL WHEEL SEAL AIR ASSY.	Not Claimed	**2018-19**		0	0
146	METSO ASIA PACIFIC PTE LTD	915A:CAGE FRAME ASSY	Not Claimed	**2018-19**		0	0
147	TLT TURBO GMBH	SHAFT WITH BEARING ASY-FD FAN AP1 26/	Not Claimed	**2018-19**		156	0
148	TLT TURBO GMBH	SHAFT&BEARING ASY-PA FAN AP 2 20/12	Not Claimed	**2018-19**		0	0
149	TLT TURBO GMBH	HAFT DRG.NO-KKK 16260161320	Not Claimed	**2018-19**		0	0
150	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	**2019-20**		6188	71366

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	he year 2023-24	Total discharge	Undischarged liabilities relating to GB 31.03.2024
151	P S JIVRAJ & CO	AERIAL TOWER WAGON	Not Claimed	**2019-20**		0	218400
152	GE T & D INDIA LTD	NUMERICAL MULTIFUNCTION RELAY,GEN 100	Not Claimed	**2019-20**		0	0
153	SCHENCK PROCESS SOLUTIONS	MICRO-PROCESR.BASED CONTROLR: DT9; STO	Not Claimed	**2019-20**		0	0
154	SCHNEIDER ELECTRIC INFRASTRUCTURE	NUMERICAL FEEDER PROTECTION RELAY 1A	Not Claimed	**2019-20**		0	44813
155	EMERSON PROCESS MANAGEMENT	REHEATR SPRAY CONTRL GLOBEV/V,CAPITALI	Not Claimed	**2019-20**		0	101955
156	BHARAT HEAVY ELECTRICALS LTD	TUBE SYSTEM FOR SEAL OIL COOLER 210MW	Not Claimed	**2019-20**		0	0
157	MODERN COMMERCIAL CORPORATION	FLENDER:SDO250:COMP ASMBLY	Not Claimed	**2019-20**		0	0
158	CESARE BONETTI INTERNATIONAL PVT LT	8"G/VV PN420:COMPLETE VALVE ASSY.:	Not Claimed	**2019-20**		0	0
159	Delta Automation	CAM CLUTCH BOX(C.W)SIZE0860	Not Claimed	**2019-20**		0	0
160	REINEKE ENGINEERING PVT LTD	COMPLETE ACTUATOR LEAK/SEAL STEAM ACT	Not Claimed	**2019-20**		0	0
161	Y CUBE ENGINEERED SOLUTIONS PVT LTD	ROTARY CYL.ACTUATOR: GS16-PC12; DEZUR	Not Claimed	**2019-20**		0	0
162	GLOBAL UDYOG	FLUID COUPLING:41SCR24X COM ASSY PEMB	Not Claimed	**2019-20**		0	0
163	KIRLOSKAR BROTHERS LTD	BHR35-22 1/2DEG:COMP.PUMP ASSLY	Not Claimed	**2019-20**		0	0
164	BOSTIN ENGINEERS PVT LTD	ECONOMISER-I COIL OF 210MW BOILER	Not Claimed	**2019-20**		0	668500
165	BHARAT HEAVY ELECTRICALS LTD	IMPELLER FOR ID FAN ST I	Not Claimed	**2019-20**		0	0
166	FLOWSERVE SANMAR LTD.	FK4E36:MECHANICAL SEAL (DE)	Not Claimed	**2019-20**		0	0
167	CG POWER AND INDUSTRIAL SOLUTIONS	CHP MOTOR 6.6 KV, 280 KW	Not Claimed	**2019-20**		0	0
168	Clyde Pumps India Pvt Ltd	TDBFP BOOSTER PUMP ROTOR ASSEMBLY	Not Claimed	**2019-20**		0	0
169	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	**2019-20**		0	0
170	ALLWEILER INDIA PVT. LTD.	SNH 210R 46/U7W 3:COMP.PUMP ASSLY	Not Claimed	**2019-20**		0	0
171	ALLWEILER INDIA PVT. LTD.	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	**2019-20**		0	0
172	KSB MIL CONTROLS LIMITED	SH SPRAY BRANCH BLOCK V/V PART NO.SD4	Not Claimed	**2019-20**		0	0
173	KSB MIL CONTROLS LIMITED	SH SPRAY COMMON BLOCK V/V PART NO.SD3	Not Claimed	**2019-20**		0	0
174	KSB MIL CONTROLS LIMITED	SH SPRAY BYPASS CONTROL V/V PART NO.SD	Not Claimed	**2019-20**		0	0
175	ELECON ENGINEERING CO LTD	HM263/264:HYD. CYLINDER	Not Claimed	**2019-20**		0	39499
176	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	**2019-20**		0	0
177	P S JIVRAJ & CO	ACB,4000A,3P,60KA,CATEGORY-B, 220VDC	Not Claimed	**2019-20**		0	54000
178	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	Not Allowed	**2019-20**		0	0
179	RODE KONCAR	UNIT AND STATION TRANSFORMER	Not Claimed	**2019-20**		0	146540
180	M/S ABB LTD.	SUPPLY OF DAS PACKAGE	Not Claimed	**2019-20**		0	949190
181	CE TESTING COMPANY PVT LTD	Geotechnical Investigation at Nishindra Ash Dyke Lagoon-I&II	Claimed	**2019-20**		0	0
182	MODERN COMMERCIAL CORPORATION	ACB 3PH 650V 1600A SIEMENS MAKE	Not Claimed	**2019-20**		0	327568
183	BHARAT HEAVY ELECTRICALS LTD	GENERATOR SEAL BODY EXCITER END	Not Claimed	**2019-20**		0	0
184	BHARAT HEAVY ELECTRICALS LTD	VALVE CONE DRG.01230401000C/08	Not Claimed	**2019-20**		0	0
185	GE OIL & GAS INDIA PRIVATE LIMITED	FK4E36:BFP RC VALVE ASSY	Not Claimed	**2019-20**		0	0
186	VOITH TURBO PVT LTD	VOITH:1780 SVNL 21-80G:THRUST BRG- 3	Not Claimed	**2019-20**		0	0
187	Delta Automation	CAM CLUTCH BOX(C.C.W),SIZE0860	Not Claimed	**2019-20**		0	0
188	SBM ENTERPRISE	COMPLETE BOWL ASSY.IN ASSEMBLED CONDIT	Not Claimed	**2019-20**		0	0
189	BHARAT HEAVY ELECTRICALS LTD	MAIN SHAFT FOR ID FAN ST-I	Not Claimed	**2019-20**		0	0
190	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER46U7.4W3:PUMP CARTRIDGE	Not Claimed	**2019-20**		0	0
191	SIEMENS LTD	ACB 3PH 650V 1600A SIEMENS MAKE	Not Claimed	**2019-20**		0	0
192	Stahl Cranesystems Gmbh	DMWC:PRECISION HOISTING GEAR	Not Claimed	**2019-20**		0	22644
193	ALLWEILER INDIA PVT. LTD.	SNH 210ER54U7.4W3:COMPLETE PUMP ASSLY	Not Claimed	**2019-20**		0	21842
194	BHARAT HEAVY ELECTRICALS LTD	DPU-4F PRIMARY PROCESSOR: ED69230D401	Not Claimed	**2019-20**		0	0
195	BHARAT HEAVY ELECTRICALS LTD	DPU-4F SECONDARY.PROCESSOR: ED69230D4	Not Claimed	**2019-20**		0	0
196	Senorita Marketing PVT LTD	CARTRIDGE ASSY PDHU70 CAPT03RT NO.SD4	Not Claimed	**2019-20**		0	0
197	BHARAT HEAVY ELECTRICALS LTD	C&I System for FSTPP_Under R&M_St-I(Unit#3)	Not Allowed	**2020-21**		88160	485963
198	KC COTTRELL CO LTD	R&Retrofittings Of ESP ST-I (Unit-I)	Claimed	**2020-21**		5728983	3269426
199	NTPC GE POWER SERVICES PRIVATE	RLA study of Critical Piping-Stage-I (Unit#II)	Not Allowed	**2020-21**		0	0
200	AUMA INDIA PVT LTD	Replacement of Electrical Actuators under R&M U#II	Not Allowed	**2020-21**		0	0
201	OTIS ELEVATOR	TENDER CODE:ELEVATOR-900KG	Not Allowed	**2020-21**		0	0
202	OTIS ELEVATOR	TENDER CODE:ELEVATOR-1500KG	Not Allowed	**2020-21**		0	2652325
203	BEACON ELEVATOR CO PVT LTD	TC:ELEVATOR-1000KG	Not Allowed	**2020-21**		0	350000
204	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	**2020-21**		0	2800000
205	OTIS ELEVATOR	TENDER CODE:ELEVATOR-900KG	Not Allowed	**2020-21**		0	0
206	THE BABCOCK & WILCOX COMPANY	MPS 89G:WHEEL	Not Claimed	**2020-21**		0	851846
207	TLT TURBO GMBH	BLADE DRG.NO-KKK16201260034(1) (ANSALD	Not Claimed	**2020-21**		2071	0
208	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE ASSY(MK-1) INSULATED	Not Claimed	**2020-21**		0	1482164
209	THE BABCOCK & WILCOX COMPANY	MPS 89G:HEAT EXCHANGERILL	Not Claimed	**2020-21**		0	267771
210	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:SILENCER	Not Claimed	**2020-21**		0	64885
211	WPIL LTD	C24TC:COMPLETE ASSY	Not Claimed	**2020-21**		0	0
212	RANCHI ELECTRICALS	10/8FFAH:COMPLETE ASSY	Not Claimed	**2020-21**		0	96753
213	BHARAT HEAVY ELECTRICALS LTD	DRIVE CONTROL MODULE 69205DSZAB MAX-DN	Not Claimed	**2020-21**		0	0
214	INCOTECH AUTOMATION SOLUTIONS	MINI PLC,MAKE:GE-FANUAC,CAT.:IC693PCM3	Not Claimed	**2020-21**		0	2322750
215	BHARAT HEAVY ELECTRICALS LTD	MDL CE69202ASYNA 7VE2146-1, ED74040012	Not Claimed	**2020-21**		0	28241
216	VISSION AUTOMATION PVT LTD	UNITY CPU MODULE: 140CPU67160; SHNEIDE	Not Claimed	**2020-21**		0	0
217	BHARAT HEAVY ELECTRICALS LTD	SEAL OIL DIFFERENTIAL PRESSURE REGULATOR	Not Claimed	**2020-21**		0	586000
218	TLT TURBO GMBH	ID FAN SHAFT (CAPT/03) (ANSALDO)	Not Claimed	**2020-21**		0	0
219	FEC INDIA PVT LTD	GB:FAIRFIELD:W10D2505123:COMP ASSY	Not Claimed	**2020-21**		0	0
220	ALLWEILER INDIA PVT. LTD.	T3SA 38/42:COMPLETE PUMP ASSY	Not Claimed	**2020-21**		0	0
221	GE OIL & GAS INDIA PRIVATE LIMITED	PNEUMATIC ACTUATORS SIZE 18INCH	Not Claimed	**2020-21**		0	32156
222	Kingsbury Inc	BEARING HOUSING FOR SAPH ST II	Not Claimed	**2020-21**		0	0
223	Kingsbury Inc	PAPH SUP BRG.KINGSBURI,41BV,450(ANSALD	Not Claimed	**2020-21**		0	0
224	LAXMI ENGINEERING INDUSTRIES	COMPLETE TUBE NEST OF MAIN EJECTOR210M	Not Claimed	**2020-21**		0	0
225	BHARAT HEAVY ELECTRICALS LTD	GENERATOR BEARING EE 91390101000-00	Not Claimed	**2020-21**		0	58262
226	SHRI BALAJI INDUSTRIAL PRODUCTS	WORM SHAFT+WORM GEAR+LOCK NUTS XRP-803	Not Claimed	**2020-21**		0	0
227	SHRI BALAJI INDUSTRIAL PRODUCTS	GRINDING ROLL SET FOR XRP 803 MILL	Not Claimed	**2020-21**		0	0
228	TRIDENT EQUIPMENTS PVT LTD	CHLORIDE ANALYSER - COMPLETE	Not Claimed	**2020-21**		0	0
229	THE BABCOCK & WILCOX COMPANY	MPS 89G:RING SEAT FOR MILL	Not Claimed	**2020-21**		0	1066075
230	FLUIDOMAT LTD	F.C:FLUIDOMAT:FCU T12/13:COMP ASSY	Not Claimed	**2020-21**		0	0
231	1139299 ROCKWELL AUTOMATION INDIA PVT LTD	M95670520 26N ALLEN BRADLEY PROCESSOR P/N: PLC 5/40	Not Claimed	**2020-21**		0	0
232	THE BABCOCK & WILCOX COMPANY	MPS 89G:WHEEL	Not Claimed	**2020-21**		0	0
233	SIEMENS LTD	SEALING RING DRG:11051410008/06	Not Claimed	**2020-21**		0	0
234	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE ASSY(MK-1) INSULATED	Not Claimed	**2020-21**		0	0

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	he year 2023-24	Total discharge	Undischarged liabilities relating to GB 31.03.2024
235	THE BABCOCK & WILCOX COMPANY	MPS 89G:YOKE SEAL HOUSING	Not Claimed	2020-21		0	0
236	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	2020-21		0	0
237	THE BABCOCK & WILCOX COMPANY	MPS 89G:SPRING FRAME	Not Claimed	2020-21		0	0
238	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	2020-21		0	0
239	THE BABCOCK & WILCOX COMPANY	MPS 89G:SPRING FRAME	Not Claimed	2020-21		0	0
240	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	2020-21		2067570	200000
241	JITENDRA NATH BARDHAN	Strengthening of MGR Track	Claimed	2020-21		0	0
242	C&S ELECTRIC LTD	Procurement of Supply and Retrofitting of LT Air circuit Breaker	Not Allowed	2021-22		0	0
243	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-IV)	Claimed	2021-22		6569576	280747
244	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-IV)	Claimed	2021-22		0	0
245	KC COTTRELL CO LTD	R&Retrofittings 0f ESP ST-I (Unit-III)	Claimed	2021-22		1342280	4911124
246	BUDHRAJA MINING & CONSTRUCTION LTD	5TH RAISING OF NISHINDRA ASH DYKE	Allowed	2021-22		0	4305861
247	SHRI BALAJI INDUSTRIAL PRODUCTS	GRINDING ROLL SET FOR XRP 803 MILL	Not Claimed	2021-22		0	0
248	BHARAT HEAVY ELECTRICALS LTD	IMPELLER BLADES BLADE BEARING ASSEMBLY	Not Claimed	2021-22		0	0
249	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:BLADE BRG. ASSY.	Not Claimed	2021-22		0	0
250	BHARAT HEAVY ELECTRICALS LTD	SHAFT&BEARING ASY-PA FAN AP 2 20/12	Not Claimed	2021-22		0	0
251	BHARAT HEAVY ELECTRICALS LTD	BLADE FOR AP2-20/12,P.A. FAN	Not Claimed	2021-22		0	230829
252	BHARAT HEAVY ELECTRICALS LTD	RADIAL THRUST BRG D380X290 01170327000	Not Claimed	2021-22		0	0
253	BHARAT HEAVY ELECTRICALS LTD	JOURNAL BRG D450X450 DRG:11181841000/0	Not Claimed	2021-22		0	0
254	BMW STEELS LTD	MPS 89G:CERAMIC CONE ASSY. WITH FASTN	Not Claimed	2021-22		0	16337
255	EIP ENVIRO LEVEL CONTROL PVT LTD	3D- BUNKER LEVEL MEAUSREMENT SYSTEM	Not Claimed	2021-22		0	638892
256	LIMITORQUE INDIA LTD	Replacement of Elect Actuators under R&M_U#I&III	Not Allowed	2021-22		0	0
257	LIMITORQUE INDIA LTD	Replacement of Elect Actuators under R&M_U#I&III	Not Allowed	2021-22		0	0
258	NTPC GE POWER SERVICES PRIVATE	RLA study of Critical Piping-Stage-I (Unit#I)	Not Allowed	2021-22		0	0
259	THE ENERGY & RESOURCES INSTITUTE	BIO-METHANATION PLANT IN TOWNSHIP	Claimed	2021-22		0	116400
260	UT PUMPS & SYSTEMS PV	W6.4ZK75:COMP PUMP ASSY	Not Claimed	2021-22		0	0
261	SIEMENS LTD	JOURNAL BRG D500X450 DRG:01181402000/0	Not Claimed	2021-22		0	0
262	BHARAT HEAVY ELECTRICALS LTD	Mega R&M of C&I System_St-I(Unit#1)	Not Allowed	2021-22		0	0
263	KSB PUMPS LTD	COMPLETE ASSEMBLY OF CONTROL FLUID PUM	Not Claimed	2021-22		0	1862400
264	CONTROL COMPONENT INDIA PVT LTD	ACTUATOR ASM 250-10; PN. 103.152.131.2	Not Claimed	2021-22		0	0
265	GE T & D INDIA LTD	RELAY PANEL	Not Claimed	2021-22		0	17500
266	MINIMAC SYSTEMS PVT LTD	FILTER M/C	Not Claimed	2021-22		0	40100
267	DHULIYAN BIDHABA MAHILA KALIAN	R&M of FH IV & VII in FH Township	Not Allowed	2021-22		1702468	0
268	AIA ENGINEERING LIMITED	MPS 89G:TIRE (VAM-20)	Not Claimed	2021-22		0	0
269	BHARAT HEAVY ELECTRICALS LIMITED	MPS 89G:CERAMIC CONE ASSY. WITH FASTN	Not Claimed	2021-22		32754	0
270	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	2021-22		0	400000
271	BEACON ELEVATOR CO PVT LTD	TENDER CODE:ELEVATOR-2000KG	Not Allowed	2021-22		0	160000
272	THE BABCOCK & WILCOX COMPANY	MPS 89G:GEAR DRIVE	Not Claimed	2021-22		2112001	904551
273	SUNAG CORPORATION(USA)	GB:CONE DRIVE:SR60A322:COMP ASSY	Not Claimed	2021-22		0	5654672
274	NEW ALLENBERRY WORKS	GB:CSB:450:COMPL ASSY	Not Claimed	2021-22		0	1543
275	ELECON ENGINEERING CO LTD	ELECON:NK-KCU200:COMPL GEAR BOX ASSY	Not Claimed	2021-22		0	44588
276	ELECON ENGINEERING CO LTD	HM263/264:BW SHAFT COMPLETE ASSY	Not Claimed	2021-22		0	63881
277	SIEMENS LTD	RG3-S:SINAMICS S120 SINGLE MOTOR MODUL	Not Claimed	2021-22		1924	1670
278	CONTROL COMPONENT INDIA PVT LTD	ELECTRO-HYDRAULIC ACTUATOR ASM200-10	Not Claimed	2021-22		408898	0
279	TRF LTD	E-13:VIBRATING ASSEMBLY	Not Claimed	2021-22		0	0
280	BHARAT HEAVY ELECTRICALS LTD	INLET INSERT DRG:01051402000/001	Not Claimed	2021-22		0	0
281	WPIL LTD	RF24TC:COMP ASSY	Not Claimed	2021-22		0	19550
282	SIEMENS LTD	BREECH NUT DRG:11051409000/03	Not Claimed	2021-22		0	0
283	ALLWEILER INDIA PVT. LTD.	COMPLETE CARTRIDGE ASSY FOR HFO PUMP	Not Claimed	2021-22		0	18692
284	WPIL LTD	JTC-12GM:BOWL ASSLY	Not Claimed	2021-22		0	10125
285	BHARAT HEAVY ELECTRICALS	CCS BLOBE VALVE 65MM HAND OPERATED	Not Claimed	2021-22		0	196338
286	BHARAT HEAVY ELECTRICALS LTD	DRIVE CONTROL MODULE 69205DSZAB MAX-DN	Not Claimed	2021-22		0	62963
287	BHARAT HEAVY ELECTRICALS LTD	DPU4F PRIM.PROCESR: ED69230D406D; BHEL	Not Claimed	2021-22		3140	0
288	LMG HYDRO PNEUMATICS	A4VG125EP2DM1:COMP.PUMP ASSLY.	Not Claimed	2021-22		0	0
289	SCHNEIDER ELECTRIC INFRASTRUCTURE	Supply and Retrofitting of 6.6 KV VCB	Not Allowed	2021-22		0	0
290	THE BABCOCK & WILCOX COMPANY	MPS 89G:PORTABLE HYDRAULIC POWER UNIT	Not Claimed	2021-22		0	859408
291	LOTUS CONSTRUCTION COMPANY	2ND RAISING OF KENDUA ASH DYKE LAGOON-I	Claimed	2021-22		1631079	1731078
292	BHARAT HEAVY ELECTRICALS LTD	Up gradation of DDCMIS ST-II	Allowed	2022-23		0	185024
293	BHARAT HEAVY ELECTRICALS LTD	C&I System for FSTPP Under R&M St-I(Unit#1)	Not Allowed	2022-23		0	495427
294	ABB India Limited	AGC Implementation work	Claimed	2022-23		0	300282
295	ALIKRAFT ENGINEERS PVT LTD	Elevator at TP-11 of CHP	Not Allowed	2022-23		388000	0
296	HAMON RESEARCH-COTTRELL INDIA PVT	R&Retrofittings of ESP ST-II (Unit-V)	Claimed	2022-23		46000640	18080228
297	BHARAT HEAVY ELECTRICALS LTD	PLUNGER COIL FOR HP,LP CONTROL VALVES	Not Claimed	2022-23		0	764152
298	CG POWER AND INDUSTRIAL	BUS DCT&ACCES CURNTTRANSFOR132KVTELK	Not Claimed	2022-23		449000	0
299	STATIC SYSTEMS ELECTRONICS PVT LTD	ACOUSTIC LEAK DETECTION SYSTEM- COMPLE	Not Allowed	2022-23		0	279200
300	TECHNO SERVICES ENGINEERING	MOTR 1SQL6.6KV:1650KW:6P:B3-TETV:CT630	Not Claimed	2022-23		1602000	0
301	BHARAT HEAVY ELECTRICALS LTD	MAIN SHAFT FOR ID FAN ST-I	Not Claimed	2022-23		6369567	786093
302	BHARAT HEAVY ELECTRICALS LTD	SHAFT WITH BEARING ASY-FD FAN AP1 26/	Not Claimed	2022-23		880658	72249
303	BHARAT HEAVY ELECTRICALS LTD	SEALING RING (IN 6 PARTS) 01050509000	Not Claimed	2022-23		0	117307
304	WAM INDIA PVT LTD	ZAMBA15N14021:COMP ASSLY	Not Claimed	2022-23		0	61720
305	P S ENTERPRISE	MATL-14E02:99-TAS-80	Not Claimed	2022-23		0	249440
306	KIRLOSKAR BROTHERS LTD	COMPLETE BOWL ASSY.IN ASSEMBLED CONDIT	Not Claimed	2022-23		0	74684
307	KIRLOSKAR BROTHERS LTD	BOWL ASSEMBLY OF STG-I CWP	Not Claimed	2022-23		0	86400
308	THE BABCOCK & WILCOX COMPANY	MPS 89G:PRESSURE FRAME ASEMBLY	Not Claimed	2022-23		0	7970320
309	THE BABCOCK & WILCOX COMPANY	MPS 89G:TOP HOUSING ASSY.	Not Claimed	2022-23	4846533	31771717	563144
310	BHARAT HEAVY ELECTRICALS LTD	CCS GLOBE VALVE 65MMMOTORIESED	Not Claimed	2022-23		0	233648
311	VOITH TURBO PVT LTD	VOITH:1780 SVNL 21-80G:COMPLETE ASSEMB	Not Claimed	2022-23		0	478161
312	BHARAT HEAVY ELECTRICALS LTD	POWR SUPLY AC/DC CNVRTR 'KX9180A' ;DVR	Not Claimed	2022-23		0	98955
313	SHRI BALAJI INDUSTRIAL PRODUCTS	MPS 89G:TIRE (VAM-20)	Not Claimed	2022-23		4380160	0
314	SUNAG CORPORATION	GB:CONE DRIVE:SR60A322-C1:COMP ASSY	Not Claimed	2022-23		0	292362
315	DEZURIK INC	PEC-ECC-14":COMPL. V/V ASSY.	Not Claimed	2022-23		0	132900
316	ALLWEILER INDIA PRIVATE LIMITED	SNH 210ER46U7.4W3:PUMP CARTRIDGE	Not Claimed	2022-23		0	17374
317	AISHWARYA TECHNOLOGIES AND	UNDERGROUND WIRE & PIPE LOCATOR: LKZ15	Not Claimed	2022-23		268900	8400
318	KSB MIL CONTROLS LIMITED	REHEATER SPRAY CONT.VALVEOR41,44,47,50	Not Claimed	2022-23		172000	5864

Flow of Capital liabilities from 01.04.2014

Sr. No.	Name of the Party	Name of the work	Claimed/Allowed/Disallowed	Year of creation of liability capitalised in Gross Block	he year 2023-24	Total discharge	Undischarged liabilities relating to GB 31.03.2024
319	KSB MIL CONTROLS LIMITED	REHEATER SPRAY CONT.VALVEOR41,44,47,50	Not Claimed	**2022-23**		0	45388
320	BHARAT HEAVY ELECTRICALS LTD	K1401-2:LPC VALVE 200/125/U-2:COMP.ASS	Not Claimed	**2022-23**		0	153203
321	WPIL LTD	JTC-12GM:COMP.PUMP ASSY.	Not Claimed	**2022-23**		146989	0
322	SCHENCK PROCESS SOLUTIONS	BELT DRIVE REDUCER FOR STOCK COAL FEED	Not Claimed	**2022-23**		12064320	0
323	KAREYN PRECISION MACHINES PVT LTD	PLUNGER COIL FOR HP,LP CONTROL VALVES	Not Claimed	**2022-23**		0	1167547
324	HACH DHR INDIA PRIVATE LIMITED	ONLINE SILICA ANALYSER RANGE:0-5000PPB	Not Claimed	**2022-23**		1298000	0
325	FLOWMORE LTD	5824-125X100:COMP.PUMP ASSLY	Not Claimed	**2022-23**		0	10331
326	BHARAT HEAVY ELECTRICALS LTD	F.D. FAN ASSLY.:SHAFT +BRG. ASSY	Not Claimed	**2022-23**		0	600000
327	BHARAT HEAVY ELECTRICALS LTD	SERVO MOTOR ASSLY FOR F.D.FAN	Not Claimed	**2022-23**		0	577019
328	BHARAT HEAVY ELECTRICALS LTD	AUX GEN AG-51/M FOR BHEL WDM-2 CLASS	Not Claimed	**2022-23**		0	14436
329	BHARAT HEAVY ELECTRICALS LTD	TUBE SYSTEM FOR SEAL OIL COOLER 210MW	Not Claimed	**2022-23**		8609122	0
330	NEW ALLENBERRY WORKS	GB:N.ALLENBERY:CSB:450:COMP ASSY	Not Claimed	**2022-23**		3629634	0
331	AUMA INDIA PVT LTD	ELECT.ACTUATOR: SA14.6/AM02.1-F14-ON/O	Not Claimed	**2022-23**		1803600	0
332	BHARAT HEAVY ELECTRICALS LTD	DLWSPR:TRACTION MOTOR WITH PINION	Not Claimed	**2022-23**		16975489	0
333	BEML LIMITED	BD-155:TRACK SHOE ASSY	Not Claimed	**2022-23**		2537000	0
334	Hamon Research-cottrell	MICRO PROCESSOR POWER BOARD,P/N:307801	Not Claimed	**2022-23**	1452749	3377123	1412153
335	MARATHON ELECTRIC MOTORS INDIA LTD	3P IM; 415V;110 KW;1475 RPM;TYPE:TFO;	Not Claimed	**2022-23**		1259006	0
336	WPIL LTD	Procurement of WPIL make BAHP pump comp assembly	Not Claimed	**2023-24**		0	301613
337	WPIL LTD	Supply of WPIL make Pumps and spares for Offsite Area	Not Claimed	**2023-24**		0	62693
338	SIEMENS LTD	Procurement of Turbine side spares	Not Claimed	**2023-24**		0	68805
339	ALFA LAVAL INDIA PRIVATE LTD	PROCUREMENT OF MOT CENTRIFUGE	Not Claimed	**2023-24**		0	143665
340	MERRICK INDUSTRIES PVT LTD	Up-gradation of St-1 Merrick Coal feeders -18 nos	Claimed	**2023-24**		0	4233600
341	NEW ALLENBERRY WORKS	Purchase Order for Supply of Gearboxes for CHP	Not Claimed	**2023-24**			44960
342	BHARAT HEAVY ELECTRICALS LTD	SUPPLY OF 10MW BFP MOTOR FOR MDBFP OF STAGE-II UNITS(CAPITAL SPARES).	Not Claimed	**2023-24**			778800
343	BHARAT HEAVY ELECTRICALS LTD	Procurement of Turbine side capital spares	Not Claimed	**2023-24**			104343
344	RANCHI ELECTRICALS	PROCUREMENT OF WEIR WARMAN MAKE COMPLETE ASSEMBLY OF ASH SLURRY PUMP FOR STAGE_1	Not Claimed	**2023-24**			160992
345	MINIMAC SYSTEMS PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine	Not Claimed	**2023-24**			64258
346	BHARAT HEAVY ELECTRICALS LTD	Procurement of Rotor & Impellar	Not Claimed	**2023-24**			494379
347	GARDNER DENVER NASH LLC	PROCUREMENT OF CONDENSER VACCUM PUMP	Not Claimed	**2023-24**			11430837
348	IGUS INDIA PVT LTD	Retrofitting work of energy chain system in place of CRD includes design, supply, installation & commissioning for Paddle Feeder-1 & 2 of Track Hopper NTPC Farakka	Claimed	**2023-24**			637000
349	S D ENGINEERING WORKS	SUPPLY ERECTION AND COMMISSIONING OF SUSPENDED MAGNET FOR CHP NTPC FARAKKA.	Not Claimed	**2023-24**			697500
350	RAMP DISPLAY SOLUTIONS PVT LTD	PROCUREMENT LED BASED LVS	Not Claimed	**2023-24**			137100
351	MECH-WELL INDUSTRIES LTD	Purchase Order for Supply of components of Coal Burner of Stage-I APH Inlet and Outlet Dampers Farakka STPS	Not Claimed	**2023-24**			1139850
352	CG POWER AND INDUSTRIAL	SUPPLY OF CGL MOTORS NTPC FARAKKA	Not Claimed	**2023-24**			64100
353	ESCORTS KUBOTA LIMITED	PURCHASE OF 02 NOS. OF BACKHOE LOADERS AT CHP FOR NTPC FARAKKA	Not Claimed	**2023-24**			33745
354	KLEENOIL FILTERATION INDIA PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine.	Not Claimed	**2023-24**			18644
355	KLEENOIL FILTERATION INDIA PVT LTD	Procurement Of Trolley Mounted Online Filtration Machine.	Not Claimed	**2023-24**			6600
356	BANARAS LOCOMOTIVE WORKS	Procurement of 04 Nos WDG3A Locomotives for NTPC Farakka	Claimed	**2023-24**			111451000
357	BANARAS LOCOMOTIVE WORKS	Procurement of 04 Nos WDG3A Locomotives for NTPC Farakka	Claimed	**2023-24**			111451000
358	ROYAL INFRACONSTRU LTD	CONSTRUCTION OF NEW TWO LANE ROAD BRIDGE ADJACENT TO THE EXISTING BRIDGE AT RD 8.5 OVER FEEDER CANAL AT FARAKKA	Allowed	**2023-24**			0
	TOTAL ST - I & II				**6299282**	**165808403**	**1251775397**
B	**For assets eligible for ROE at weighted average rate of interest on loan**	**NA**					

PART 1
FORM-T

Summary of issue involved in the petition

Name of the Company :		**NTPC Limited**				
Name of the Power Station :		**Farakka Super Thermal power Station Stage-I&II**				
1	**Petitioner:**	**NTPC Limited**				
2	**Subject**	Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 and Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for approval of tariff of Farakka Super Thermal Power Station Stage-I&II (1600 MW) for the period from 01.04.2019 to 31.03.2024				
3	**Prayer:**i) Approve revised tariff of FSTPS-I&II for the tariff period 2019-24 as per provision of Regulation 13 of Tariff Regulations 2019. ii) Allow the cost of two-lane bridge in view of Hon'ble APTEL order dated 01.12.22 in Appeal 178 of 201 and condone the associated delay. iii)Allow the claims as per Hon'ble APTEL Order in Appeal no. 159 of 2017 iv)Allow the Petitioner to recover the additional O&M cost for ash transportation. v) Allow the reimbursement of water charges, capital spares and security expenses for the instant station, as claimed by the Petitioner. vi) Allow recovery of unrecovered depreciation as claimed by the Petitioner (as per Hon'ble APTEL Orde in Appeal no. 139 of 2006) vii)Pass any other order as it may deem fit in the circumstances mentioned above.					
4	**Respondents**					
	Name of Respondents					
	1	West Bengal State Electricity Distribution Co. Ltd.				
	2	Bihar State Power Holding Company (BSHPCL)				
	3	Jharkhand Vidyut Vikas Nigam Ltd.(JVVNL)				
	4	Grid Corporation of Orissa Ltd.				
	5	Haryana Power Purchase Centre (HPPC)				
	6	Power Department				
	7	Tamil Nadu Generation & Distribution Corporation Ltd.(TANGEDCO)				
	8	Punjab State Power Corporation Limited (PSPCL)				
	9	Uttar Pradesh Power Corp. Ltd.				
	10	Power Development Department (J&K)				
	11	Assam Power Distribution Company Limited				
	12	BSES Rajdhani Power Ltd.				
	13	BSES Yamuna Power Ltd.				
	14	Tata Power Delhi Distribution Limited				
	15	Rajasthan Urja Vikas Nigam Limited				
5	**Project Scope**					
	Cost	**NA**				
	Commissioning	**1.7.1996**				
	Claim					
		2019-21	**2020-22**	**2021-23**	**2022-24**	**20223-25**
	AFC	**114712.57**	**112053.35**	**127600.88**	**143538.90**	**163167.37**
	Capital cost(Average)	**321933.7052**	**324573.946**	**332246.271**	**342092.914**	**350401.812**
	Initial spare	**NA**				
	NAPAF (Gen)	**85%**				
	Any Specific	**NA**				
						PETITIONER

Inter Unit Transfer Details for 2019-20

Asset Desc.		Adjustment (Rs)
Comp Engine Assembly for BEML make Dozer BD155	Transfer In	-18,23,324.88
INDAS Adj for the above	Transfer In	8,83,466.69
M2720171167 COMPUTER TABLE ,GODREJ	Transfer Out	6,774.42
INDAS Adj for the above	Transfer Out	-1,858.22
M2720171167 COMPUTER TABLE ,GODREJ	Transfer Out	6,775.12
INDAS Adj for the above	Transfer Out	-1,858.42
M2720171167 COMPUTER TABLE ,GODREJ	Transfer Out	6,775.12
INDAS Adj for the above	Transfer Out	-1,858.42
M2720171167 COMPUTER TABLE ,GODREJ	Transfer Out	6,775.12
INDAS Adj for the above	Transfer Out	-1,858.42
SCANNER A4 SIZE SCANNER	Transfer Out	3,467.00
INDAS Adj for the above	Transfer In	-3,467.00
M9705450013 A4 SCANNER (COLOR)AS PER SPECIFICATION	Transfer Out	3,750.00
INDAS Adj for the above	Transfer In	-3,750.00
LASER PRINTER	Transfer Out	6,540.00
INDAS Adj for the above	Transfer Out	-5,886.00
LASER PRINTER	Transfer Out	6,540.00
INDAS Adj for the above	Transfer Out	-5,886.00
M9713248567 PERS.COMPUTER,CORE2DUO,RAM:4GB,TFT-17	Transfer Out	39,988.00
INDAS Adj for the above	Transfer Out	-35,989.20
LAPTOPS	Transfer Out	63,900.00
INDAS Adj for the above	Transfer Out	-57,510.00
M9717251132 A4 LASERJET PRINTER	Transfer Out	10,453.31
INDAS Adj for the above	Transfer Out	-9,407.98
M9717251132 A4 LASERJET PRINTER	Transfer Out	10,453.31
INDAS Adj for the above	Transfer Out	-9,407.98
4600017026,DELL LAPTOP:I-5,2.1-3GHZ, S.No-948Q7X1	Transfer Out	53,425.00
INDAS Adj for the above	Transfer Out	-28,849.50
LAPTOP-DELL-EMP-2221	Transfer Out	51,450.00
4800002599: HCL ME LAPTOP M39	Transfer Out	51,000.00
INDAS Adj for the above	Transfer Out	-45,900.00
LAPTOP DELL SL NO 5C1W7X1	Transfer Out	53,425.20
INDAS Adj for the above	Transfer Out	-29,200.43
DESKTOP PC: CORE-I5, 3.0GHZ, TFT-19,16GB	Transfer In	-57,929.01
LAPTOP:I-5,2.1-3GHZ-KBUNL-EMP-40824	Transfer In	-55,607.36
LAPTOP: I-5,2.1-3.0GHZ-KBUNL-EMP-41001	Transfer In	-65,803.57
LaptopDell Latitude e5440	Transfer In	-61,925.83
LAPTOP: I-5,2.1-3.0GHZ,TFT-14"/15"&MOUSE M97142564	Transfer In	-64,026.44
LAPTOP:I-5,2.1-3GHZ,MONITOR:13.3, 4GB	Transfer In	-56,096.46
LAPTOP:I-5,2.1-3GHZ,MONITOR:13.3, 4GB	Transfer In	-56,096.46
LAPTOP:I-5,2.1-3GHZ,MONITOR:13.3, 4GB	Transfer In	-56,096.46

Inter Unit Transfer Details for 2020-21		
Asset Desc.		**Adjustment (Rs.)**
LAPTOP:I-5, Min.2.5GHZ,MONITOR:13.3, 4GB	Transfer In	-84,000.00

	Inter Unit Transfer Details for 2021-22		
Asset Desc.		**As per Note 2**	**Adjustment (Rs)**
WDG3A DIESEL ELECTRIC LOCOMOTIVE 3100HP	Transfer in	8,29,47,037.84	10,23,02,710.71
WDG3A DIESEL ELECTRIC LOCOMOTIVE 3100HP		8,29,47,037.84	10,23,02,710.71
CHAIR		0.00	4,519.00
CHAIRS		0.00	4,525.00
CHAIRS		0.00	4,525.00
7003D CHAIR (IV FLOOR)		0.00	4,657.00
7003D CHAIR (IV FLOOR)		0.00	4,657.00
7003D CHAIR (IV FLOOR)		0.00	4,657.00
7003D CHAIR (IV FLOOR)		0.00	4,657.00
7003D CHAIR (IV FLOOR)		0.00	4,657.00
CENTRE TABLE (940 X 540 X 400), (IV FLOOR)		0.00	3,537.00
T-101 (NON-EXECUTIVE)		2,162.45	5,159.00
T-101 (NON-EXECUTIVE)		2,162.45	5,159.00
T-101 (NON-EXECUTIVE)		2,162.45	5,159.00
T-101 (NON-EXECUTIVE)		2,162.45	5,159.00
T-101 (NON-EXECUTIVE)		2,162.45	5,159.00
SOFA (3-SEATER)		2,445.03	13,180.00
CELINA 2088 SOFA (3-SEATER)		5,072.27	13,446.00
sofa 2seater-transfer from erhq-1		9,899.65	21,263.00
CELINA 2088 SOFA (1-SEATER)		3,001.88	7,958.00
CELINA 2088 SOFA (1-SEATER)		3,001.88	7,958.00
3'-6"*6'-6',SINGLE BED ,TEAK WOOD COT		3,689.47	6,000.00
3'-6"*6'-6',SINGLE BED ,TEAK WOOD COT		3,689.47	6,000.00
3'-6"*6'-6',SINGLE BED ,TEAK WOOD COT		3,689.47	6,000.00
3'-6"*6'-6',SINGLE BED ,TEAK WOOD COT		3,689.47	6,000.00
3'-6"*6'-6',SINGLE BED ,TEAK WOOD COT		3,689.47	6,000.00
3'-6"*6'-6',SINGLE BED ,TEAK WOOD COT		3,689.47	6,000.00
Cott as per specification		3,942.69	6,000.00
Cott as per specification		3,942.69	6,000.00
Cott as per specification		3,942.69	6,000.00
Cott as per specification		3,942.69	6,000.00
center Table		5,113.80	6,000.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN: CEILING, 1200MM SWEEP		1,620.00	1,620.00
FAN:WALL MOUNTED:300-350MM SWEEP		1,800.00	1,800.00

FAN:WALL MOUNTED:300-350MM SWEEP		1,800.00	1,800.00
COFFEE TABLE (CAIRO SILVER)		0.00	3,919.00
WOODEN STOOL		0.00	225.00
KITCHEN VENTILATOR		3,822.79	9,990.00
PEDESTAL FAN		0.00	1,940.00
CARRIER AIR CONDITIONER		3,009.60	30,096.00
CARRIER AIR CONDITIONER		3,009.60	30,096.00
CARRIER AIR CONDITIONER		3,009.60	30,096.00
AIR CONDITIONER-TRANSFERRED FROM ERHQ1		1,849.00	18,490.00
Window AC 1.5 Ton		8,043.68	17,980.00
Window AC 1.5 Ton		8,043.68	17,980.00
2 ton ac machine-vip guest house		16,681.30	20,623.50
1.5 TON SPLIT AC		6,622.94	25,120.00
1.5 ton SPLIT AC FOR VIP GH		11,139.46	24,900.00
1.5 Ton Split Ac		30,235.73	37,752.90
1.5 Ton Split Ac		30,235.73	37,752.90
GYSER		4,334.66	6,650.00
gyser 25 ltr		8,712.21	8,900.00
gyser 25 ltr		8,712.21	8,900.00
gyser 25 ltr		8,712.21	8,900.00
gyser 25 ltr		8,712.21	8,900.00
REFRIGERATOR(FREEZE) CAP:300-350 LTR		27,500.00	27,500.00
PO-4600050380_CHIMNEY_T&CC KOLKATA		17,300.00	17,300.00
Notebook PC pavillion 14-cd0080TU-HP		60,000.00	60,000.00

	Inter Unit Transfer Details for 2022-23		
		-3,76,89,186.47	**-5,66,82,635.49**
Asset Desc.		**As per Note 2**	**Adjustment (Rs)**
MGR LOCO DIESEL / 1992 (Loco no 09)	Transfer out	-2110383.23	-2,11,03,832.25
BOTTOM DISCHARGE HOPPER WAGON		-35578803.24	-3,55,78,803.24

		Inter Unit Transfer Details for 2023-24	
Asset Desc.		**As per Note 2**	**Adjustment (Rs)**
DESKTOP PC: CORE-I5 VPRO WIN, 8GB	Transfer out	-46787	-46,787.00

Annexure-A

राइट्स लिमिटेड
(भारत सरकार का प्रतिष्ठान)
RITES LIMITED
(Schedule 'A' Enterprise of Govt. of India)
CIN: U74899DL1974GOI007227

RITES/HW/ NTPC-FARAKKA/NEW BRIDGE/2011/1
8th May, 2014

Shri A. K. Sharma
Additional General Manager
NTPC Ltd.
Farakka Super Thermal Power Station
P. O. Nabarun,
Murshidabad, West Bengal
Pin : 742 236

Subject: Consultancy Services for the Preparation of Detailed Project Report for Construction of new two Lane Road Bridge adjacent to the existing bridge at RD 8.5 over feeder canal of Farakka in West Bengal.
- Re-submission of drawings for 80m span steel truss.

Dear Sir,

This has reference to the above mentioned project. As discussed, we are submitting the following drawings of 80m span Steel Truss over feeder canal of Farakka, duly modified in consideration of fatigue design and detailing introduced in the IRC Code.

SL. No.	Particulars	Drawing. No.	Revision No.
1	General Arrangement and Marking Plan. (1 Sheet)	RITES/HW/6864-30/NTPC FARAKKA/BR/B/11	R2
2	Detail of Portal Bracing, Sway Bracing and top Bracing Joints. (1 Sheet)	RITES/HW/6864-30/NTPC FARAKKA/BR/B/13	R2
3	Detail of Bottom Chord Joints. (5 Sheets)	RITES/HW/6864-30/NTPC FARAKKA/BR/B/14	R2
4	Detail of Top Chord Joints. (4 Sheets)	RITES/HW/6864-30/NTPC FARAKKA/BR/B/15	R2
5	Detail of Mid Joints. (1 Sheet)	RITES/HW/6864-30/NTPC FARAKKA/BR/B/16	R2

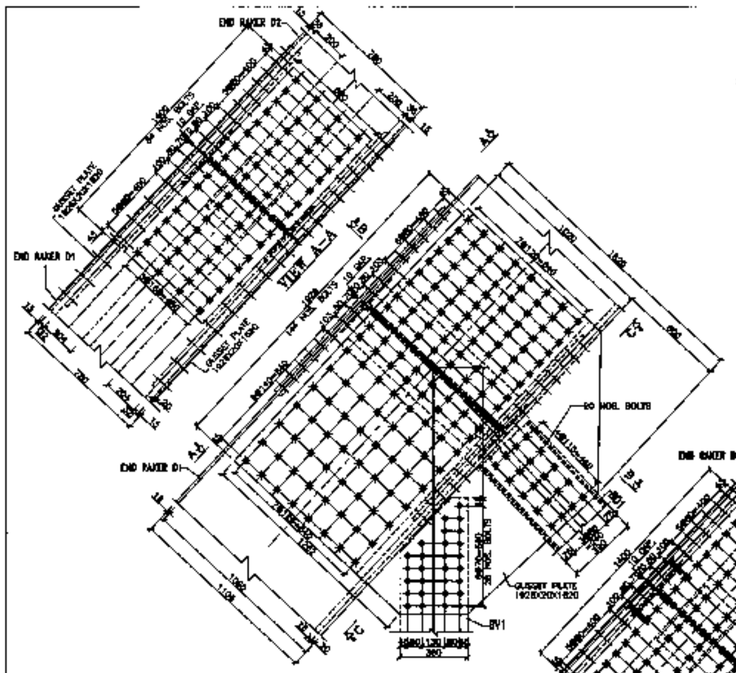
Thanking and assuring you best of our services as always.

Enclo: As stated above

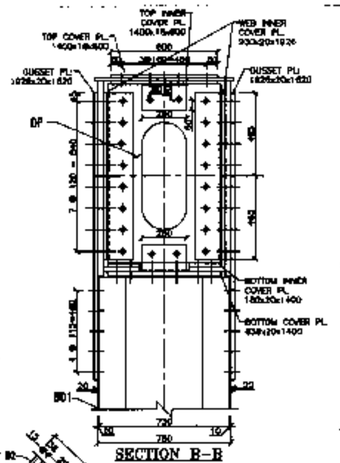
Yours faithfully,

(Tapas Mukherjee)
Additional General Manager/HW

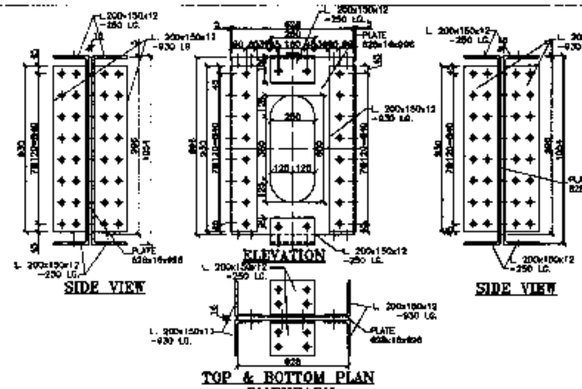
कॉर्पोरेट कार्यालय: राइट्स भवन, नं. 1, सेक्टर–29, गुड़गाँव–122 001 (भारत), **Corporate Office:** RITES Bhawan, No.1, Sector-29, Gurgaon-122 001 (INDIA)
पंजीकृत कार्यालय: स्कोप मीनार, लक्ष्मी नगर, दिल्ली–110 092 (भारत), **Registered Office:** SCOPE Minar, Laxmi Nagar, Delhi-110 092 (INDIA)
दूरभाष (Tel.): (0124) 2571666, फैक्स (Fax): (0124) 2571660, ई-मेल (E-mail) info@rites.com वेबसाइट (website): www.rites.com

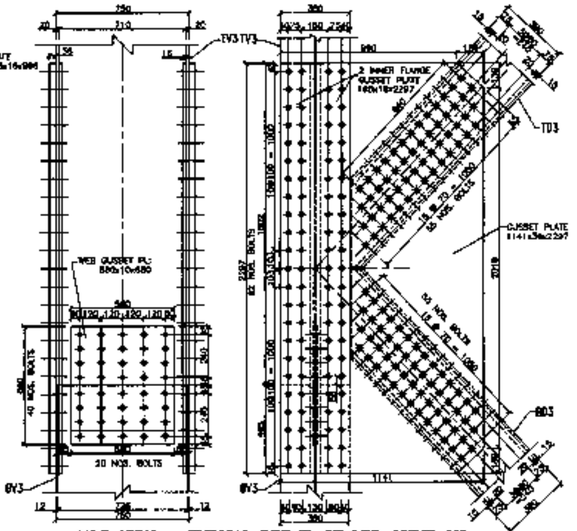


TYPICAL DETAIL OF MID JOINT-M1

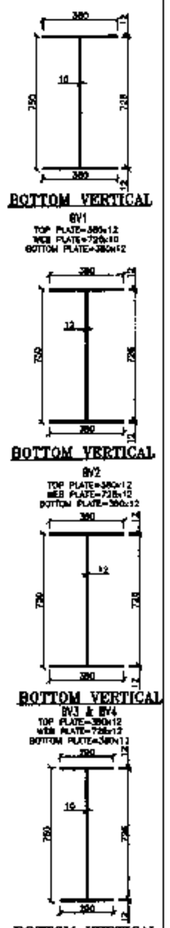


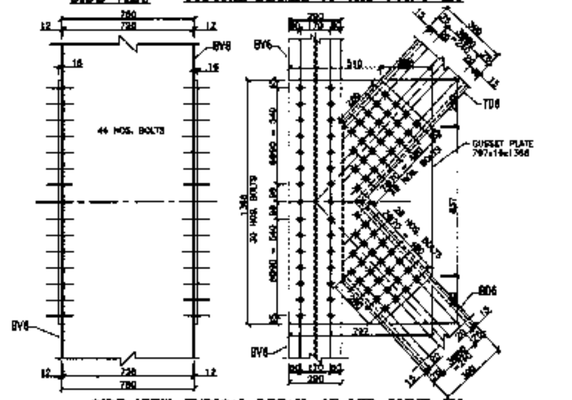
SECTION B-B



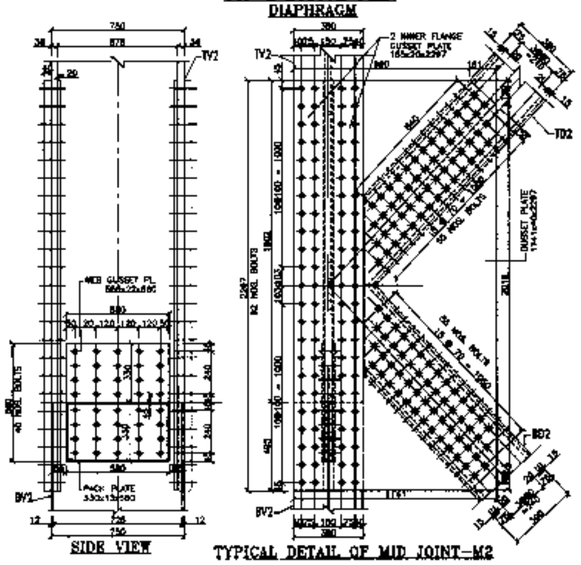


SIDE VIEW TYPICAL DETAIL OF MID JOINT-M3

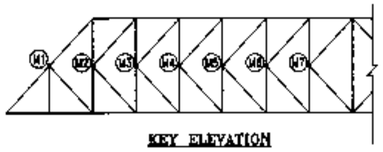




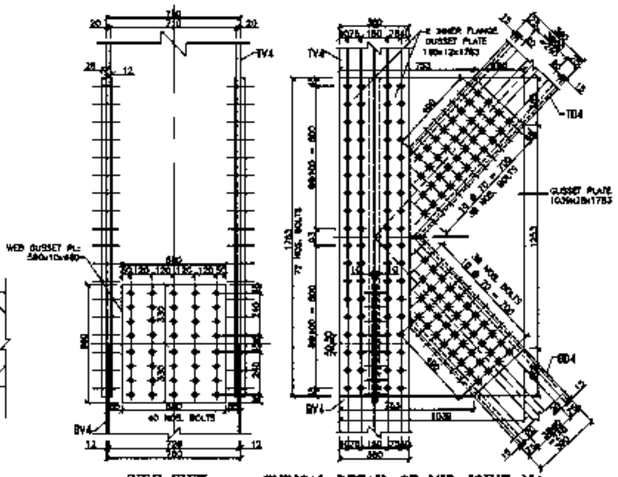
SIDE VIEW TYPICAL DETAIL OF MID JOINT-M6



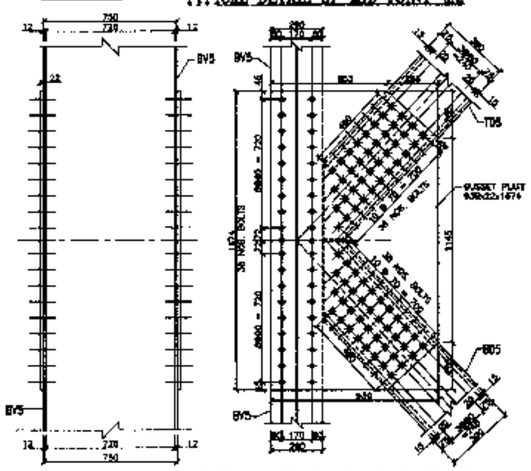
SIDE VIEW TYPICAL DETAIL OF MID JOINT-M2



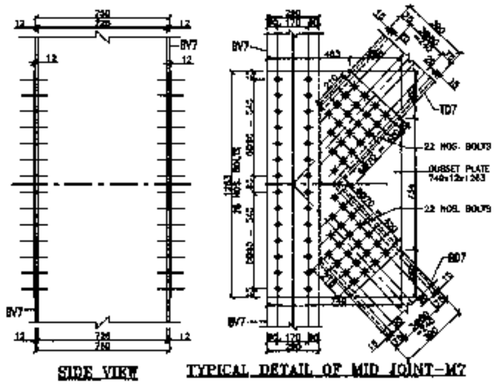
KEY ELEVATION



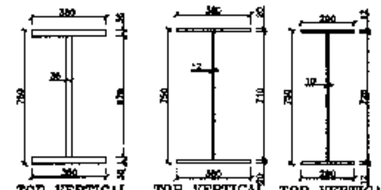
SIDE VIEW TYPICAL DETAIL OF MID JOINT-M4

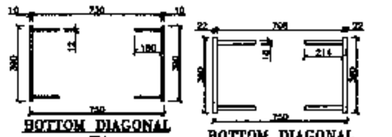


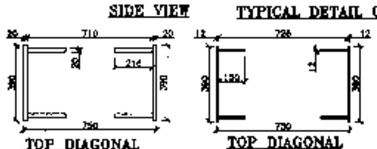
SIDE VIEW TYPICAL DETAIL OF MID JOINT-M5



SIDE VIEW TYPICAL DETAIL OF MID JOINT-M7





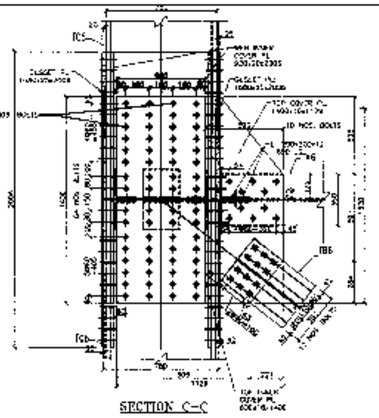


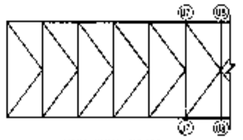
NOTES:

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3. OTHER NOTES SEE SHEET No.2 OF Drg No. : RITES/HW/6864-30/NTPC-FARAKKA/BR/B/15

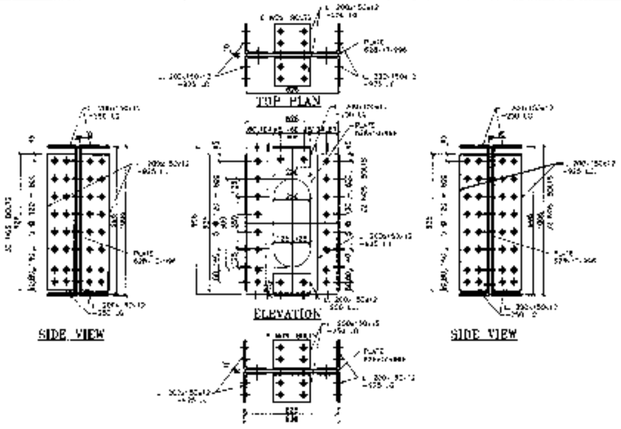
REV. NO:	DATE	DESCRIPTION
R2	APRIL 2014	MODIFIED FOR FATIGUE CONSIDERATION OF NEW CODE
R1	MAY 2012	REVISED AS PER CLIENT'S COMMENTS
R0	JANUARY 2012	INITIAL DRAWING

NTPC LIMITED	Consultancy Services for Preparation of DPR for construction of new 2 Lane Road Bridge adjacent to existing Bridge at RD 8.5 over feeder canal of Farakka in West Bengal	RITES THE INFRASTRUCTURE PEOPLE RITES BHAWAN, 1, SECTOR 29, GURGAON 122 001	BRIDGE ACROSS FEEDER CANAL DETAIL OF MID JOINTS M1 TO M7 (FOR 80.0m SPAN)	Drg No. : Drg No. : RITES/HW/6864-30/NTPC-FARAKKA/BR/B/16 Sheet . Scale: As Above Dated : 13-07-2013 Checked by: S.K.B Approved by: T.M. Designed by: B.C.R. Drawn by: B.C.R.


SECTION C-C


KEY TOP PLAN

KEY ELEVATION

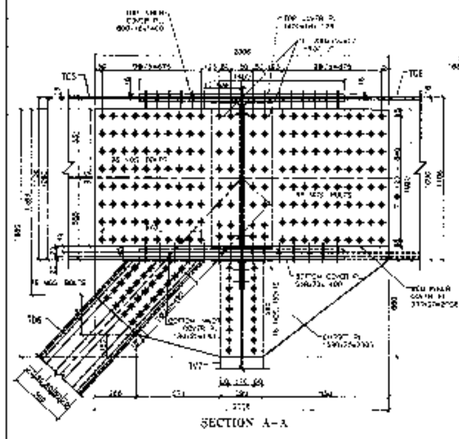

TOP PLAN

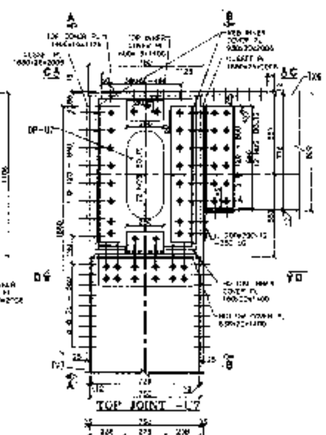
SIDE VIEW

ELEVATION

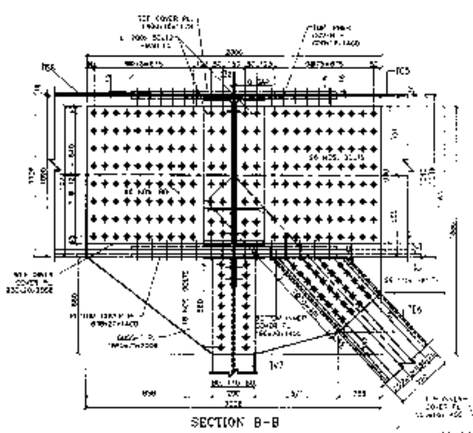
SIDE VIEW

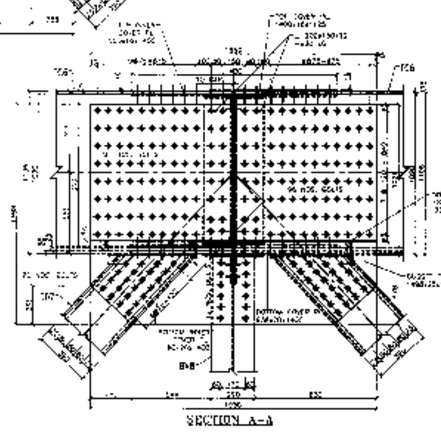
BOTTOM PLAN
DIAPHRAGM-DP-U7 & U8

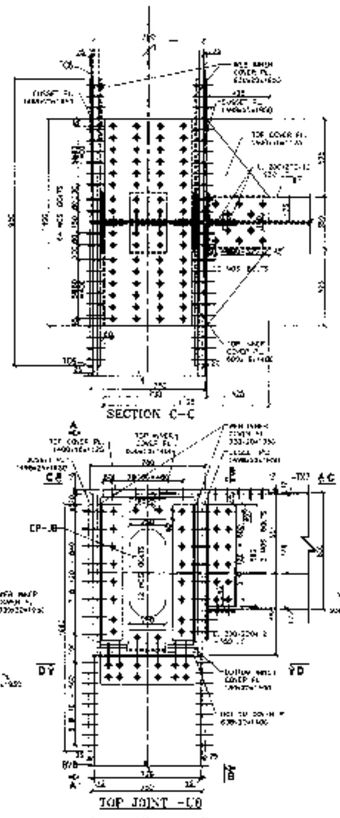

SECTION A-A


TOP JOINT -U7

SECTION D-D

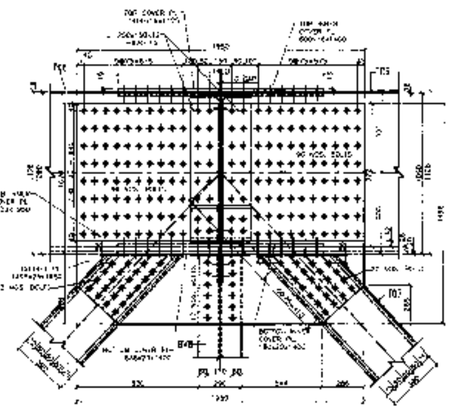

SECTION B-B


SECTION A-A


SECTION C-C

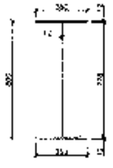
TOP JOINT -U8

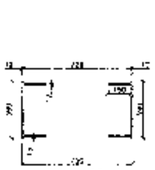
SECTION D-D


SECTION B-B


TOP CHORD
TC5 & TC6

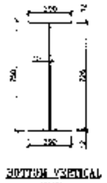

TOP X-GIRDER
TX6

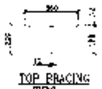

TOP X GIRDER
TX7


TOP DIAGONAL
TD6 & TD7


TOP VERTICAL
TV7

KEY ELEVATION


BOTTOM VERTICAL
BV8


TOP BRACING
TB6

NOTES:

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REV. NO:	DATE	DESCRIPTION
R2	APRIL 2014	MODIFIED FOR FATIGUE CONSIDERATION OF NEW CODE
R1	MAY 2012	REVISED AS PER CLIENTS COMMENTS
R0	JANUARY 2012	INITIAL DRAWING

NTPC LIMITED

Consultancy Services for Preparation of DPR for construction of new 2 Lane Road Bridge adjacent to existing Bridge at RD 8.5 over feeder canal of Farakka in West Bengal

RITES
THE INFRASTRUCTURE PEOPLE
RITES BHAWAN, SECTOR 29
GURGAON 122 001

BRIDGE ACROSS FEEDER CANAL

DETAIL OF JOINT-U7 & U8
(FOR 80.0m SPAN)

Drg No. : Drg No. : RITES/HW/6864-30/NTPC-FARAKKA/BR/B/15

Sheet : 4of 4

Scale: As Above

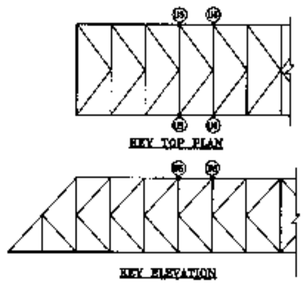
Dated : 13-07-2013

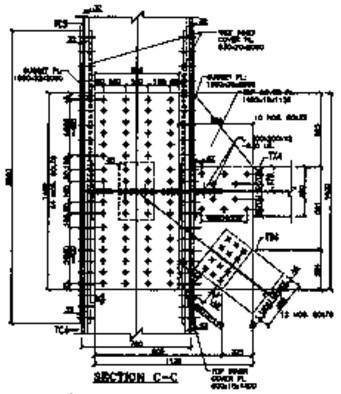
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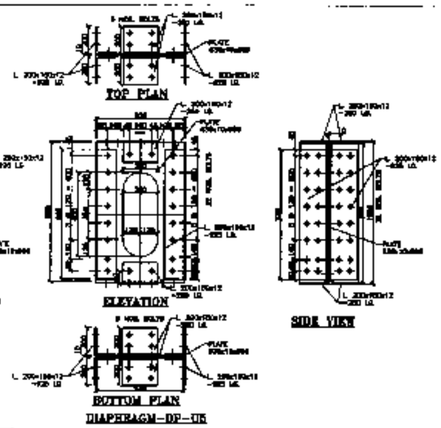
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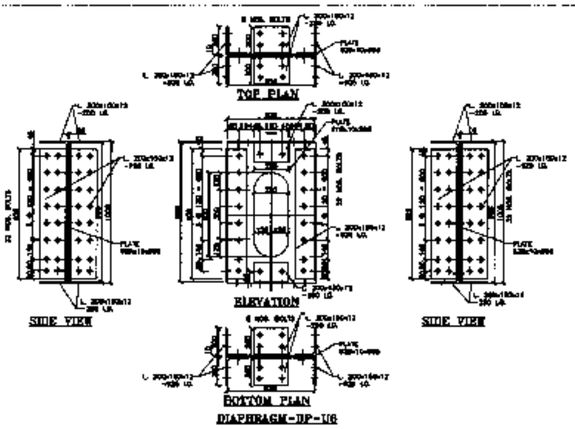
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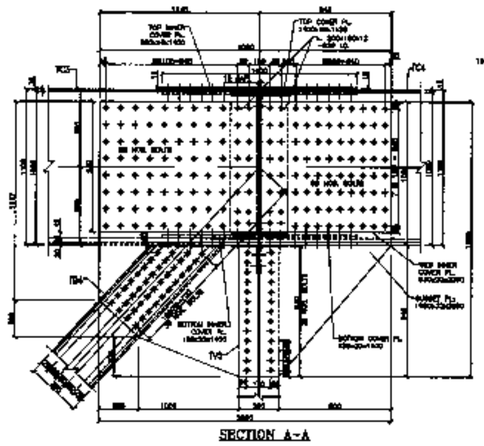
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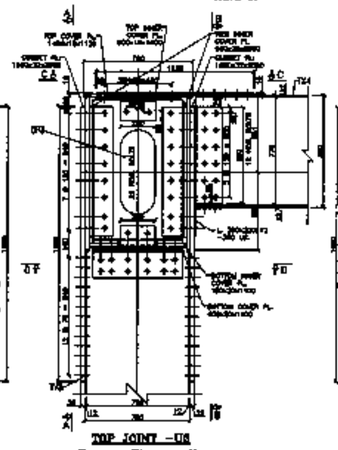


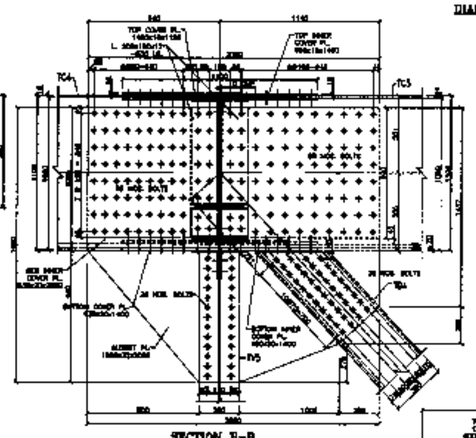


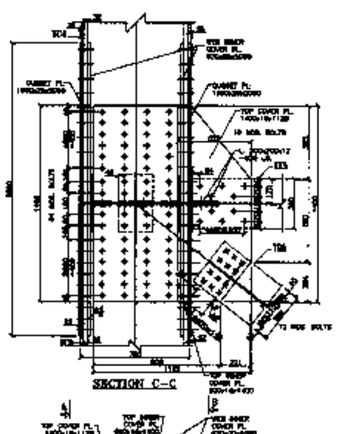


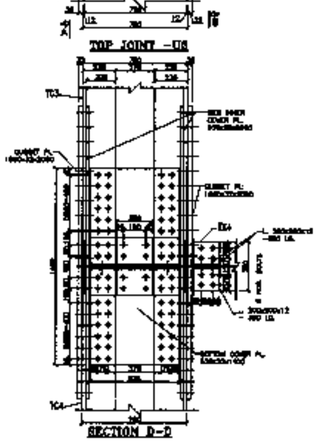


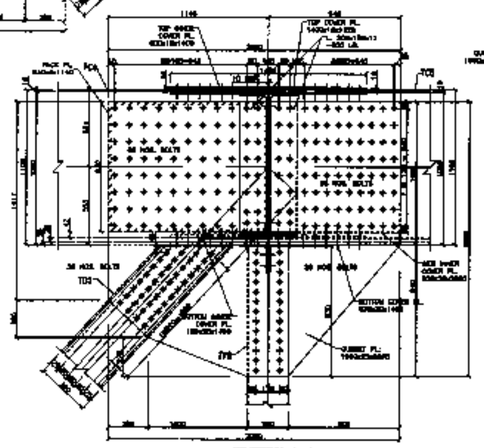


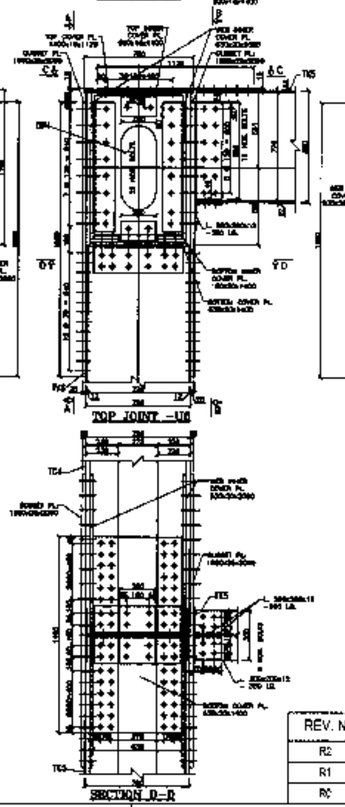


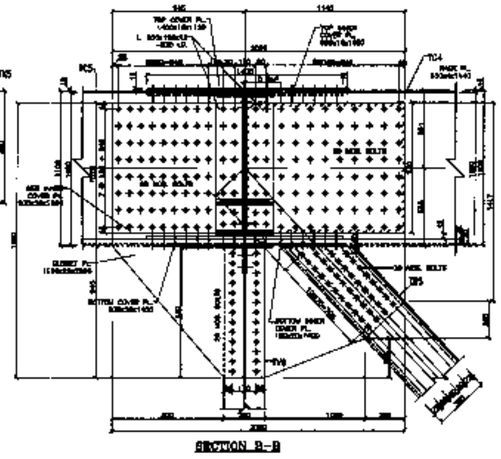


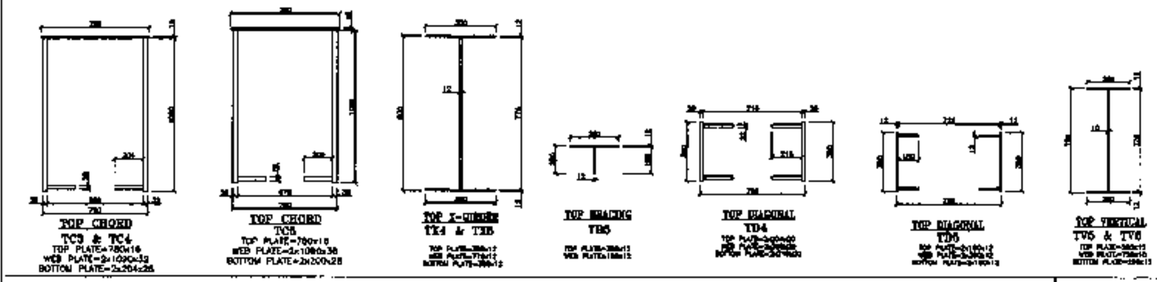












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3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWING.
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REV. NO.	DATE	DESCRIPTION
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R1	MAY 2012	REVISED AS PER CLIENT'S COMMENTS
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NTPC LIMITED

Consultancy Services for Preparation of DPR for construction of new 2 Lane Road Bridge adjacent to existing Bridge at RD 8.5 over feeder canal of Farakka in West Bengal

RITES
THE INFRASTRUCTURE PEOPLE
RITES BHAWAN 1, SECTOR 29, GURGAON 122 001

BRIDGE ACROSS FEEDER CANAL

DETAIL OF JOINT-U5 & U6
(FOR 80.0m SPAN)

Drg No. : Drg No. : RITES/HW/6884-30/NTPC-FARAKKA/BR/B/15

Sheet 3 of 4

Scale: As Above

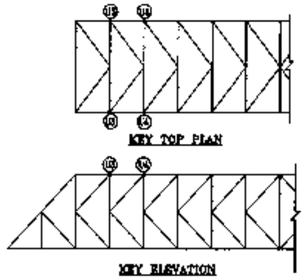
Dated : 13-07-2013

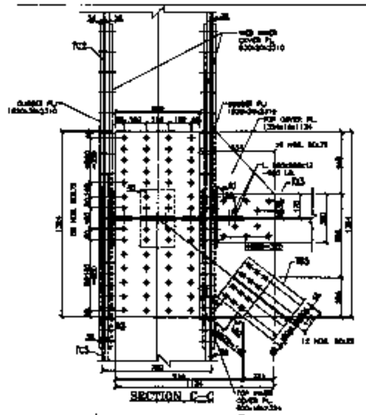
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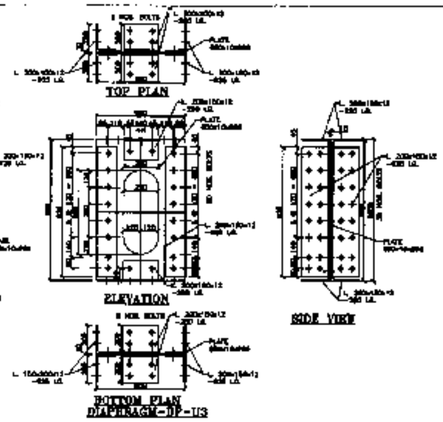
Approved by: T.M.

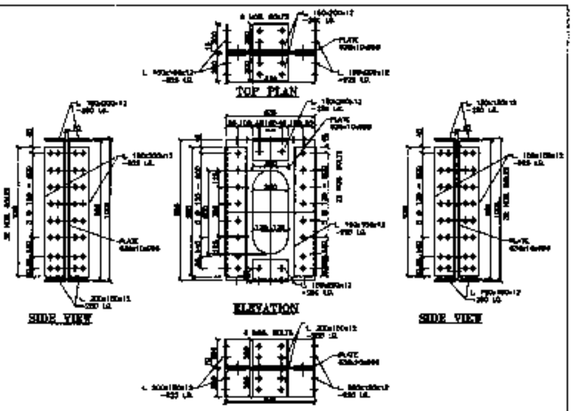
Designed by B.C.R.

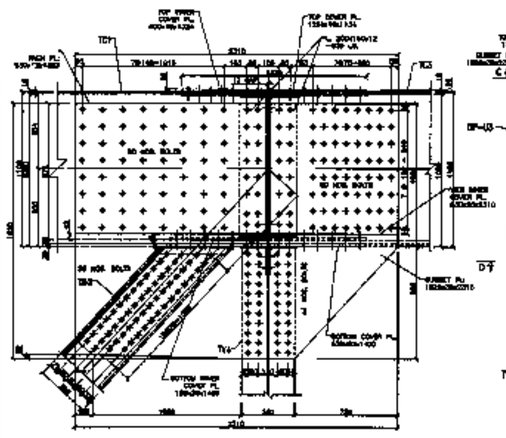
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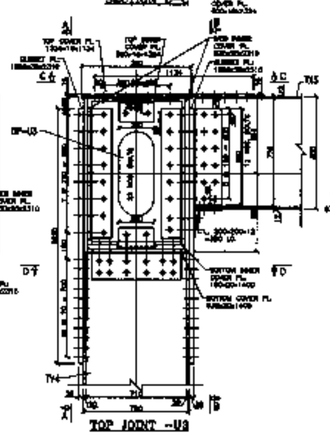


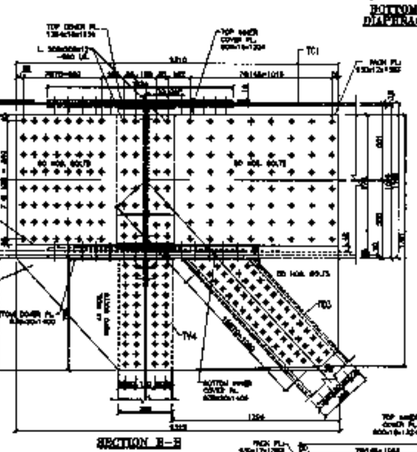


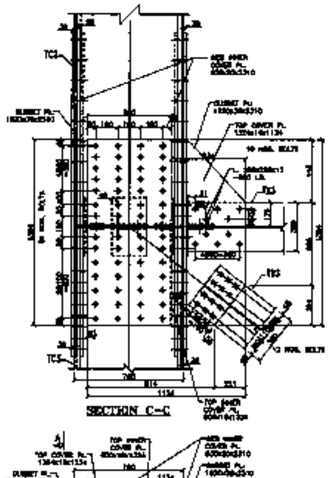


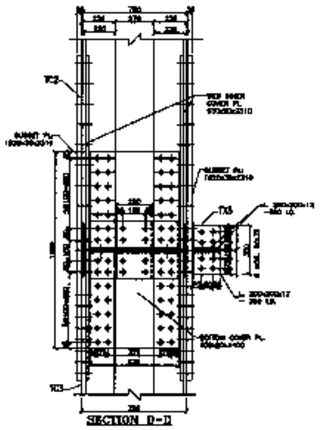


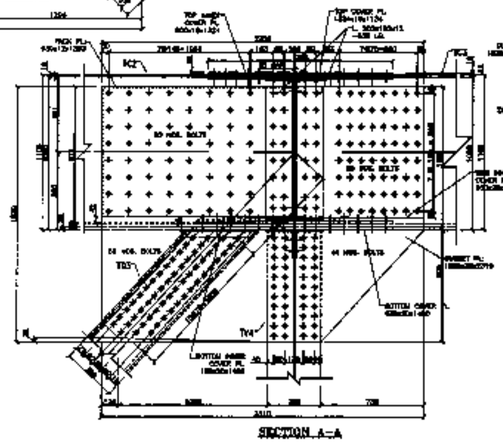


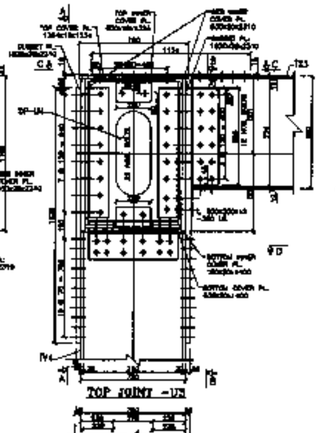


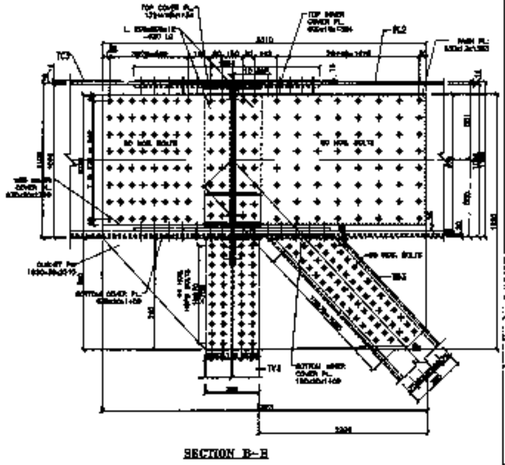


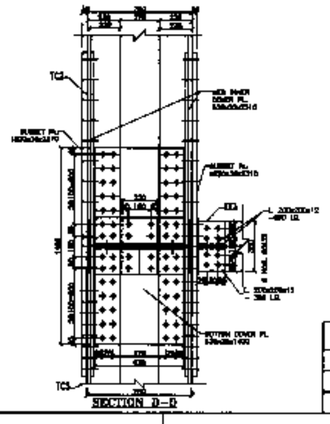






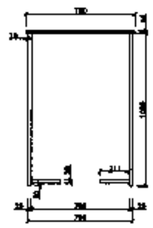


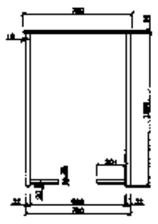


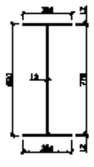


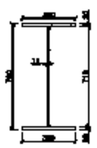
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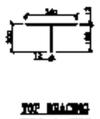
1. ALL DIMENSION ARE IN MILLIMETER AND LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ONLY WRITTEN DIMENSION SHALL BE FOLLOWED, NO DIMENSION ARE TO BE SCALED.
3. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   i) DECK SLAB – M40
   ii) CRASH BARRIER – M40
   iii) KERB & RAILING – M30
4. ALL STRUCTURAL STEEL SHALL CONFORM TO GRADE Equiv B OF IS:2062–2006 OR GRADE E250 OF QUALITY B0 OR EQUIVALENT CONFORM TO IS:2062–2011.
5. ALL CONNECTIONS MADE IN THE FABRICATIONS YARD SHALL BE WELDED AND ALL CONNECTIONS MADE AT SITE SHALL BE BY HSFG BOLTS UNLESS NOTE OTHERWISE.
6. STEEL MEMBERS SHALL BE FREE FROM IMPERFECTION (MILL SCALES, SLAG INTRUSIONS, LAMINATION, FITTING, RUSTS ETC.) THAT MAY IMPAIR STRENGTH DURABILITY AND APPEARANCE. ALL MATERIALS SHALL BE OF TESTED QUALITY.
7. ALL STRUCTURAL STEEL FABRICATION WORK SHALL BE CARRIED OUT AS PER RELEVANT INDIAN STANDARDS AND WORTH SPECIFICATIONS.
8. SCHEME OF ERECTION SHALL BE FINALIZED BY THE CONTRACTOR RESPONSE FOR EXECUTION. THE ERECTION SCHEME SHALL BE GOT APPROVED FROM THE ENGINEER PRIOR TO COMMENCEMENT OF WORK. SAFETY OF THE BRIDGE DURABLE ERECTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
9. CRITERIA FOR WELD TEST AND ACCEPTANCE SHALL BE STRICTLY AS PER THE WORTH SPECIFICATIONS.
10. MINIMUM THICKNESS 25mm CONSIDERED FOR GUSSET PLATE UNLESS OTHERWISE SPECIFIED.
11. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWING.
12. ALL BOLTS SHALL BE 24 DIA. IN 25.5 DIAMETER HOLES UNLESS OTHERWISE SPECIFIED.
13. ALL COMPONENTS OF BUILT-UP SECTIONS SHALL BE CONNECTED BY FULL PENETRATION BUTT WELD UNLESS MENTIONED OTHERWISE.

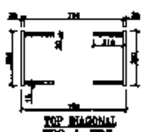












REV. NO.	DATE	DESCRIPTION
R2	APRIL 2014	MODIFIED FOR FATIGUE CONSIDERATION OF NEW CODE
R1	MAY 2012	REVISED AS PER CLIENT'S COMMENTS
R0	JANUARY 2012	INITIAL DRAWING

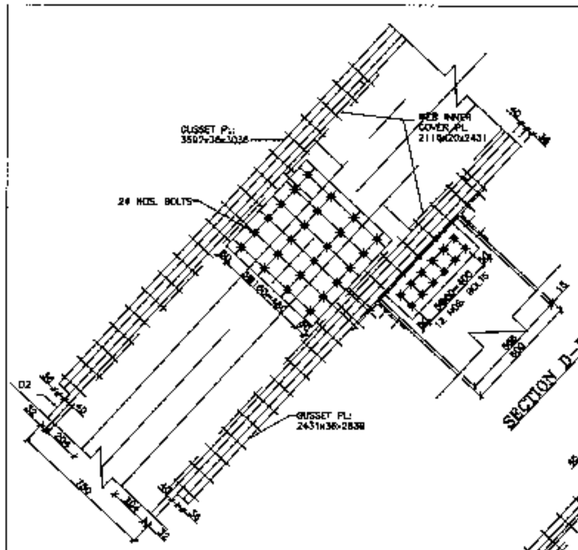
NTPC LIMITED	Consultancy Services for Preparation of DPR for construction of new 2 Lane Road Bridge adjacent to existing Bridge at RD 8.5 over feeder canal of Farakka in West Bengal	RITES THE INFRASTRUCTURE PEOPLE SITES BHAWAN I, SECTOR 29 GURGAON 122 001	BRIDGE ACROSS FEEDER CANAL DETAIL OF JOINT-U3 & U4 (FOR 80.0m SPAN)

Drg No. : Drg No : RITES/HW/5884-30/NTPC-FARAKKA/BR/B/15

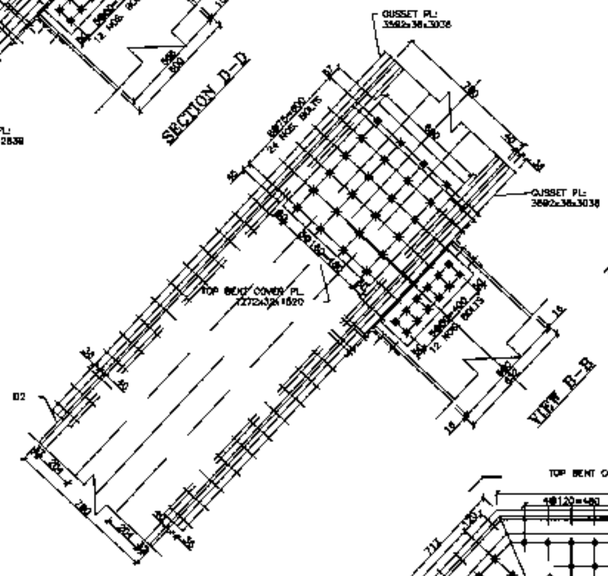
Sheet : 2 of 4 | Scale: As Above | Dated : 13-07-2013

Checked by: S.K.B | Approved by: T.M.

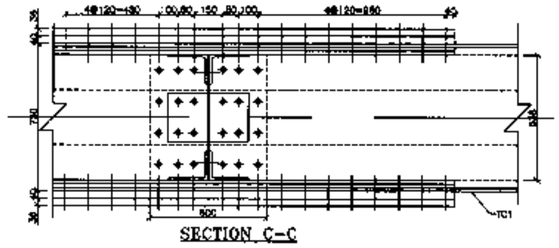
Designed by: B.C.R. | Drawn by: B.C.R.



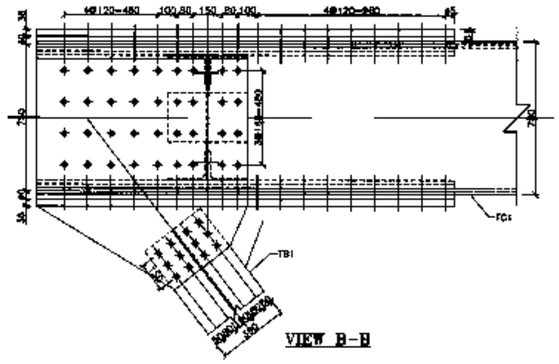
SECTION D-D



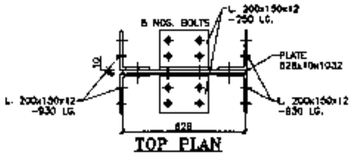
VIEW B-B



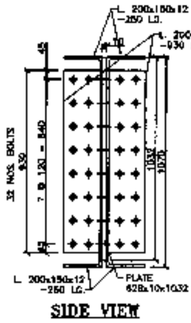
SECTION C-C



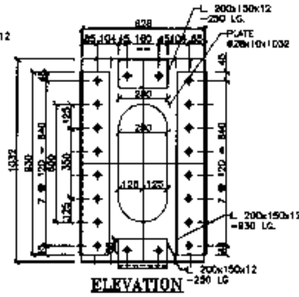
VIEW B-B



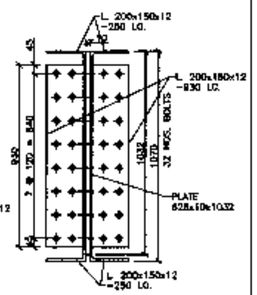
TOP PLAN



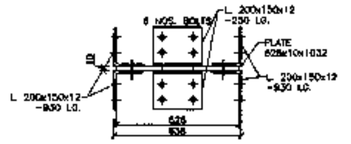
SIDE VIEW



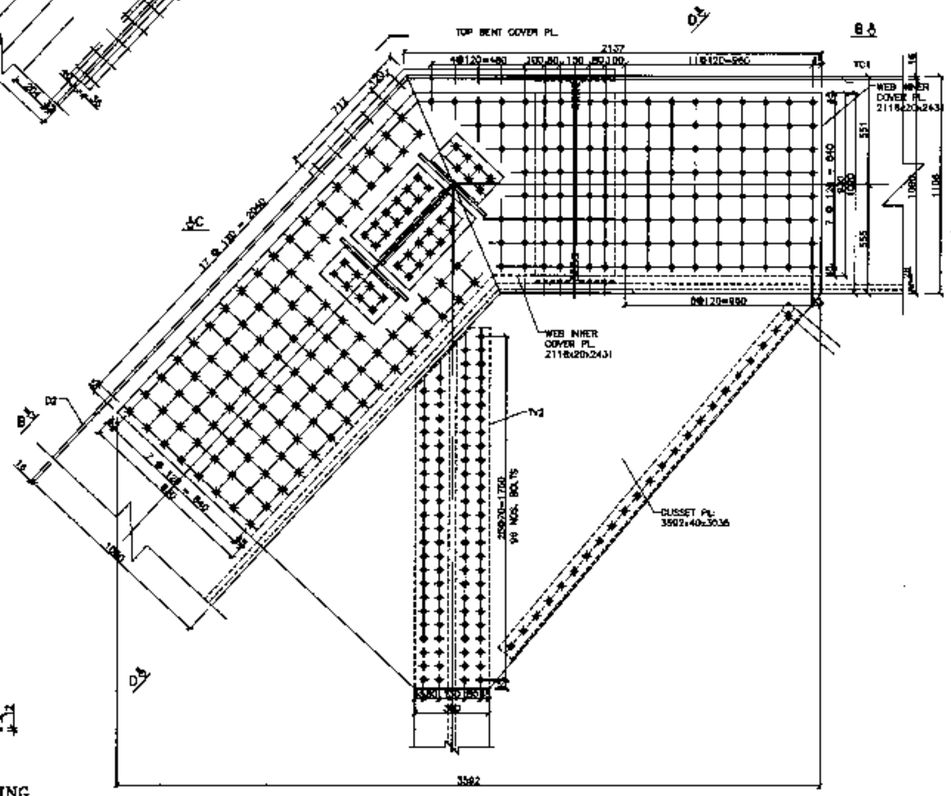
ELEVATION



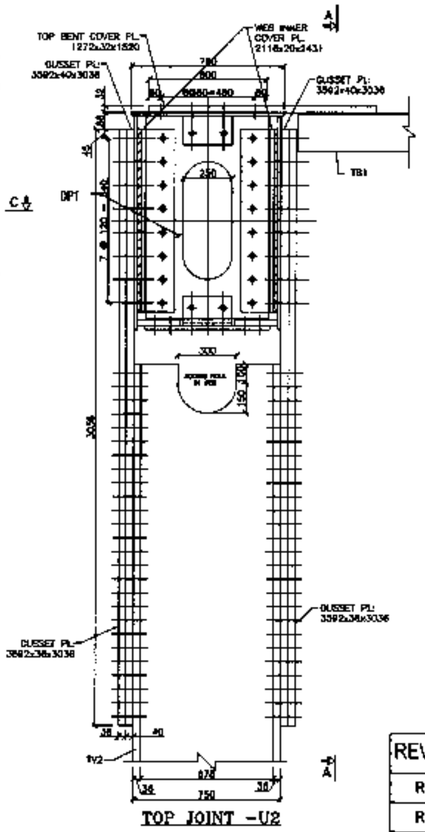
SIDE VIEW



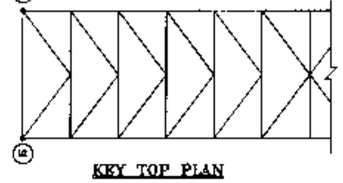
BOTTOM PLAN



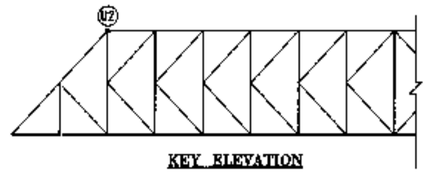
SECTION A-A



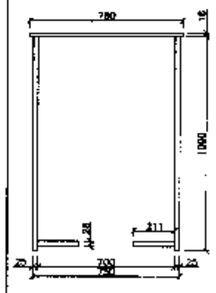
TOP JOINT -U2



KEY TOP PLAN

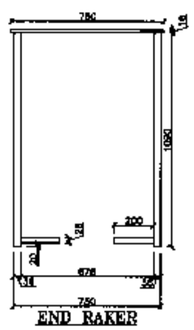


KEY ELEVATION



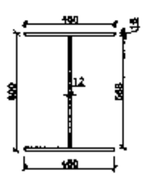
TOP CHORD
TC1

TOP PLATE=780x16
WEB PLATE=2x1090x25
BOTTOM PLATE=2x211x28



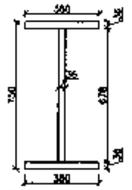
END RAKER
D2

TOP PLATE=780x16
WEB PLATE=2x1090x36
BOTTOM PLATE=2x200x28



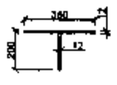
TOP X-GIRDER
TX1

TOP PLATE=460x16
WEB PLATE=568x12
BOTTOM PLATE=460x16



TOP VERTICAL
TV2

TOP PLATE=380x36
WEB PLATE=678x36
BOTTOM PLATE=380x36



TOP BRACING
TB1

TOP PLATE=360x12
WEB PLATE=188x12

NOTES:

1. ALL DIMENSION ARE IN MILLIMETER AND LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ONLY WRITTEN DIMENSION SHALL BE FOLLOWED. NO DIMENSION ARE TO BE SCALED.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWING.
4. FOR ALL OTHER NOTES REFER SHEET NO. 2 OF THIS DRAWING.

REV. NO:	DATE	DESCRIPTION
R2	APRIL 2014	MODIFIED FOR FATIGUE CONSIDERATION OF NEW CODE
R1	MAY 2012	REVISED AS PER CLIENT'S COMMENTS
R0	JANUARY 2012	INITIAL DRAWING

NTPC LIMITED

Consultancy Services for Preparation of DPR for construction of new 2 Lane Road Bridge adjacent to existing Bridge at RD 8.5 over feeder canal of Farakka in West Bengal

RITES
THE INFRASTRUCTURE PEOPLE
RITES BHAWAN 1 SEC CH 25,
GURGAON 122 001

BRIDGE ACROSS FEEDER CANAL

DETAIL OF JOINT-U2
(FOR 80.0m SPAN)

Drg No. : RITES/HW/6864-30/NTPC-FARAKKA/BR/B/15

Sheet : 1 of 4

Scale: As Above

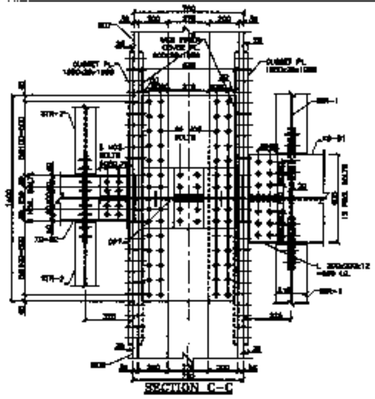
Dated : 13-07-2013

Checked by: S.K.B

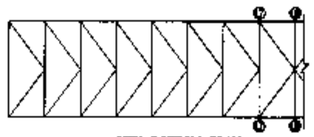
Approved by: T.M.

Designed by: B.C.R.

Drawn by: B.C.R

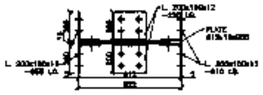


SECTION C-C

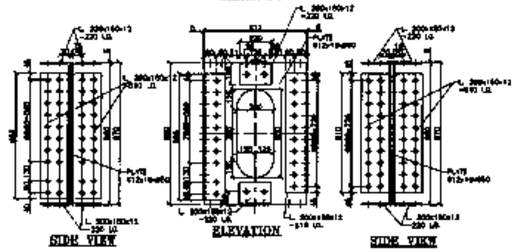


KEY BOTTOM PLAN

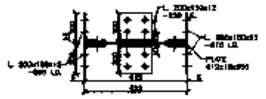
KEY ELEVATION



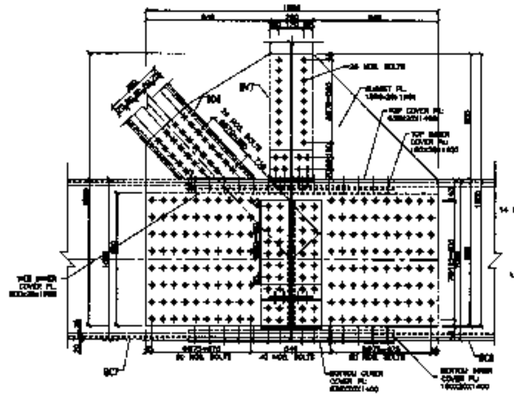
TOP PLAN



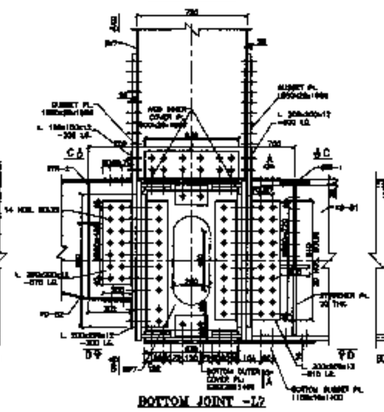
SIDE VIEW ELEVATION SIDE VIEW



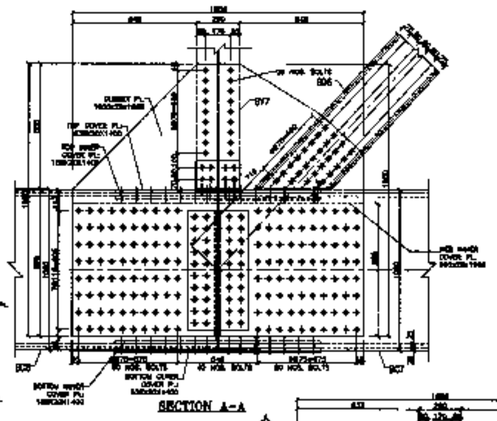
BOTTOM PLAN
DIAPHRAGM-DP7 & DP8



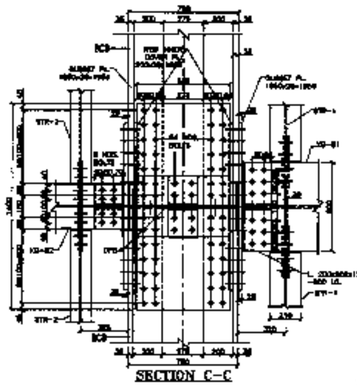
SECTION B-B



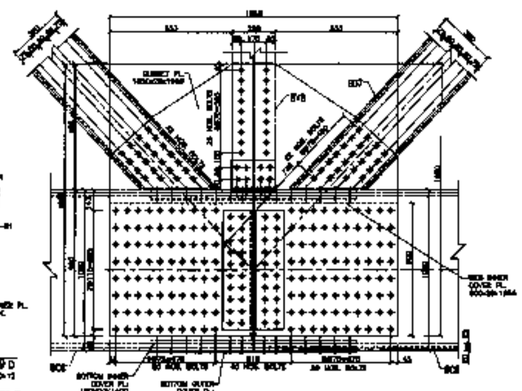
BOTTOM JOINT -L7



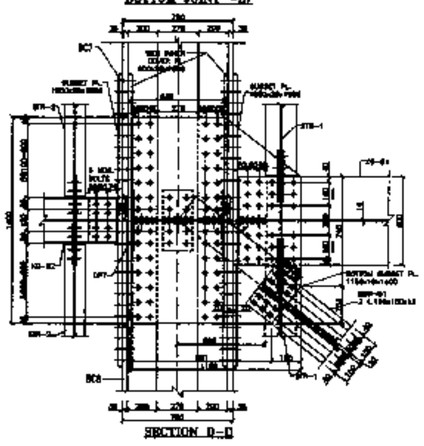
SECTION A-A



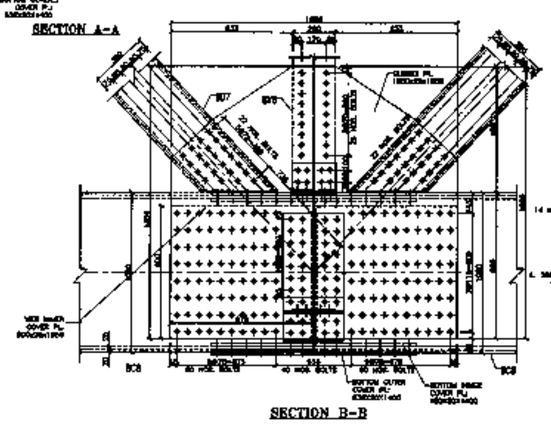
SECTION C-C



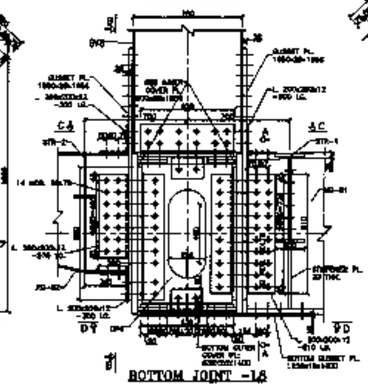
SECTION A-A



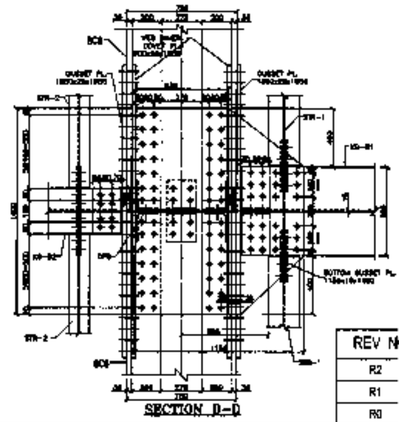
SECTION D-D



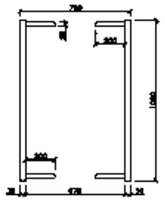
SECTION B-B



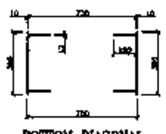
BOTTOM JOINT -L8



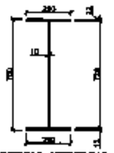
SECTION D-D



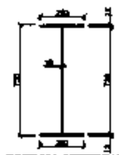
BOTTOM CHORD
BC7 & BC8



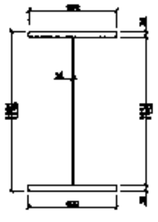
BOTTOM DIAGONAL
BD6 & BD7



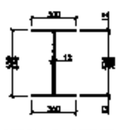
BOTTOM VERTICAL
BV7



BOTTOM VERTICAL
BV8



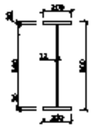
BOTTOM X-GIRDER
XG-B1



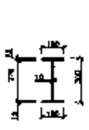
BOTTOM X-GIRDER
XG-B2



BOTTOM BRACING
BBR-B1



STRINGER
STR-1



STRINGER
STR-2

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REV NO:	DATE	DESCRIPTION
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NTPC LIMITED

Consultancy Services for Preparation of DPR for construction of new 2 Lane Road Bridge adjacent to existing Bridge at RD 8.5 over feeder canal of Farakka in West Bengal

RITES
THE INFRASTRUCTURE PEOPLE
RITES BHAWAN | SECTOR 25,
GURGAON - 22 001

BRIDGE ACROSS FEEDER CANAL

DETAIL OF BOTTOM JOINT-L8 & L7
(FOR 80.0m SPAN)

Drg No. . Drg No. : RITES/HW/6864-30/NTPC-FARAKKA/BR/B/14

Sheet : 5 of 5

Scale: As Above

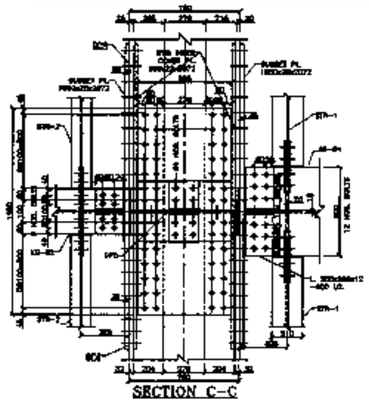
Dated : 13-07-2013

Checked by: S.K.B

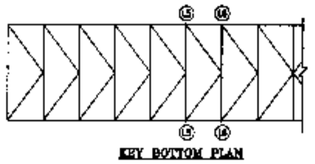
Approved by: T.M

Designed by: B.C.R.

Drawn by: B.C.R.

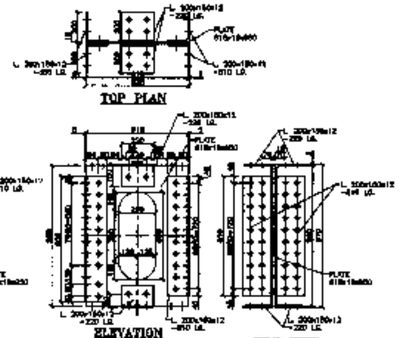


SECTION C-C



KEY BOTTOM PLAN

KEY ELEVATION



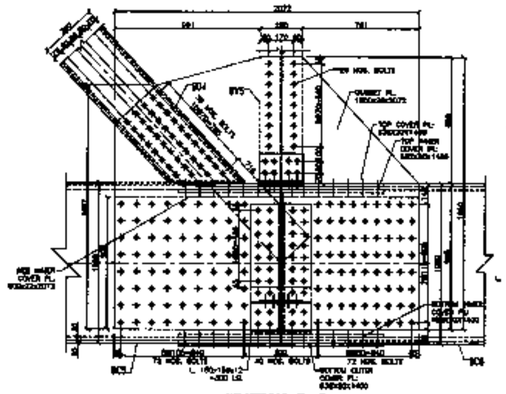
TOP PLAN

SIDE VIEW

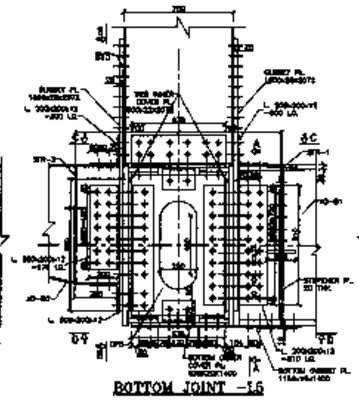
ELEVATION

SIDE VIEW

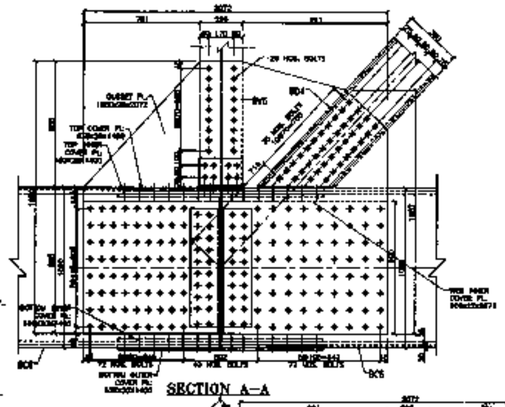
BOTTOM PLAN
DIAPHRAGM-DP6



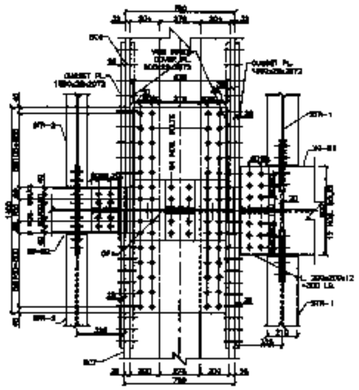
SECTION B-B



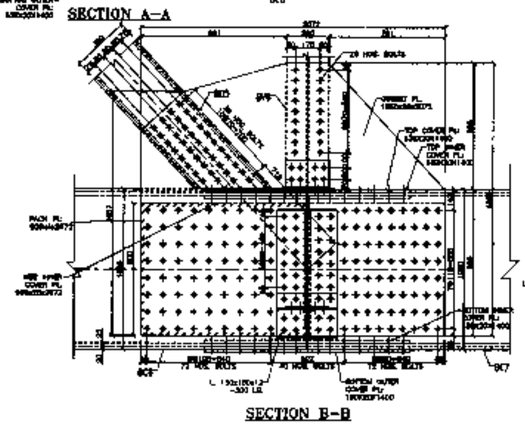
BOTTOM JOINT -L5



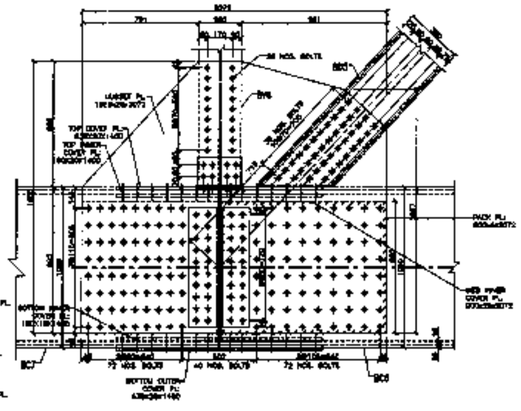
SECTION A-A



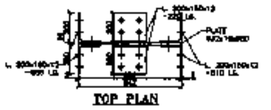
SECTION C-C



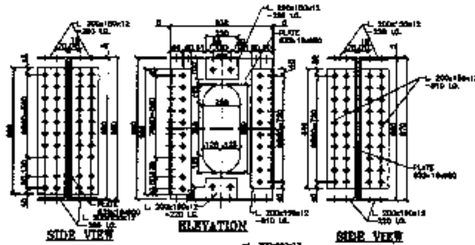
SECTION B-B



SECTION A-A



TOP PLAN

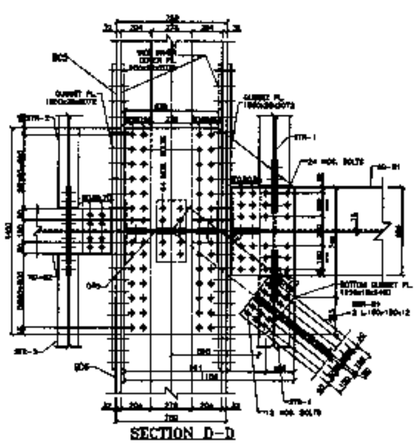


SIDE VIEW

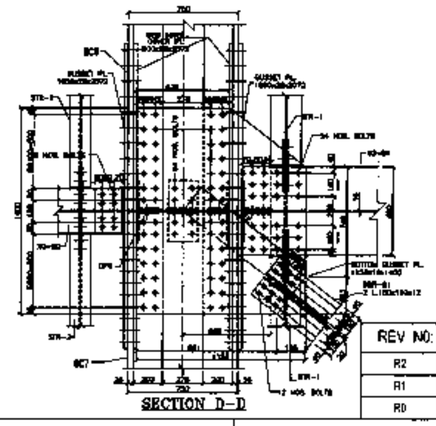
ELEVATION

SIDE VIEW

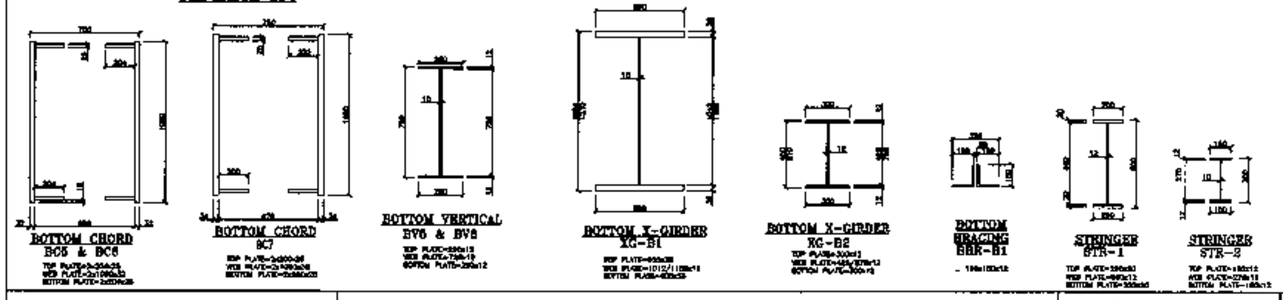
BOTTOM PLAN
DIAPHRAGM-DP5



SECTION D-D



SECTION D-D



BOTTOM CHORD
BC5 & BC6

BOTTOM CHORD
BC7

BOTTOM VERTICAL
BV6 & BV8

BOTTOM X-GIRDER
XG-B1

BOTTOM X-GIRDER
XG-B2

BOTTOM
BRACING
BBR-B1

STRINGER
STR-1

STRINGER
STR-2

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NTPC LIMITED

Consultancy Services for Preparation of DPR for construction of new 2 Lane Road Bridge adjacent to existing Bridge at RD 8.5 over feeder canal of Farakka in West Bengal

RITES
THE INFRASTRUCTURE PEOPLE
RITES BHAWAN, 1, SECTOR 29,
GURGAON 122 001

BRIDGE ACROSS FEEDER CANAL

DETAIL OF BOTTOM JOINT - L5 & L6
(FOR 80.0m SPAN)

Drg No. : Drg No. : RITES/HW/6864-30/NTPC-FARAKKA/BR/B/14

Sheet : 4 of 5

Scale: As Above

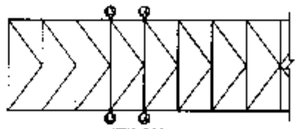
Dated : 13-07-2013

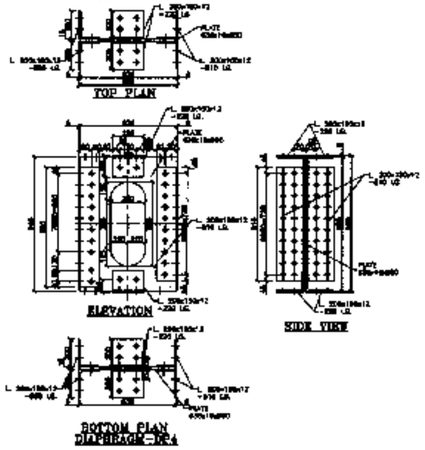
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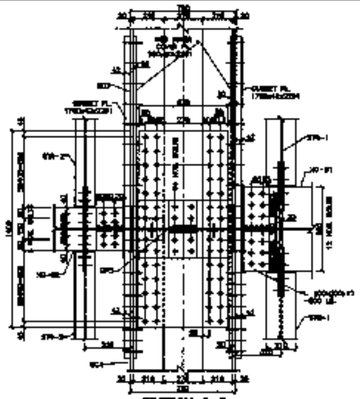
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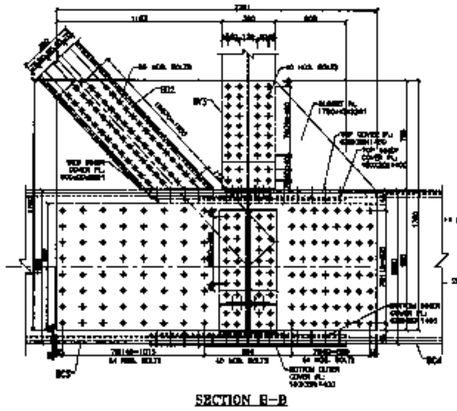
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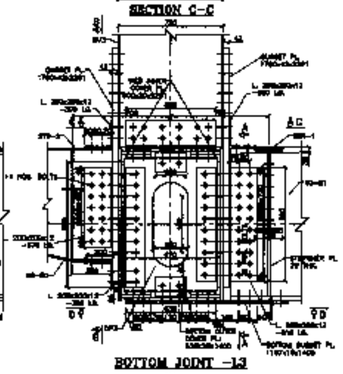
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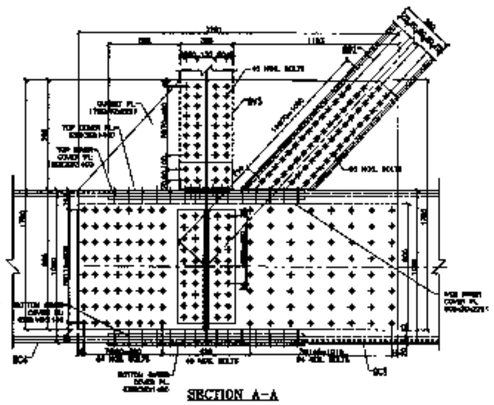


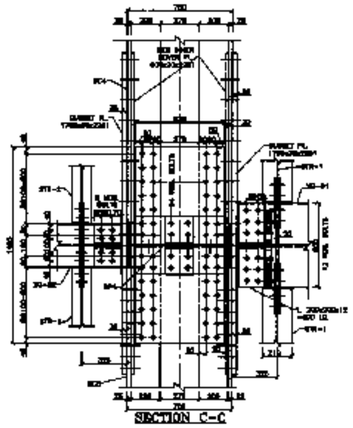


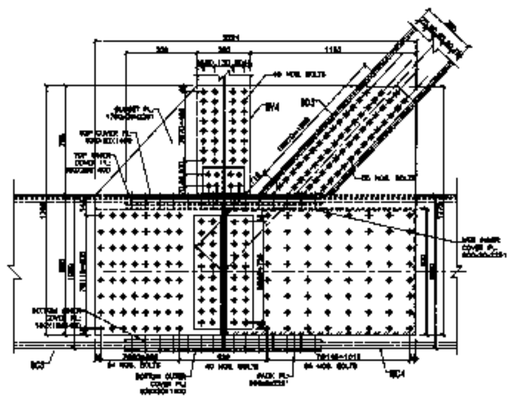


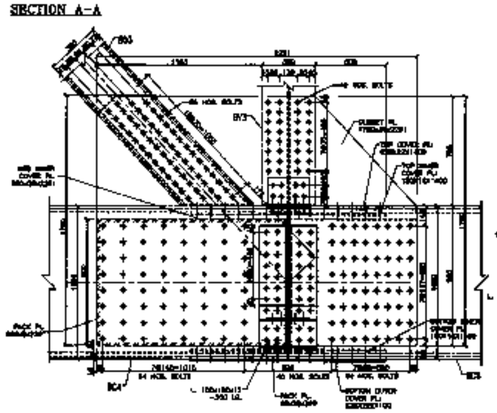


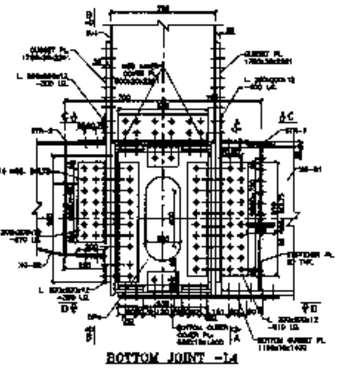


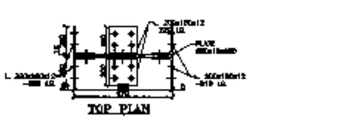


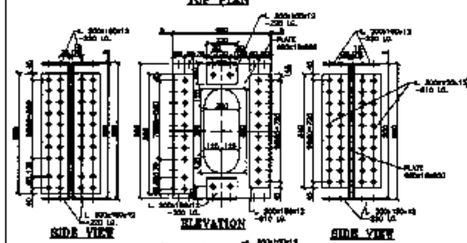


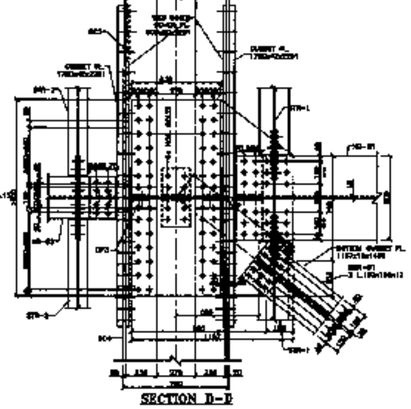


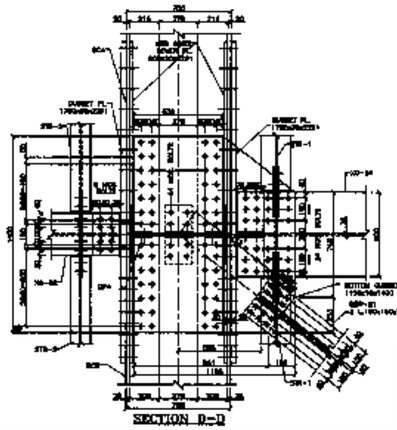


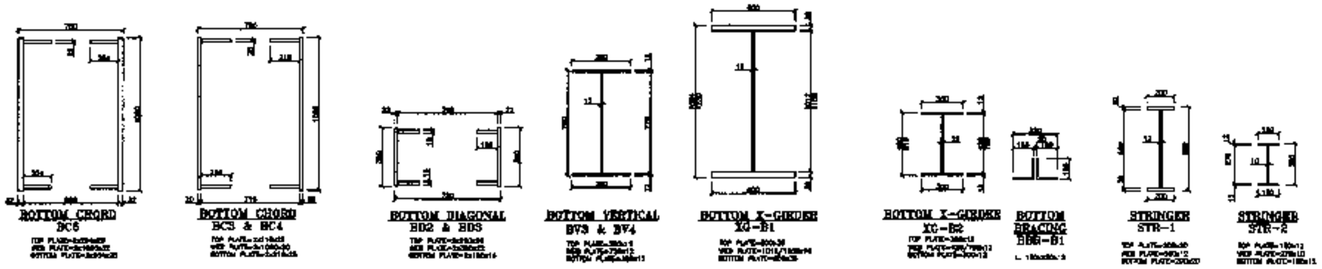












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NTPC LIMITED

Consultancy Services for Preparation of DPR for construction of new 2 Lane Road Bridge adjacent to existing Bridge at RD 8.5 over feeder canal of Farakka in West Bengal

RITES
THE INFRASTRUCTURE PEOPLE
RITES BHAWAN 1 SECTOR 29,
GURGAON 122 001

BRIDGE ACROSS FEEDER CANAL

DETAIL OF BOTTOM JOINT - L3 & L4
(FOR 80.0m SPAN)

Drg No. : Drg No. RITES/HW/6864-30/NTPC-FARAKKA/BR/B/14

Sheet : 3 of 5

Scale: As Above

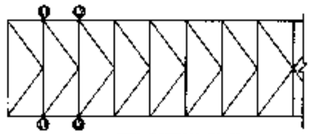
Dated : 13-07-2013

Checked by: S.K.B

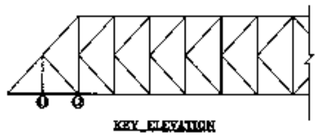
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Designed by: B.C.R.

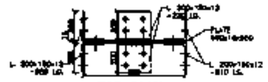
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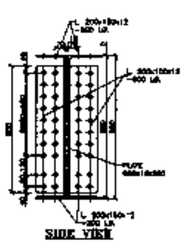
KEY BOTTOM PLAN



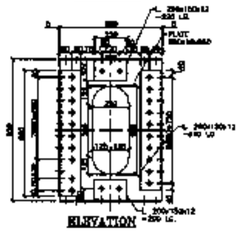
KEY ELEVATION



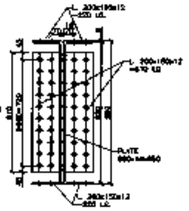
TOP PLAN



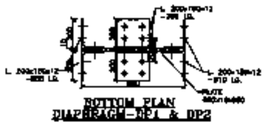
SIDE VIEW



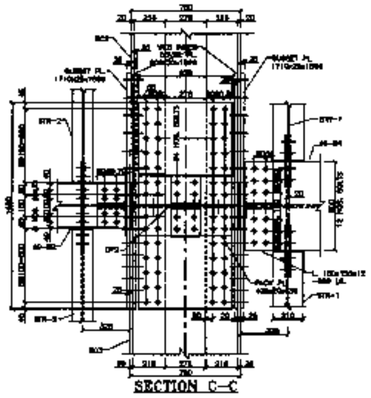
ELEVATION



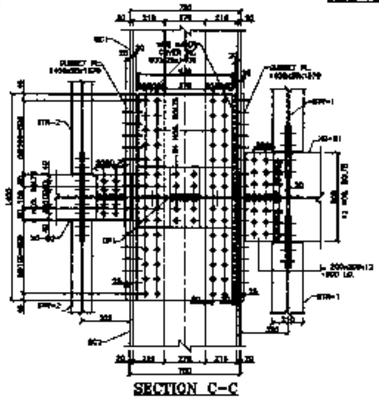
SIDE VIEW



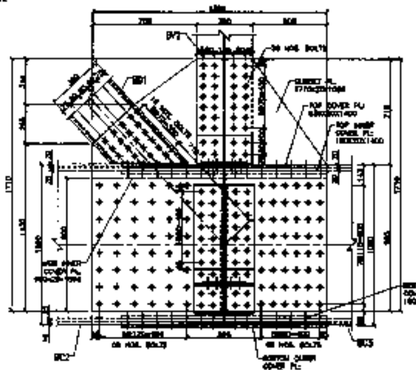
BOTTOM PLAN
DIAPHRAGM-DP1 & DP2



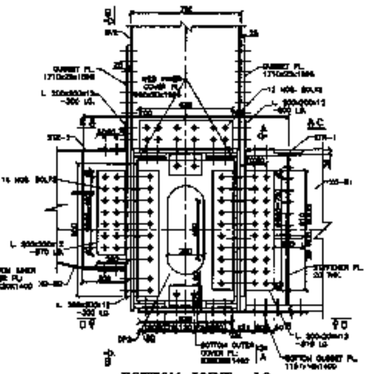
SECTION C-C



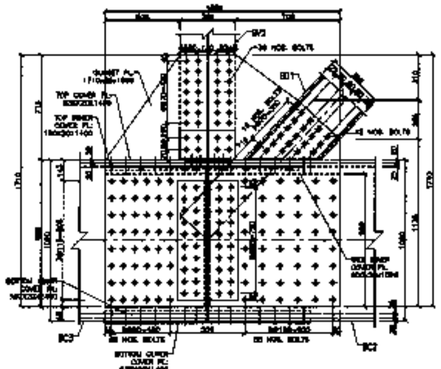
SECTION C-C



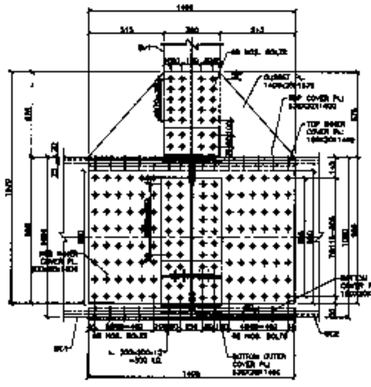
SECTION B-B



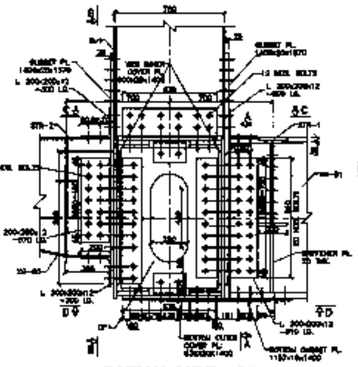
BOTTOM JOINT -L2



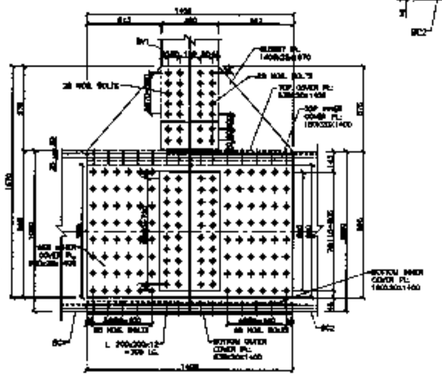
SECTION A-A



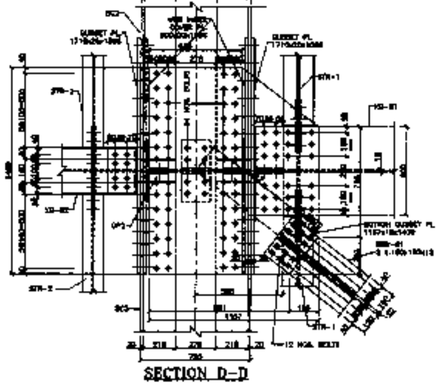
SECTION B-B



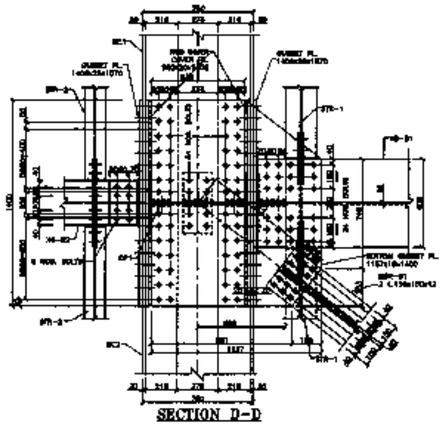
BOTTOM JOINT -L1



SECTION A-A



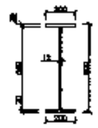
SECTION D-D



SECTION D-D



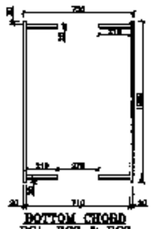
BOTTOM BRACING
BBR-B1



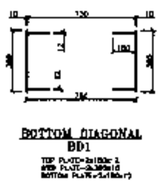
STRINGER
STR-1



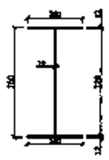
STRINGER
STR-2



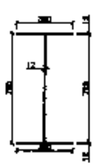
BOTTOM CHORD
BC1, BC2 & BC3



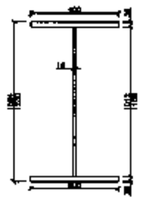
BOTTOM DIAGONAL
BD1



BOTTOM VERTICAL
BV1



BOTTOM VERTICAL
BV2



BOTTOM X-GIRDER
XG-B1



BOTTOM X-GIRDER
XG-B2

NOTES:

1. ALL DIMENSION ARE IN MILIMETER AND LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ONLY WRITTEN DIMENSION SHALL BE FOLLOWED. NO DIMENSION ARE TO BE SCALED.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWING.
4. FOR ALL OTHER NOTES REFER SHEET 1 OF THIS DRAWINGS.

REV. NO:	DATE	DESCRIPTION
R2	APRIL 2014	MODIFIED FOR FATIGUE CONSIDERATION OF NEW CODE
R1	MAY 2012	REVISED AS PER CLIENT'S COMMENTS
R0	JANUARY 2012	INITIAL DRAWING

NTPC LIMITED

Consultancy Services for Preparation of DPR for construction of new 2 Lane Road Bridge adjacent to existing Bridge at RD 8.5 over feeder canal of Farakka in West Bengal

RITES
THE INFRASTRUCTURE PEOPLE
RITES BHAWAN, SECTOR 29, GURGAON 122 001

BRIDGE ACROSS FEEDER CANAL

DETAIL OF BOTTOM JOINT - L1 & L2
(FOR 80.0m SPAN)

Drg No. : Drg No. : RITES/HW/6864-30/NTPC-FARAKKA/BR/B/14

Sheet : 2 of 5

Scale: As Above

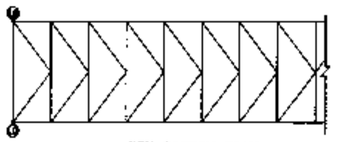
Dated : 13-07-2013

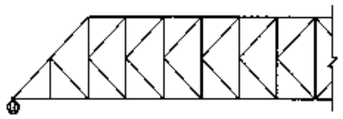
Checked by: S.K.B

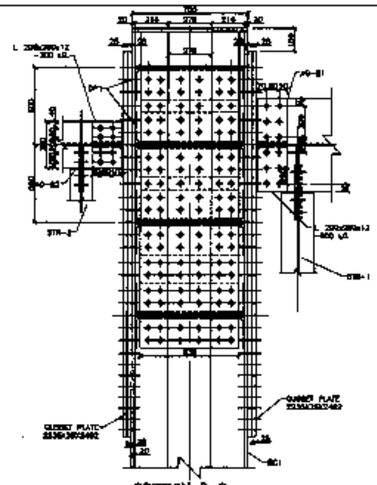
Approved by T.M.

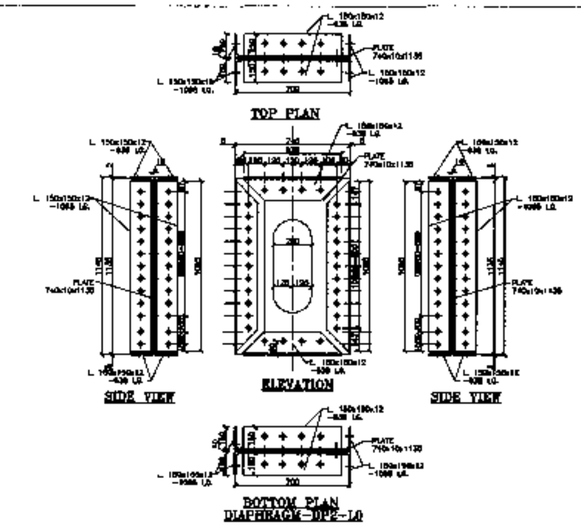
Designed by: B.C.R.

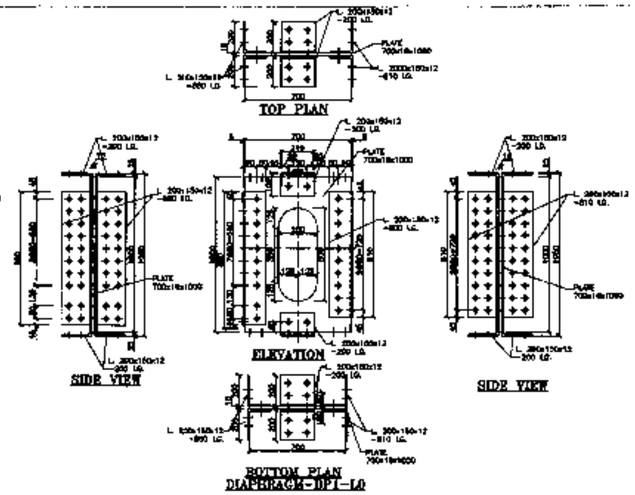
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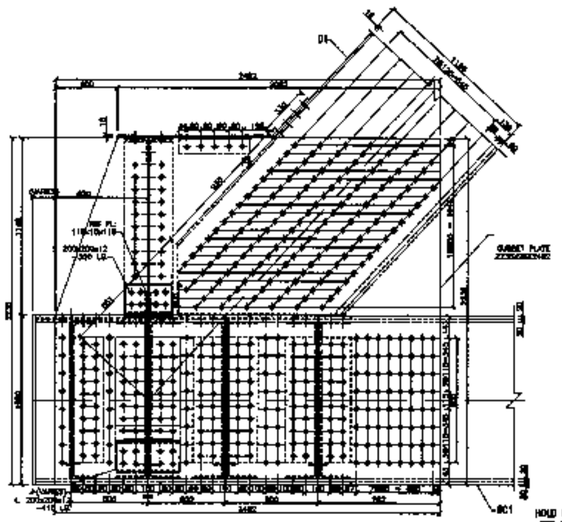

KEY BOTTOM PLAN

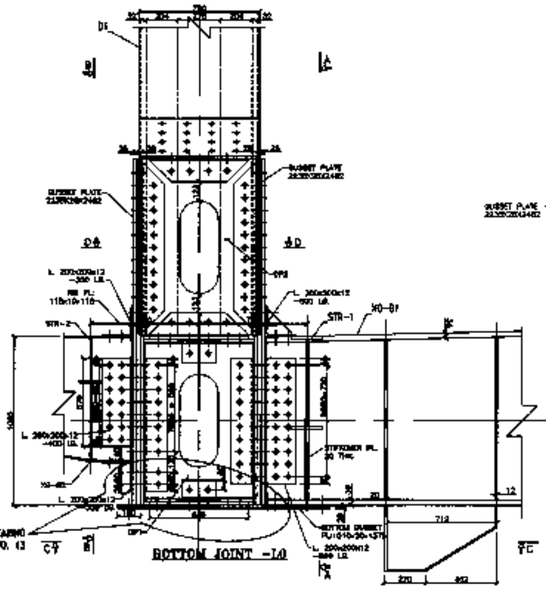

KEY ELEVATION

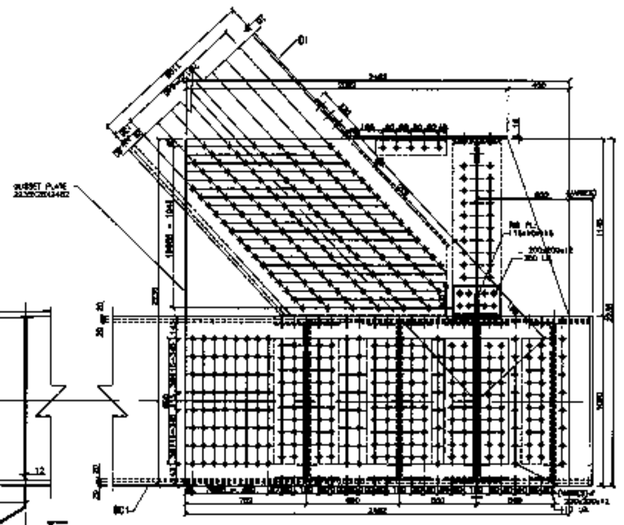

SECTION D-D


TOP PLAN
SIDE VIEW
ELEVATION
SIDE VIEW
BOTTOM PLAN
DIAPHRAGM-DP2-L0


TOP PLAN
SIDE VIEW
ELEVATION
SIDE VIEW
BOTTOM PLAN
DIAPHRAGM-DP1-L0

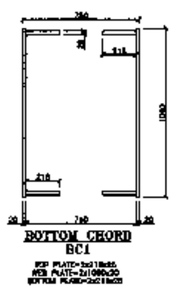

VIEW B-B

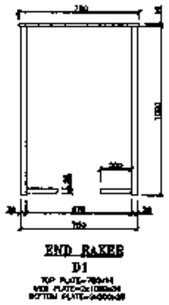

BOTTOM JOINT -L0

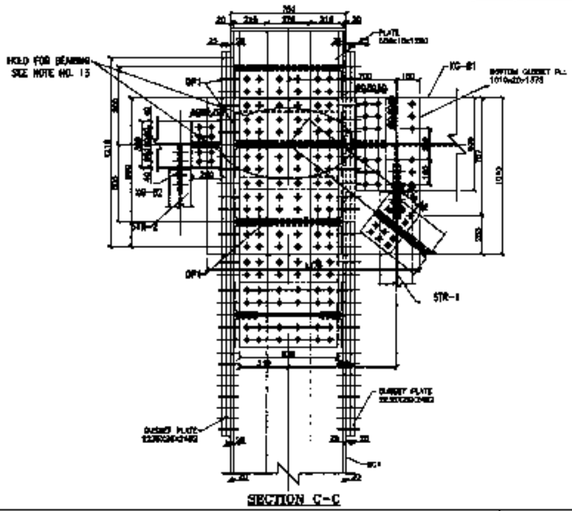

VIEW A-A

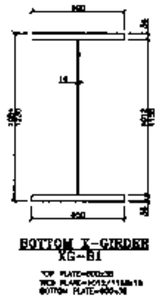
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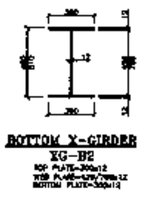
1. ALL DIMENSION ARE IN MILLIMETER AND LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ONLY WRITTEN DIMENSION SHALL BE FOLLOWED. NO DIMENSION ARE TO BE SCALED.
3. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   i) DECK SLAB – M40
   ii) CRASH BARRIER – M40
   iii) KERB & RAILING – M30
4. ALL STRUCTURAL STEEL SHALL CONFORM TO GRADE Fe410W B OF IS 2062–2006 OR GRADE E250 OF QUALITY BO OR EQUIVALENT CONFORM TO IS:2062–2011.
5. ALL CONNECTIONS MADE IN THE FABRICATIONS YARD SHALL BE WELDED AND ALL CONNECTIONS MADE AT SITE SHALL BE BY HSFG BOLTS UNLESS NOTE OTHERWISE.
6. STEEL MEMBERS SHALL BE FREE FROM IMPERFECTION (MILL SCALES, SLAG INTRUSIONS, LAMINATION, PITTING, RUSTS ETC.) THAT MAY IMPAIR STRENGTH DURABILITY AND APPEARANCE. ALL MATERIALS SHALL BE OF TESTED QUALITY.
7. ALL STRUCTURAL STEEL FABRICATION WORK SHALL BE CARRIED OUT AS PER RELEVANT INDIAN STANDARDS AND MORTH SPECIFICATIONS.
8. SCHEME OF ERECTION SHALL BE FINALIZED BY THE CONTRACTOR RESPONSE FOR EXECUTION, THE ERECTION SCHEME SHALL BE GOT APPROVED FROM THE ENGINEER PRIOR TO COMMENCEMENT OF WORK. SAFETY OF THE BRIDGE DURING ERECTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
9. CRITERIA FOR WELD TEST AND ACCEPTANCE SHALL BE STRICTLY AS PER THE MORT&H SPECIFICATIONS.
10. MINIMUM THICKNESS 25mm CONSIDERED FOR GUSSET PLATE UNLESS OTHERWISE SPECIFIED.
11. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWING.
12. ALL BOLTS SHALL BE 24 DIA. IN 25.5 DIAMETER HOLES UNLESS OTHERWISE SPECIFIED.
13. THIS DRAWING SHALL BE MODIFIED AFTER FINALIZATION OF SIZE AND CONNECTIONS OF BEARING ACCORDING TO BEARING MANUFACTURER'S RECOMMENDATION.
14. ALL COMPONENTS OF BUILT-UP SECTIONS SHALL BE CONNECTED BY FULL PENETRATION BUTT WELD UNLESS MENTIONED OTHERWISE.


BOTTOM CHORD
BC1

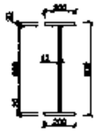

END RAKER
D1

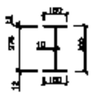

SECTION C-C


BOTTOM X-GIRDER
XG-B1


BOTTOM X-GIRDER
XG-B2

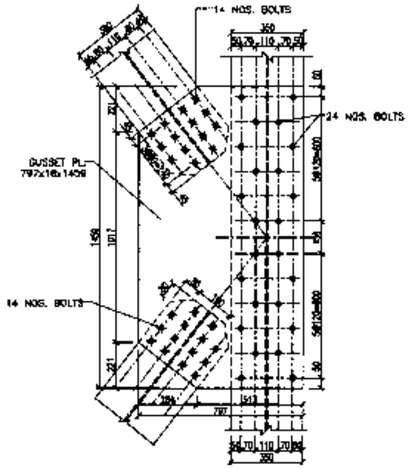

BOTTOM BRACING
BBR-B1


STRINGER
STR-1

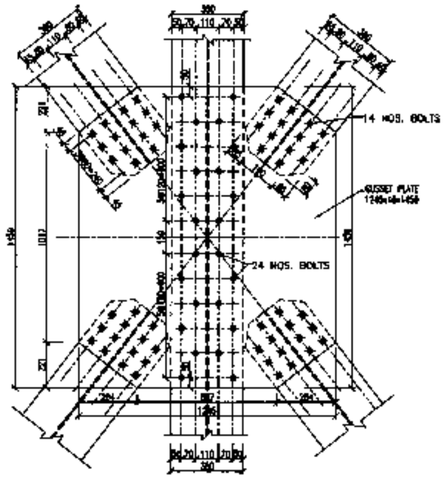

STRINGER
STR-2

REV. NO.	DATE	DESCRIPTION
R2	APRIL 2014	MODIFIED FOR FATIGUE CONSIDERATION OF NEW CODE
R1	MAY 2013	REVISED AS PER CLIENT'S COMMENTS
R0	JANUARY	INITIAL DRAWING

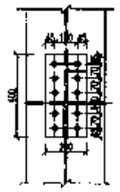
NTPC LIMITED	Consultancy Services for Preparation of DPR for construction of new 2 Lane Road Bridge adjacent to existing Bridge at RD 8.5 over feeder canal of Farakka in West Bengal	RITES THE INFRASTRUCTURE PEOPLE RITES BHAWAN 1 SECTOR 29, GURGAON 122 001	BRIDGE ACROSS FEEDER CANAL DETAIL OF BOTTOM JOINT - L0 (FOR 80.0m SPAN)	Drg No : RITES/HW/6684-30/NTPC-FARAKKA/BR/B/14 Sheet : 1 of 5 Scale: Dated : 13-07-2013 Checked by: S.K.B Approved by: T.M Designed by: B.C.R Drawn by: B.C.R



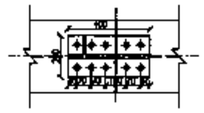
DETAIL OF JOINT MKD: UM3 TO UM7



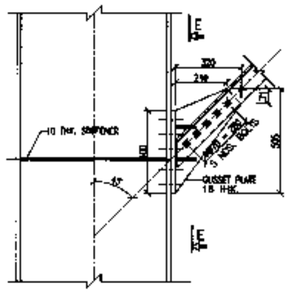
DETAIL OF JOINT MKD: UM8



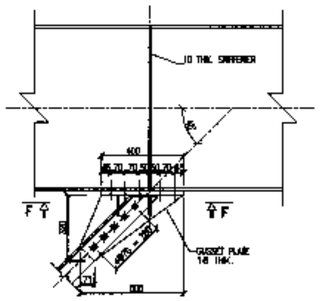
VIEW E-E



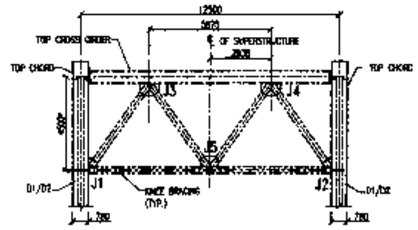
VIEW F-F



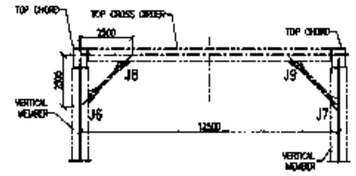
DETAIL OF JOINT MKD: J6 J7



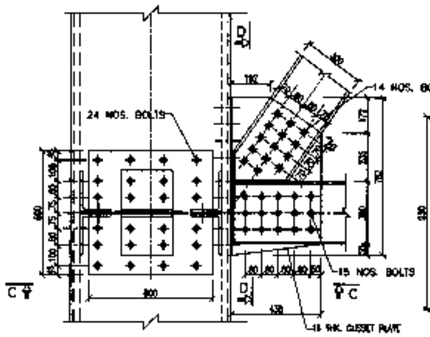
DETAIL OF JOINT MKD: J8 J9



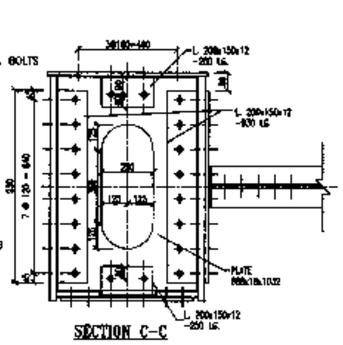
KEY SECTION A-A



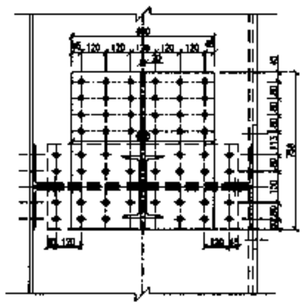
KEY SECTION B-B



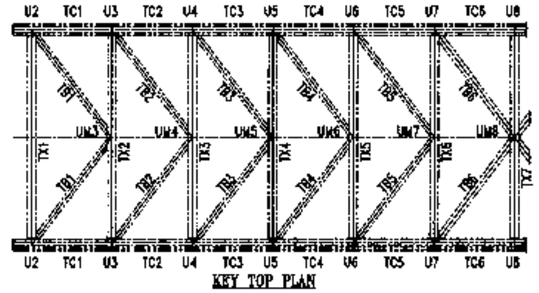
DETAIL OF JOINT MKD: J1,J2



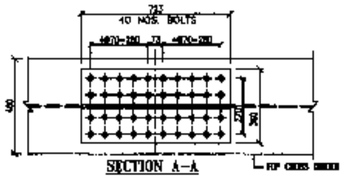
SECTION C-C



SECTION D-D



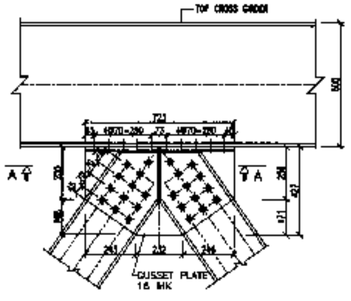
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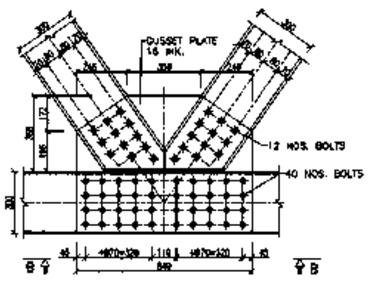
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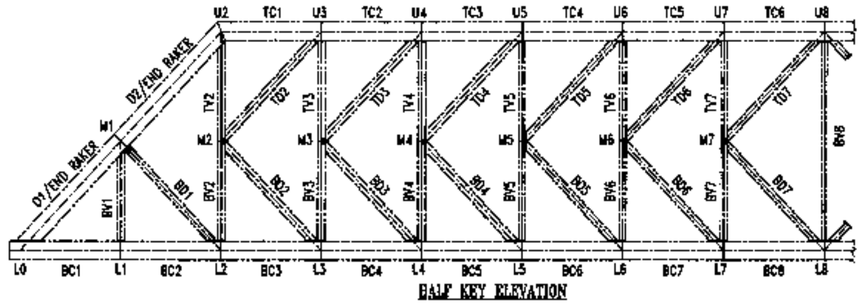
SECTION B-B



DETAIL OF JOINT MKD: J3,J4



DETAIL OF JOINT MKD: J5



HALF KEY ELEVATION

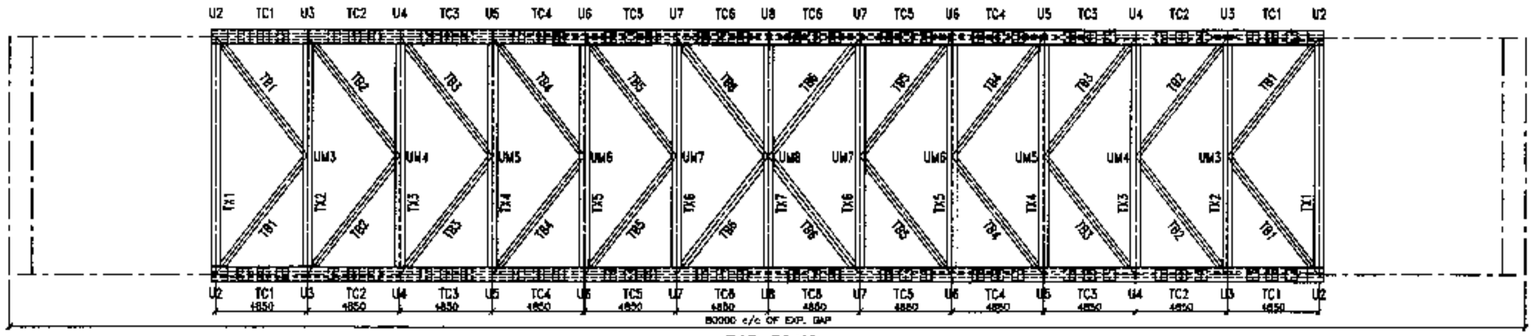
NOTES:

1. ALL DIMENSION ARE IN MILLIMETER AND LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ONLY WRITTEN DIMENSION SHALL BE FOLLOWED. NO DIMENSION ARE TO BE SCALED.
3. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   i) DECK SLAB – M40
   ii) CRASH BARRIER – M40
   iii) KERB & RAILING – M30
4. ALL STRUCTURAL STEEL SHALL CONFORM TO GRADE Fe410W B OF IS:2062-2006 OR GRADE E250 OF QUALITY B0 OR EQUIVALENT CONFORM TO IS:2062-2011.
5. ALL CONNECTIONS MADE IN THE FABRICATIONS YARD SHALL BE WELDED AND ALL CONNECTIONS MADE AT SITE SHALL BE BY HSFG BOLTS UNLESS NOTE OTHERWISE
6. STEEL MEMBERS SHALL BE FREE FROM IMPERFECTION (MILL SCALES, SLAG INTRUSIONS, LAMINATION, PITTING, RUSTS ETC.) THAT MAY IMPAIR STRENGTH DURABILITY AND APPEARANCE. ALL MATERIALS SHALL BE OF TESTED QUALITY.
7. ALL STRUCTURAL STEEL FABRICATION WORK SHALL BE CARRIED OUT AS PER RELEVANT INDIAN STANDARDS AND MORTH SPECIFICATIONS.
8. SCHEME OF ERECTION SHALL BE FINALIZED BY THE CONTRACTOR RESPONSE FOR EXECUTION. THE ERECTION SCHEME SHALL BE GOT APPROVED FROM THE ENGINEER PRIOR TO COMMENCEMENT OF WORK. SAFETY OF THE BRIDGE DURING ERECTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
9. CRITERIA FOR WELD TEST AND ACCEPTANCE SHALL BE STRICTLY AS PER THE MORT&H SPECIFICATIONS.
10. MINIMUM THICKNESS 25mm CONSIDERED FOR GUSSET PLATE UNLESS OTHERWISE SPECIFIED.
11. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWING.
12. ALL BOLTS SHALL BE 24 DIA. IN 25.5 DIAMETER HOLES UNLESS OTHERWISE SPECIFIED.
13. ALL COMPONENTS OF BUILT-UP SECTIONS SHALL BE CONNECTED BY FULL PENETRATION BUTT WELD UNLESS MENTIONED OTHERWISE.

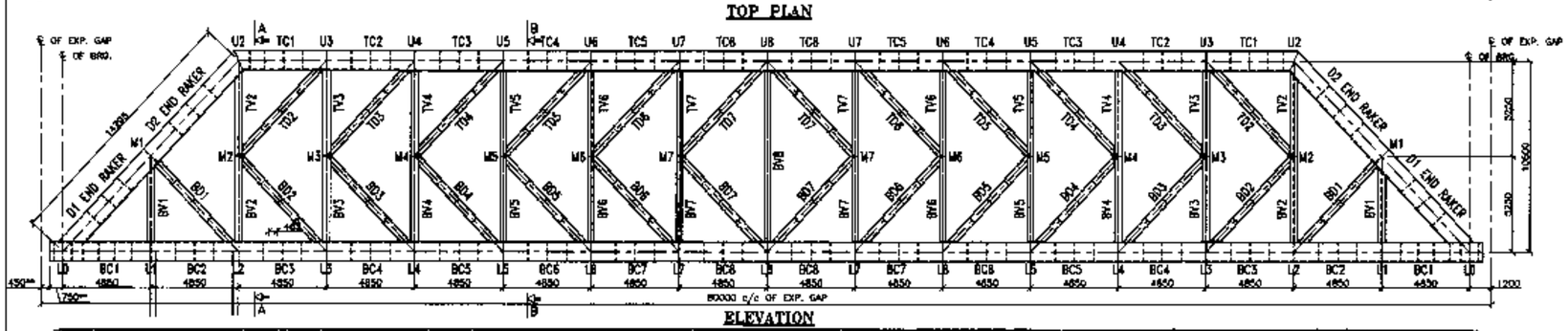
REV. NO	DATE	DESCRIPTION
R2	APRIL 2014	MODIFIED FOR FATIGUE CONSIDERATION OF NEW CODE
R1	MAY 2012	REVISED AS PER CLIENT'S COMMENTS
R0	JANUARY	INITIAL DRAWING

NTPC LIMITED	Consultancy Services for Preparation of DPR for construction of new 2 Lane Road Bridge adjacent to existing Bridge at RD 8.5 over feeder canal of Farakka in West Bengal	RITES THE INFRASTRUCTURE PEOPLE RITES BHAVAN, 1 SECTOR 29, GURGAON 122 001	BRIDGE ACROSS FEEDER CANAL DETAIL OF PORTAL BRACING JOINTS J1 TO J5, SWAY BRACING JOINTS J6 & J7 & TOP BRACING JOINTS UM3 TO UM8 (FOR 80.0m SPAN)

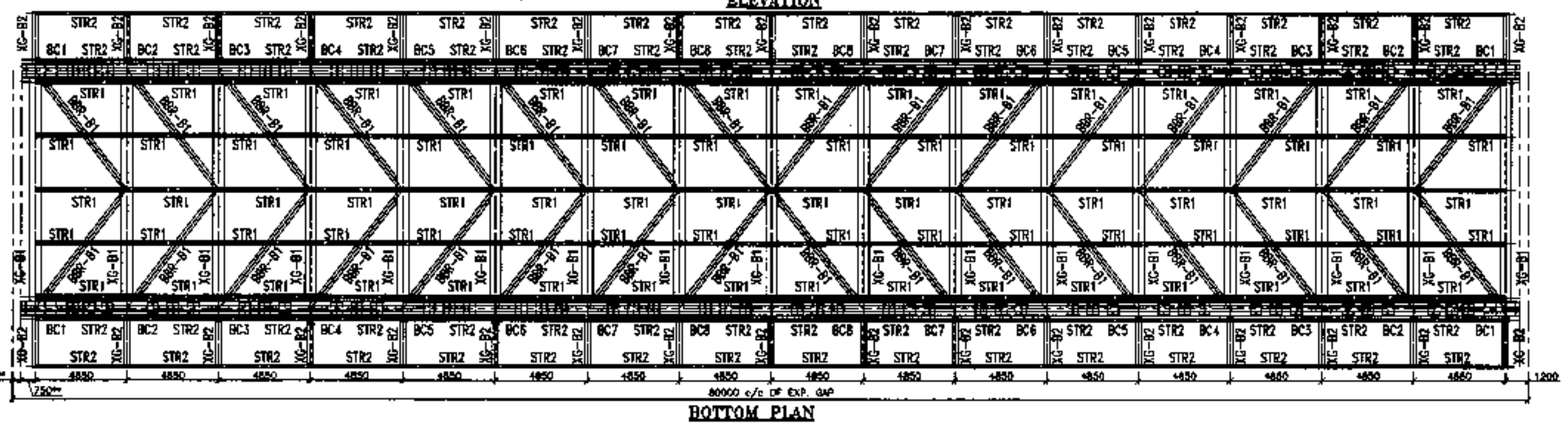
Drg No. : RITES/HWI/6864-30/NTPC-FARAKKA/BR/B/13		Checked by: S.K.B	Approved by: T.M.
Sheet :		Designed by: B.C.R.	Drawn by: B.C.R.
Scale: As Above	Dated : 13-07-2013		



TOP PLAN



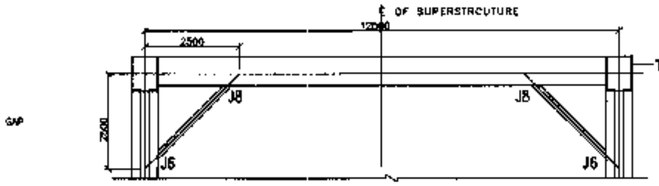
ELEVATION



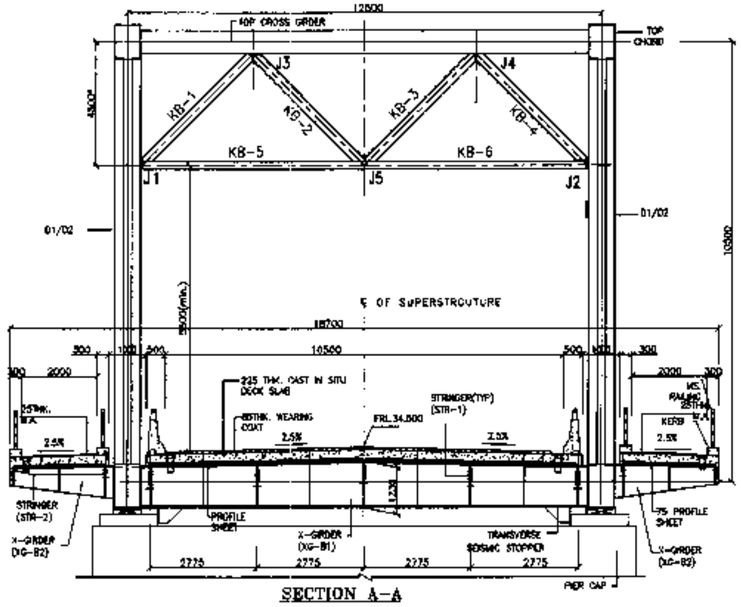
BOTTOM PLAN

NOTES:

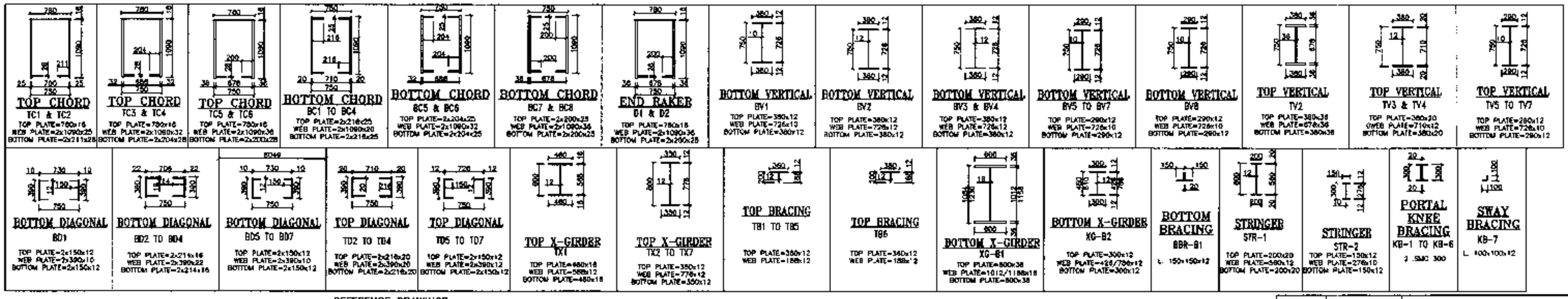
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9. CRITERIA FOR WELD TEST AND ACCEPTANCE SHALL BE STRICTLY AS PER THE WORTH SPECIFICATIONS.
10. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWING.
11. ALL COMPONENTS OF BUILT-UP SECTIONS SHALL BE CONNECTED BY FULL PENETRATION BUTT WELD UNLESS MENTIONED OTHERWISE.



SECTION B–B



SECTION A–A



* MARKED DIMENSIONS ARE ALONG DIAGONAL MEMBER D2

** FOR EXACT DIMENSION REFER DRG NO. : RITES/HWD/6864-30/NTPC-FARAKKA/BR/A/00A

REFERENCE DRAWINGS:

1. CONNECTION DETAILS OF BALOW SPAN — RITES/HW/6864-30/NTPC-FARAKKA/DOPR/BR/B/13 TO 16
2. DIMENSION DETAIL OF DECK SLAB — RITES/HW/6864-30/NTPC-FARAKKA/DOPR/BR/B/17
3. REINFORCEMENT DETAIL OF DECK SLAB — RITES/HW/6864-30/NTPC-FARAKKA/DOPR/BR/B/18
4. GENERAL NOTES — RITES/HW/6864-30/NTPC-FARAKKA/DOPR/BR/BR/01
5. BEARING LAYOUT, DESIGN FORCES & MOVEMENTS OF BEARINGS — RITES/HW/6864-30/NTPC-FARAKKA/DOPR/BR/B/11
6. MISCELLANEOUS DETAILS — RITES/HW/6864-30/NTPC-FARAKKA/DOPR/BR/B/20
7. PROPOSED SCHEME FOR ERECTION OF TRUSSES — RITES/HW/6864-30/NTPC-FARAKKA/DOPR/BR/B/21

REV. NO:	DATE	DESCRIPTION
R2	APRIL 2014	MODIFIED FOR FATIGUE CONSIDERATION OF NEW CODE
R1	MAY 2012	REVISED AS PER CLIENTS COMMENTS
R0	JANUARY 2012	INITIAL DRAWING

NTPC LIMITED

Consultancy Services for Preparation of DPR for construction of new 2 Lane Road Bridge adjacent to existing Bridge at RD 8.5 over feeder canal of Farakka in West Bengal

RITES
THE INFRASTRUCTURE PEOPLE
RITES BHAWAN 1 SECTOR 25, GURGAON 122 001

BRIDGE ACROSS FEEDER CANAL

GENERAL ARRANGEMENT & MARKING PLAN (FOR 80.0m SPAN)

Drg No. : RITES/HW/6864-30/NTPC-FARAKKA/BR/B/11

Sheet :

Scale: As Above

Dated : 13-07-2013

Designed by: B.C.R. Drawn by: B.C.R Checked by: S.K.B Approved by: T.M.

Design Report (DR)

RETROFITTING OF BRIDGE ACROSS FEEDER CANAL, NTPC, FARAKKA



Client

National Thermal Power Corporation(NTPC), Farakka

Consultant

Prof. R. SUNDARAVADIVELU. F.N.A.E
Department of Ocean Engineering,
Indian Institute of Technology Madras
Chennai

Document No: IITM/DOE/NTPC/IR/1000: Rev – 04.1

Rev.	Description	Prepared	Verified	Approved	Date
04	Design Report	NG/SSV	PK	RSUN	22/11/2020
03	Design Report	NG/SV	PK	RSUN	02/11/2020
02	Design Report	SS	PK	RSUN	24/12/2019
01	Design Report	RPM/KSR	PK	RSUN	25/02/2019
00	Draft Submission	RPM/KSR	PK	RSUN	18/01/2019

TABLE OF CONTENTS

LIST OF FIGURES

1 INTRODUCTION **4**

2 MODELING **4**

3 LOADS ON STRUCTURE **7**

3.1 Dead Loads 7

3.2 Live load 7

3.3 Wind load 7

Case (i)(wind speed 36m/s) 8

Case (ii)(wind speed 47m/s) 8

4 ANALYSIS **9**

4.1 Analysis on Third Truss (T3) 9

4.2 Analysis on Second Truss (T2) 9

4.3 Analysis on First Truss (T1) 10

5 SUMMARY **26**

ANNEXURE-I 27

ANNEXURE-II 87

ANNEXURE-III 120

ANNEXURE-IV 124

ANNEXURE-V 128

LIST OF FIGURES

Figure 2.1. - Details of the truss …… 5

Figure 2.2. – Typical staad model showing the cantilever span of 48.5m 6

Figure 4.1. - Cantilever span (T3) = 46.075m 11

Figure4.2. - Cantilever span (T3) = 50.925m 12

Figure 4.3. - Cantilever span (T3) =55.775m 13

Figure 4.4. - Cantilever span (T3) = 60.625m 14

Figure 4.5. - Cantilever span (T3) = 65.475m 15

Figure 4.6. - Cantilever span (T3) = 70.325m 16

Figure 4.7 - Cantilever span (T3) = 75.125m 17

Figure 4.8. – Distance from support (T2) = 2.425m 18

Figure 4.9. - Distance from support (T2) = 7.275m 19

Figure 4.10. - Distance from support (T2) = 12.125m 20

Figure 4.11. - Distance from support (T2) = 16.975m 21

Figure 4.12. - Distance from support (T2) = 21.825m 22

Figure 4.13. - Distance from support (T2) = 26.675m 23

Figure 4.14. - Distance from support (T2) = 31.525m 24

Figure 4.15. - Distance from support (T2) = 36.375m 25

1.0 INTRODUCTION

It was proposed for construction of bridge across feeder canal, National Thermal Power Corporation (NTPC), Farakka. The total length of the bridge is 280m. The bridge was planned with two span of 20m at outer ends and 3x80m at inner ends. The outer 20m span is constructed initially at site. 3x80m span were fabricated near the site and launched in position by cantilever launching method. During launching excessive deformation of the bridge span was noticed and consequently some of the members had buckled and failed. However, the first span was launched in position, the work is stopped. Severe damages were noticed in some of the members. NTPC approached Department of Ocean Engineering, IITM Chennai to check the condition of bridge and to suggest suitable retrofitting for the same.

This report highlights the Retrofitting details of bridge fabricated and launched across feeder canal, NTPC, Farakka.

2.0 MODELING

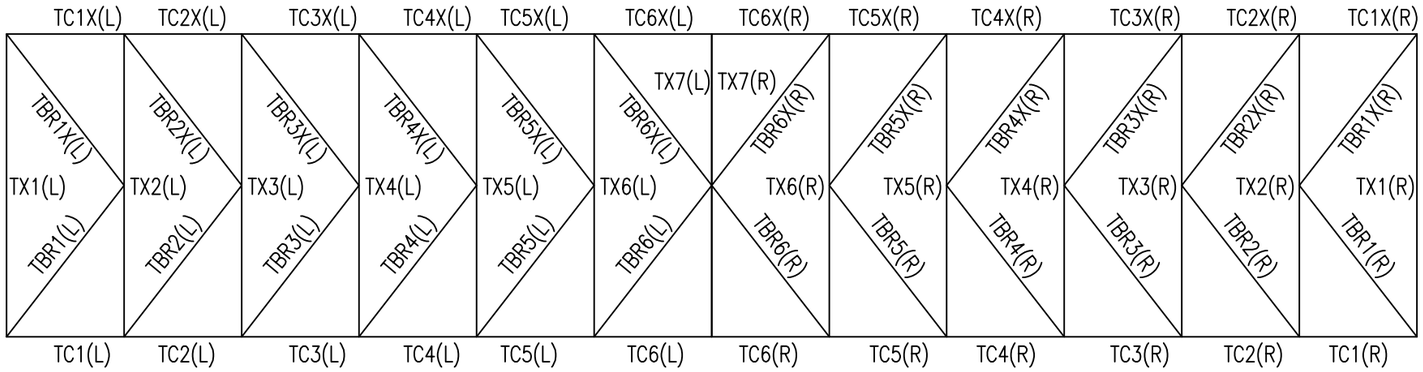
Analysis of the bridge has been carried out by STAAD Pro software. Launched structure 2x80m is modeled with one end as hinged support and all other end nodes as roller support and analyzed for self-weight only. By trial and error method, roller supports in which uplift noticed were released one by one considering condition of cantilever launching of structure. Based on this analysis, it is found that some of the bottom vertical members and bottom chord members are failing when cantilever projection crosses 45m. Figure 2.1 shows top chord plan, elevation of truss and bottom chord plan.

The structure was also checked for the service conditions.

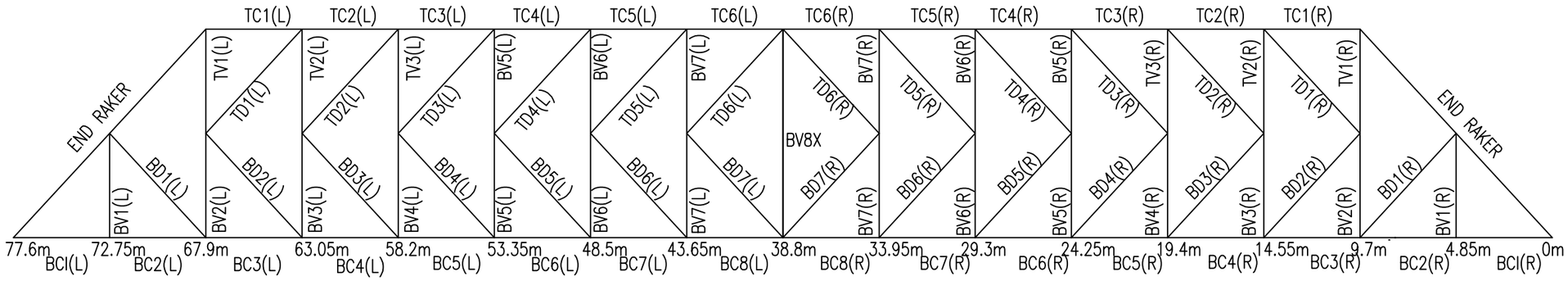
The members which are failed are identified and suitable strengthening of members are proposed to make the member safe. Figure 2.2 highlights typical failure of member.

Typical design calculation of members can be referred in annexure – I.

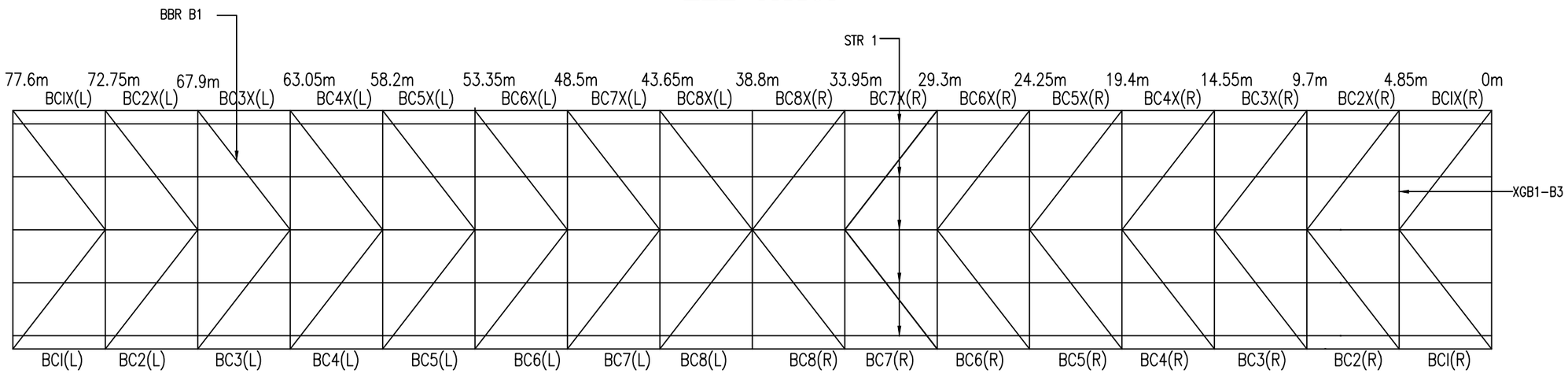
The design is carried out in accordance with the applicable Indian codes and standards.



TOP CHORD PLAN



ELEVATION



BOTTOM CHORD PLAN

Figure 2.1- Details of the truss

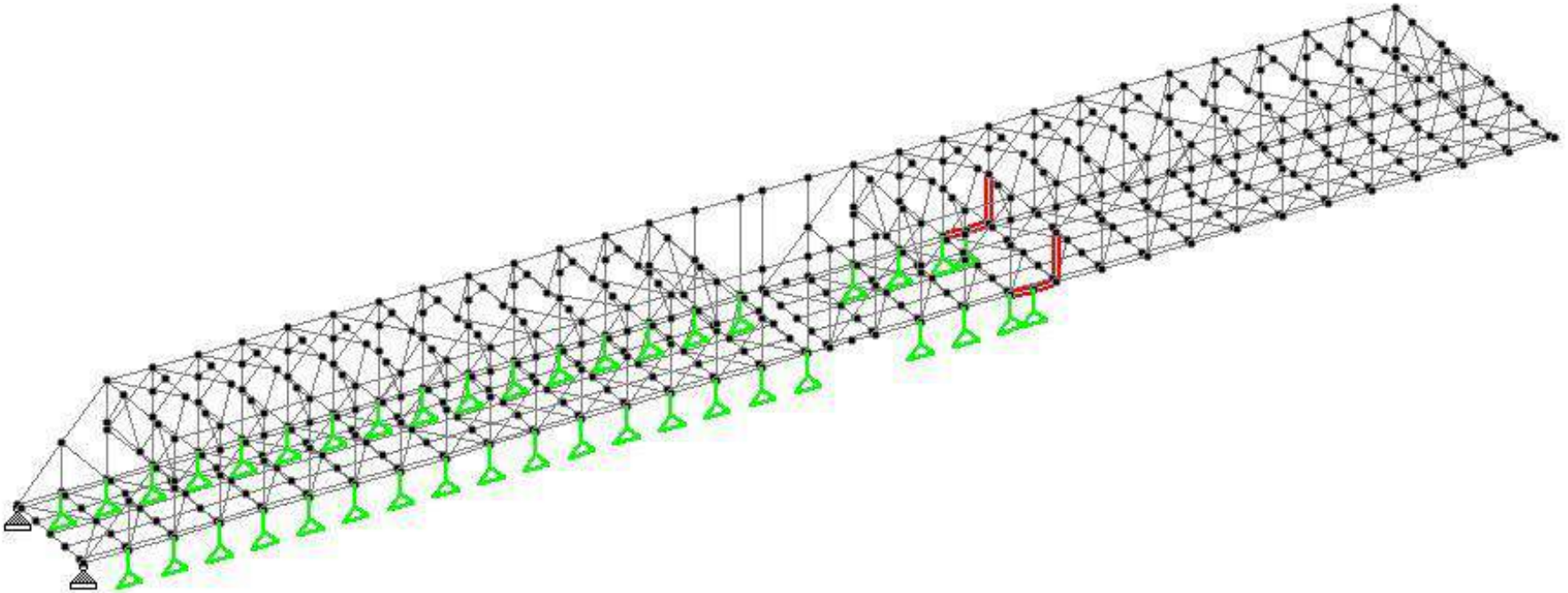


Figure 2.2-Typical Staad model showing the failed members

3.0 LOADS ON STRUCTURE

Case 1: During Launching

During launching the self-weight of the members are the only loads that act on the structure

Case 2: During service condition

3.1 Dead Loads

The dead loads on the structure are

- the self-weight of the members
- the self-weight of the deck slab
- the self-weight of the parapet wall

3.2 Live load

Live load of 5kN/m^2 acts on the pedestrian way

As per IRC 6 (table 2) two combinations of live loads were

considered Combination 1: 1Class 70R + 1 Class A

Combination 2: 3 Class A

3.3 Wind load

Case (i): As per IS 875 part -3

The basic wind speed at the site = 47 m/s

Case (ii): As per IRC 6 (cl: 209.3.7) it is stated that the bridges shall not be considered to be carrying any live load when the wind speed at deck level exceeds 36 m/s.

Therefore, two cases were analyzed.

(i) Wind load equivalent of 36 m/s considering wind load on live load.

(ii) Wind load for 47 m/s acting on the bridge frame (including parapet wall)

The wind force was calculated using the formula

$F_v = P_z x A_3 x G x C_D$

Where,

P_z = Hourly mean wind speed in N/m^2 at height H

A_3 = Area in plain in m^2

C_D=is the drag coefficient depending on the geometric shape of bridge deck.

G = Gust factor as defined in **209.3.3**

Case (i) (wind speed 36m/s)

P_z	=	312 N/m^2	(Table 4, IRC 6: 2014)
Solidity ratio	=	effective area / overall elevated area	
	=	385.4776/712.95	
	=	0.54	
Shielding factor	=	0.7 (table C2)	
Drag co efficient	=	1.9 (table C1)	
CD	=	1.33	
Gust factor G	=	2 (IRC 6, cl: 209.3.3)	

Case (ii) (wind speed 47m/s)

P_z	=	407 N/m^2	(Table 4, IRC 6: 2014)
Solidity ratio	=	effective area / overall elevated area	
	=	385.4776/712.95	
	=	0.54	
Shielding factor	=	0.7 (table C2)	
Drag co efficient	=	1.9 (table C1)	
CD	=	1.33	
Gust factor G	=	2 (IRC 6, cl: 209.3.3)	

4.0 ANALYSIS

The analysis was carried out for 2 cases

Case 1: During Launching

4.1 Analysis on Launching of Truss T3 (First span)

During Launching

The analysis is done for cantilever launching by increasing the cantilever span step by step starting from 0m. The member started failing when the cantilever span exceeds 48.5m. The truss is analyzed for a maximum cantilever span of 77.6m. The members that fail corresponding to the cantilever span are shown in the following figures.

Cantilever Span(m)	Members exceeding the limiting stress
46.075	BC7, BV7
50.925	BC6, BV6
55.775	BC5, BV5
60.625	BC4, BV4
65.475	BC3, BV3
70.325	BC2, BC3, BV2, BV1
75.125	BC1, BC2, BV1

4.2 Analysis on Launching of Truss for the second span.

During Launching

The analysis is done for cantilever launching by increasing the cantilever span step by step starting from 0m to 77.6m of the second span. We had found that during the entire process all the member in truss (T3) & (T2) are safe.

4.3 Analysis on Launching of Truss for the third span.

During Launching

The analysis is done for cantilever launching by increasing the cantilever span gradually starting from 0m to 77.6m of the third span. We had found that during the entire process all the members in truss (T1) are safe. However, we had noticed that during the launch of third span,

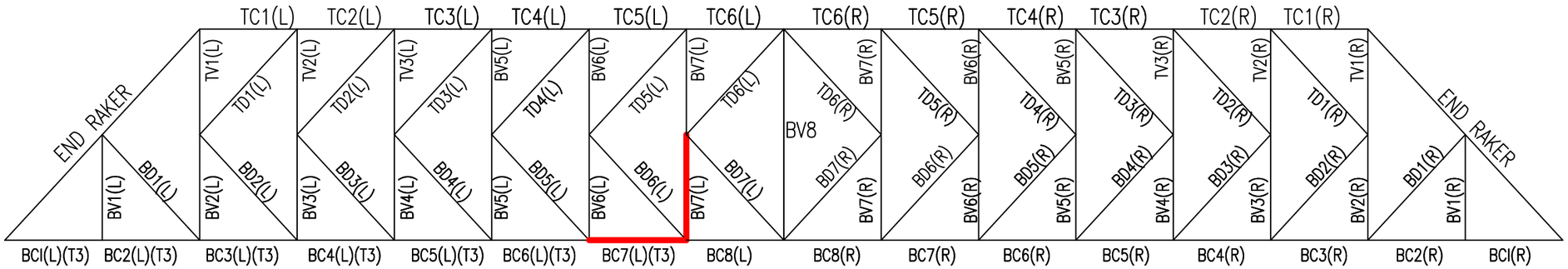
some members of the truss (T2) were over stressed. Some of the bottom chord members of T2 are failing during the launch. The members that fail corresponding to the span from the support are shown in the following figures.

Distance from support(m)	Members exceeding the limiting stress
2.425	BC1
7.275	BC2
12.125	BC3
16.975	BC4
21.825	BC5
26.675	BC6
31.375	BC7
31.375	BC8

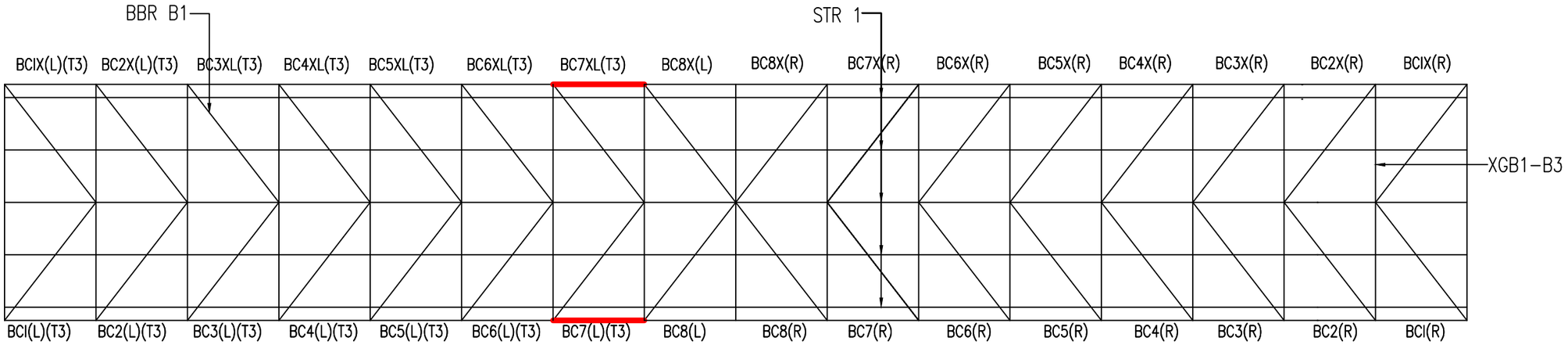
Case 2: During service condition

Loads On the Structure	Members Failed
i) 3 class A loading	STR 4, STR 5, OCGE(L/R), OCG1(L/R) TO OCG8(L/R)
ii) 70R + Class A loading	STR 4, STR 5, OCGE(L/R), OCG1(L/R) TO OCG8(L/R)

The following figures (4.1 to 4.15) shows the list of failed members for the corresponding cantilever spans,



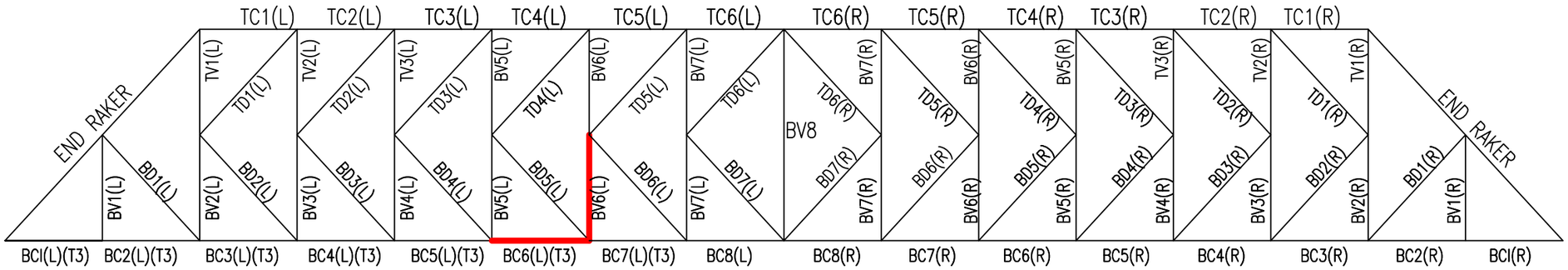
ELEVATION



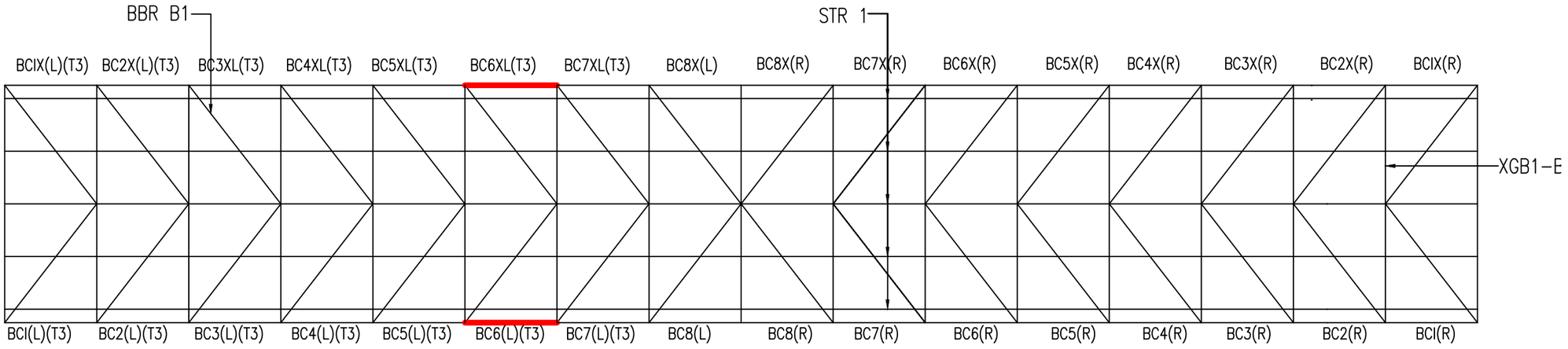
BOTTOM CHORD PLAN

Figure 4.1- Cantilever span (T3) = 46.075 m

NOTE:– The highlighted members are the failed members



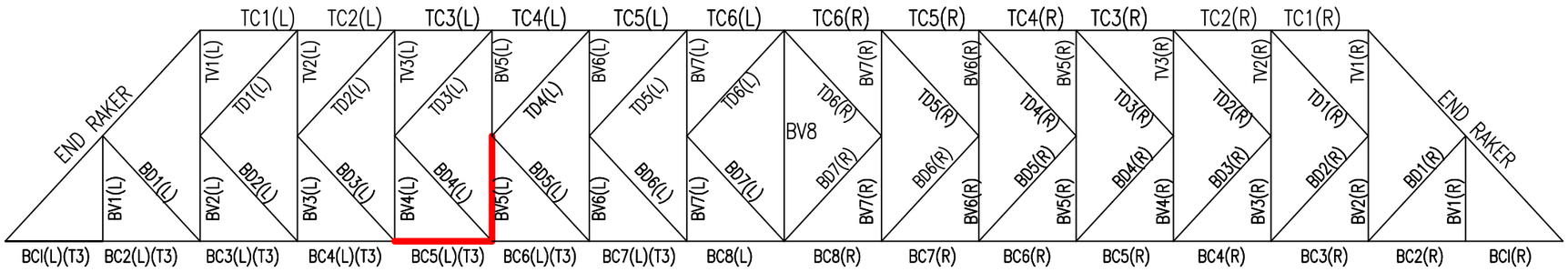
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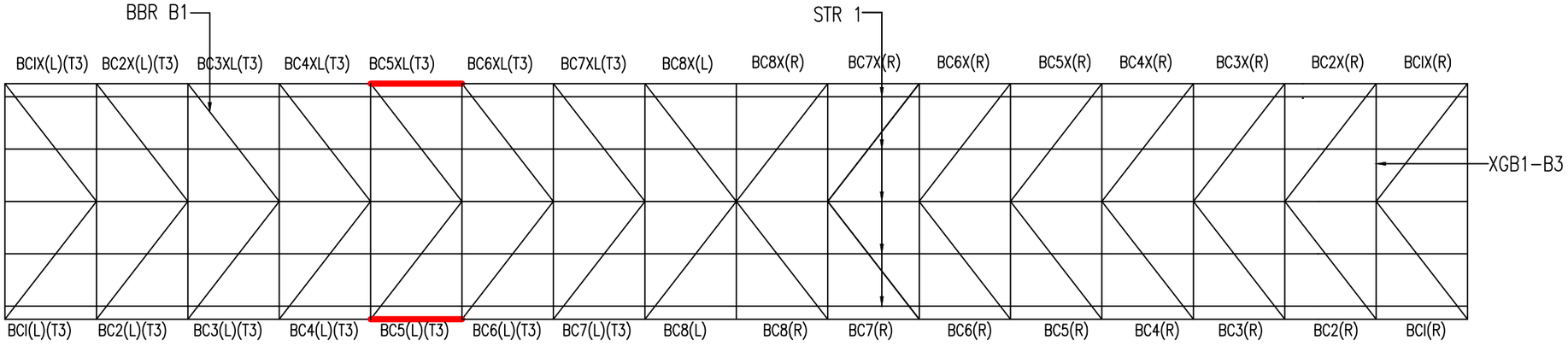
BOTTOM CHORD PLAN

Figure 4.2- Cantilever span (T3) = 50.925 m

NOTE:– The highlighted members are the failed members



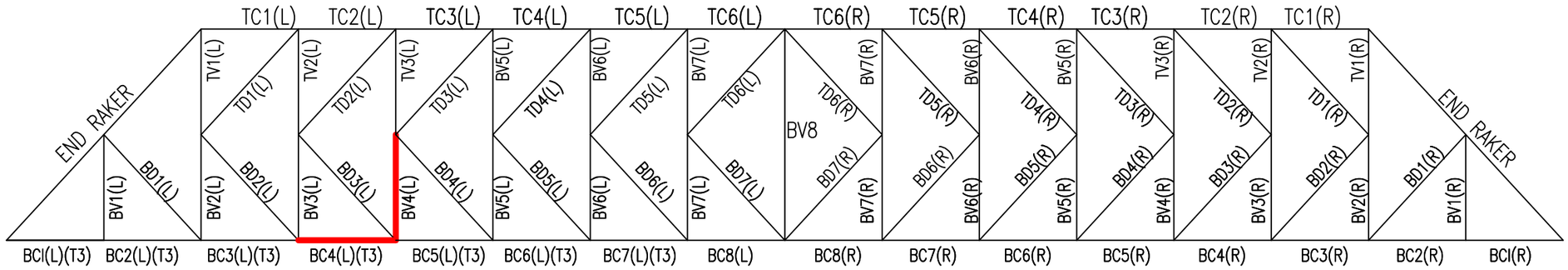
ELEVATION



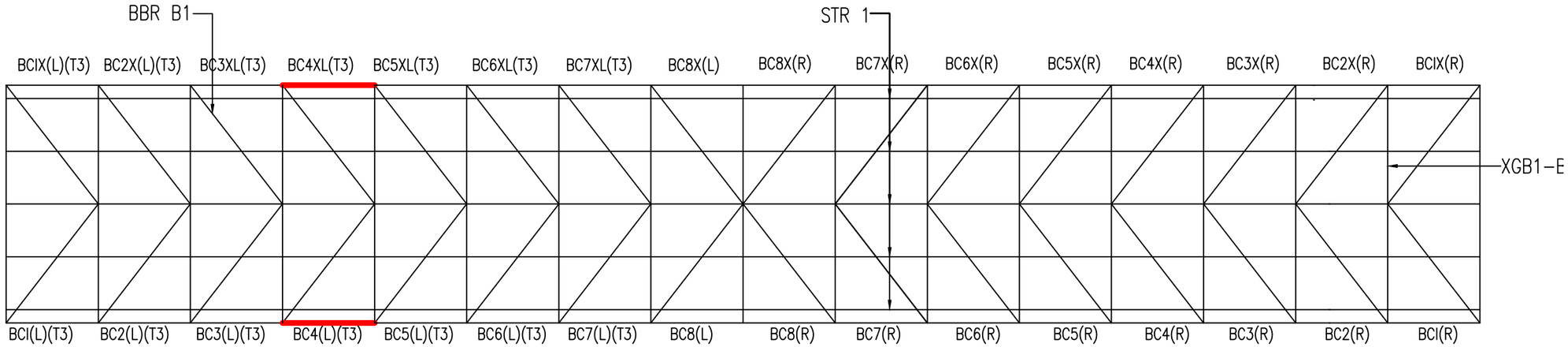
BOTTOM CHORD PLAN

Figure 4.3- Cantilever span (T3) = 55.775 m

NOTE:– The highlighted members are the failed members



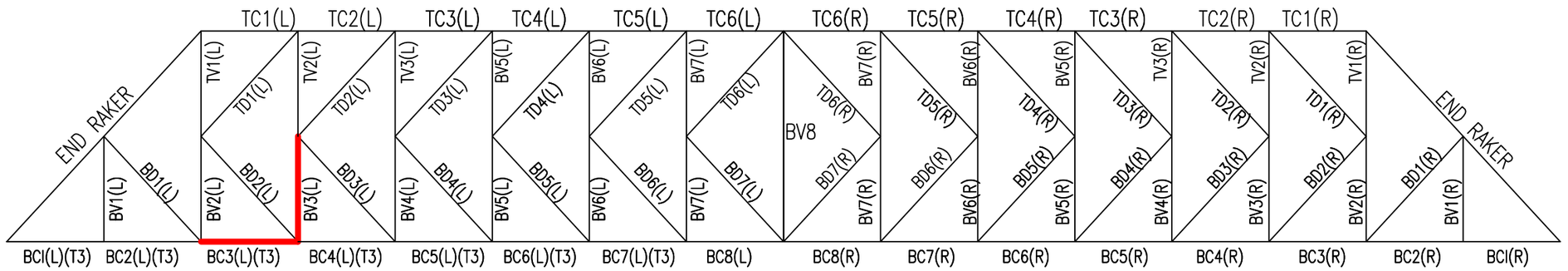
ELEVATION



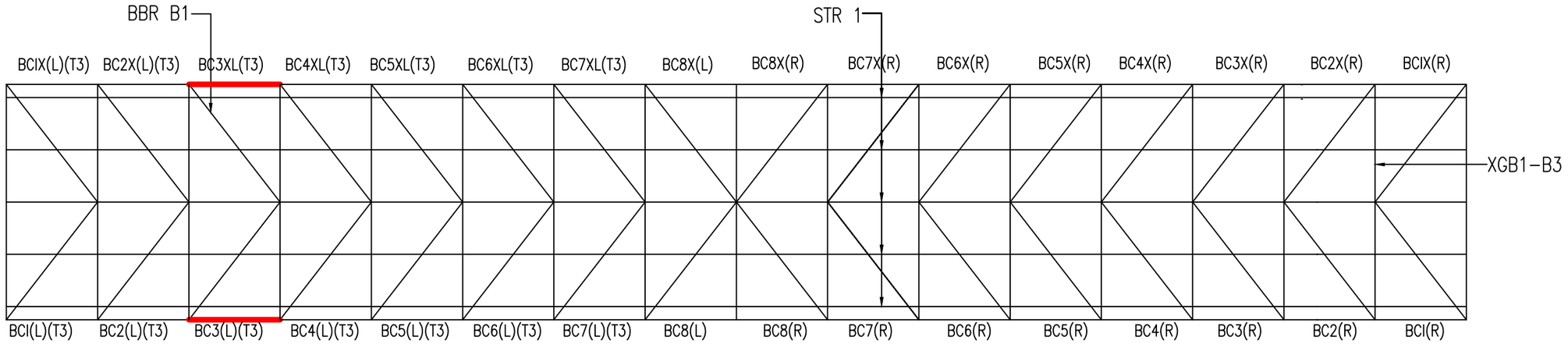
BOTTOM CHORD PLAN

Figure 4.4- Cantilever span (T3) = 60.625 m

NOTE:– The highlighted members are the failed members



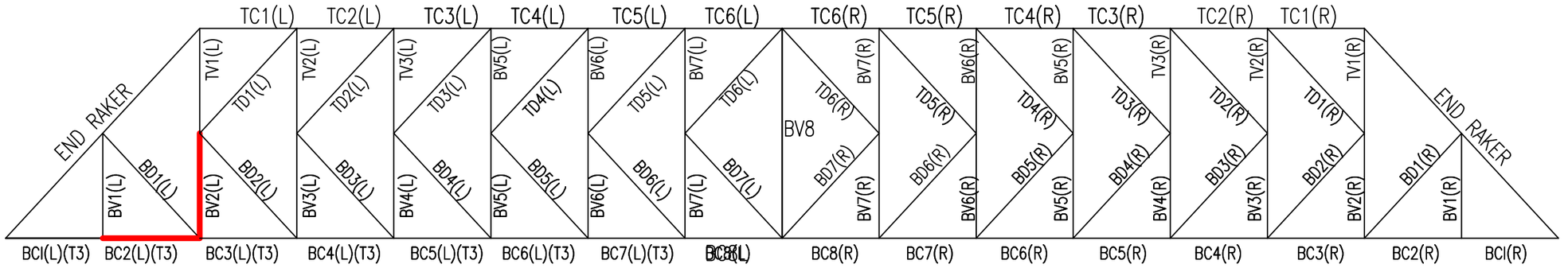
ELEVATION



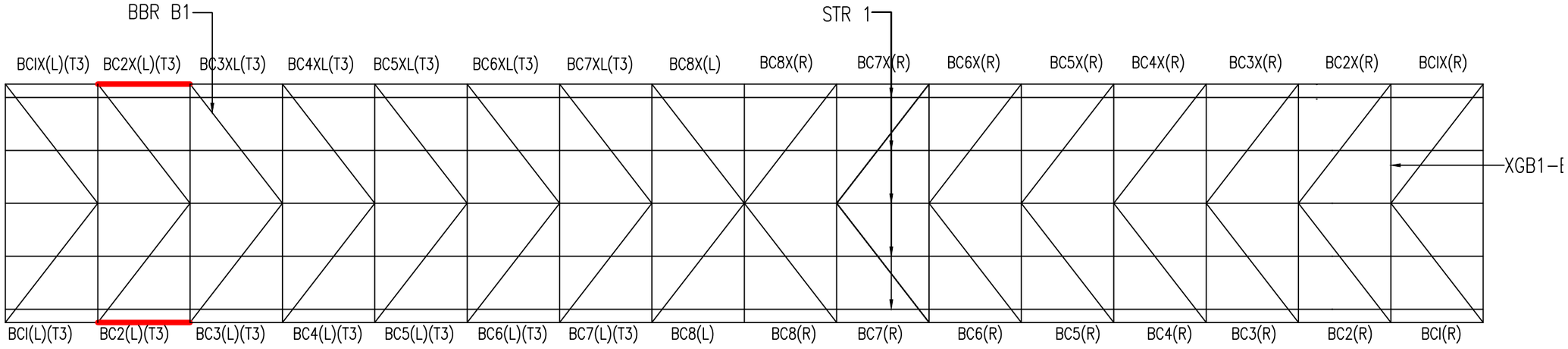
BOTTOM CHORD PLAN

Figure 4.5- Cantilever span (T3) = 65.475 m

NOTE:– The highlighted members are the failed members



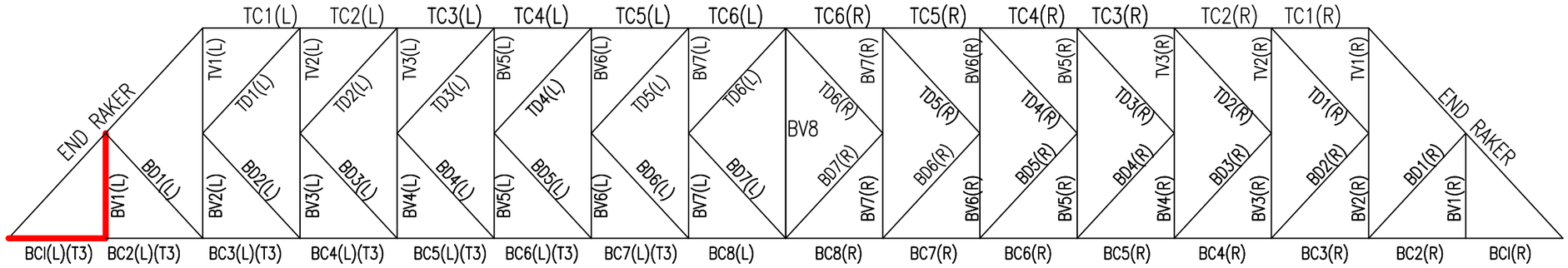
ELEVATION



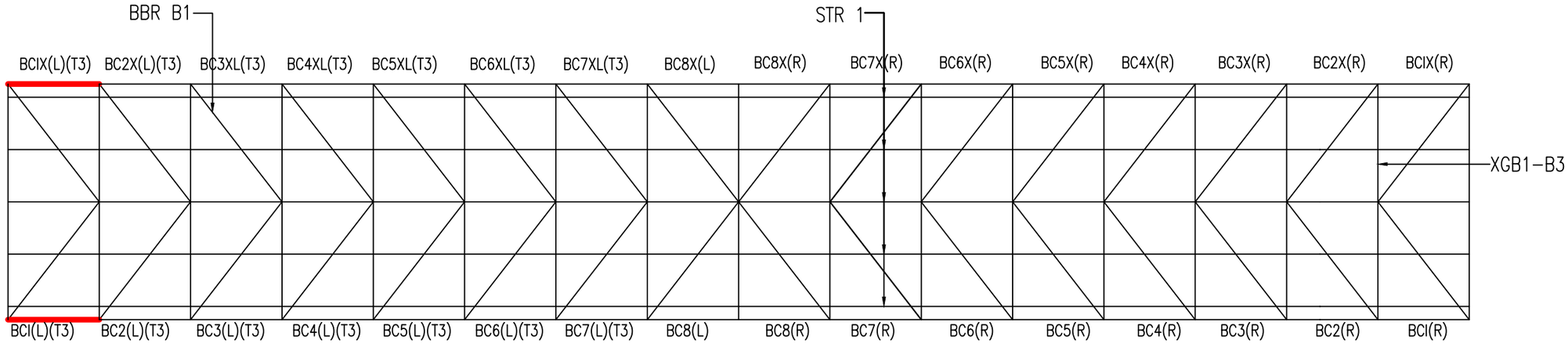
BOTTOM CHORD PLAN

Figure 4.6- Cantilever span (T3) = 70.325 m

NOTE:– The highlighted members are the failed members



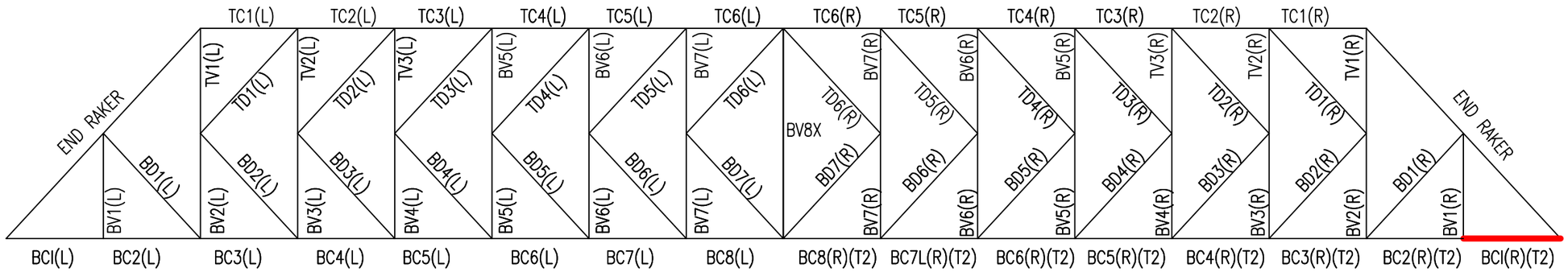
ELEVATION



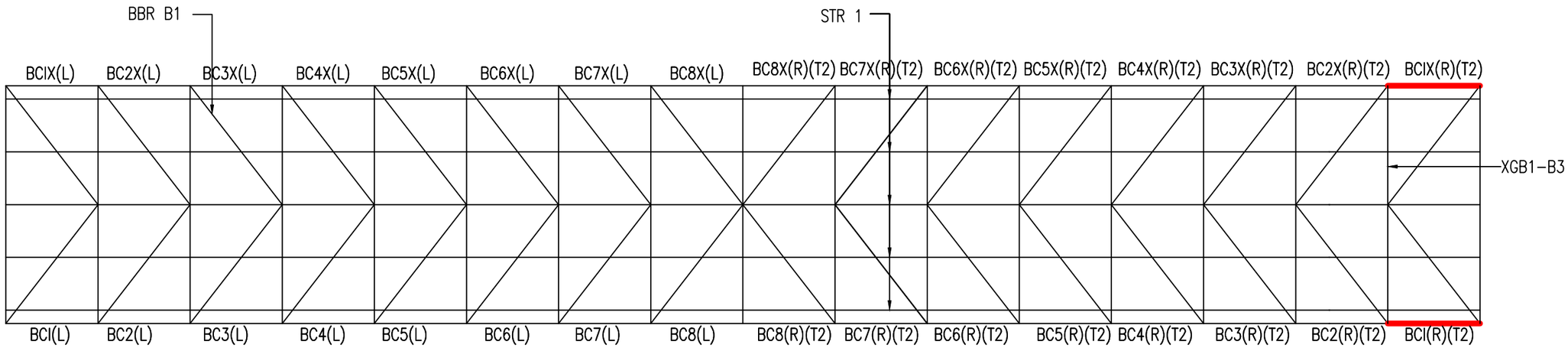
BOTTOM CHORD PLAN

Figure 4.7- Cantilever span (T3) = 75.125 m

NOTE:– The highlighted members are the failed members



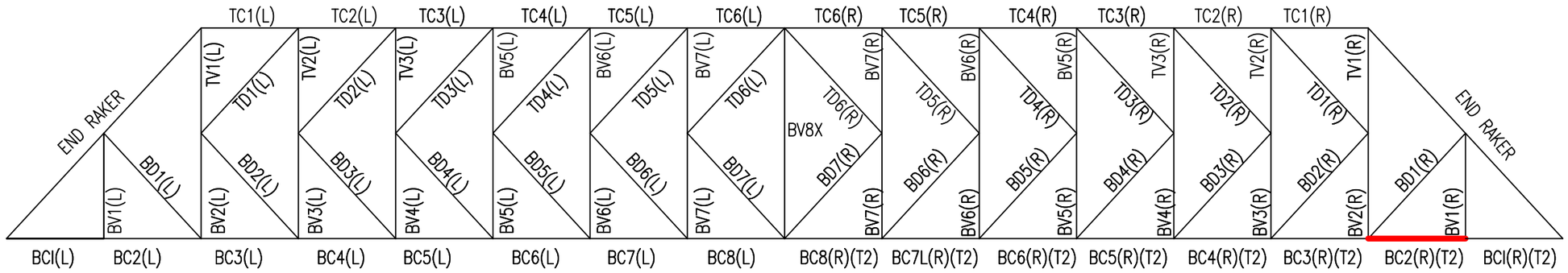
ELEVATION



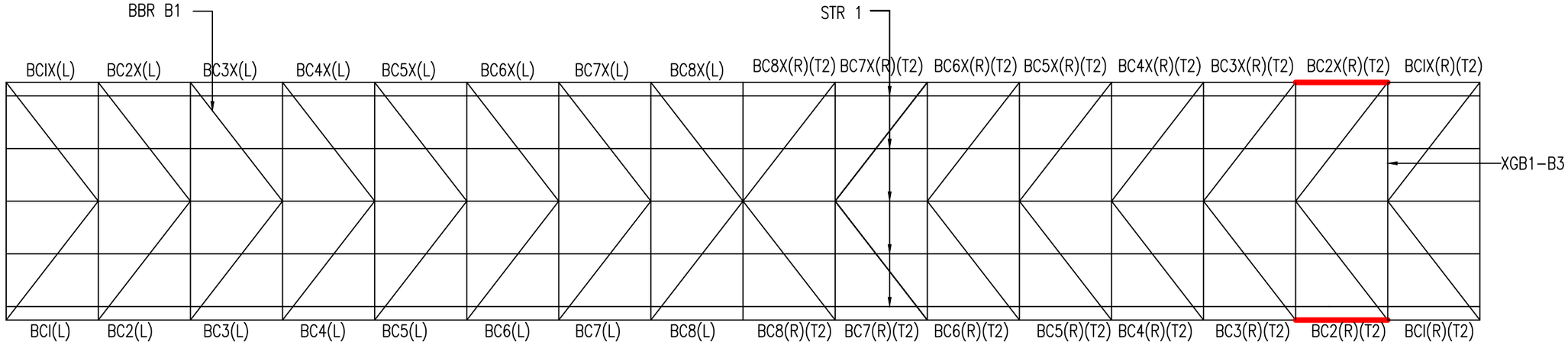
BOTTOM CHORD PLAN

Figure 4.8- Distance from support (T2) = 2.425 m

NOTE:– The highlighted members are the failed members



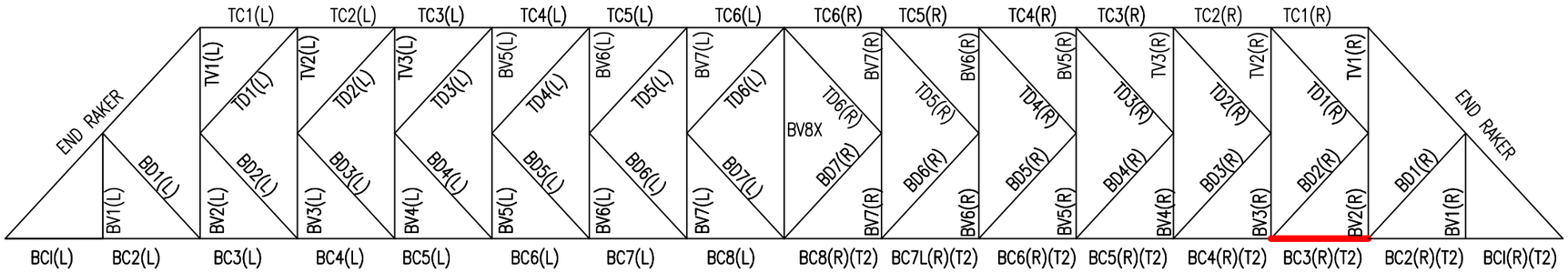
ELEVATION



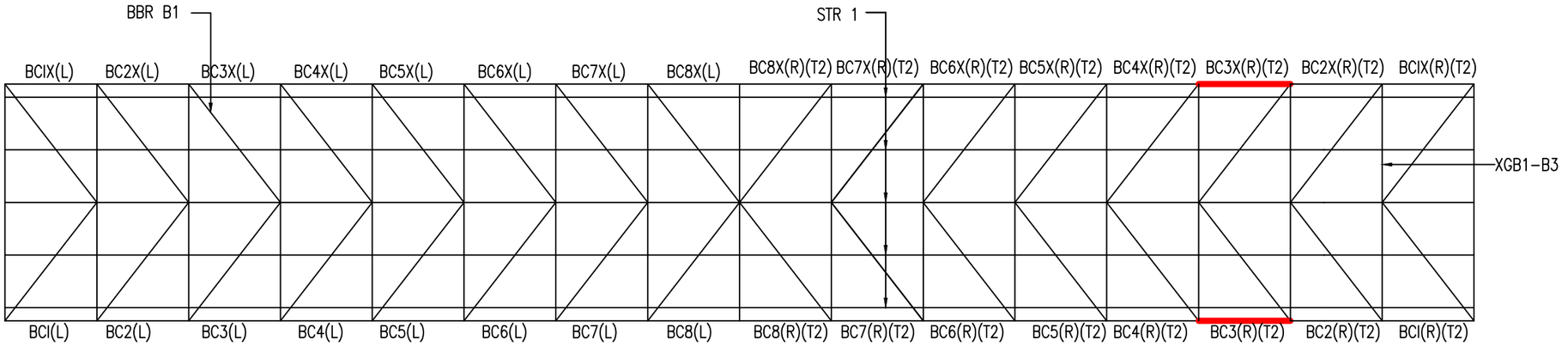
BOTTOM CHORD PLAN

Figure 4.9- Distance from support (T2) = 7.275 m

NOTE:– The highlighted members are the failed members



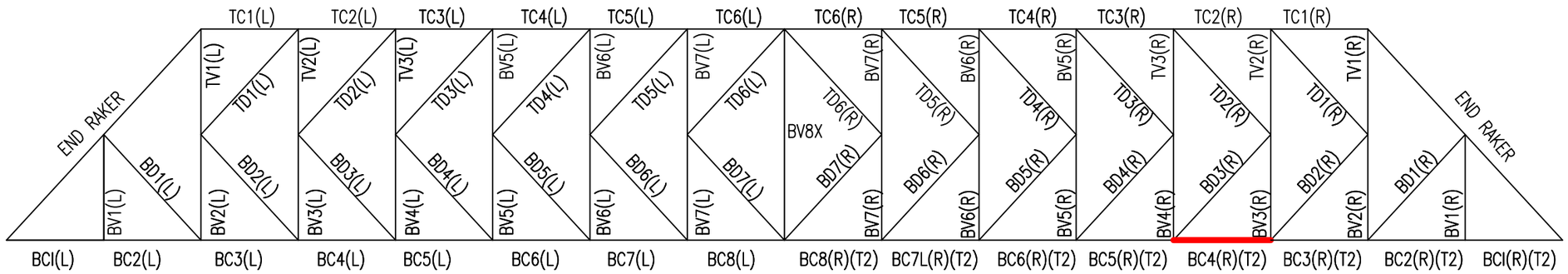
ELEVATION



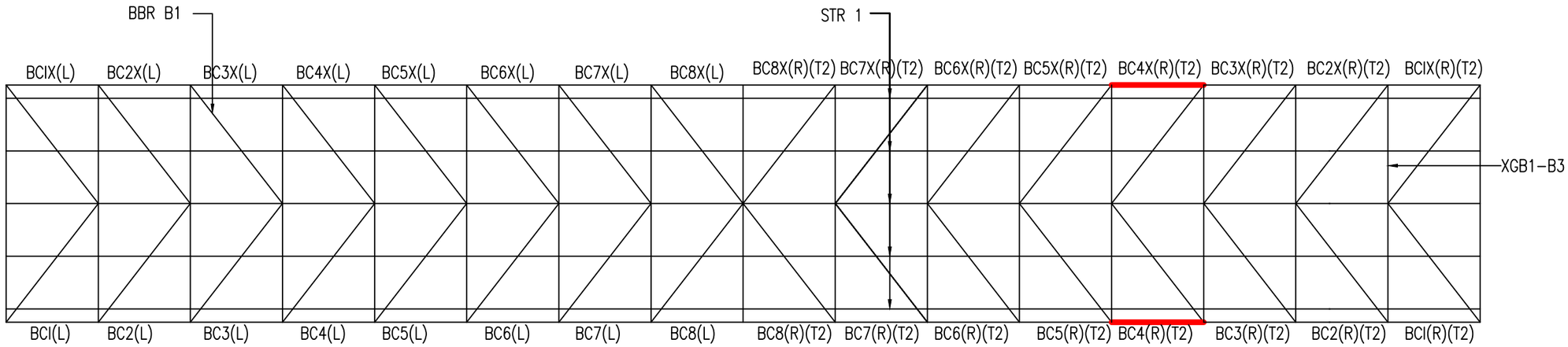
BOTTOM CHORD PLAN

Figure 4.10- Distance from support (T2) = 12.125 m

NOTE:– The highlighted members are the failed members



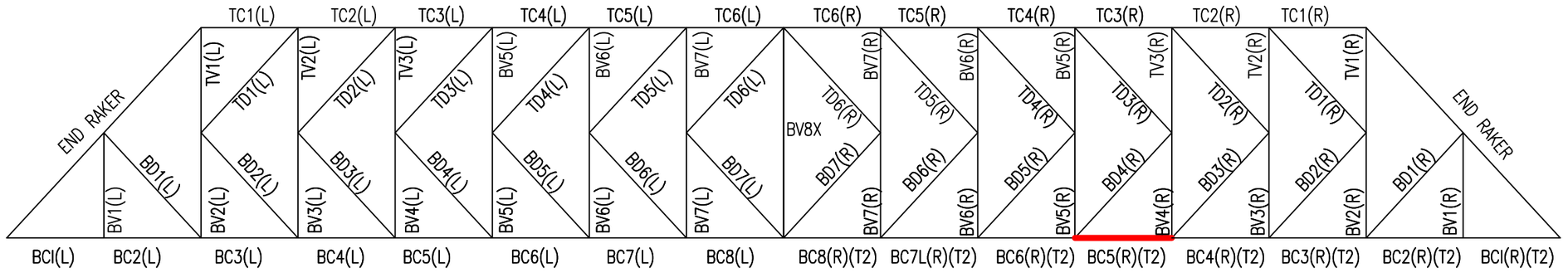
ELEVATION



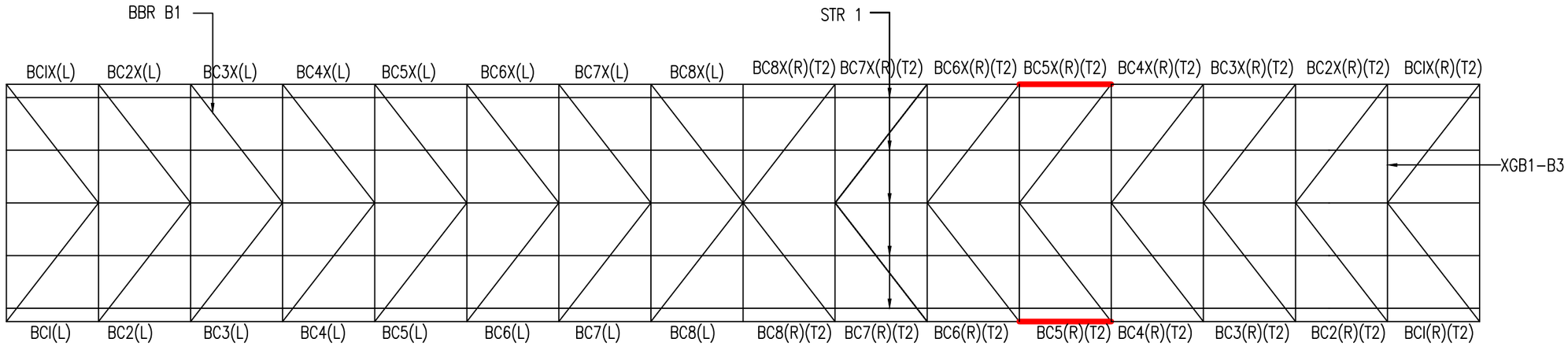
BOTTOM CHORD PLAN

Figure 4.11- Distance from support (T2) = 16.975 m

NOTE:– The highlighted members are the failed members



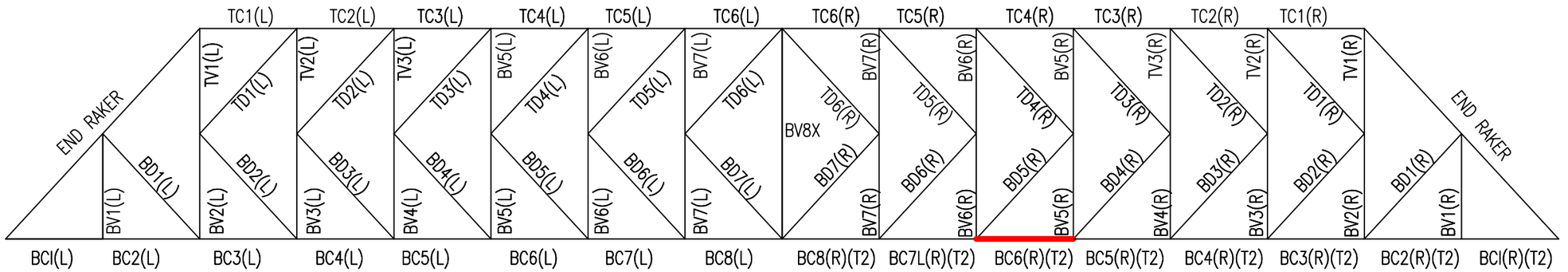
ELEVATION



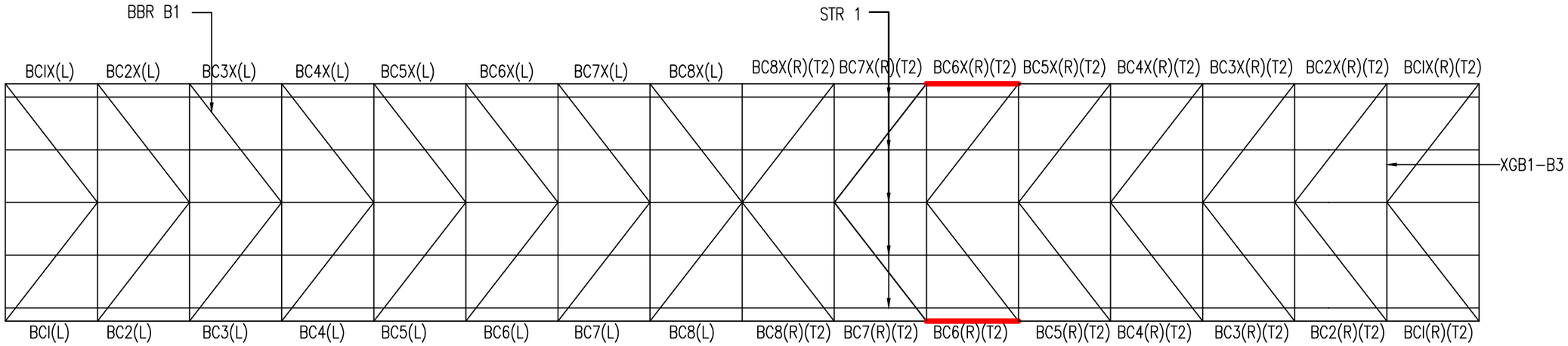
BOTTOM CHORD PLAN

Figure 4.12- Distance from support (T2) = 21.825 m

NOTE:– The highlighted members are the failed members



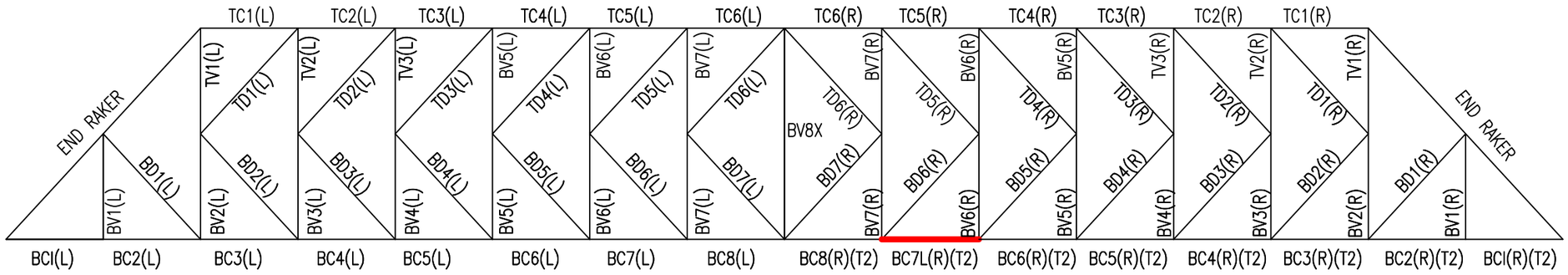
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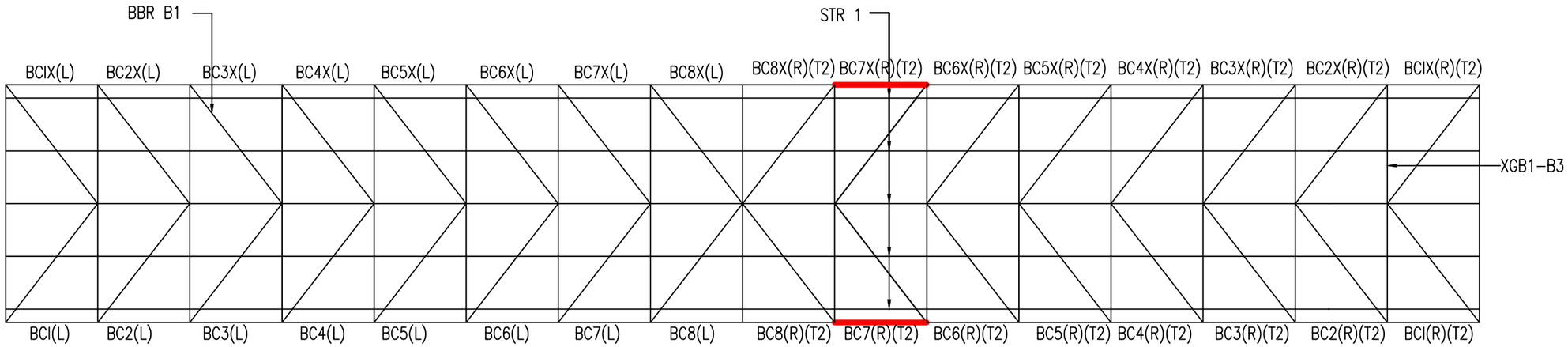
BOTTOM CHORD PLAN

Figure 4.13- Distance from support (T2) = 26.675 m

NOTE:– The highlighted members are the failed members



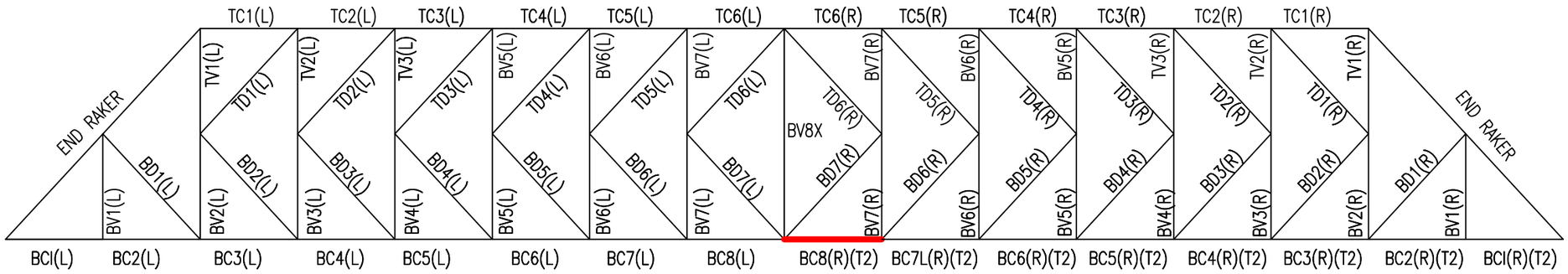
ELEVATION



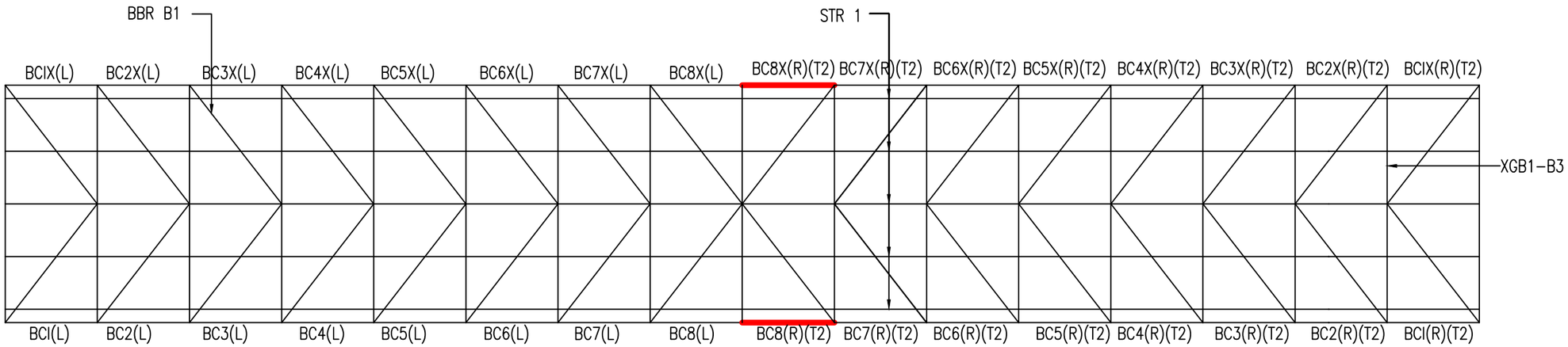
BOTTOM CHORD PLAN

Figure 4.14- Distance from support (T2) = 31.525 m

NOTE:– The highlighted members are the failed members



ELEVATION



BOTTOM CHORD PLAN

Figure 4.15- Distance from support (T2) = 36.375 m

NOTE:– The highlighted members are the failed members

5 SUMMARY

This report gives the details of members, which had failed during launching of bridge and proposes suitable strengthening methodology of failed members**.**

The design has been prepared to satisfy all relevant codal provisions.



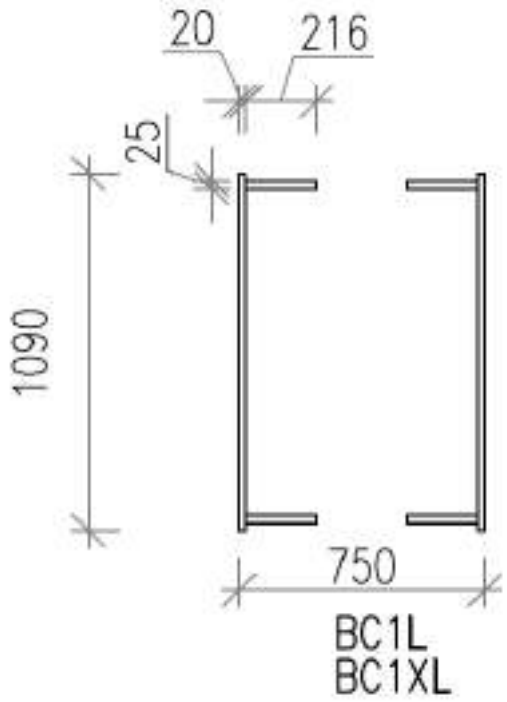
(Prof. R. Sundaravadivelu., F.N.A.E)

ANNEXURE-I

DESIGN/CHECK OF THE MEMBERS FAILED DURING THE LAUNCH OF FIRST SPAN (TRUSS T3)

TYPICAL DESIGN/CHECK OF THE BOTTOM CHORD MEMBER

NAME: Bottom chord (BC1L, BC1XL)



SECTION PROPERTIES

ACTUAL SECTION

	MEMBER	=	BC1L(T3)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	7360	kNm
	Shear Force(F_y)	=	2630	kN
	Axial force(P)	=	8170	kN
2	length of the member	=	4850	mm
	Effective length(0.85*L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	20	Mm
3	**Section properties**			
	Area of section(A)	=	652	cm^2

	Moment of Inertia (I_{xx})	=	988110	cm^4
	moment of inertia (I_{yy})	=	721183	cm^4
	Centroidal distance(y)	=	54.5	cm
	Section modulus(Z_{xx})	=	18130.459	cm^3
	Section modulus(Z_{yy})	=	13232.716	cm^3
	Radius of Gyration (r_x)	=	38.929502	cm
	Radius of Gyration (r_y)	=	33.258215	cm
4	slenderness ratio(ʎ)-(l/r_{xx})	=	10.59	
	(I/r_{yy})	=	12.40	
5	Axial stress($\sigma_{ac.cal}$)	=	125.31	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	405.95	N/mm^2
	IS 800-1984 Table 5.1 permissible axial stress (σ_{ac})	=	150	N/mm^2
	Class: 6.2 IS 800 :1987 permissible bending stress (σ_{bc}) ($0.66f_y$)	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	3.30	≤ 1
			Unsafe	

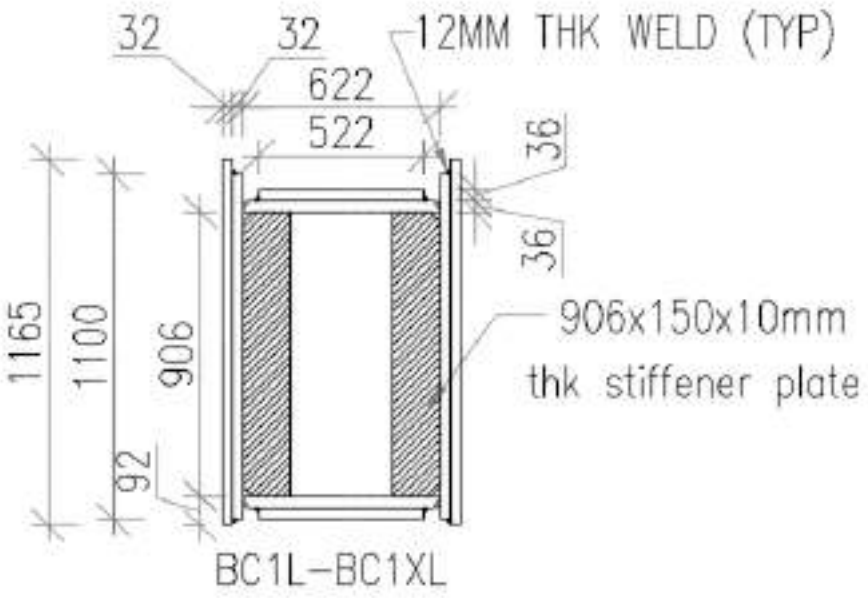
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$$= 419 \leq 225$$

Hence Unsafe.

Actual provided section is not safe so this section to be modified



MODIFIED SECTION

	MEMBER	=	BC1L(T3)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	7360	kNm
	Shear Force(F_y)	=	2630	kN
	Axial force(P)	=	8170	kN
2	length of the member	=	4850	mm
	effective length(0.85*L)	=	4122.5	mm
	Over all depth(D)	=	1165	mm
	Breadth(b)	=	750	mm
	web thickness	=	20	mm
3	**Section properties**			
	Area of section(A)	=	2273.28	cm^2
	Moment of Inertia (I_{xx})	=	3373500	cm^4
	moment of inertia (I_{yy})	=	1944700	cm^4
	Centroidal distance(y)	=	58.25	cm
	Section modulus(Z_{xx})	=	57914.163	cm^3
	Section modulus(Z_{yy})	=	33385.408	cm^3
	Radius of Gyration (r_x)	=	38.522449	cm

	Radius of Gyration (r_y)	=	29.248247	cm
4	slenderness ratio(λ)-(l/r_{xx})	=	10.70	
	(I/r_{yy})	=	14.09	
5	Axial stress($\sigma_{ac.cal}$)	=	35.94	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	127.08	N/mm^2

IS800-1984 Table 5.1

permissible axial stress (σ_{ac})	=	150	N/mm^2
Class: 6.2 IS 800 :1987			
permissible bending stress (σ_{bc}) (0.66fy)	=	165	N/mm^2
$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	1.00	≤ 1

Hence safe

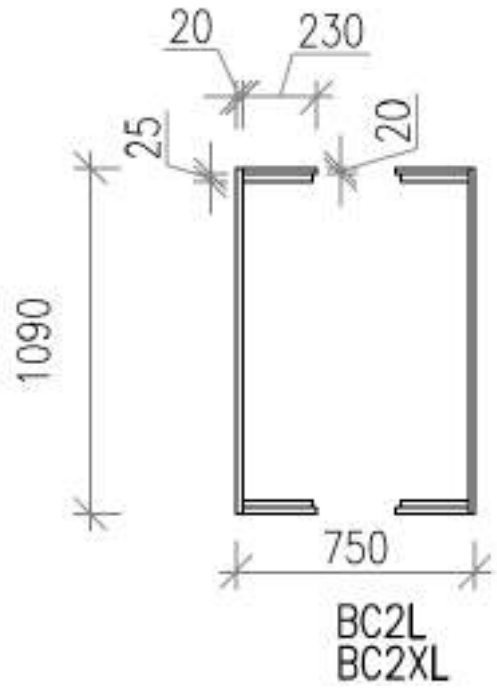
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 131 \leq 225$

Hence Safe.

NAME: Bottom Chord BC2L, BC2XL



ACTUAL SECTION

	MEMBER	=	BC2L(T3)	
	yield stress of the material (f_y)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (Mx)	=	6830	kNm
	Shear Force(F_y)	=	3070	kN
	Axial force(P)	=	7430	kN
2	length of the member	=	4850	mm
	Effective length(0.85*L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	20	mm
3	**Section properties**			
	Area of section(A)	=	652	cm^2
	Moment of Inertia (Ixx)	=	988100	cm^4
	moment of inertia (Iyy)	=	721183	cm^4

	Centroidal distance(y)	=	54.5	cm
	Section modulus(Zxx)	=	18130.28	cm^3
	Section modulus(Zyy)	=	13232.72	cm^3
	Radius of Gyration (r_x)	=	38.92931	cm
	Radius of Gyration (r_y)	=	33.25822	cm
4	slenderness ratio(ʎ)-(l/r_{xx})	=	10.59	
	(I/r_{yy})	=	12.4	
5	Axial stress($\sigma_{ac.cal}$)	=	113.96	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	376.71	N/mm^2
	IS800-1984 Table 5.1 permissible axial stress (σ_{ac})	=	150	N/mm^2
	(Class: 6.2 IS 800 :1987) permissible bending stress (σ_{bc}) (0.66fy)	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	3.04	≤ 1

Unsafe

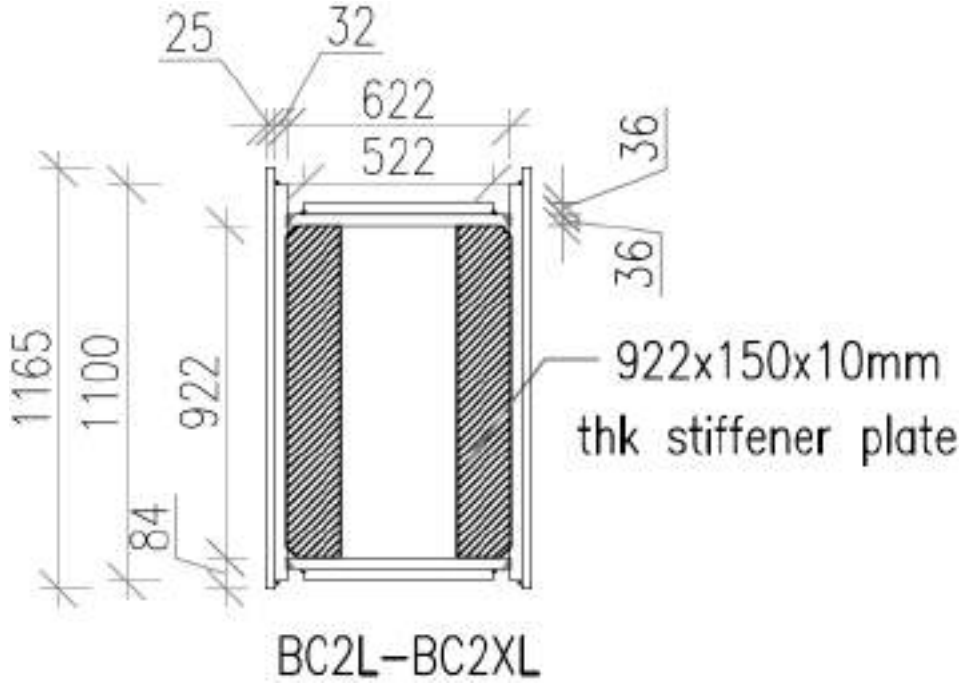
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 396 \leq 225$

Hence Unsafe.

Actual provided section is unsafe so this section need to be modified.



MODIFIED SECTTION

	MEMBER	=	BC2L(T3)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	6830	kNm
	Shear Force(F_y)	=	3070	kN
	Axial force(P)	=	7430	kN
2	length of the member	=	4850	mm
	effective length(0.85L)	=	4122.5	mm
	Over all depth(D)	=	1165	mm
	Breadth(b)	=	729	mm
	web thickness	=	32	mm
3	**Section properties**			
	Area of section(A)	=	2110.18	cm^2
	Moment of Inertia (I_{xx})	=	3.361E+06	cm^4
	moment of inertia (I_{yy})	=	1.69E+06	cm^4
	Centroidal distance(y)	=	58.25	cm
	Section modulus(Z_{xx})	=	57707.98	cm^3
	Section modulus(Z_{yy})	=	28997.77	cm^3
	Radius of Gyration (r_x)	=	39.91	cm
	Radius of Gyration (r_y)	=	28.29	cm

4	slenderness ratio(λ)-(l/r_{xx})	=	10.33	
	(I/r_{yy})	=	14.57	
5	Axial stress($\sigma_{ac.cal}$)	=	35.21	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	118.35	N/mm^2
	IS800-1984 Table 5.1 permissible axial stress (σ_{ac})	=	150	N/mm^2
	permissible bending stress (σ_{bc})-$0.66F_y$	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	0.95	≤ 1
			Hence safe	

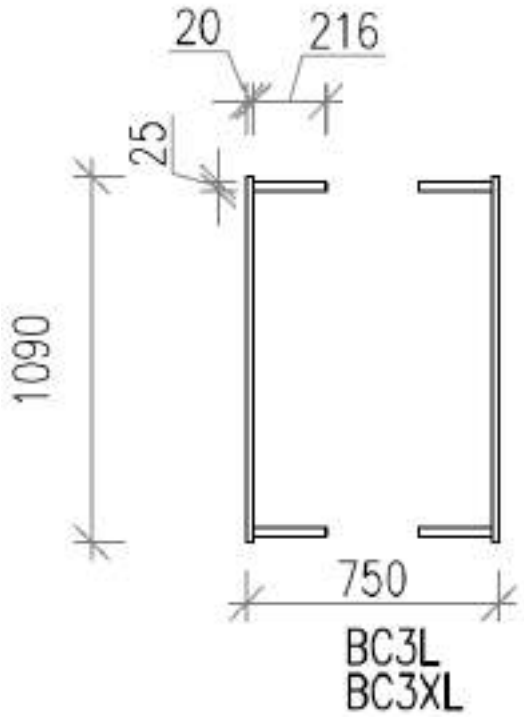
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 126 \leq 225$

Hence Safe.

NAME: BOTTOM CHORD (BC3L, BC3XL)



ACTUAL SECTION

	MEMBER	=	BC3L(T3)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	5660	kNm
	Shear Force(F_y)	=	2530	Kn
	Axial force(P)	=	5620	kN
2	length of the member	=	4850	mm
	Effective length(0.85L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	20	mm
3	**Section properties**			
	Area of section(A)	=	652	cm^2
	Moment of Inertia (I_{xx})	=	988100	cm^4
	moment of inertia (I_{yy})	=	722183	cm^4
	Centroidal distance(y)	=	54.5	cm

	Section modulus(Z_{xx})	=	18130.28	cm^3
	Section modulus(Z_{yy})	=	13251.06	cm^3
	Radius of Gyration (r_x)	=	38.93	cm
	Radius of Gyration (r_y)	=	33.28	cm
		=		
4	slenderness ratio(ʎ)-($l/_{rxx}$)	=	10.59	
	(I/r_{yy})	=	12.4	
5	Axial stress(σac.cal)	=	86.20	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	312.18	N/mm^2
	IS800-1984 Table 5.1			
	permissible axial stress (σ_{ac})	=	150	N/mm^2
	permissible bending stress (σ_{bc})-0.66fy	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	2.47	≤ 1

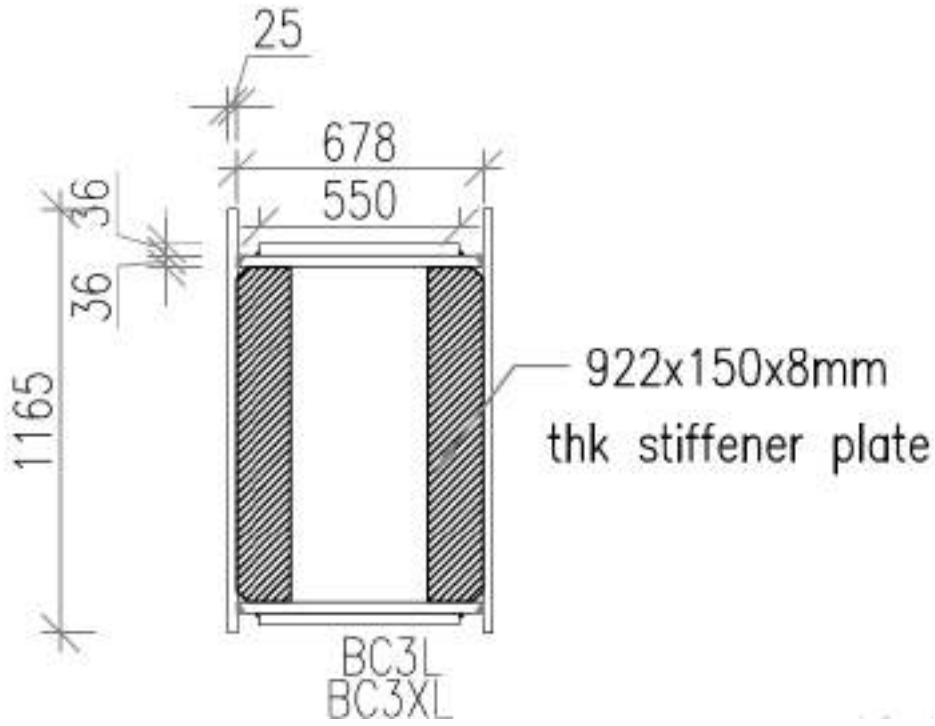
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 328 \leq 225$

Hence Unsafe.

Actual provided section is unsafe so this section need to be modified



MODIFIED SECTTION

	MEMBER	=	BC3L(T3)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (Mx)	=	5660	kNm
	Shear Force(Fy)	=	2530	kN
	Axial force(P)	=	5620	kN
2	length of the member	=	4850	mm
	effective length(0.85L)	=	4122.5	mm
	Over all depth(D)	=	1165	mm
	Breadth(b)	=	723	mm
	web thickness	=	25	mm
3	**Section properties**			
	Area of section(A)	=	1466.66	cm^2
	Moment of Inertia (I_{xx})	=	2.81E+06	cm^4
	moment of inertia (I_{yy})	=	9.97E+05	cm^4
	Centroidal distance(y)	=	58.25	cm
	Section modulus(Z_{xx})	=	48285.494	cm^3

	Section modulus(Z_{yy})	=	17109.339	cm^3
	Radius of Gyration (r_x)	=	43.79	cm
	Radius of Gyration (r_y)	=	26.07	cm
4	slenderness ratio(λ)-(l/r_{xx})	=	9.41	
	(I/r_{yy})	=	15.81	
5	Axial stress($\sigma_{ac.cal}$)	=	38.32	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	117.22	N/mm^2
	IS800-1984 Table 5.1 permissible axial stress (σac) (cl : 6.2 , IS 800 :1987)	=	150	N/mm^2
	permissible bending stress (σ_{bc})-0.66fy	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	0.97	≤ 1

Hence safe

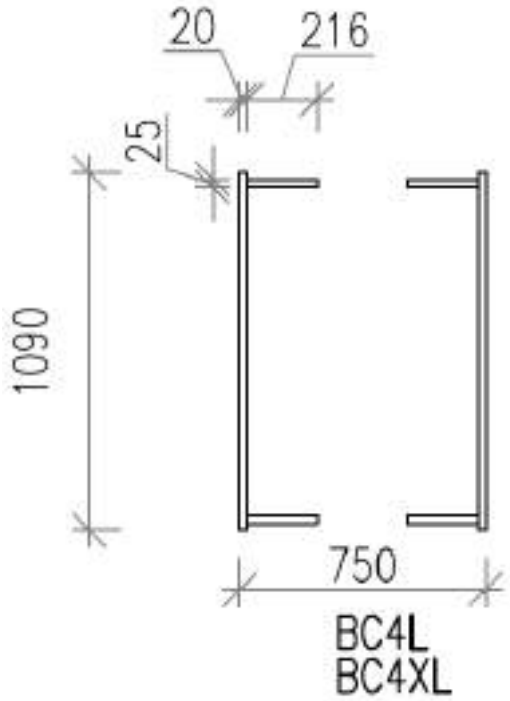
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 139 \leq 225$

Hence Safe.

NAME: BOTTOM CHORD (BC4L, BC4XL)



ACTUAL SECTION

	MEMBER	=	BC4L(T3)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (Mx)	=	5190	kNm
	Shear Force(Fy)	=	2440	kN
	Axial force(P)	=	4690	kN
2	length of the member	=	4850	mm
	Effective length(0.85L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	20	mm
3	**Section properties**			
	Area of section(A)	=	652	cm^2

	Moment of Inertia (I_{xx})	=	988100	cm^4
	moment of inertia (I_{yy})	=	721183	cm^4
	Centroidal distance(y)	=	54.5	cm
	Section modulus(Z_{xx})	=	18130.28	cm^3
	Section modulus(Z_{yy})	=	13232.72	cm^3
	Radius of Gyration (r_x)	=	38.92931	cm
	Radius of Gyration (r_y)	=	33.25822	cm
4	slenderness ratio(ʎ)-(l/r_{xx})	=	10.58	
	(I/r_{yy})	=	12.39	
5	Axial stress($\sigma_{ac.cal}$)	=	71.93	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	286.81	N/mm^2
	IS800-1984 Table 5.1 permissible axial stress (σ_{ac})	=	150	N/mm^2
	(cl: 6.2, IS 800 :1987) permissible bending stress (σ_{bc}) - 0.66fy	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	2.21	≤ 1

Unsafe

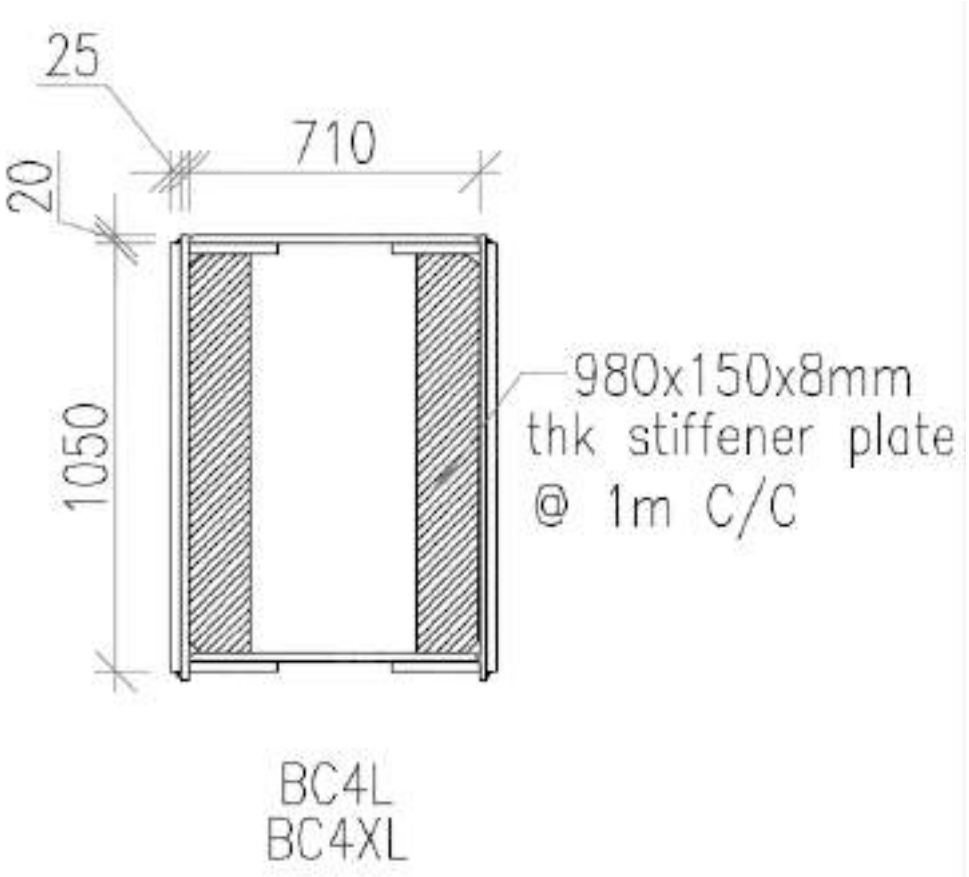
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$$= 302 \leq 225$$

Hence Unsafe.

Actual provided section is unsafe so this section need to be modified



MODIFIED SECTTION

	MEMBER	=	BC4L(T3)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (Mx)	=	5190	kNm
	Shear Force(Fy)	=	2440	kN
	Axial force(P)	=	4690	kN
2	length of the member	=	4850	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	800	mm
	web thickness	=	20	mm
3	**Section properties**			
	Area of section(A)	=	1461	cm^2
	Moment of Inertia (Ixx)	=	2228700	cm^4

	moment of inertia (I_{yy})	=	1629100	cm^4
	Centroidal distance(y)	=	54.5	cm
	Section modulus(Z_{xx})	=	40893.58	cm^3
	Section modulus(Z_{yy})	=	29891.74	cm^3
	Radius of Gyration (r_x)	=	39.05716	cm
	Radius of Gyration (r_y)	=	33.39249	cm
4	slenderness ratio(ʎ)-(l/r_{xx})	=	10.55	
	(I/r_{yy})	=	12.34	
5	Axial stress($\sigma_{ac.cal}$)	=	32.10	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	126.84	N/mm^2
	IS800-1984 Table 5.1 permissible axial stress (σ_{ac})	=	150	N/mm^2
	(cl: 6.2, IS 800 :1987) permissible bending stress (σ_{bc})- 0.66 fy	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	0.98	≤ 1

Hence safe

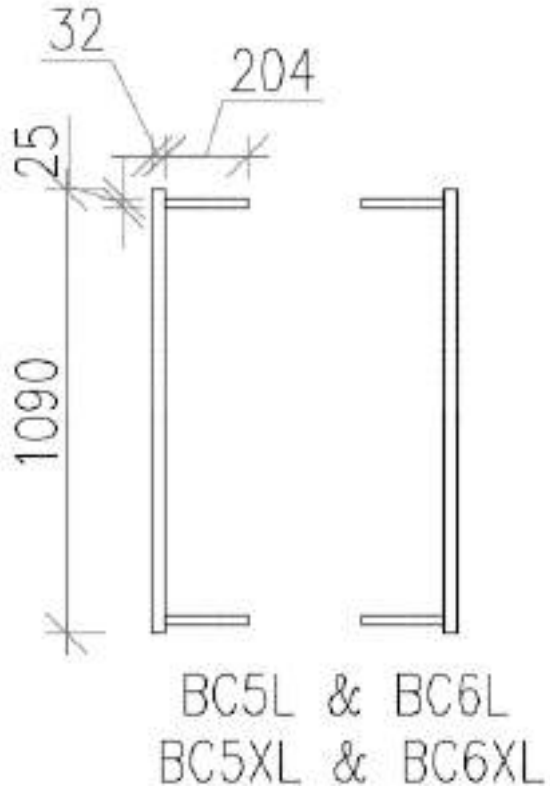
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 130 \leq 225$

Hence Safe.

NAME: BOTTOM CHORD (BC5L, BC5XL)



ACTUAL SECTION

MEMBER	=	BC5L(T3)	
yield stress of the material (f_y)	=	250	N/mm^2

1 **Maximum forces in the section**

Maximum moment (M_x)	=	4970	kNm
Shear Force(F_y)	=	2170	kN
Axial force(P)	=	3770	kN

2

length of the member	=	4850	mm
Effective length (0.85L)	=	4122.5	mm
Over all depth(D)	=	1090	mm
Breadth(b)	=	750	mm
web thickness	=	32	mm

3 **Section properties**

Area of section(A)	=	901.6	cm^2
Moment of Inertia (I_{xx})	=	1216200	cm^4

	moment of inertia (I_{yy})	=	1025230	cm^4
	Centroidal distance(y)	=	54.5	cm
	Section modulus(Z_{xx})	=	22315.6	cm^3
	Section modulus(Z_{yy})	=	18811.56	cm^3
	Radius of Gyration (r_x)	=	36.72785	cm
	Radius of Gyration (r_y)	=	33.72125	cm
4	slenderness ratio(ʎ)-(l/r_{xx})	=	11.22	
	(I/r_{yy})	=	12.22	
5	Axial stress($\sigma_{ac.cal}$)	=	41.81	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	222.71	N/mm^2
	IS800-1984 Table 5.1 permissible axial stress (σ_{ac})	=	150	N/mm^2
	Cl: 6.2 IS 800 :1987 permissible bending stress (σ_{bc})-0.66 f_y	=	165	N/mm^2
	($\sigma_{ac.cal}/\sigma_{ac}$)+($\sigma_{bc.cal}/\sigma_{bc}$)	=	1.63	≤ 1

Unsafe

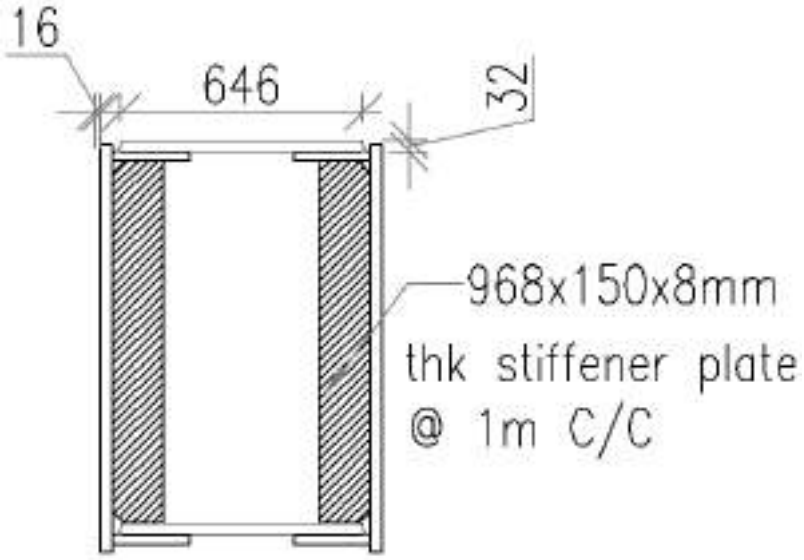
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 229 \leq 225$

Hence Unsafe.

Actual provided section is not safe so this section need to be modified



BC5L & BC6L
BC5XL & BC6XL

MODIFIED SECTTION

	MEMBER	=	BC5L(T3)	
	Yield stress of the material (f_y)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	4970	kNm
	Shear Force(F_y)	=	2170	kN
	Axial force(P)	=	3770	kN
2	length of the member	=	4850	mm
	Effective length(0.85L)	=	4122.5	mm
	Over all depth(D)	=	1100	mm
	Breadth(b)	=	750	mm
	web thickness	=	32	mm
3	**Section properties**			
	Area of section(A)	=	1272.4	cm^2
	Moment of Inertia (I_{xx})	=	2.20E+06	cm^4
	moment of inertia (I_{yy})	=	1.16E+06	cm^4
	Centroidal distance(y)	=	55	cm

	Section modulus(Z_{xx})	=	40051.64	cm^3
	Section modulus(Z_{yy})	=	21118.73	cm^3
	Radius of Gyration (r_x)	=	41.61	cm
	Radius of Gyration (r_y)	=	30.21	cm
4	slenderness ratio(ʎ)-(l/r_{xx})	=	9.91	
	(I/r_{yy})	=	13.64	
5	Axial stress($\sigma_{ac.cal}$)	=	29.63	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	124.09	N/mm^2
	IS800-1984 Table 5.1 permissible axial stress (σ_{ac})	=	150	N/mm^2
	Cl: 6.2 IS 800 :1987 permissible bending stress (σ_{bc})- 0.66 fy	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	0.95	≤ 1

Hence safe

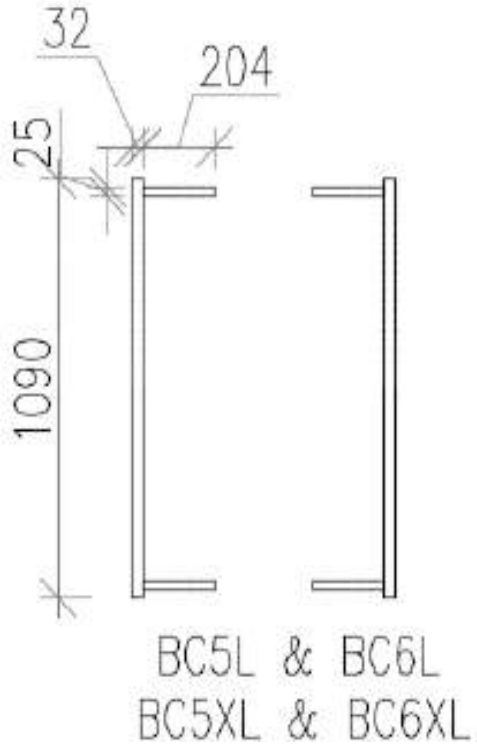
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 136 \leq 225$

Hence Safe.

NAME: BOTTOM CHORD (BC6L, BC6 XL)



ACTUAL SECTION

	MEMBER	=	BC6L(T3)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	4630	kNm
	Shear Force(F_y)	=	2010	kN
	Axial force(P)	=	3070	kN
2	length of the member	=	4850	mm
	Effective length(0.85L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	32	mm
3	**Section properties**			
	Area of section(A)	=	901.6	cm^2

	Moment of Inertia (I_{xx})	=	1216200	cm^4	
	moment of inertia (I_{yy})	=	1025230	cm^4	
	Centroidal distance(y)	=	54.5	cm	
	Section modulus(Z_{xx})	=	22315.6	cm^3	
	Section modulus(Z_{yy})	=	18811.56	cm^3	
	Radius of Gyration (r_x)	=	36.72785	cm	
	Radius of Gyration (r_y)	=	33.72125	cm	
4	slenderness ratio(ʎ)-(l/r_{xx})	=	11.22		
	(I/r_{yy})	=	12.22		
5	Axial stress($\sigma_{ac.cal}$)	=	34.05	N/mm^2	
	Actual bending stress($\sigma_{bc.cal}$)	=	207.48	N/mm^2	
	permissible axial stress (σ_{ac})	=	150	N/mm^2	IS800-1984 Table 5.1
	permissible bending stress (σ_{bc})-0.66fy	=	165	N/mm^2	Cl : 6.2 , IS 800 :1987
	($\sigma_{ac.cal}/\sigma_{ac}$)+($\sigma_{bc.cal}/\sigma_{bc}$)	=	1.48	≤ 1	

Unsafe

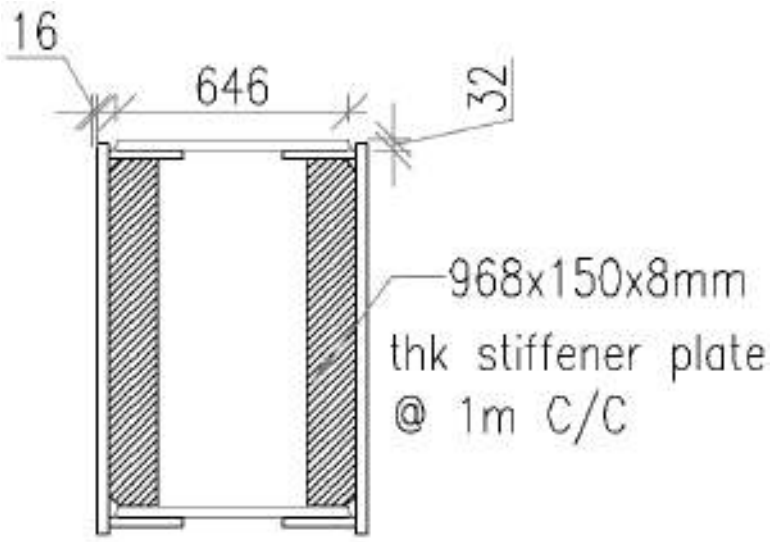
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 213 \leq 225$

Hence Safe.

Actual provided section is unsafe so this section need to be modified.



BC5L & BC6L
BC5XL & BC6XL

MODIFIED SECTTION

	MEMBER	=	BC6L(T3)	
	yield stress of the material (f_y)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	4630	kNm
	Shear Force(F_y)	=	2010	kN
	Axial force(P)	=	3070	kN
2	length of the member	=	4850	mm
	Over all depth(D)	=	1100	mm
	Breadth(b)	=	750	mm
	web thickness	=	32	mm
3	**Section properties**			
	Area of section(A)	=	1272.4	cm^2
	Moment of Inertia (I_{xx})	=	2.20E+06	cm^4
	moment of inertia (I_{yy})	=	1.16E+06	cm^4
	Centroidal distance(y)	=	55	cm
	Section modulus(Z_{xx})	=	40051.64	cm^3
	Section modulus(Z_{yy})	=	21118.73	cm^3

	Radius of Gyration (r_x)	=	41.61	cm
	Radius of Gyration (r_y)	=	30.21	cm
4	slenderness ratio(λ)-(l/r_{xx})	=	9.91	
	(I/r_{yy})	=	13.64	
5	Axial stress($\sigma_{ac.cal}$)	=	24.13	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	115.60	N/mm^2
	Cl: 6.2 IS 800 :1987 IS800-1984 Table 5.1			
	permissible axial stress (σ_{ac})	=	150	N/mm^2
	permissible bending stress (σ_{bc})-0.66Fy	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	0.86	≤ 1

Hence safe

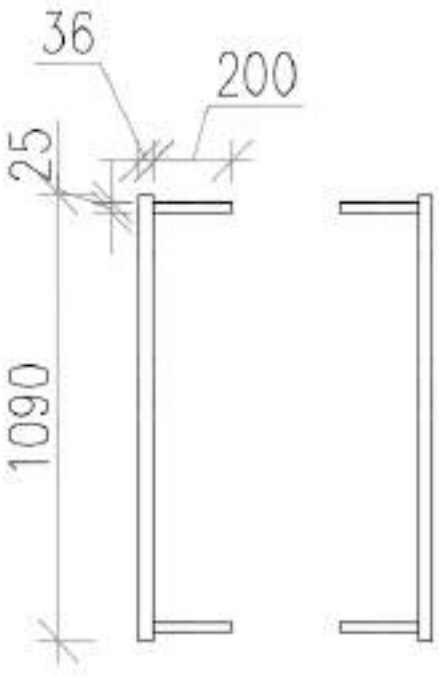
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 126 \leq 225$

Hence Safe.

NAME: BOTTOM CHORD (BC7 TO BC7 XL)



BC7L
BC7XL

ACTUAL SECTION

	MEMBER	=	BC7L(T3)	
	yield stress of the material (f_y)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	4640	kNm
	Shear Force(F_y)	=	2020	kN
	Axial force(P)	=	3090	kN
2	length of the member	=	4850	mm
	Effective length (0.85L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	36	mm

3 **Section properties**

Area of section(A)	=	984.8	cm^2
Moment of Inertia (I_{xx})	=	1292230	cm^4
moment of inertia (I_{yy})	=	1219800	cm^4
Centroidal distance(y)	=	54.5	cm
Section modulus(Z_{xx})	=	23710.642	cm^3
Section modulus(Z_{yy})	=	20586.789	cm^3
Radius of Gyration (r_x)	=	36.223957	cm
Radius of Gyration (r_y)	=	33.753479	cm

4 slenderness ratio(ʎ)-(l/r_{xx}) = 11.380

(l/r_{yy}) = 12.2136

5 Axial stress($\sigma_{ac.cal}$) = 31.38 N/mm^2

Actual bending stress($\sigma_{bc.cal}$) = 195.69 N/mm^2

permissible axial stress (σ_{ac}) = 150 N/mm^2 IS800-1984 Table 5.1

permissible bending stress (σ_{bc})-0.66fy = 165 N/mm^2 (cl : 6.2 , IS 800 :1987)

($\sigma_{ac.cal}/\sigma_{ac}$)+($\sigma_{bc.cal}/\sigma_{bc}$) = 1.40 ≤ 1

Unsafe

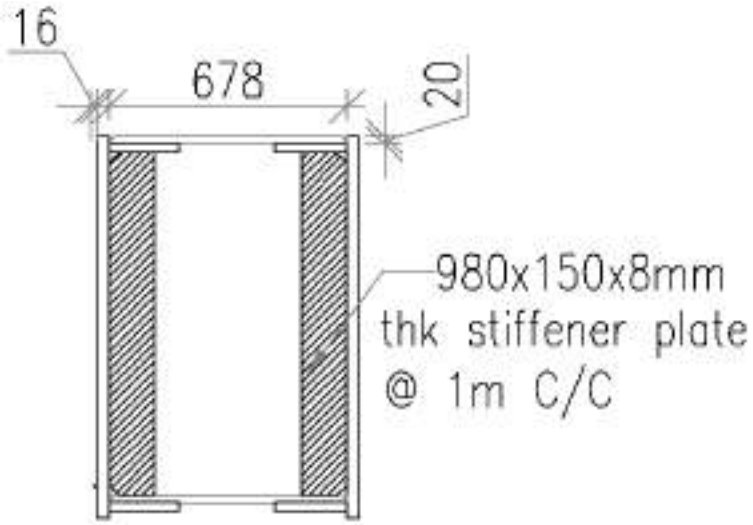
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 201 \leq 225$

Hence Safe.

Actual provided section is unsafe so this section need to be modified.



BC7L
BC7XL

MODIFIED SECTTION

	MEMBER	=	BC7L(T3)	
	yield stress of the material (f_y)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	4640	kNm
	Shear Force(F_y)	=	2020	kN
	Axial force(P)	=	3090	kN
2	length of the member	=	4850	mm
	Effective Length(0.85L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	36	mm
3	**Section properties**			
	Area of section(A)	=	1256	cm^2
	Moment of Inertia (I_{xx})	=	2.02E+06	cm^4
	moment of inertia (I_{yy})	=	1.23E+06	cm^4
	Centroidal distance(y)	=	54.5	cm
	Section modulus(Z_{xx})	=	36989.358	cm^3
	Section modulus(Z_{yy})	=	22492.844	cm^3

	Radius of Gyration (r_x)	=	40.062849	cm
	Radius of Gyration (r_y)	=	31.24105	cm
		=		
4	slenderness ratio(λ)-(l/r_{xx})	=	10.29	
	(I/r_{yy})	=	13.20	
5	Axial stress($\sigma_{ac.cal}$)	=	24.60	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	125.44	N/mm^2
	Cl: 6.2 IS 800 :1987 IS800-1984 Table 5.1			
	permissible axial stress (σ_{ac})	=	150	N/mm^2
	permissible bending stress (σ_{bc})	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	0.92	≤ 1
			Hence safe	

Hence the modified section is safe

Combined check for shear & moment

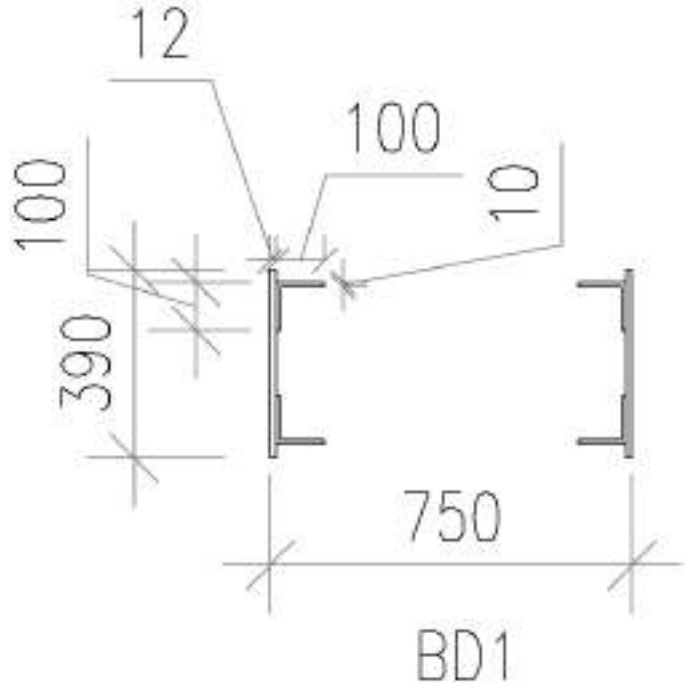
$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 133 \leq 225$

Hence Safe.

TYPICAL DESIGN/CHECK OF THE BOTTOM DIAGONAL MEMBER

NAME: BOTTOM DIAGONAL (BD1 TO BD1A)



ACTUAL SECTION

	MEMBER	=	BD1	
	yield stress of the material (f_y)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	515.47	kNm
	Shear Force(F_y)	=	116.411	Kn
	Axial force(P)	=	1620	kN
2	length of the member	=	7150	mm
	Effective length(0.85*L)	=	6077.5	mm
	Over all depth(D)	=	390	mm
	Breadth(b)	=	750	mm
	web thickness	=	16	mm
3	**Section properties**			
	Area of section(A)	=	200.92	cm^2
	Moment of Inertia (I_{xx})	=	255300	cm^4
	moment of inertia (I_{yy})	=	34000	cm^4
	Centroidal distance(y)	=	19.5	cm
	Section modulus(Z_{xx})	=	13092.308	cm^3

	Section modulus(Z_{yy})	=	1743.5897	cm^3
	Radius of Gyration (r_x)	=	35.646248	cm
	Radius of Gyration (r_y)	=	13.00852	cm
4	slenderness ratio(ʎ)-(l/r_{xx})	=	17.04948	mm
	(I/r_{yy})	=	46.719382	mm
5	Axial stress($\sigma_{ac.cal}$)	=	80.629	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	39.371	N/mm^2
	Cl: 6.2 IS 800 :1987 IS800-1984 Table 5.1			
	permissible axial stress (σ_{ac})	=	149	N/mm^2
	permissible bending stress (σ_{bc})	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	0.78	≤ 1

Hence safe

Combined check for shear & moment

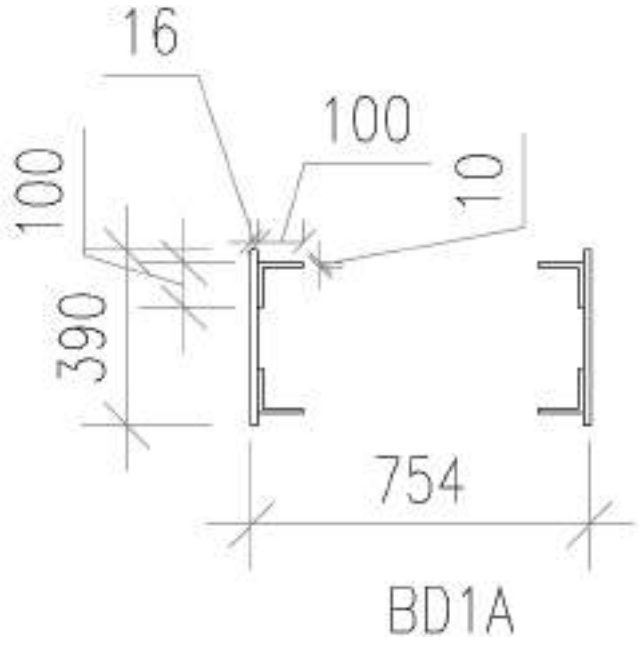
$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 45 \leq 225$

Hence Safe.

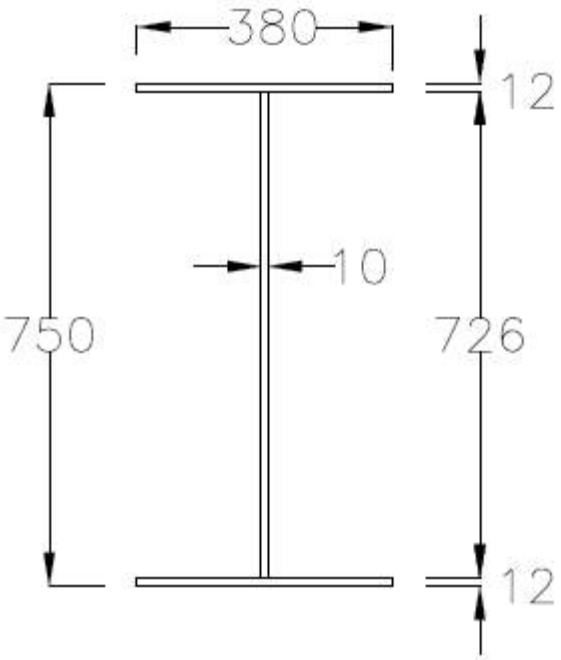
NOTE:

The actual provided Bottom chord members are safe, but due to the launching of the truss, the stress occurring in the other members causes excess stress in this member (BD1). Therefore, this member needs to be modified. The modified section (BD1A) is shown below.



TYPICAL DESIGN/CHECK OF THE BOTTOM VERTICAL MEMBER

NAME: BOTTOM VERTICAL (BV1L, BV1 XL)



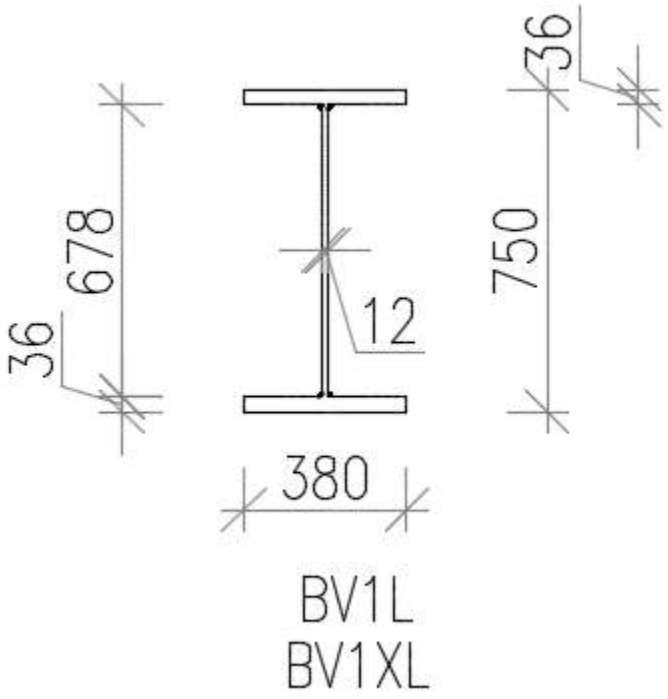
ACTUAL SECTION

	MEMBER	=	BV1L(T3)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (Mx) from satdd	=	119.296	kNm
	Shear Force(Fy)from stadd	=	23.748	kN
	Axial force(P) from stadd	=	3000	kN
2	length of the member	=	5250	mm
	Effective length	=	4462.5	mm
	Over all depth(D)	=	750	mm
	Breadth(b)	=	380	mm

	web thickness(t_w)	=	10	mm
	thickness of flange(t_f)	=	12	mm
	(D/T)	=	62.5	
	(T/t)	=	1.2	< 2
	d1	=	726	
	$d1/t_w$	=	60.5	< 85
3	**Section properties**			
	Area of section(A)	=	163.8	cm^2
	Moment of Inertia (I_{xx})	=	156078	cm^4
	moment of inertia (I_{yy})	=	10980.4	cm^4
	Centroidal distance(y)	=	37.5	cm
	Section modulus(Z_{xx})	=	4162.08	cm^3
	Section modulus(Z_{yy})	=	292.810	cm^3
	Radius of Gyration (r_x)	=	30.86	cm
	Radius of Gyration (r_y)	=	8.18	cm
4	slenderness ratio(λ)-(l/r_{xx})	=	14.45	
	(I/r_{yy})	=	54.51	
5	Axial stress($\sigma_{ac.cal}$)	=	183.15	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	28.662	N/mm^2
	permissible axial stress (σ_{ac})	=	147	N/mm^2
	permissible bending stress (σ_{bc})	=	150	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	1.44	≤ 1

Unsafe

Actual provided section is not safe so this section to be modified



MODIFIED SECTTION

	MEMBER	=	BV1XL(T3)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (Mx)	=	119.296	kNm
	Shear Force(Fy)	=	23.748	kN
	Axial force(P)	=	3000	kN
2	length of the member	=	5250	mm
	Effective length	=	4462.5	mm
	Over all depth(D)	=	750	mm
	Width of flange	=	380	mm
	Thickness of web(tw)	=	12	mm
	Thickness of Flange(tf)	=	36	mm
	(D/T)	=	20.83	
	(T/t)	=	3	< 2
	d1	=	678	
	d1/tw	=	56.5	< 85

3 **Section properties**

Area of section(A)	=	354.96	cm^2
Moment of Inertia (I_{xx})	=	207000	cm^4
moment of inertia (I_{yy})	=	32932.3	cm^4
Centroidal distance(y)	=	37.5	cm
Section modulus(Z_{xx})	=	5520	cm^3
Section modulus(Z_{yy})	=	878.1947	cm^3
Radius of Gyration (r_x)	=	24.1488	cm
Radius of Gyration (r_y)	=	9.632108	cm

4 slenderness ratio(λ)-(l/r_{xx}) = 21.740

(I/r_{yy}) = 54.505

5 Axial stress($\sigma_{ac.cal}$) = 84.51657 N/mm^2

Actual bending stress($\sigma_{bc.cal}$) = 21.61159 N/mm^2

permissible axial stress (σ_{ac}) = 149 N/mm^2 IS800-1984 Table 5.1

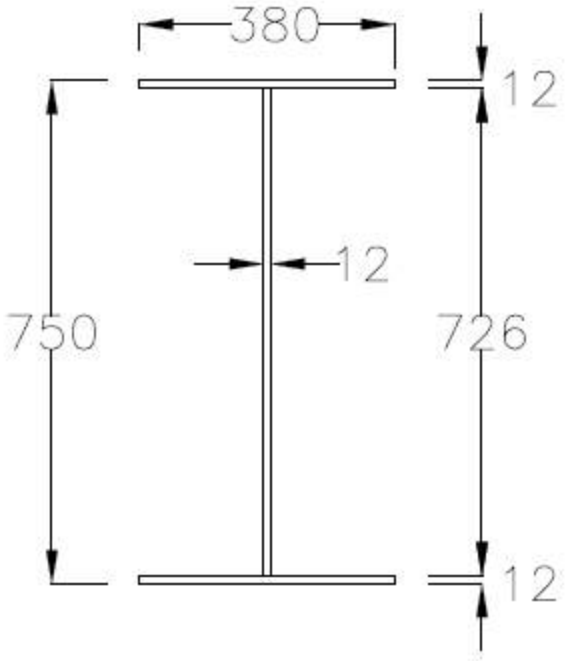
permissible bending stress (σ_{bc}) = 153 N/mm^2

$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$ = 0.71 ≤ 1

Hence safe

Hence the modified section is safe

NAME: BOTTOM VERTICAL (BV2L, BV2 XL)



ACTUAL SECTION

MEMBER	=	BV2L(T3)	
yield stress of the material (f_y)	=	250	N/mm^2

1 **Maximum forces in the section**

Maximum moment (M_x) from satdd	=	105.08	kNm
Shear Force(F_y)from stadd	=	23.12	Kn
Axial force(P) from stadd	=	3620	kN

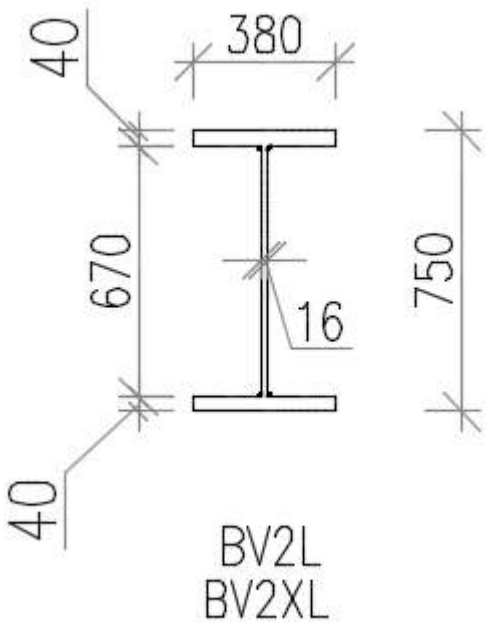
2

length of the member	=	5250	mm
Effective length	=	4462.5	mm
Over all depth(D)	=	750	mm
Breadth(b)	=	380	mm
web thickness(t_w)	=	12	mm
thickness of flange(t_f)	=	12	mm
(D/T)	=	62.5	
(T/t)	=	1	< 2

	d1	=	726		
	d1/tw	=	60.5	< 85	
3	**Section properties**				
	Area of section(A)	=	178.32	cm^2	
	Moment of Inertia (I_{xx})	=	162455	cm^4	
	moment of inertia (I_{yy})	=	10985.3	cm^4	
	Centroidal distance(y)	=	37.5	cm	
	Section modulus(Z_{xx})	=	4332.133	cm^3	
	Section modulus(Z_{yy})	=	292.9	cm^3	
	Radius of Gyration (r_x)	=	30.18	cm	
	Radius of Gyration (r_y)	=	7.84	cm	
4	slenderness ratio(λ)-(l/r_{xx})	=	14.78	mm	
	(I/r_{yy})	=	56.9	mm	
5	Axial stress($\sigma_{ac.cal}$)	=	203.05	N/mm^2	
	Actual bending stress($\sigma_{bc.cal}$)	=	24.25	N/mm^2	
	permissible axial stress (σ_{ac})	=	149	N/mm^2	IS800-1984 Table 5.1
	permissible bending stress (σ_{bc})	=	146	N/mm^2	IS800-1984 Table 6.1B
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	1.53	≤ 1	

Unsafe

Actual provided section is not safe so this section to be modified



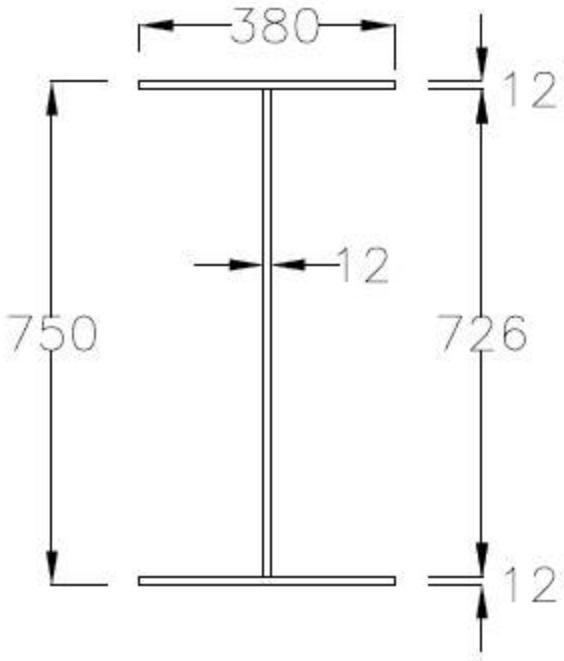
MODIFIED SECTTION

	MEMBER	=	BV2XL(T3)	
	yield stress of the material (f_y)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	105.08	kNm
	Shear Force(F_y)	=	23.12	kN
	Axial force(P)	=	3620	kN
2	length of the member	=	5250	mm
	Effective length	=	4462.5	mm
	Over all depth(D)	=	750	mm
	Width of flange	=	380	mm
	Thickness of web(t_w)	=	12	mm
	Thickness of Flange(t_f)	=	36	mm
	(D/T)	=	20.83333	
	(T/t)	=	3	< 2
	d1	=	678	
	$d1/t_w$	=	56.5	< 85

3	**Section properties**			
	Area of section(A)	=	354.96	cm^2
	Moment of Inertia (I_{xx})	=	380000	cm^4
	moment of inertia (I_{yy})	=	32932.3	cm^4
	Centroidal distance(y)	=	37.5	cm
	Section modulus(Z_{xx})	=	10133.33	cm^3
	Section modulus(Z_{yy})	=	878.1947	cm^3
	Radius of Gyration (r_x)	=	32.71916	cm
	Radius of Gyration (r_y)	=	9.632108	cm
		=		
4	slenderness ratio(λ)-(l/r_{xx})	=	16.045	
	(I/r_{yy})	=	54.505	
5	Axial stress($\sigma_{ac.cal}$)	=	101.98	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	10.36	N/mm^2
	permissible axial stress (σ_{ac})	=	149	N/mm^2
	permissible bending stress (σ_{bc})	=	153	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma b_{c.cal}/\sigma_{bc})$	=	0.75	≤ 1
			Hence safe	

Hence the modified section is safe

NAME: BOTTOM VERTICAL (BV3L,BV3 XL)



ACTUAL SECTION

MEMBER	=	BV3L(T3)	
yield stress of the material (f_y)	=	250	N/mm^2

1 **Maximum forces in the section**

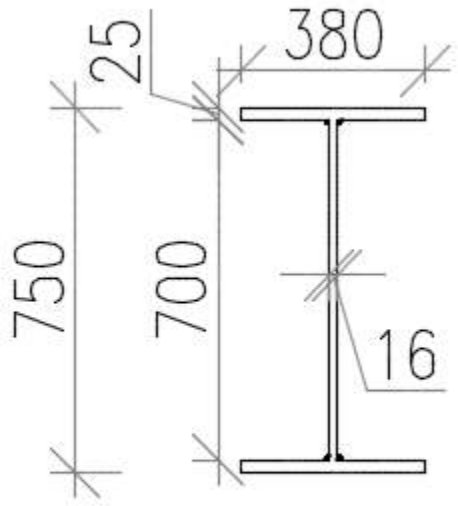
Maximum moment (Mx) from satdd	=	78.821	kNm
Shear Force(Fy)from stadd	=	13.564	kN
Axial force(P) from stadd	=	2460	kN

2	length of the member	=	5250	mm
	Effective length	=	4462.5	mm
	Over all depth(D)	=	750	mm
	Breadth(b)	=	380	mm
	web thickness(t_w)	=	12	mm
	thickness of flange(t_f)	=	12	mm
	(D/T)	=	62.5	mm
	(T/t)	=	1	< 2
	d1	=	726	

	$d1/t_w$	=	60.5	< 85	
3	**Section properties**				
	Area of section(A)	=	178.32	cm^2	
	Moment of Inertia (I_{xx})	=	162455	cm^4	
	moment of inertia (I_{yy})	=	10985.3	cm^4	
	Centroidal distance(y)	=	37.5	cm	
	Section modulus(Z_{xx})	=	4332.1	cm^3	
	Section modulus(Z_{yy})	=	292.94	cm^3	
	Radius of Gyration (r_x)	=	30.18	cm	
	Radius of Gyration (r_y)	=	7.85	cm	
4	slenderness ratio(λ)-(l/r_{xx})	=	14.78		
	(I/r_{yy})	=	56.9		
5	Axial stress($\sigma_{ac.cal}$)	=	138.0	N/mm^2	
	Actual bending stress($\sigma_{bc.cal}$)	=	18.2	N/mm^2	
	permissible axial stress (σ_{ac})	=	149	N/mm^2	IS800-1984 Table 5.1
	permissible bending stress (σ_{bc})	=	150	N/mm^2	IS800-1984 Table 6.1B
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	1.2	≤ 1	

Unsafe

Actual provided section is not safe so the section to be modified



BV3L&BV3XL

MODIFIED SECTTION

	MEMBER	=	BV3XL(T3)	
	yield stress of the material (f_y)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	78.821	kNm
	Shear Force(F_y)	=	13.564	kN
	Axial force(P)	=	2460	kN
2	length of the member	=	5250	mm
	Effective length	=	4462.5	mm
	Over all depth(D)	=	750	mm
	Width of flange	=	380	mm
	Thickness of web(t_w)	=	16	mm
	Thickness of Flange(t_f)	=	25	mm
	(D/T)	=	30	
	(T/t)	=	1.5625	< 2
	d1	=	700	
	$d1/t_w$	=	43.75	< 85

3 **Section properties**

Area of section(A)	=	302	cm^2
Moment of Inertia (I_{xx})	=	295500	cm^4
moment of inertia (I_{yy})	=	22900	cm^4
Centroidal distance(y)	=	37.5	cm
Section modulus(Z_{xx})	=	7880	cm^3
Section modulus(Z_{yy})	=	610.7	cm^3
Radius of Gyration (r_x)	=	31.28	cm
Radius of Gyration (r_y)	=	8.71	cm

4 slenderness ratio(λ)-(l/r_{xx}) = 16.78

(I/r_{yy}) = 60.29

5 Axial stress($\sigma_{ac.cal}$) = 81.46 N/mm^2

Actual bending stress($\sigma_{bc.cal}$) = 10.0 N/mm^2

Cl: 6.2 IS 800 :1987 IS800-1984 Table 5.1

permissible axial stress (σ_{ac}) = 149 N/mm^2

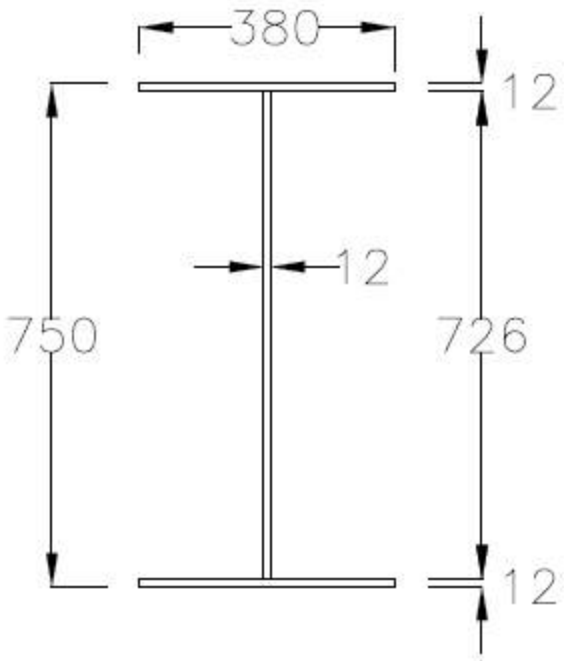
permissible bending stress (σ_{bc}) = 152 N/mm^2

$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$ = 0.61 ≤ 1

Hence safe

Hence the modified section is safe

NAME: BOTTOM VERTICAL (BV4l, BV4 XL)



ACTUAL SECTION

	MEMBER	=	BV4XL(T3)	
	yield stress of the material (f_y)	=	250	N/mm^2
	Maximum forces in the			
1	**section**			
	Maximum moment (M_x) from satdd	=	86.205	kNm
	Shear Force(F_y)from stadd	=	14.228	kN
	Axial force(P) from stadd	=	2340	kN
2	length of the member	=	5250	mm
	Effective length	=	4462.5	mm
	Over all depth(D)	=	750	mm
	Breadth(b)	=	380	mm
	web thickness(t_w)	=	12	mm
	thickness of flange(t_f)	=	12	mm
	(D/T)	=	62.5	
	(T/t)	=	1	< 2
	d1	=	726	
	$d1/t_w$	=	60.5	< 85

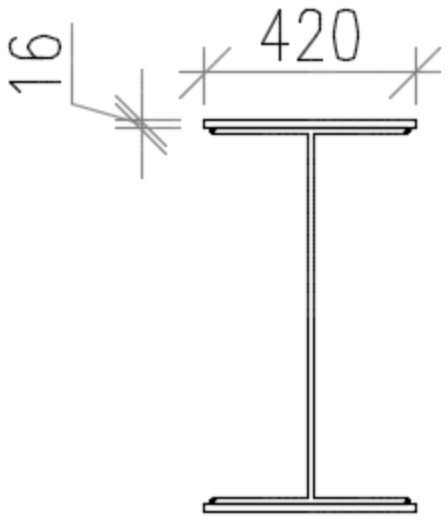
3 **Section properties**

Area of section(A)	=	178.32	cm^2	
Moment of Inertia (I_{xx})	=	162455	cm^4	
moment of inertia (I_{yy})	=	10985.3	cm^4	
Centroidal distance(y)	=	37.5	cm	
Section modulus(Z_{xx})	=	4332.13	cm^3	
Section modulus(Z_{yy})	=	292.9	cm^3	
Radius of Gyration (r_x)	=	30.18	cm	
Radius of Gyration (r_y)	=	7.84	cm	

4 slenderness ratio(λ)-(l/r_{xx})	=	14.78	mm	
(I/r_{yy})	=	56.9	mm	
5 Axial stress($\sigma_{ac.cal}$)	=	131.22	N/mm^2	
Actual bending stress($\sigma_{bc.cal}$)	=	19.90	N/mm^2	
permissible axial stress (σ_{ac})	=	149	N/mm^2	IS800-1984 Table 5.1
permissible bending stress (σ_{bc})	=	150	N/mm^2	IS800-1984 Table 6.1B
$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	1.14	≤ 1	

Unsafe

Actual provided section is not safe so this section to be modified



BV4L&BV4XL

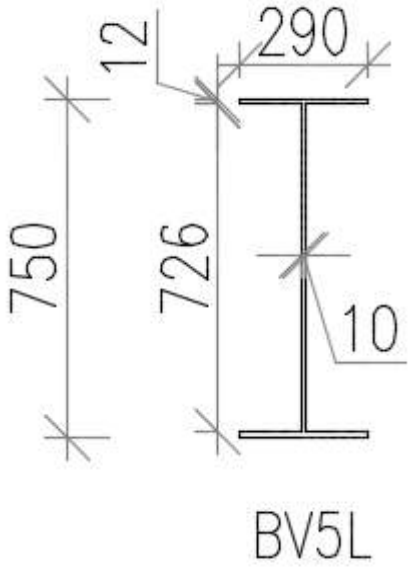
MODIFIED SECTTION

	MEMBER	=	BV4XL(T3)	
	yield stress of the material (f_y)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	86.205	kNm
	Shear Force(F_y)	=	14.228	kN
	Axial force(P)	=	2340	kN
2	length of the member	=	5250	mm
	Effective length	=	4462.5	
	Over all depth(D)	=	782	mm
	Width of flange	=	420	mm
	Thickness of web(t_w)	=	12	mm
	Thickness of Flange(t_f)	=	16	mm
	(D/T)	=	48.875	
	(T/t)	=	1.333333	< 2
	d1	=	750	
	$d1/t_w$	=	62.5	< 85

3	**Section properties**			
	Area of section(A)	=	312.72	cm^2
	Moment of Inertia (I_{xx})	=	359600	cm^4
	moment of inertia (I_{yy})	=	30700	cm^4
	Centroidal distance(y)	=	39.1	cm
	Section modulus(Z_{xx})	=	9196.931	cm^3
	Section modulus(Z_{yy})	=	785.16	cm^3
	Radius of Gyration (r_x)	=	33.91	cm
	Radius of Gyration (r_y)	=	9.908	cm
4	slenderness ratio(λ)-(l/r_{xx})	=	15.482	
	(I/r_{yy})	=	52.986	
5	Axial stress($\sigma_{ac.cal}$)	=	74.83	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)(x-axis	=	9.37	N/mm^2
	IS 800-1984 Table 5.1, Table 6.1B			
	permissible axial stress (σ_{ac})	=	149	N/mm^2
	permissible bending stress (σ_{bc})	=	155	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	0.6	≤ 1
			Hence safe	

Hence the modified section is safe

NAME: BOTTOM VERTICAL (BV5L, BV5 XL)



ACTUAL SECTION

MEMBER	=	BV5XL(T3)	
yield stress of the material (f_y)	=	250	N/mm^2

1 **Maximum forces in the section**

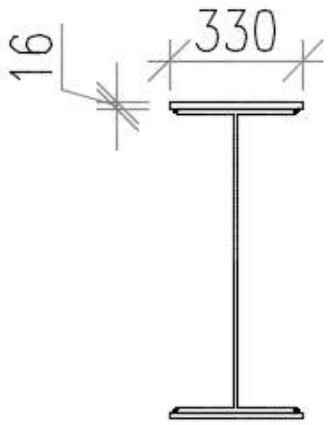
Maximum moment (M_x) from satdd	=	79	kNm
Shear Force(F_y)from stadd	=	13.35	kN
Axial force(P) from stadd	=	1870	kN

2	length of the member	=	5250	mm
	Effective length	=	4462.5	mm
	Over all depth(D)	=	750	mm
	Breadth(b)	=	290	mm
	web thickness(t_w)	=	10	mm
	thickness of flange(t_f)	=	12	mm
	(D/T)	=	62.5	
	(T/t)	=	1.2	< 2

	d1	=	726		
	$d1/t_w$	=	60.5	< 85	
3	**Section properties**				
	Area of section(A)	=	142.2	cm^2	
	Moment of Inertia (I_{xx})	=	126665	cm^4	
	moment of inertia (I_{yy})	=	4883.85	cm^4	
	Centroidal distance(y)	=	37.5	cm	
	Section modulus(Z_{xx})	=	3377.7	cm^3	
	Section modulus(Z_{yy})	=	130.236	cm^3	
	Radius of Gyration (r_x)	=	29.84	cm	
	Radius of Gyration (r_y)	=	5.86	cm	
4	slenderness ratio(λ)-(l/r_{xx})	=	14.95		
	(I/r_{yy})	=	76.1		
5	Axial stress($\sigma_{ac.cal}$)	=	131.504	N/mm^2	
	Actual bending stress($\sigma_{bc.cal}$)	=	23.3884	N/mm^2	
	permissible axial stress (σ_{ac})	=	149	N/mm^2	IS800-1984 Table 5.1
	permissible bending stress (σ_{bc})	=	137	N/mm^2	IS800-1984 Table 6.1B
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	1.1	≤ 1	

Unsafe

Actual provided section is not safe so the section to be modified



BV5XL

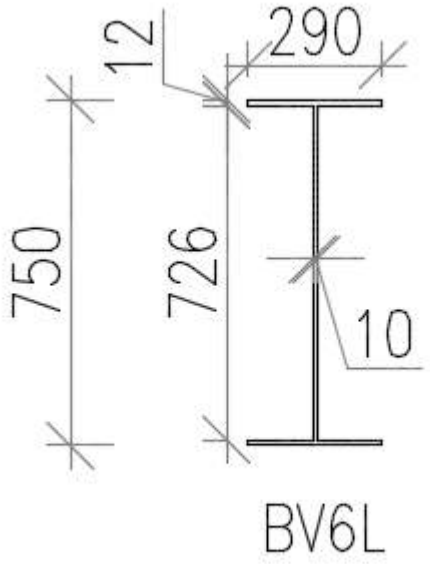
MODIFIED SECTTION

	MEMBER	=	BV5XL(T3)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	79	kNm
	Shear Force(F_y)	=	13.35	kN
	Axial force(P)	=	1870	kN
2	length of the member	=	5250	mm
	Effective length	=	4462.5	
	Over all depth(D)	=	782	mm
	Width of flange	=	330	mm
	Thickness of web(t_w)	=	10	mm
	Thickness of Flange(t_f)	=	12	mm
	(D/T)	=	65.2	
	(T/t)	=	1.2	< 2
	d1	=	758	mm
	d1/tw	=	75.8	< 85
3	**Section properties**			
	Area of section(A)	=	247.8	cm^2
	Moment of Inertia (I_{xx})	=	281600	cm^4
	moment of inertia (I_{yy})	=	14500	cm^4
	Centroidal distance(y)	=	39.1	cm

	Section modulus(Z_{xx})	=	7202.046	cm^3
	Section modulus(Z_{yy})	=	370.844	cm^3
	Radius of Gyration (r_x)	=	33.71	cm
	Radius of Gyration (r_y)	=	7.64	cm
4	slenderness ratio(Λ)-(l/r_{xx})	=	15.57	
	(I/r_{yy})	=	68.63	
5	Axial stress($\sigma_{ac.cal}$)	=	75.46408	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	10.96911	N/mm^2
	IS 800-1984 Table 5.1, Table 6.1B			
	permissible axial stress (σ_{ac})	=	149	N/mm^2
	permissible bending stress (σ_{bc})	=	144	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	0.58	≤ 1
			Hence safe	

Hence the modified section is safe

NAME: BOTTOM VERTICAL (BV6L, BV6 XL)



ACTUAL SECTION

MEMBER	=	BV6XL(T3)	
yield stress of the material (f_y)	=	250	N/mm^2

1 **Maximum forces in the section**

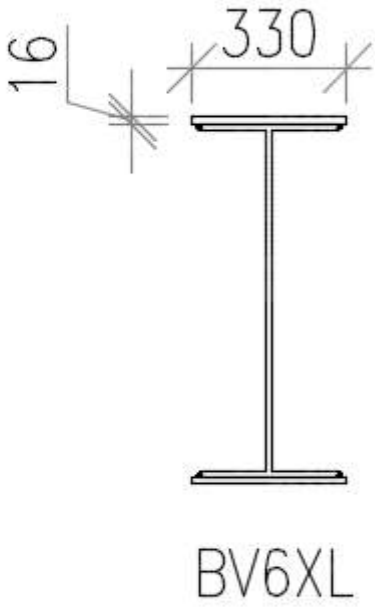
Maximum moment (Mx) from satdd	=	71.4	kNm
Shear Force(Fy)from stadd	=	13	kN
Axial force(P) from stadd	=	1560	kN

2 length of the member	=	5250	mm
Effective length	=	4462.5	mm
Over all depth(D)	=	750	mm
Breadth(b)	=	290	mm
web thickness(t_w)	=	10	mm
thickness of flange(t_f)	=	12	mm
(D/T)	=	62.5	

	(T/t)	=	1.2	< 2	
	d1	=	726		
	$d1/t_w$	=	60.5	< 85	
3	**Section properties**				
	Area of section(A)	=	142.2	cm^2	
	Moment of Inertia (I_{xx})	=	126665	cm^4	
	moment of inertia (I_{yy})	=	4883.85	cm^4	
	Centroidal distance(y)	=	37.5	cm	
	Section modulus(Z_{xx})	=	3377.733	cm^3	
	Section modulus(Z_{yy})	=	130.236	cm^3	
	Radius of Gyration (r_x)	=	29.84548	cm	
	Radius of Gyration (r_y)	=	5.860455	cm	
4	slenderness ratio(λ)-(l/r_{xx})	=	14.95	mm	
	(I/r_{yy})	=	76.1	mm	
5	Axial stress($\sigma_{ac.cal}$)	=	109.7	N/mm^2	(P/A)
	Actual bending stress($\sigma_{bc.cal}$)	=	21.14	N/mm^2	(M/Zxx)
	permissible axial stress (σ_{ac})	=	149	N/mm^2	IS800-1984 Table 5.1
	permissible bending stress (σ_{bc})	=	137	N/mm^2	IS800-1984 Table 6.1B
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	0.89	≤ 1	

Hence safe

However, the member is buckled at site, hence modified.



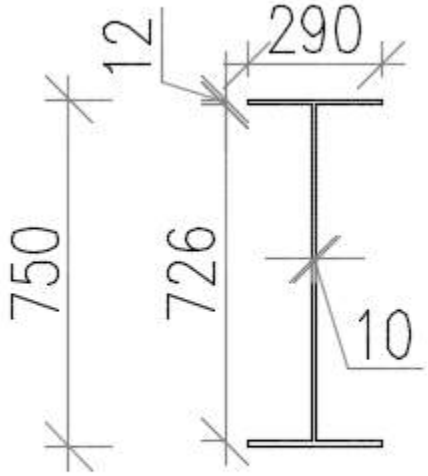
MODIFIED SECTTION

	MEMBER	=	BV6XL(T3)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	71.4	kNm
	Shear Force(F_y)	=	13	kN
	Axial force(P)	=	1560	kN
2	length of the member	=	5250	mm
	Effective length	=	4462.5	mm
	Over all depth(D)	=	782	mm
	Width of flange	=	330	mm
	Thickness of web(t_w)	=	10	mm
	Thickness of Flange(t_f)	=	12	mm
	(D/T)	=	65.2	
	(T/t)	=	1.2	< 2
	d1	=	758	mm
	$d1/t_w$	=	75.8	< 85

3	**Section properties**			
	Area of section(A)	=	247.8	cm^2
	Moment of Inertia (I_{xx})	=	281600	cm^4
	moment of inertia (I_{yy})	=	14500	cm^4
	Centroidal distance(y)	=	39.1	cm
	Section modulus(Z_{xx})	=	7202.046	cm^3
	Section modulus(Z_{yy})	=	370.844	cm^3
	Radius of Gyration (r_x)	=	33.71054	cm
	Radius of Gyration (r_y)	=	7.649505	cm
4	slenderness ratio(ʎ)-(l/r_{xx})	=	15.57	
	(I/r_{yy})	=	68.63	
5	Axial stress($\sigma_{ac.cal}$)	=	62.954	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	9.913849	N/mm^2
	permissible axial stress (σ_{ac})	=	149	N/mm^2
	permissible bending stress (σ_{bc})	=	144	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	0.49	≤ 1
			Hence safe	

Hence the modified section is safe

NAME: BOTTOM VERTICAL (BV7L, BV7 XL)



BV7L

ACTUAL SECTION

MEMBER	=	BV7XL(T3)	
yield stress of the material (f_y)	=	250	N/mm^2

1 **Maximum forces in the section**

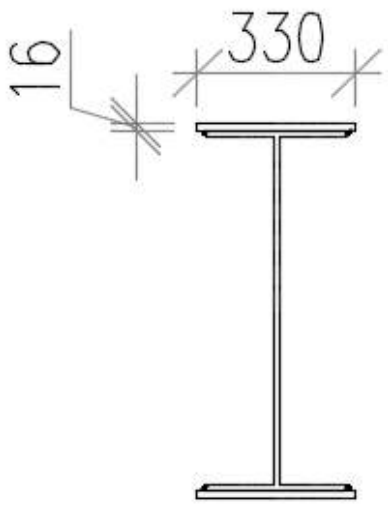
Maximum moment (M_x) from satdd	=	48	kNm
Shear Force(F_y)from stadd	=	9	kN
Axial force(P) from stadd	=	1320	kN

2 length of the member	=	5250	mm
Effective length	=	4462.5	mm
Over all depth(D)	=	750	mm
Breadth(b)	=	290	mm
web thickness(t_w)	=	10	mm
thickness of flange(t_f)	=	12	mm
(D/T)	=	62.5	
(T/t)	=	1.2	< 2

	d1	=	726		
	$d1/t_w$	=	60.5	< 85	
3	**Section properties**				
	Area of section(A)	=	142.2	cm^2	
	Moment of Inertia (I_{xx})	=	126665	cm^4	
	moment of inertia (I_{yy})	=	4883.85	cm^4	
	Centroidal distance(y)	=	37.5	cm	
	Section modulus(Z_{xx})	=	3377.733	cm^3	
	Section modulus(Z_{yy})	=	130.236	cm^3	
	Radius of Gyration (r_x)	=	29.84548	cm	
	Radius of Gyration (r_y)	=	5.860455	cm	
4	slenderness ratio(λ)-(l/r_{xx})	=	14.95		
	(I/r_{yy})	=	76.1		
5	Axial stress($\sigma_{ac.cal}$)	=	92.8	N/mm^2	
	Actual bending stress($\sigma_{bc.cal}$)	=	14.21	N/mm^2	
	permissible axial stress (σ_{ac})	=	149	N/mm^2	IS800-1984 Table 5.1
	permissible bending stress (σ_{bc})	=	139	N/mm^2	IS800-1984 Table 6.1B
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	0.73	≤ 1	

Hence safe

However, the member is buckled at site, hence modified.



BV7XL

MODIFIED SECTTION

	MEMBER	=	BV7XL(T3)	
	yield stress of the material (f_y)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	48	kNm
	Shear Force(F_y)	=	9	kN
	Axial force(P)	=	1320	kN
2	length of the member	=	5250	mm
	Effective length	=	4462.5	mm
	Over all depth(D)	=	782	mm
	Width of flange	=	330	mm
	Thickness of web(t_w)	=	10	mm
	Thickness of Flange(t_f)	=	16	mm
	(D/T)	=	48.9	
	(T/t)	=	1.6	< 2
	d1	=	750	mm
	$d1/t_w$	=	75	< 85

3 **Section properties**

Area of section(A)	=	247.8	cm^2
Moment of Inertia (I_{xx})	=	281598	cm^4
moment of inertia (I_{yy})	=	14499.94	cm^4
Centroidal distance(y)	=	39.1	cm
Section modulus(Z_{xx})	=	7201.995	cm^3
Section modulus(Z_{yy})	=	370.8425	cm^3
Radius of Gyration (r_x)	=	33.71042	cm
Radius of Gyration (r_y)	=	7.64949	cm

4 slenderness ratio(λ)-(l/r_{xx}) = 15.57

(I/r_{yy}) = 68.63

5 Axial stress($\sigma_{ac.cal}$)	=	53.26877	N/mm^2
Actual bending stress($\sigma_{bc.cal}$)	=	6.66482	N/mm^2
permissible axial stress (σ_{ac})	=	149	N/mm^2
permissible bending stress (σ_{bc})	=	141	N/mm^2
$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	0.40	≤ 1

Hence safe

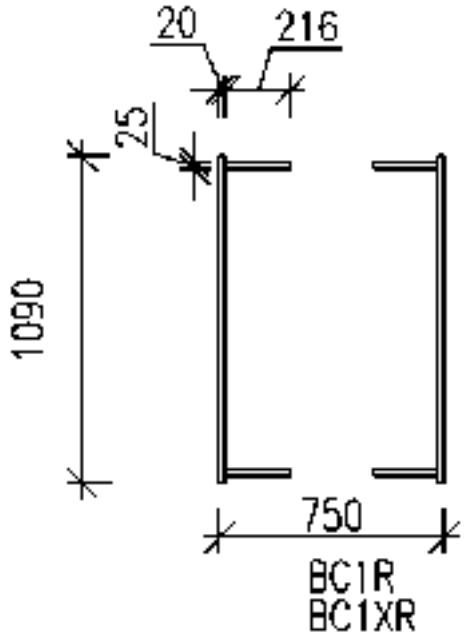
Hence the modified section is safe

ANNEXURE-II

DESIGN/CHECK OF THE MEMBERS FAILED DURING THE LAUNCH OF SECOND SPAN (TRUSS T2)

TYPICAL DESIGN/CHECK OF THE BOTTOM CHORD MEMBER

NAME: BOTTOM CHORD BC1 (T2)



SECTION PROPERTIES

` **ACTUAL SECTION**

MEMBER	=	BC1R(T2)	
yield stress of the material (fy)	=	250	N/mm^2

1 **Maximum forces in the section**

Maximum moment (M_x)	=	3410	kNm
Shear Force(F_y)	=	2300	kN
Axial force(P)	=	1290	kN

2

length of the member	=	4850	mm
Effective length(0.85*L)	=	4122.5	mm
Over all depth(D)	=	1090	mm
Breadth(b)	=	750	mm
web thickness	=	20	mm

3 **Section properties**

Area of section(A)	=	652	cm^2
Moment of Inertia (I_{xx})	=	988110	cm^4

	moment of inertia (I_{yy})	=	721183	cm^4
	Centroidal distance(y)	=	54.5	cm
	Section modulus(Z_{xx})	=	18130.459	cm^3
	Section modulus(Z_{yy})	=	13232.716	cm^3
	Radius of Gyration (r_x)	=	38.929502	cm
	Radius of Gyration (r_y)	=	33.258215	Cm
	Shear Area	=	436	Cm^2
4	slenderness ratio(λ)-(l/r_{xx})	=	10.59	
	(I/r_{yy})	=	12.40	
5	Axial stress($\sigma_{ac.cal}$)	=	19.78	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	188.08	N/mm^2
	IS 800-1984 Table 5.1 permissible axial stress (σ_{ac})	=	150	N/mm^2
	Class: 6.2 IS 800 :1987 permissible bending stress (σ_{bc}) ($0.66f_y$)	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	1.27	≥ 1
			Unsafe	

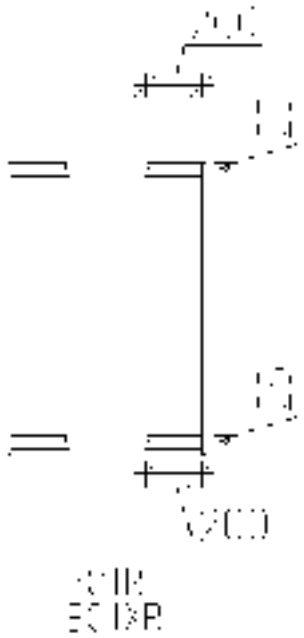
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$$= 209 \leq 225$$

Hence Safe.

Actual provided section is unsafe so this section need to be modified.



MODIFIED SECTION

	MEMBER	=	BC1R(T2)	
	yield stress of the material (fy)	=	250	N/mm2
	Maximum forces in the			
1	**section**			
	Maximum moment (Mx)	=	3770	kNm
	Shear Force(Fy)	=	2310	kN
	Axial force(P)	=	1350	kN
2	length of the member	=	4850	mm
	Effective length(0.85*L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	20	mm
3	**Section properties**			
	Area of section(A)	=	852	cm^2
	Moment of Inertia (Ixx)	=	1.50E+06	cm^4
	moment of inertia (Iyy)	=	8.58E+05	cm^4
	Centroidal distance(y)	=	54.5	cm

	Section modulus(Zxx)	=	27601.467	cm^3	
	Section modulus(Zyy)	=	15741.302	cm^3	
	Radius of Gyration (rx)	=	42.018886	cm	
	Radius of Gyration (r_y)	=	31.732098	Cm	
	Shear Area	=	436	Cm^2	
4	slenderness ratio(ʎ)-(l/rxx)	=	9.811		
	(I/ryy)	=	12.992		
5	Axial stress(σac.cal)	=	15.845	N/mm2	(P/A)
	Actual bending stress(σbc.cal)	=	136.587	N/mm2	(M/Z xx)
	IS800-1984 Table5.1 & cl.6.2				
	permissible axial stress (σac)	=	150	N/mm2	
	permissible bending stress (σbc)	=	165	N/mm2	
	(σac.cal/σac)+(σbc.cal/σbc)	=	0.93	≤ 1	

Safe

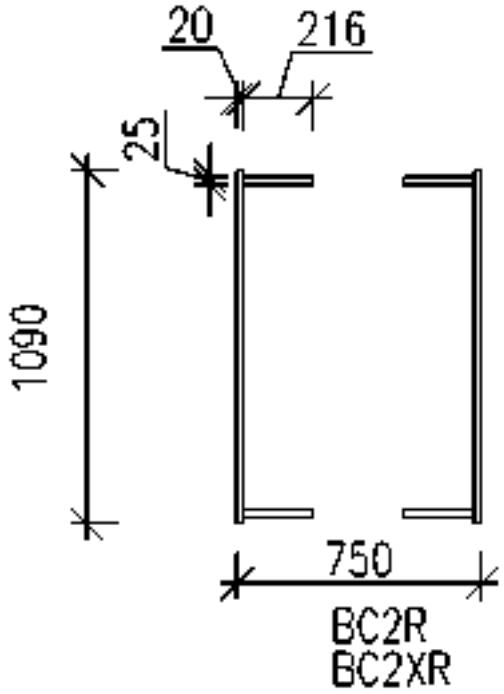
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 165 \leq 225$

Hence Safe.

NAME: BOTTOM CHORD BC2 (T2)



ACTUAL SECTION

	MEMBER	=	BC2R(T2)	
	yield stress of the material (f_y)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (Mx)	=	3680	kNm
	Shear Force(F_y)	=	1680	kN
	Axial force(P)	=	1480	kN
2	length of the member	=	4850	mm
	Effective length(0.85*L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	20	mm
3	**Section properties**			
	Area of section(A)	=	652	cm^2
	Moment of Inertia (Ixx)	=	988100	cm^4
	moment of inertia (Iyy)	=	721183	cm^4
	Centroidal distance(y)	=	54.5	cm

	Section modulus(Zxx)	=	18130.28	cm^3
	Section modulus(Zyy)	=	13232.72	cm^3
	Radius of Gyration (r_x)	=	38.92931	cm
	Radius of Gyration (r_y)	=	33.258215	Cm
	Shear Area	=	436	Cm^2
4	slenderness ratio(λ)-(l/r_{xx})	=	10.59	
	(I/r_{yy})	=	12.4	
5	Axial stress($\sigma_{ac.cal}$)	=	22.7	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	202.97	N/mm^2
	IS800-1984 Table 5.1 permissible axial stress (σ_{ac})	=	150	N/mm^2
	(Class: 6.2 IS 800 :1987) permissible bending stress (σ_{bc}) (0.66fy)	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	1.38	≥ 1

Unsafe

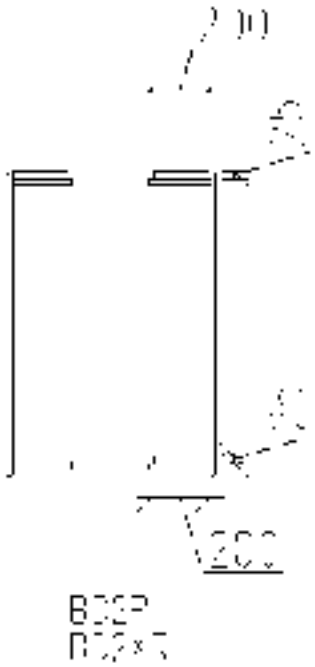
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$$= 214 \leq 225$$

Hence Safe.

Actual provided section is unsafe so this section need to be modified.



MODIFIED SECTION

	MEMBER	=	BC2R(T2)	
	yield stress of the material (fy)	=	250	N/mm2
	Maximum forces in the			
1	**section**			
	Maximum moment (Mx)	=	4050	kNm
	Shear Force(Fy)	=	1620	Kn
	Axial force(P)	=	1680	kN
2	length of the member	=	4850	mm
	Effective length(0.85*L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	20	mm
3	**Section properties**			
	Area of section(A)	=	852.00	cm^2
	Moment of Inertia (Ixx)	=	1504280.0	cm^4
	moment of inertia (Iyy)	=	857901.01	cm^4

	Centroidal distance(y)	=	54.50	cm	
	Section modulus(Zxx)	=	27601.47	cm^3	
	Section modulus(Zyy)	=	15741.30	cm^3	
	Radius of Gyration (rx)	=	42.02	cm	
	Radius of Gyration (r_y)	=	31.73	Cm	
	Shear Area	=	436	Cm^2	
4	slenderness ratio(ʎ)-(l/rxx)	=	9.81		
	(I/ryy)	=	12.99		
5	Axial stress(σac.cal)	=	19.01	N/mm2	(P/A)
	Actual bending stress(σbc.cal)	=	146.73	N/mm2	(M/Z xx)
	IS800-1984 Table5.1 & cl.6.2				
	permissible axial stress (σac)	=	150	N/mm2	
	permissible bending stress (σbc)	=	165	N/mm2	
	(σac.cal/σac)+(σbc.cal/σbc)	=	1.0	≤ 1	

Safe

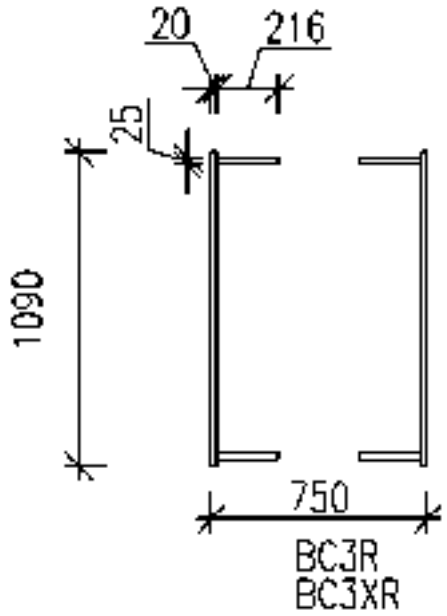
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 161 \leq 225$

Hence Safe.

NAME: BOTTOM CHORD BC3 (T2)



ACTUAL SECTION

	MEMBER	=	BC3R(T2)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	3410	kNm
	Shear Force(F_y)	=	1800	kN
	Axial force(P)	=	1270	kN
2	length of the member	=	4850	mm
	Effective length(0.85L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	20	mm
3	**Section properties**			
	Area of section(A)	=	652	cm^2
	Moment of Inertia (I_{xx})	=	988100	cm^4
	moment of inertia (I_{yy})	=	722183	cm^4
	Centroidal distance(y)	=	54.5	cm
	Section modulus(Z_{xx})	=	18130.28	cm^3

	Section modulus(Z_{yy})	=	13251.06	cm^3
	Radius of Gyration (r_x)	=	38.93	cm
	Radius of Gyration (r_y)	=	33.258215	Cm
	Shear Area	=	436	Cm^2
		=		
4	slenderness ratio(ʎ)-($l/_{rxx}$)	=	10.59	
	(I/r_{yy})	=	12.4	
5	Axial stress(σac.cal)	=	19.47	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	188.08	N/mm^2
	IS800-1984 Table 5.1			
	permissible axial stress (σ_{ac})	=	150	N/mm^2
	permissible bending stress (σ_{bc})-0.66fy	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	1.27	≥ 1

Unsafe

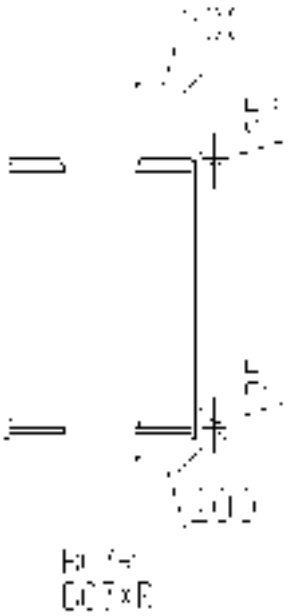
Combined check for shear & moment

$$\boldsymbol{\sigma_{e,cal}} = \sqrt{(\boldsymbol{\sigma_{bt^2,Cal}} + \mathbf{3}\boldsymbol{\tau_{vm^2,Cal}})}$$

$= 201 \leq 225$

Hence Safe.

Actual provided section is unsafe so this section need to be modified.



MODIFIED SECTION

	MEMBER	=	BC3R(T2)	
	yield stress of the material (fy)	=	250	N/mm2
1	**Maximum forces in the section**			
	Maximum moment (Mx)	=	3690	kNm
	Shear Force(Fy)	=	1830	Kn
	Axial force(P)	=	1400	kN
2	length of the member	=	4850	mm
	Effective length(0.85*L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	20	mm
3	**Section properties**			
	Area of section(A)	=	852	cm2
	Moment of Inertia (Ixx)	=	1.50E+06	cm4
	moment of inertia (Iyy)	=	8.58E+05	cm4
	Centroidal distance(y)	=	54.5	cm
	Section modulus(Zxx)	=	27601.47	cm3
	Section modulus(Zyy)	=	15741.30	cm3

	Radius of Gyration (rx)	=	42.02	cm	
	Radius of Gyration (r_y)	=	31.73	Cm	
	Shear Area	=	436	Cm2	
4	slenderness ratio(ʎ)-(l/rxx)	=	9.81		
	(I/ryy)	=	12.99		
5	Axial stress(σac.cal)	=	16.43	N/mm2	(P/A)
	Actual bending stress(σbc.cal)	=	133.69	N/mm2	(M/Z xx)
	IS800-1984 Table5.1 & cl.6.2 permissible axial stress (σac)	=	150	N/mm2	
	permissible bending stress (σbc)	=	165	N/mm2	
	(σac.cal/σac)+(σbc.cal/σbc)	=	0.92	≤ 1	

Safe

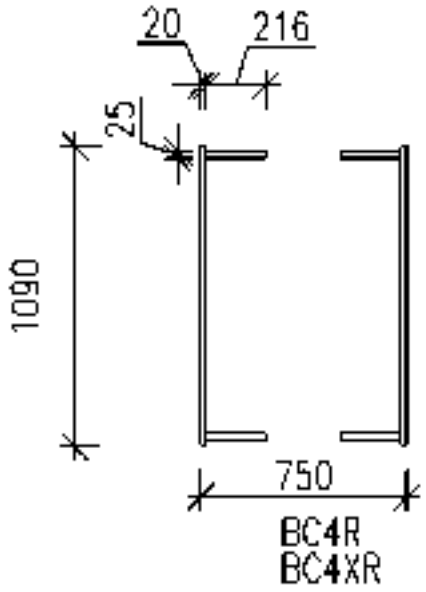
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$$= 152 \leq 225$$

Hence Safe.

NAME: BOTTOM CHORD BC4 (T2)



ACTUAL SECTION

	MEMBER	=	BC4R(T2)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (Mx)	=	3410	kNm
	Shear Force(Fy)	=	1810	kN
	Axial force(P)	=	1400	kN
2	length of the member	=	4850	mm
	Effective length(0.85L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	20	mm
3	**Section properties**			
	Area of section(A)	=	652	cm^2
	Moment of Inertia (I_{xx})	=	988100	cm^4
	moment of inertia (I_{yy})	=	721183	cm^4
	Centroidal distance(y)	=	54.5	cm
	Section modulus(Z_{xx})	=	18130.28	cm^3

	Section modulus(Z_{yy})	=	13232.72	cm^3
	Radius of Gyration (r_x)	=	38.92931	cm
	Radius of Gyration (r_y)	=	33.258215	Cm
	Shear Area	=	436	Cm^2
4	slenderness ratio(λ)-(l/r_{xx})	=	10.58	
	(I/r_{yy})	=	12.39	
5	Axial stress($\sigma_{ac.cal}$)	=	21.47	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	188.08	N/mm^2
	IS800-1984 Table 5.1 permissible axial stress (σ_{ac})	=	150	N/mm^2
	(cl: 6.2, IS 800 :1987) permissible bending stress (σ_{bc}) -0.66fy	=	165	N/mm^2
	$(\sigma_{ac.cal}/\sigma_{ac})+(\sigma_{bc.cal}/\sigma_{bc})$	=	1.28	≥ 1

Unsafe

Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$$= 201 \leq 225$$

Hence Safe.

Actual provided section is unsafe so this section need to be modified.



MODIFIED SECTION

	MEMBER	=	BC4R(T2)	
	yield stress of the material (fy)	=	250	N/mm2
	Maximum forces in the			
1	**section**			
	Maximum moment (Mx)	=	3750	kNm
	Shear Force(Fy)	=	1860	kN
	Axial force(P)	=	1500	kN
2	length of the member	=	4850	mm
	Effective length(0.85*L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	20	mm
3	**Section properties**			
	Area of section(A)	=	852	cm^2
	Moment of Inertia (Ixx)	=	1.50E+06	cm^4
	moment of inertia (Iyy)	=	8.58E+05	cm^4
	Centroidal distance(y)	=	54.5	cm
	Section modulus(Zxx)	=	27601.47	cm^3
	Section modulus(Zyy)	=	15741.30	cm^3

	Radius of Gyration (rx)	=	42.02	cm	
	Radius of Gyration (r_y)	=	31.73	Cm	
	Shear Area	=	436	Cm^2	
4	slenderness ratio(ʎ)-(l/rxx)	=	9.81		
	(I/ryy)	=	12.99		
5	Axial stress(σac.cal)	=	17.61	N/mm2	(P/A)
	Actual bending stress(σbc.cal)	=	135.86	N/mm2	(M/Z xx)
	IS800-1984 Table5.1 & cl.6.2 permissible axial stress (σac)	=	150	N/mm2	
	permissible bending stress (σbc)	=	165	N/mm2	
	(σac.cal/σac)+(σbc.cal/σbc)	=	0.94	≤ 1	

Safe

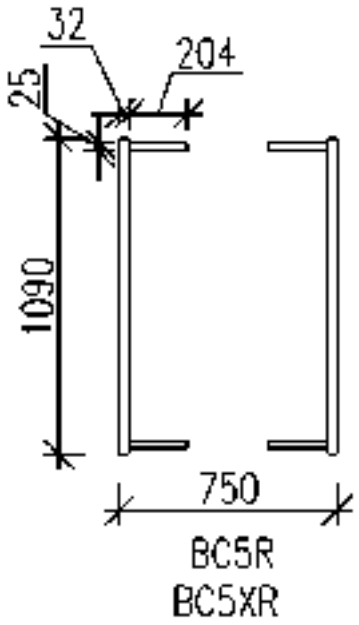
Combined check for shear & moment

$$\boldsymbol{\sigma_{e,cal}} = \sqrt{(\boldsymbol{\sigma_{bt^2,Cal}} + \mathbf{3}\boldsymbol{\tau_{vm^2,Cal}})}$$

$= 155 \leq 225$

Hence Safe.

NAME: BOTTOM CHORD BC5 (T2)



ACTUAL SECTION

MEMBER	=	BC5R(T2)	
yield stress of the material (f_y)	=	250	N/mm^2

1 **Maximum forces in the section**

Maximum moment (M_x)	=	3670	kNm
Shear Force(F_y)	=	1830	kN
Axial force(P)	=	1580	kN

2

length of the member	=	4850	mm
Effective length (0.85L)	=	4122.5	mm
Over all depth(D)	=	1090	mm
Breadth(b)	=	750	mm
web thickness	=	32	mm

3 **Section properties**

Area of section(A)	=	901.6	cm^2
Moment of Inertia (I_{xx})	=	1216200	cm^4
moment of inertia (I_{yy})	=	1025230	cm^4
Centroidal distance(y)	=	54.5	cm
Section modulus(Z_{xx})	=	22315.6	cm^3

	Section modulus(Z_{yy})	=	18811.56	cm^3
	Radius of Gyration (r_x)	=	36.72785	cm
	Radius of Gyration (r_y)	=	33.721253	Cm
	Shear Area	=	697.6	Cm^2
4	slenderness ratio(λ)-(l/r_{xx})	=	11.22	
	(I/r_{yy})	=	12.22	
5	Axial stress($\sigma_{ac.cal}$)	=	17.52	N/mm^2
	Actual bending stress($\sigma_{bc.cal}$)	=	164.45	N/mm^2
	IS800-1984 Table 5.1 permissible axial stress (σ_{ac})	=	150	N/mm^2
	Cl: 6.2 IS 800 :1987 permissible bending stress (σ_{bc})-0.66 f_y	=	165	N/mm^2
	($\sigma_{ac.cal}/\sigma_{ac}$)+($\sigma_{bc.cal}/\sigma_{bc}$)	=	1.11	≥ 1

Unsafe

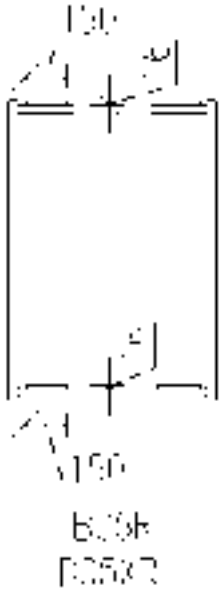
Combined check for shear & moment

$$\boldsymbol{\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}}$$

$= 171 \leq 225$

Hence Safe.

Actual provided section is Unsafe so this section need to be modified.



MODIFIED SECTION

	MEMBER	=	BC5R(T2)	
	yield stress of the material (fy)	=	250	N/mm2
	Maximum forces in the			
1	**section**			
	Maximum moment (Mx)	=	3840	kNm
	Shear Force(Fy)	=	1880	kN
	Axial force(P)	=	1640	kN
2	length of the member	=	4850	mm
	Effective length(0.85*L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	32	mm
3	**Section properties**			
	Area of section(A)	=	997.6	cm2
	Moment of Inertia (Ixx)	=	1.46E+06	cm4
	moment of inertia (Iyy)	=	1.08E+06	cm4
	Centroidal distance(y)	=	54.5	cm
	Section modulus(Zxx)	=	26859.45	cm3

	Section modulus(Zyy)	=	19867.706	cm3	
	Radius of Gyration (rx)	=	38.31	cm	
	Radius of Gyration (r_y)	=	32.95	Cm	
	Shear Area	=	697.6	Cm2	
4	slenderness ratio(ʎ)-(l/rxx)	=	10.76		
	(I/ryy)	=	12.51		
5	Axial stress(σac.cal)	=	16.44	N/mm2	(P/A)
	Actual bending stress(σbc.cal)	=	142.97	N/mm2	(M/Z xx)
	IS800-1984 Table5.1 & cl.6.2				
	permissible axial stress (σac)	=	150	N/mm2	
	permissible bending stress (σbc)	=	165	N/mm2	
	(σac.cal/σac)+(σbc.cal/σbc)	=	0.98	≤ 1	

Safe

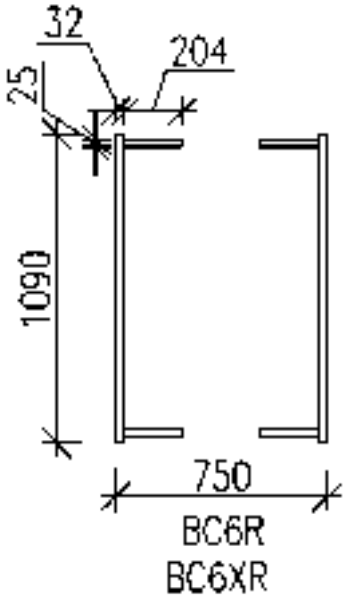
Combined check for shear & moment

$$\boldsymbol{\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}}$$

$= 150 \leq 225$

Hence Safe.

NAME: BOTTOM CHORD BC6 (T2)



ACTUAL SECTION

	MEMBER	=	BC6R(T2)	
	yield stress of the material (fy)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	3690	kNm
	Shear Force(F_y)	=	1810	kN
	Axial force(P)	=	1710	kN
2	length of the member	=	4850	mm
	Effective length(0.85L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	32	mm
3	**Section properties**			
	Area of section(A)	=	901.6	cm^2
	Moment of Inertia (I_{xx})	=	1216200	cm^4

	moment of inertia (I_{yy})	=	1025230	cm^4	
	Centroidal distance(y)	=	54.5	cm	
	Section modulus(Z_{xx})	=	22315.6	cm^3	
	Section modulus(Z_{yy})	=	18811.56	cm^3	
	Radius of Gyration (r_x)	=	36.72785	cm	
	Radius of Gyration (r_y)	=	33.721253	Cm	
	Shear Area	=	697.6	Cm^2	
4	slenderness ratio(ʎ)-(l/r_{xx})	=	11.22		
	(I/r_{yy})	=	12.22		
5	Axial stress($\sigma_{ac.cal}$)	=	18.966282	N/mm^2	
	Actual bending stress($\sigma_{bc.cal}$)	=	165.3552	N/mm^2	
	permissible axial stress (σ_{ac})	=	150	N/mm^2	IS800-1984 Table 5.1
	permissible bending stress (σ_{bc})-0.66fy	=	165	N/mm^2	Cl : 6.2 , IS 800 :1987
	($\sigma_{ac.cal}/\sigma_{ac}$)+($\sigma_{bc.cal}/\sigma_{bc}$)	=	1.13	≥ 1	

Unsafe

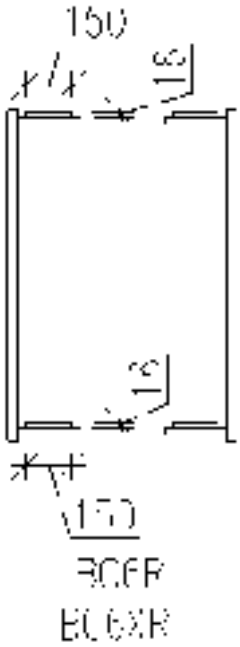
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$$= 171 \leq 225$$

Hence Safe.

Actual provided section is Unsafe so this section need to be modified.



MODIFIED SECTION

	MEMBER	=	BC6R(T2)	
	yield stress of the material (fy)	=	250	N/mm2
	Maximum forces in the			
1	**section**			
	Maximum moment (Mx)	=	3890	kNm
	Shear Force(Fy)	=	1840	kN
	Axial force(P)	=	1750	kN
2	length of the member	=	4850	mm
	Effective length(0.85*L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	32	mm
3	**Section properties**			
	Area of section(A)	=	997.6	cm^2
	Moment of Inertia (Ixx)	=	1.46E+06	cm^4
	moment of inertia (Iyy)	=	1.08E+06	cm^4

	Centroidal distance(y)	=	54.5	cm	
	Section modulus(Zxx)	=	26859.45	cm^3	
	Section modulus(Zyy)	=	19867.706	cm^3	
	Radius of Gyration (rx)	=	38.31	cm	
	Radius of Gyration (r_y)	=	32.95	Cm	
	Shear Area	=	697.6	Cm^2	
4	slenderness ratio(ʎ)-(l/rxx)	=	10.76		
	(I/ryy)	=	12.51		
5	Axial stress(σac.cal)	=	17.54	N/mm2	(P/A)
	Actual bending stress(σbc.cal)	=	144.46	N/mm2	(M/Zxx)
	IS800-1984 Table5.1 & cl.6.2 permissible axial stress (σac)	=	150	N/mm2	
	permissible bending stress (σbc)	=	165	N/mm2	
	(σac.cal/σac)+(σbc.cal/σbc)	=	0.99	≤ 1	

Safe

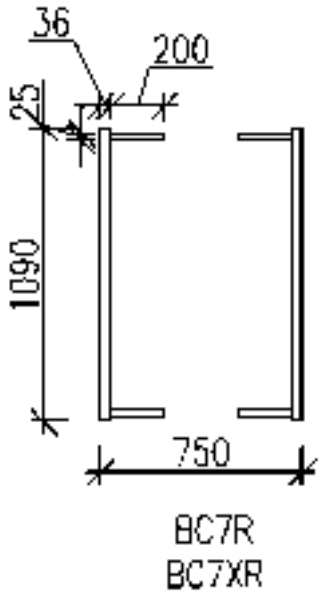
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 152 \leq 225$

Hence Safe.

NAME: BOTTOM CHORD BC7 (T2)



ACTUAL SECTION

	MEMBER	=	BC7R(T2)	
	yield stress of the material (f_y)	=	250	N/mm^2
1	**Maximum forces in the section**			
	Maximum moment (M_x)	=	3790	kNm
	Shear Force(F_y)	=	1730	kN
	Axial force(P)	=	1750	kN
2	length of the member	=	4850	mm
	Effective length (0.85L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	36	mm
3	**Section properties**			
	Area of section(A)	=	984.8	cm^2
	Moment of Inertia (I_{xx})	=	1292230	cm^4
	moment of inertia (I_{yy})	=	1219800	cm^4
	Centroidal distance(y)	=	54.5	cm

	Section modulus(Z_{xx})	=	23710.64	cm^3	
	Section modulus(Z_{yy})	=	22381.65	cm^3	
	Radius of Gyration (r_x)	=	36.22396	cm	
	Radius of Gyration (r_y)	=	33.753479	Cm	
	Shear Area	=	784.8	Cm^2	
4	slenderness ratio(ʎ)-(l/r_{xx})	=	11.380		
	(I/r_{yy})	=	12.213		
5	Axial stress($\sigma_{ac.cal}$)	=	17.770106	N/mm^2	
	Actual bending stress($\sigma_{bc.cal}$)	=	159.84384	N/mm^2	
	permissible axial stress (σ_{ac})	=	150	N/mm^2	IS800-1984 Table 5.1
	permissible bending stress (σ_{bc})-0.66fy	=	165	N/mm^2	(cl : 6.2 , IS 800 :1987)
	($\sigma_{ac.cal}/\sigma_{ac}$)+($\sigma_{bc.cal}/\sigma_{bc}$)	=	1.09	≥ 1	

Unsafe

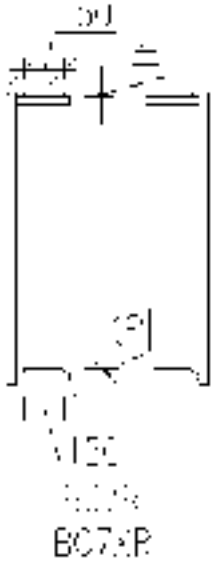
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$$= 164 \leq 225$$

Hence Safe.

Actual provided section is Unsafe so this section need to be modified.



MODIFIED SECTION

	MEMBER	=	BC7R(T2)	
	yield stress of the material (fy)	=	250	N/mm2
1	**Maximum forces in the section**			
	Maximum moment (Mx)	=	3990	kNm
	Shear Force(Fy)	=	1760	kN
	Axial force(P)	=	1790	kN
2	length of the member	=	4850	mm
	Effective length(0.85*L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	36	mm
3	**Section properties**			
	Area of section(A)	=	1080.8	cm^2
	Moment of Inertia (Ixx)	=	1.54E+06	cm^4
	moment of inertia (Iyy)	=	1.18E+06	cm^4
	Centroidal distance(y)	=	54.5	cm
	Section modulus(Zxx)	=	28254.679	cm^3
	Section modulus(Zyy)	=	21625.872	cm^3
	Radius of Gyration (rx)	=	37.75	cm

	Radius of Gyration (r_y)	=	33.02	Cm	
	Shear Area	=	784.8	Cm^2	
4	slenderness ratio(ʎ)-(l/rxx)	=	10.92		
	(I/ryy)	=	12.48		
5	Axial stress(σac.cal)	=	16.56	N/mm2	(P/A)
	Actual bending stress(σbc.cal)	=	141.22	N/mm2	(M/Zxx)
	IS800-1984 Table5.1 & cl.6.2				
	permissible axial stress (σac)	=	150	N/mm2	
	permissible bending stress (σbc)	=	165	N/mm2	
	(σac.cal/σac)+(σbc.cal/σbc)	=	0.97	≤ 1	

Safe

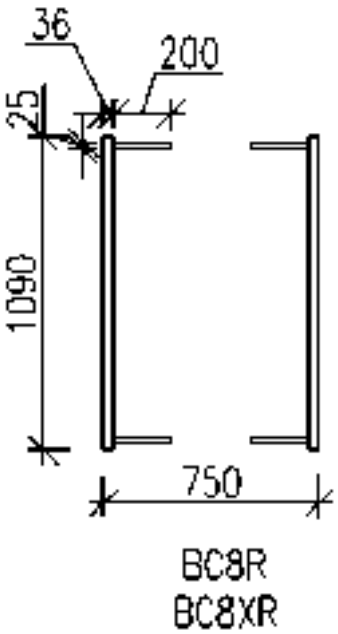
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 147 \leq 225$

Hence Safe.

NAME: BOTTOM CHORD BC8 (T2)



ACTUAL SECTION

	MEMBER	=	BC8R(T2)	
	yield stress of the material (f_y)	=	250	N/mm^2
	Maximum forces in the			
1	**section**			
	Maximum moment (M_x)	=	3640	kNm
	Shear Force(F_y)	=	1670	kN
	Axial force(P)	=	1790	kN
2	length of the member	=	4850	mm
	Effective length (0.85L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	36	mm

3 **Section properties**

Area of section(A)	=	984.8	cm^2	
Moment of Inertia (I_{xx})	=	1292230	cm^4	
moment of inertia (I_{yy})	=	1219800	cm^4	
Centroidal distance(y)	=	54.5	cm	
Section modulus(Z_{xx})	=	23710.64	cm^3	
Section modulus(Z_{yy})	=	22381.65	cm^3	
Radius of Gyration (r_x)	=	36.22396	cm	
Radius of Gyration (r_y)	=	33.753479	Cm	
Shear Area	=	784.8	Cm^2	

4 slenderness ratio(λ)-(l/r_{xx}) = 11.380

(I/r_{yy}) = 12.213

5 Axial stress($\sigma_{ac.cal}$)	=	18.176279	N/mm^2	
Actual bending stress($\sigma_{bc.cal}$)	=	153.51756	N/mm^2	
permissible axial stress (σ_{ac})	=	150	N/mm^2	IS800-1984 Table 5.1
permissible bending stress (σ_{bc})-0.66fy	=	165	N/mm^2	(cl : 6.2 , IS 800 :1987)
($\sigma_{ac.cal}/\sigma_{ac}$)+($\sigma_{bc.cal}/\sigma_{bc}$)	=	1.05	≥ 1	

Unsafe

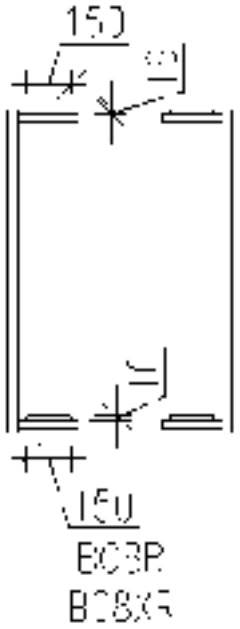
Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 158 \leq 225$

Hence Safe.

Actual provided section is Unsafe so this section need to be modified.



MODIFIED SECTION

	MEMBER	=	BC8R(T2)	
	yield stress of the material (fy)	=	250	N/mm2
	Maximum forces in the			
1	**section**			
	Maximum moment (Mx)	=	3840	kNm
	Shear Force(Fy)	=	1700	Kn
	Axial force(P)	=	1820	kN
2	length of the member	=	4850	mm
	Effective length(0.85*L)	=	4122.5	mm
	Over all depth(D)	=	1090	mm
	Breadth(b)	=	750	mm
	web thickness	=	36	mm
3	**Section properties**			
	Area of section(A)	=	1080.8	cm^2
	Moment of Inertia (Ixx)	=	1.54E+06	cm^4
	moment of inertia (Iyy)	=	1.18E+06	cm^4

	Centroidal distance(y)	=	54.5	cm	
	Section modulus(Zxx)	=	28254.679	cm^3	
	Section modulus(Zyy)	=	21625.872	cm^3	
	Radius of Gyration (rx)	=	37.75	cm	
	Radius of Gyration (r_y)	=	33.02	Cm	
	Shear Area	=	784.8	Cm^2	
4	slenderness ratio(ʎ)-(l/rxx)	=	10.92		
	(I/ryy)	=	12.48		
5	Axial stress(σac.cal)	=	16.84	N/mm2	(P/A)
	Actual bending stress(σbc.cal)	=	135.91	N/mm2	(M/Zxx)
IS800-1984 Table 5.1 (cl : 6.2 , IS 800 :1987)	permissible axial stress (σac)	=	150	N/mm2	
	permissible bending stress (σbc)	=	165	N/mm2	
	(σac.cal/σac)+(σbc.cal/σbc)	=	0.94	≤ 1	

Safe

Combined check for shear & moment

$$\sigma_{e,cal} = \sqrt{(\sigma_{bt^2,Cal} + 3\tau_{vm^2,Cal})}$$

$= 141 \leq 225$

Hence Safe.

ANNEXURE-III

DESIGN OF TEMPROARY FOOTING - RETROFITTING OF BRIDGE ACROSS FEEDER CANAL.

The existing truss T3 is supported in two piers in opposite sides.

A new support will be provided directly below the joint no 5.

LOAD DETAILS:

As per the current support condition, the maximum reaction at joint 5 is 1370 kN.

However, considering the transfer of loads during the removal of joints, 25% of total dead weight of bridge truss is considered for the design.

Total self-weight of bridge	=	9000 kN
Load transferred to one side	=	4500 kN
Load transferred to each joint	=	2250 kN
Add 25% for added plates etc	=	2815 kN
Add 20% for impact	=	3378 kN

PILE CAPACITY:

As per the pile load test, the capacity of 1500 ϕ pile is	=	600 T.
Actual load coming to pile is	=	337.8 T.

Pile capacity of 1200 mm dia pile:

Diameter of test pile.	=	1.5 m
Length of test pile.	=	34.15 m
Skin area of test pile.	=	160.85 SQM.

As per pile load test

Total load applied.	=	916 T

Assuming a factor of safety 1.5

Load capacity of pile = 612 T says 600 T.

Load capacity per SQM of area = 600/160.85

= 3.73 T/ SQM

Length of 1200 mm dia pile = 36 m

Skin area of 1200 mm Dia pile = 135.65 sqm

Based on skin friction area load taken by 1200 mm dia pile is

= 135.65*3.73

= 505.97 T

Say 506 T.

Load coming on pile = 337.8 T< 506 T Therefore safe

DESIGN OF PILE:

Diameter of pile = 1200 mm

Assume clear cover = 75 mm

Assume reinforcement bar diameter = 20 mm

Grade of concrete = M30

Grade of steel = Fe 415

Load coming to pile = 3378 kN

Structural capacity of pile($P_{u)}$ = $0.4\ f_{ck}\ A_c+0.67 f_y\ A_{sc}$

Assuming minimum reinforcement;

p_t = 0.4% (For piles)

A_c = $3.14x1200^2/4$

= $1130973\ mm^2$

→ A_{sc} = (0.4/100) x1130973

= 4524 mm^2

→ P_u = 14830 kN > 3378 kN Therefore safe.

Number of 25 mm dia bars requires = 4524/314

= 14.4 nos

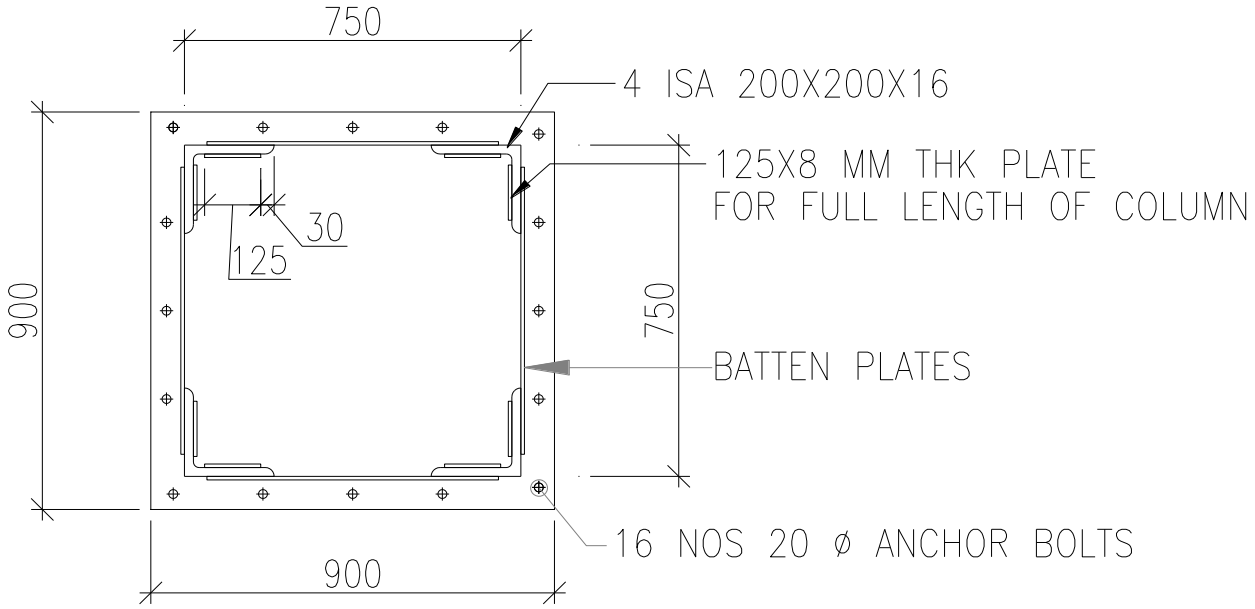
Therefore provide 16 nos 20 mm dia bars.

ANNEXURE-IV

STEEL COLUMN TO SUPPORT TRUSS T3 DURING RETROFITTING

Solution:

Load coming on steel column = 3378 kN
Length of steel column = 10.63 m
Section provided as column = 4 ISA 200x200x16 + 8 nos 125x8 mm plates



PLAN AT BASE PLATE LEVEL

I_{xx} of single angle = 2370 x 10^4mm^4 = I_{yy}
(*Refer table 5.1 IS 808-1989*)

I_{xx} of horizontal plate = 125 x $8^3/12$
= 5333 mm^4

Ixx of vertical plate = 8 x $125^3/12$

= 1302083 mm^4

A_{angle} = 6180 mm^2

A_{plate} = 125x8

$= \quad 1000\ mm^2$

$A_{gross} = 4x6180+8x1000$

$= \quad 32720\ mm^2$

Moment of inertia of gross cross section,

$I_{xx} = I_{yy} = 4(I_{ang}+A_{ang}\times h^2+I_{pl.1}+A_{pl.1}\times h1^2+I_{pl.2}+A_{pl.2}\times h2^2)$

$I_g = 4(2370 \times 10^4 + 6180 \times 319.4^2) + 4 (1302083 + 1000 \times 268^2) + 4 (5333 + 1000 \times 351^2)$

$= 4 (654.16 \times 10^6) + 4 (73.126 \times 10^6) + 4 (123.21 \times 10^6)$

$= 3.4 \times 10^9\ mm^2$

$\rightarrow I_{xx}=I_{yy} = 3.9 \times 10^4\ mm^4.$

Radius of gyration, $r_{xx} = r_{yy} = \sqrt{(I/A)}$

$= \sqrt{(3.4x10\text{^}9/32720)}$

$= 322\ mm.$

Along the length of canal, a bracing is being provided. Perpendicular to the length of canal, the lateral movement of the truss is restricted by means of braking system (which is already being used at site to control the movement of truss).
However, to be on the conservative side, An effective length of 2L is being considered.

$L_{eff} = 2L$

$= 2\times10630$

$= 21260\ mm$

$L_{eff} / r_{min} = 21260 /322$

$= 66$

$\rightarrow \sigma_{ac}$ = 118 N/mm^2 (*refer table 5.1 IS 800-1984*)

Axial capacity of column = $\sigma_{ac} \times A$

= 118×32720

= 3861 kN. > 3378 kN, Therefore safe.

ANNEXURE-V

SEQUENCE OF CONSTRUCTION - RETROFITTING OF BRIDGE:

1. Drive the Pile

2. Construct the steel column & construct the bracings

3. Tighten the braking system at top (The braking system to be connected preferably after the 5th joint). Also connect new locking system at the other end of the truss (next pier).

4. Place the jacks with load cell at place provided at top of steel column

5. Lift the jacks. The entire lifting process is by mean of load cell. When the load reaches 250 T stop lifting. Tie Plumbob at some marked flat surface. Wait for 24 hours and check for any deflection. If the load doesn't reduce the 225T and if the deflection is less than 25mm. The temporary structure is firm and strengthening operation can begin

6. Remove all bottom cross girders and other members connected to the joints JI- J4.

(All the cross girders at joints J-1 to J-4 should be made free from bolted connection with vertical gusset plates of bottom chords, verticals and bottom gusset plates and are to be kept supported on cc cribs)

7. Disconnect the Truss T3 from T2 by de-linking of all the link members.

8. Check for any deflection and do load check in the load cell.

9. Lift the truss at P2 end, so that the truss becomes straight.

10. Arrange the cribs so that joints 1, 2, BC1L/BC1XL, BC2L/BC2XL get full support.

11. Strengthen BC4L & BC4XL as given in the scheme, leave only 5mm gap between the gusset plate of J4 and the additional plate of BC4L.

12. Remove both joint at join No.4. Check for deflection and load at load cell.

13. Provide support to member BD2 & BD1 as given in the drawing.

14. Remove the Joint J3. Insert the already fabricated BC3L, BC3XL. Replace the gusset plate at joint J4. Weld the gusset plate to the additional plate of BC4L, BC4XL in addition to the bolting on the right side of that joint.

15. Simultaneously remove & replace BV3L, BV3XL. BV3L & BV3XL shall be welded to gusset plate at top & bottom. Also weld BD2 to gusset plate. Now BC4L & BC4XL strengthened BV3replaced, BC3L, BC3XL joined to J4.

16. Now remove & replace BV2. Weld BV2 at middle joint.

17. Place the newly fabricated gusset plate corresponding to joint J3. Weld BC3L, BC3XL, BV2, replace and weld new BD1 to the new gusset plate system at joint J3.

18. Now rearrange cribs to support J3, J4, BC3L, BC3XL, and BC4L &BC4XL.

19. Now remove joint J2.

20. Insert newly fabricated BC2L, BC2XL into joint J3 and place it in the required position. Also remove and replace failed BV1 with new BV1.

21. Replace the newly fabricated gusset plate at J2. Weld BC2L, BC2XL, and BV1 to the new gusset plate at J2.

22. Remove end raker.

23. Now remove Joint J1. Insert the newly fabricated BC1L, BC1XL into the gusset plate at joint J2. Position BC1L, BC1XL correctly. Now weld the member BC1L, BC1XL to the gusset plate of joint J2. Simultaneously weld top& bottom gusset plate.

24. Replace the newly fabricated gusset plate corresponding to joint J1. Weld the same with BC1L, BC1XL.

25. Weld the members BC1L and BC1XL to the new gusset plate at joint 1.

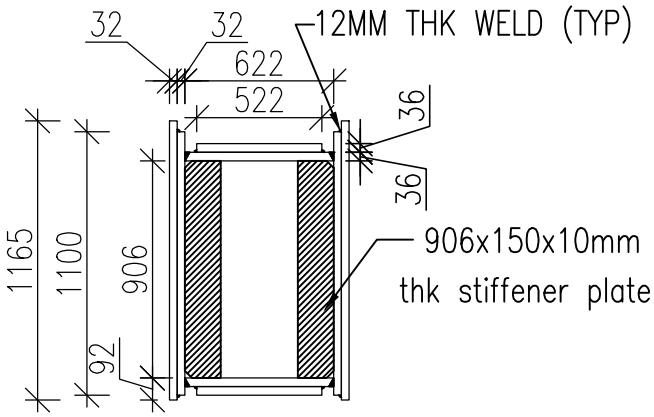
26. Remove ERC3-3A and replace it with the new member. Bolting to be done as per earlier specifications.

27. Similarly replace ERC2-2A.

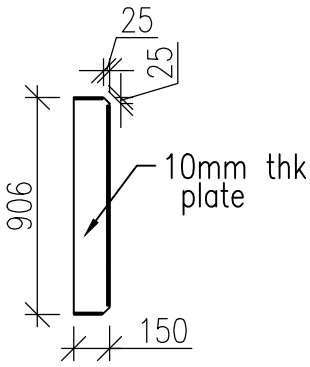
28. Now the truss T2 can be connected to T3 and the launching operation can begin.

STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN

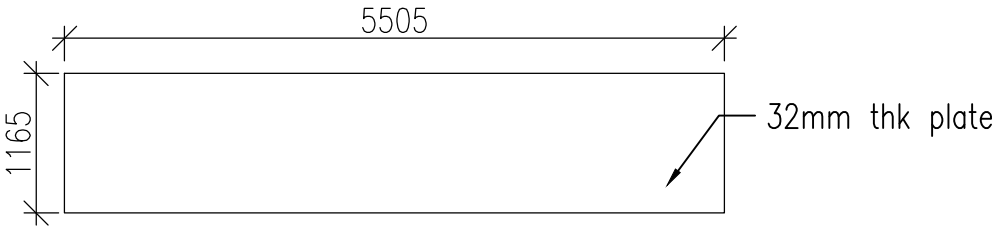
The members BC1, BC2 and BC3 have buckled. Hence, the total section has been replaced. The sections to be replaced are as follows.



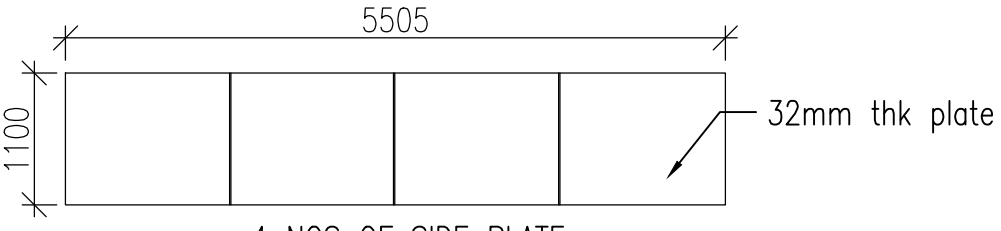
BC1L–BC1XL



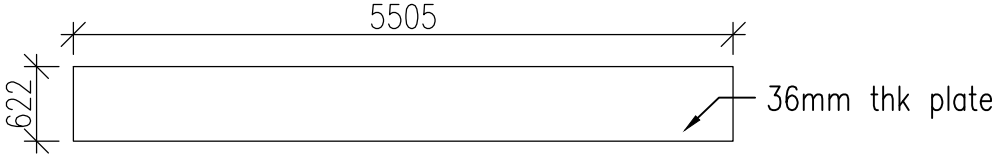
12 NOS OF STIFFENER PLATE EQUALLY SPACED



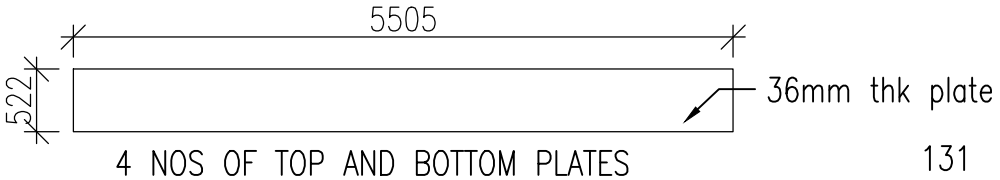
4 NOS OF SIDE PLATE



4 NOS OF SIDE PLATE



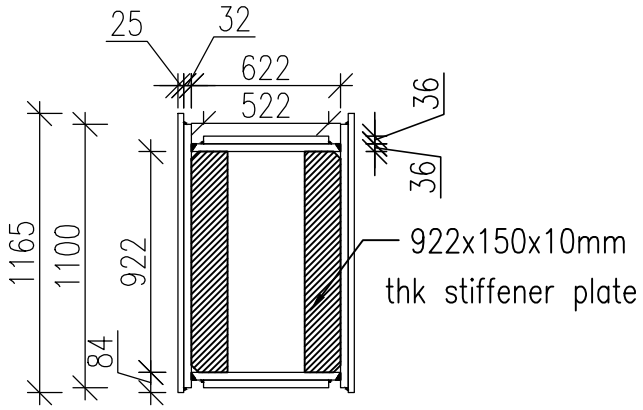
4 NOS OF TOP AND BOTTOM PLATES



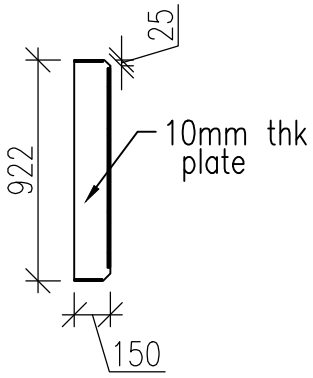
4 NOS OF TOP AND BOTTOM PLATES

131

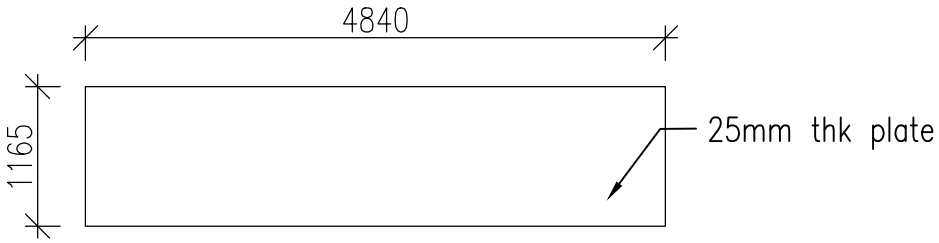
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN



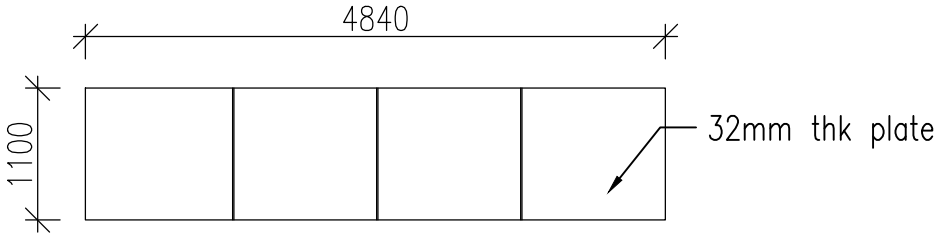
BC2L–BC2XL



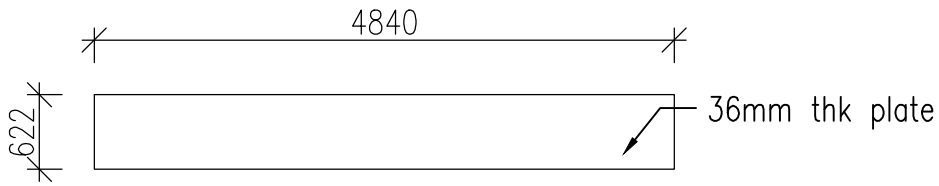
12 NOS OF STIFFENER PLATE
EQUALLY SPACED



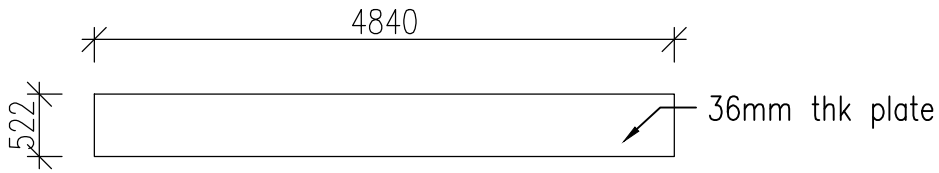
4 NOS OF SIDE PLATE



4 NOS OF SIDE PLATE



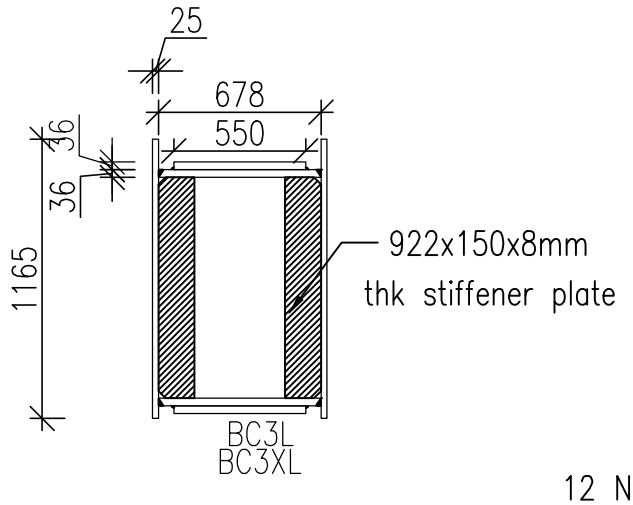
4 NOS OF TOP AND BOTTOM PLATES

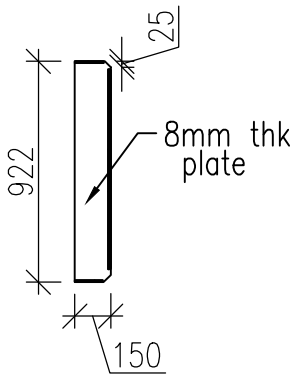


4 NOS OF TOP AND BOTTOM PLATES

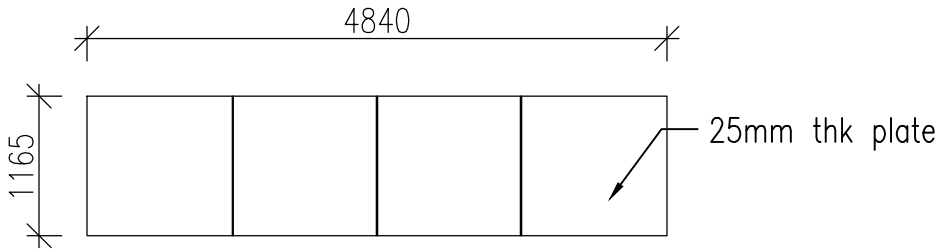
132

STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN

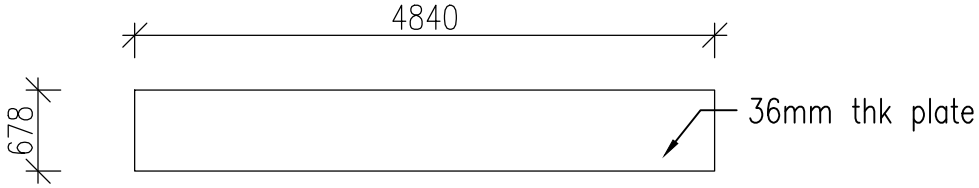




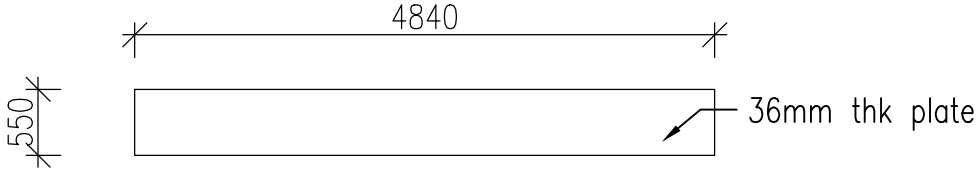
12 NOS OF STIFFENER PLATE EQUALLY SPACED



4 NOS OF SIDE PLATE



4 NOS OF TOP AND BOTTOM PLATE



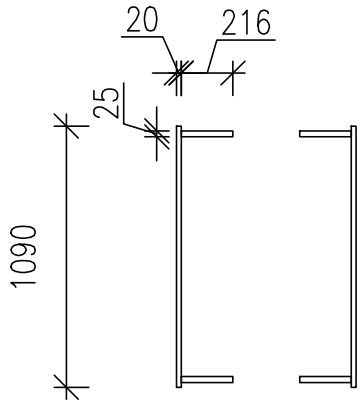
4 NOS OF TOP AND BOTTOM PLATE

133

STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN

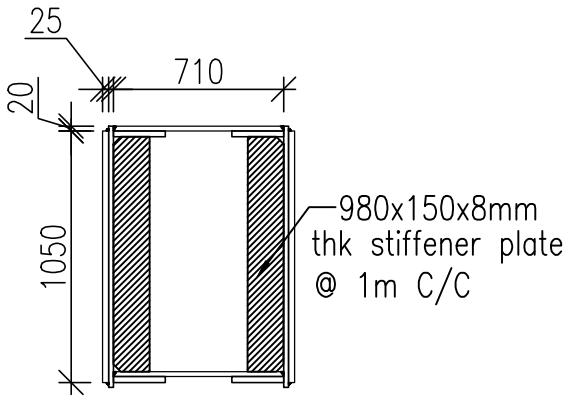
The member BC4 fail at both conditions (i.e.) when the support is at mid span of the member and when the support is at the joint. The retrofitting scheme–1 is to be adopted at joints J3 and J4

EXISTING SECTION

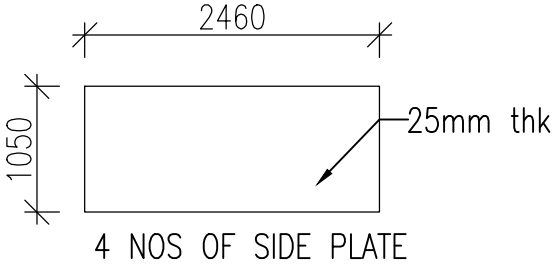


BC4L
BC4XL

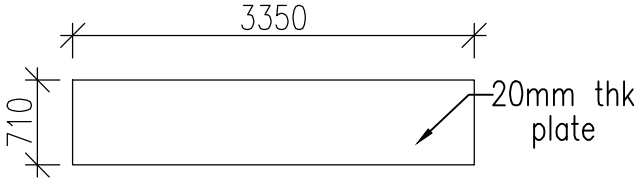
MODIFIED SECTION



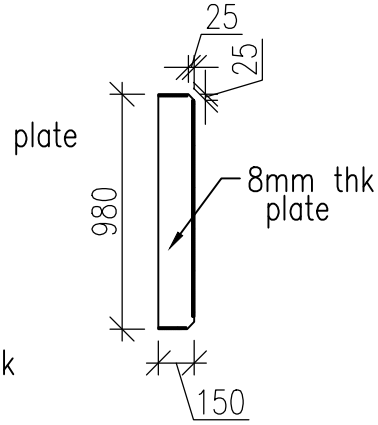
BC4L
BC4XL



4 NOS OF SIDE PLATE



4 NOS OF TOP AND BOTTOM PLATES



12 NOS OF STIFFENER PLATE
980 X 150 X 8 mm

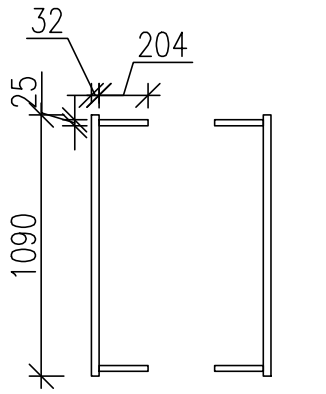
NOTE: TOP BATTEN PLATES SHOULD BE REMOVED TO FACILITATE FIXING OF TOP AND BOTTOM PLATES AND DIPRAGM SHOULD BE WELDED

134

STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN

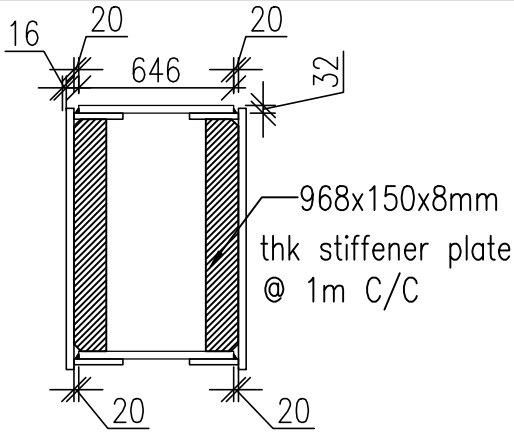
The members BC5,BC6 and BC7 fail only when the support is at mid span of the member. The retrofitting scheme–2 is to be adopted for the remaining BC members.

EXISTING SECTION



BC5L & BC6L
BC5XL & BC6XL

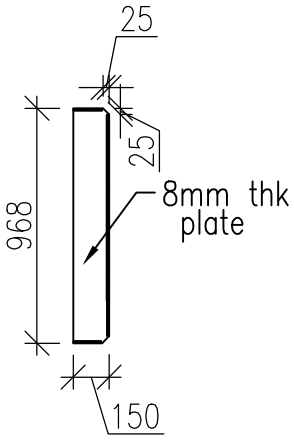
MODIFIED SECTION



BC5L & BC6L
BC5XL & BC6XL



8 NOS OF TOP & BOTTOM PLATE



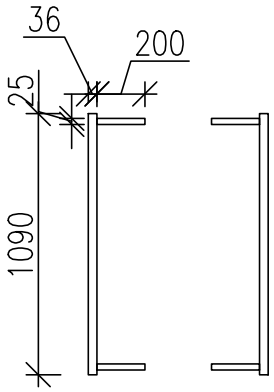
24 NOS OF STIFFENER PLATE
980 X 150 X 8 mm

NOTE: TOP BATTEN PLATES SHOULD BE REMOVED TO FACILITATE FIXING OF TOP AND BOTTOM PLATES AND DIPRAGM SHOULD BE WELDED

135

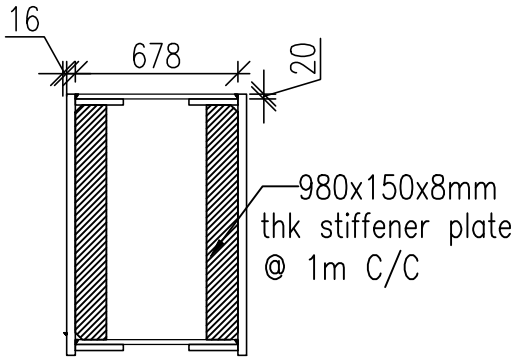
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN

EXISTING SECTION

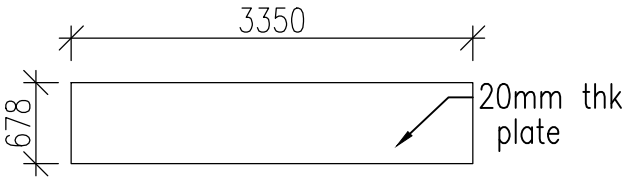


BC7L
BC7XL

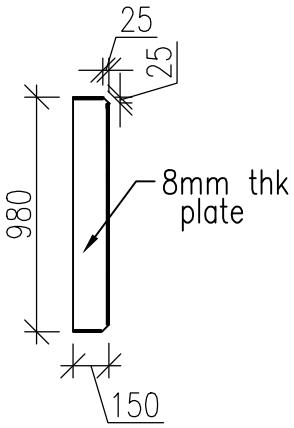
MODIFIED SECTION



BC7L
BC7XL



4 NOS OF TOP & BOTTOM PLATES



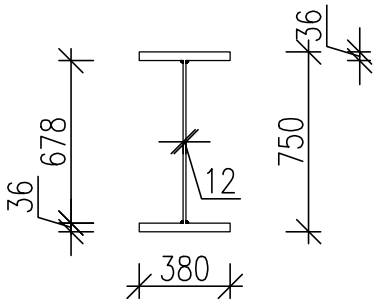
12 NOS OF STIFFENER PLATE
=980 X 150 X 8 mm

NOTE: TOP BATTEN PLATES SHOULD BE REMOVED TO FACILITATE FIXING OF TOP AND BOTTOM PLATES AND DIPRAGM SHOULD BE WELDED

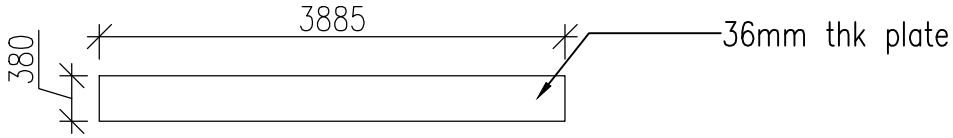
136

STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN

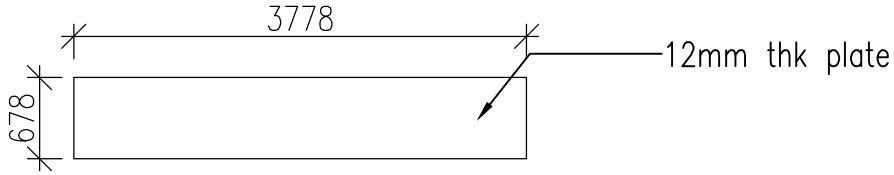
The members BV1, BV2 and BV3 have buckled. Hence, the total section has been replaced. The sections to be replaced are as follows.



BV1L
BV1XL



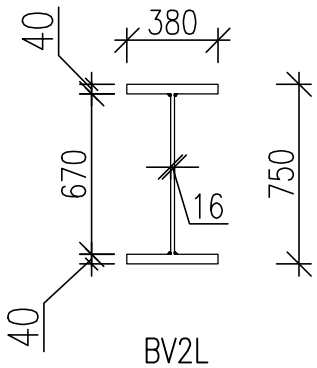
4 NOS OF FLANGE PLATE



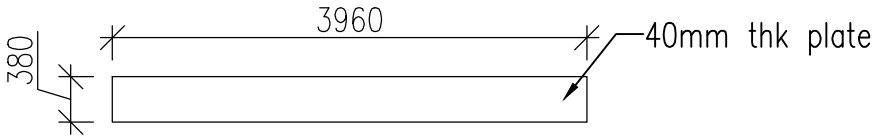
2 NOS OF WEB PLATE

137

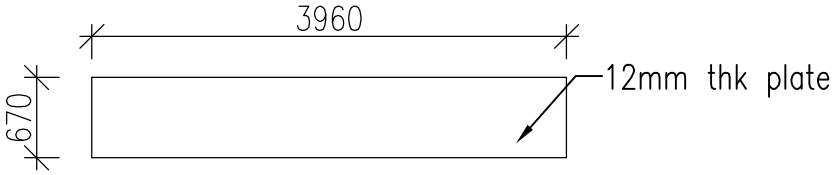
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN



BV2L
BV2XL



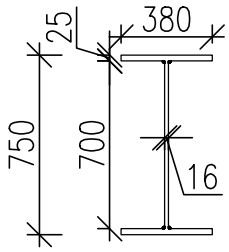
4 NOS OF FLANGE PLATE



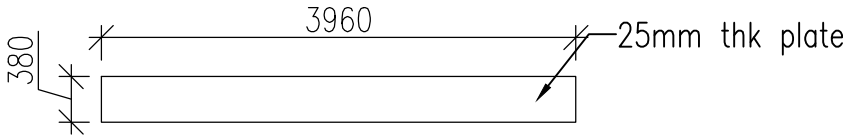
2 NOS OF WEB PLATE

138

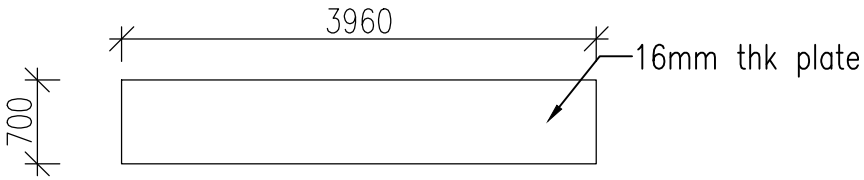
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN



BV3L&BV3XL



4 NOS OF FLANGE PLATE

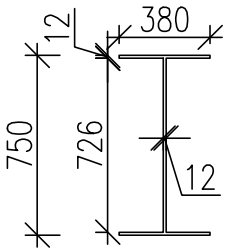


2 NOS OF WEB PLATE

139

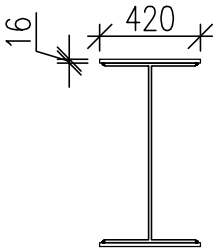
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN

EXISTING SECTION

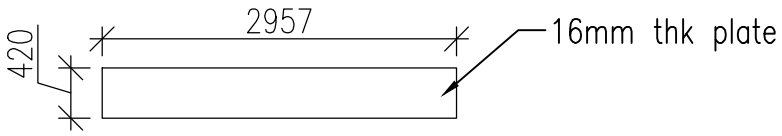


BV4L&BV4XL

MODIFIED SECTION



BV4L&BV4XL

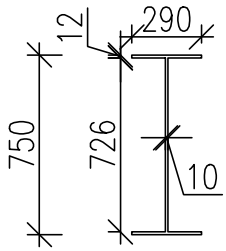


4 NOS OF FLANGE PLATE

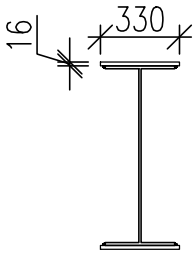
140

STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN

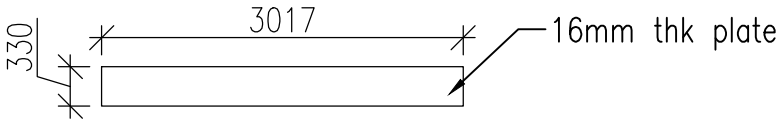
EXISTING SECTION	MODIFIED SECTION



BV5L



BV5L & BV5XL

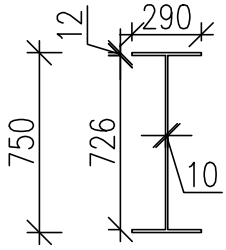


4 NOS OF FLANGE PLATE

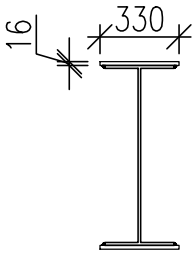
(ADDITIONAL PLATE FROM BJ TO MJ JOINTS)

STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN

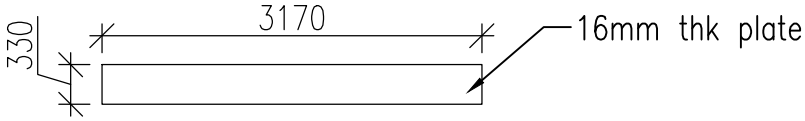
EXISTING SECTION	MODIFIED SECTION



BV6L



BV6L & BV6XL



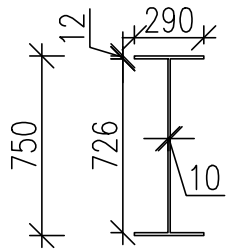
4 NOS OF FLANGE PLATE

(ADDITIONAL PLATE FROM BJ TO MJ JOINTS)

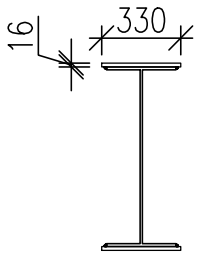
142

STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN

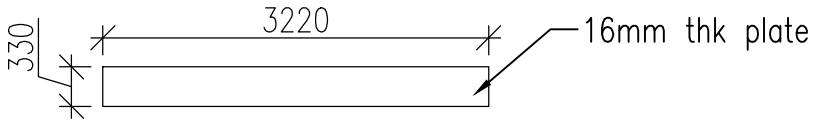
EXISTING SECTION	MODIFIED SECTION



BV7L



BV7L & BV7XL

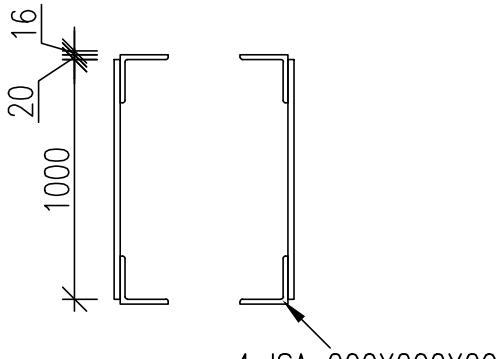


4 NOS OF FLANGE PLATE
(ADDITIONAL PLATE FROM BJ TO MJ JOINTS)

143

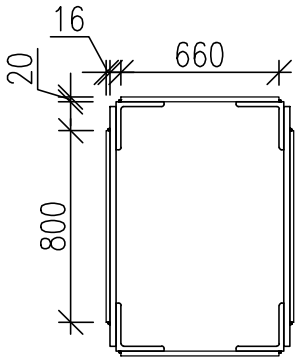
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN

EXISTING SECTION

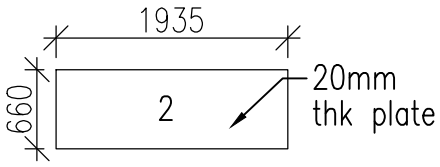


ERC–2 2A

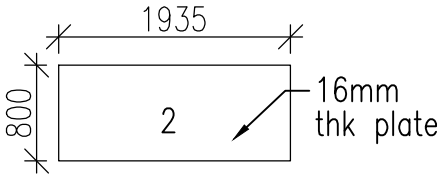
MODIFIED SECTION



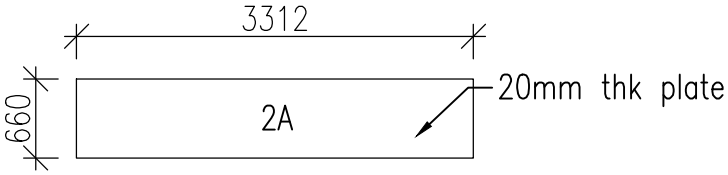
ERC–2 2A



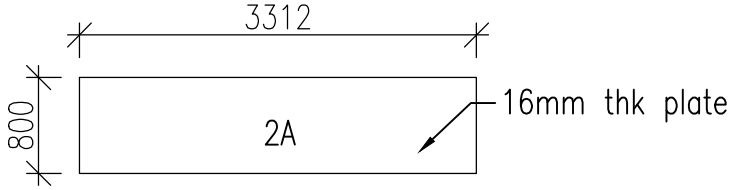
8 NOS OF TOP AND BOTTOM PLATE



8 NOS OF SIDE PLATE



8 NOS OF TOP AND BOTTOM PLATE

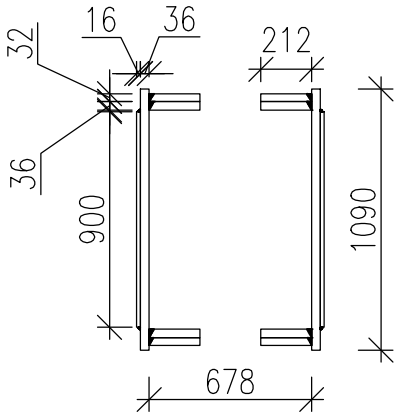


8 NOS OF SIDE PLATE

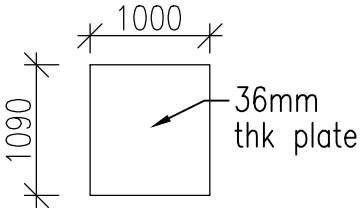
144

STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN

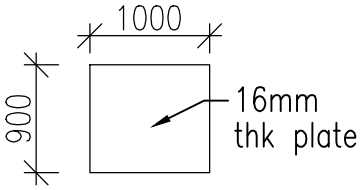
The members ERC33A have buckled. Hence the total section has been replaced.



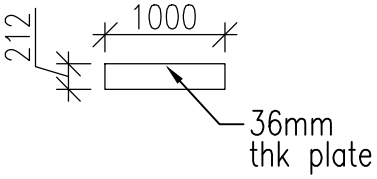
ERC 3 3A



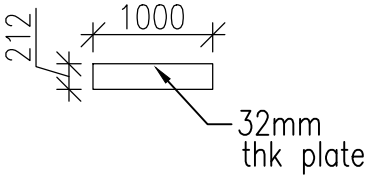
4 NOS OF SIDE PLATE



4 NOS OF SIDE PLATE



8 NOS OF TOP AND BOTTOM PLATE

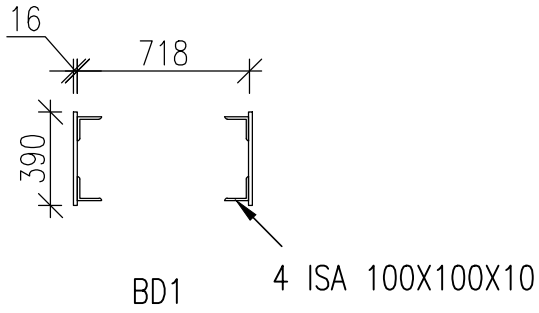


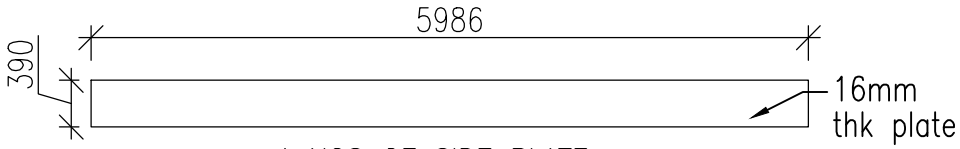
8 NOS OF TOP AND BOTTOM PLATE

145

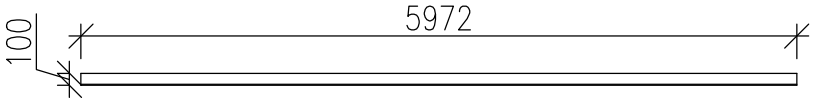
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN

The member BD1 have buckled. Hence the total section has been replaced.

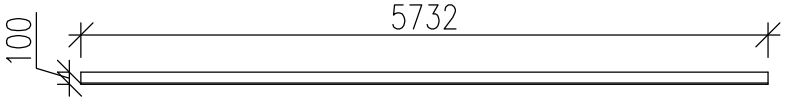




4 NOS OF SIDE PLATE



4 NOS OF ANGLES

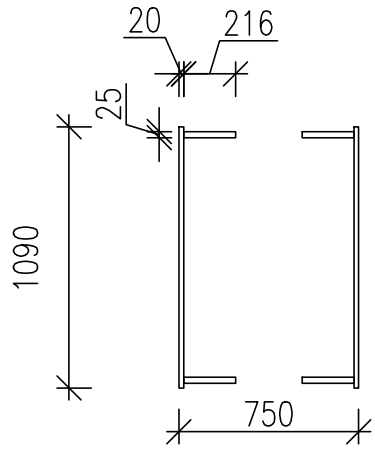


4 NOS OF ANGLES

146

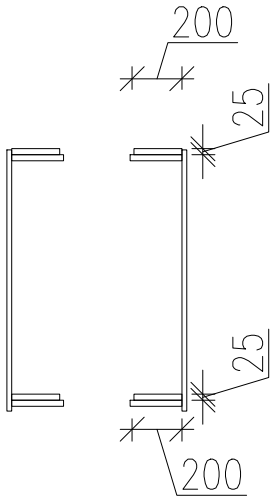
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN (T2)

EXISTING SECTION



BC1R
BC1XR

MODIFIED SECTION



BC1R
BC1XR

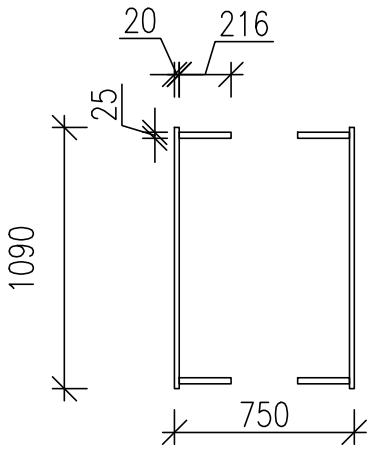


8 NOS OF TOP & BOTTOM PLATE

147

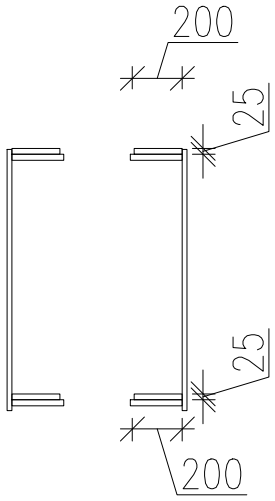
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN (T2)

EXISTING SECTION

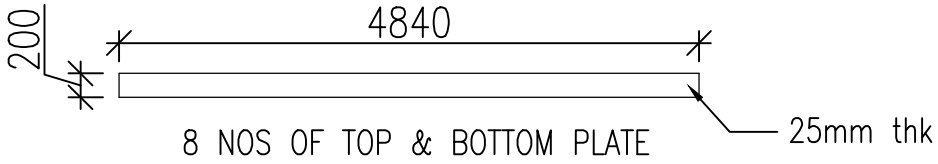


BC2R
BC2XR

MODIFIED SECTION



BC2R
BC2XR

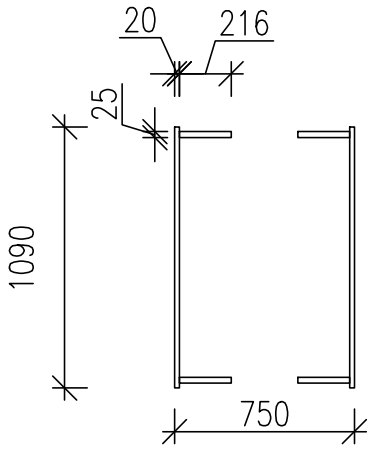


8 NOS OF TOP & BOTTOM PLATE

148

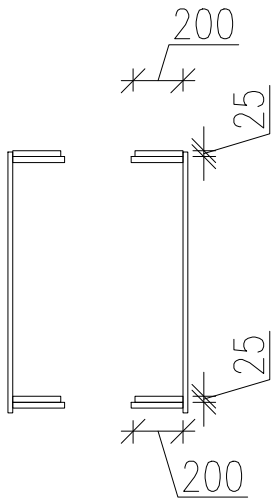
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN (T2)

EXISTING SECTION



BC3R
BC3XR

MODIFIED SECTION



BC3R
BC3XR

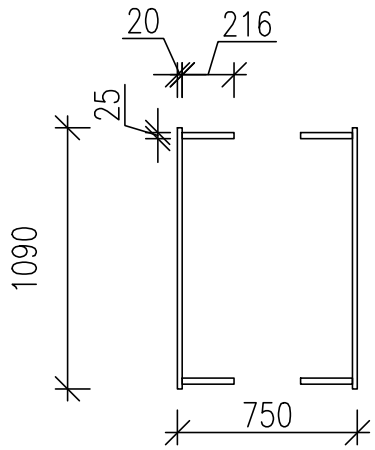


8 NOS OF TOP & BOTTOM PLATE

149

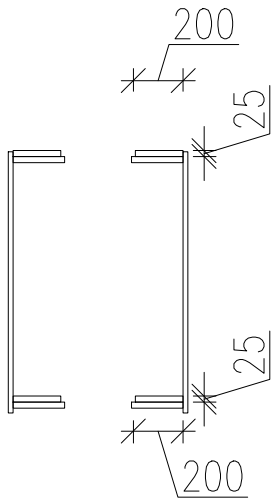
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN (T2)

EXISTING SECTION

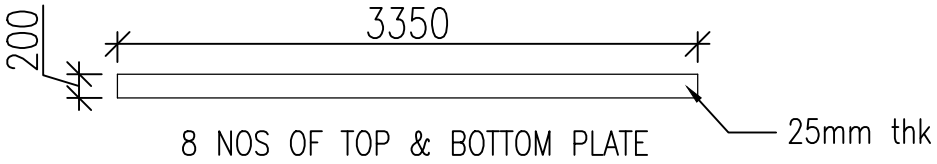


BC4R
BC4XR

MODIFIED SECTION



BC4R
BC4XR

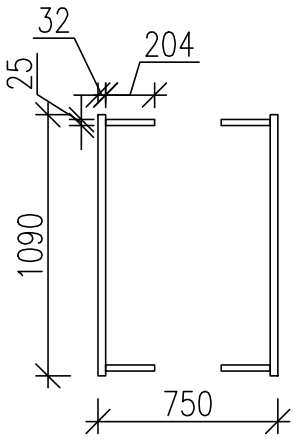


8 NOS OF TOP & BOTTOM PLATE

150

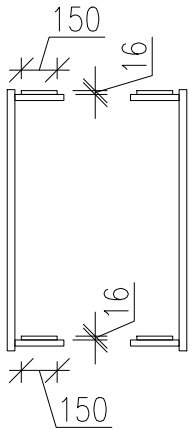
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN (T2)

EXISTING SECTION

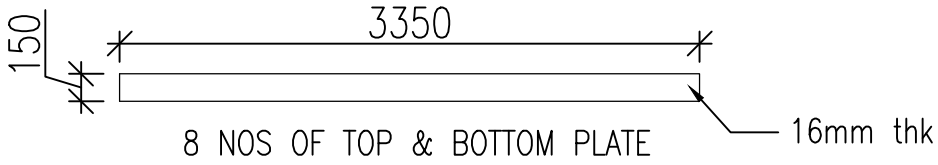


BC5R
BC5XR

MODIFIED SECTION



BC5R
BC5XR

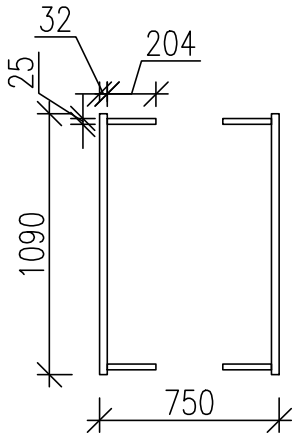


8 NOS OF TOP & BOTTOM PLATE

151

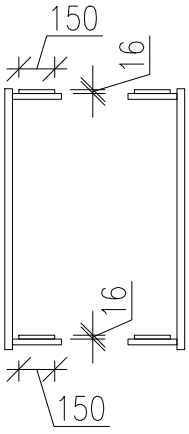
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN (T2)

EXISTING SECTION

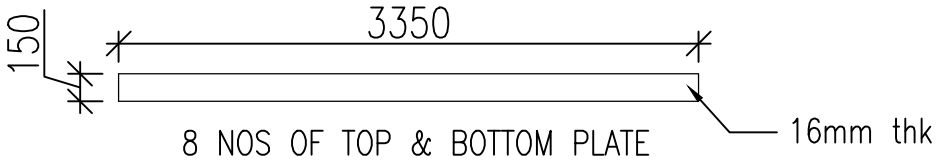


BC6R
BC6XR

MODIFIED SECTION



BC6R
BC6XR

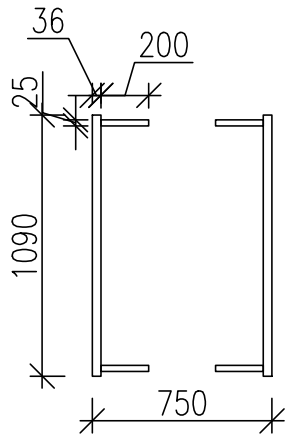


8 NOS OF TOP & BOTTOM PLATE

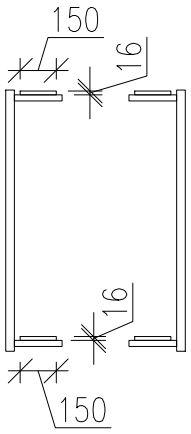
152

STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN (T2)

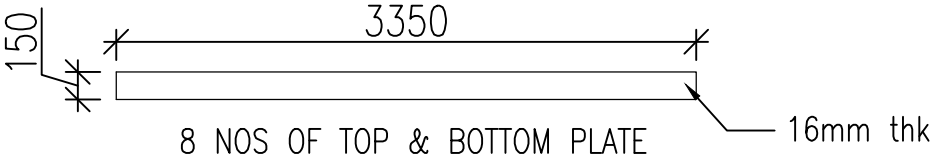
EXISTING SECTION	MODIFIED SECTION



BC7R
BC7XR



BC7R
BC7XR

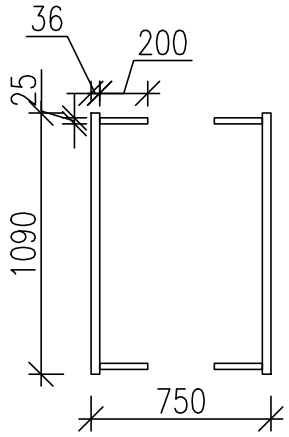


8 NOS OF TOP & BOTTOM PLATE

153

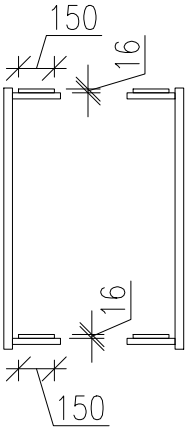
STRENGTHENING OF MEMBERS IN THE LAUNCHING SPAN (T2)

EXISTING SECTION

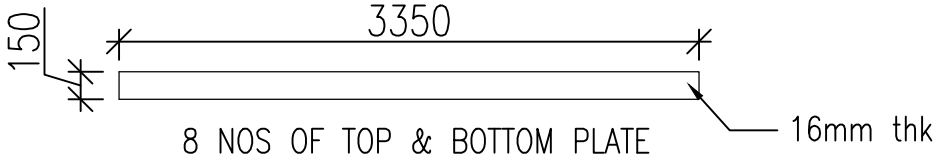


BC8R
BC8XR

MODIFIED SECTION



BC8R
BC8XR

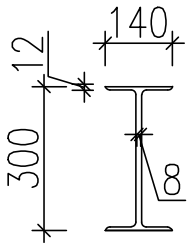


8 NOS OF TOP & BOTTOM PLATE

154

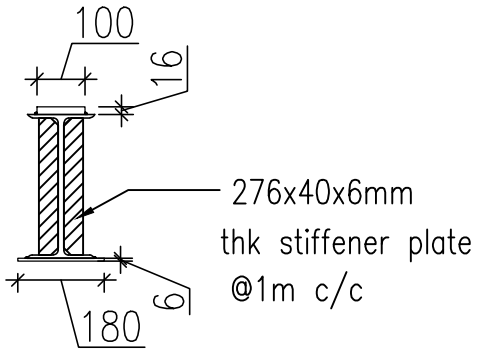
STRENGTHENING OF MEMBERS IN ALL SPAN (T1,T2 AND T3)

EXISTING SECTION



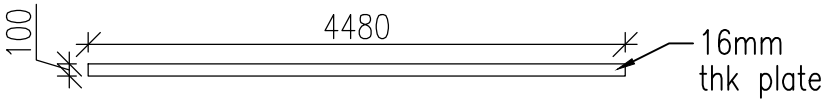
STR4/1L/1XL
STR5/1L/1XL

MODIFIED SECTION

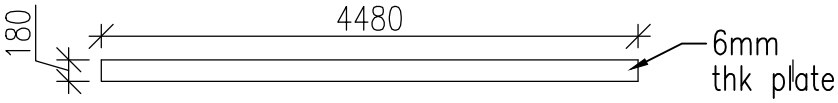


STR4/1L/1XL
STR5/1L/1XL

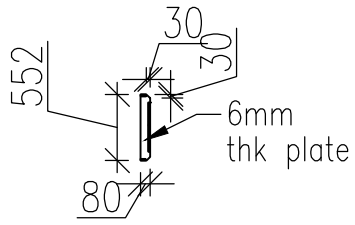
SHOULD MAKE HOLES OF 32 DIA FOR SHEAR BOLT HEAD IN TOP PLATE



192 NOS OF TOP PLATE = 4480X100X8 mm



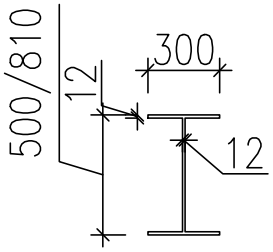
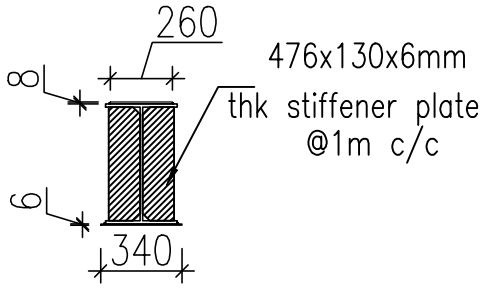
192 NOS OF BOTTOM PLATE

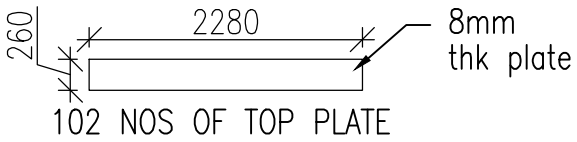


1536 NOS OF STIFFNER PLATE

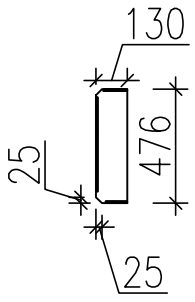
155

STRENGTHENING OF MEMBERS IN ALL SPAN (T1,T2 AND T3)

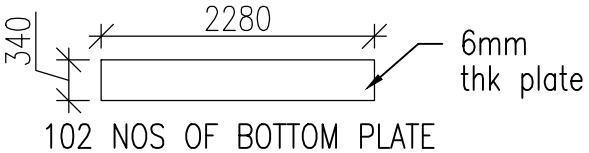
EXISTING SECTION	MODIFIED SECTION
	
OCGE(L/R) OCG1(L/R) TO OCG7(L/R) OCG8(L/R)	OCGE(L/R) OCG1(L/R) TO OCG7(L/R) OCG8(L/R)



102 NOS OF TOP PLATE



408 NOS OF STIFFENER PLATE

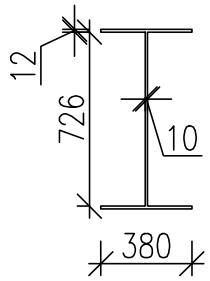


102 NOS OF BOTTOM PLATE

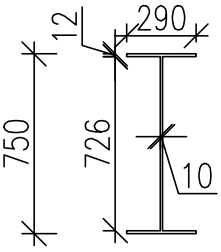
156

STRENGTHENING OF MEMBERS IN ALL SPAN (T1,T2 AND T3)

EXISTING SECTION

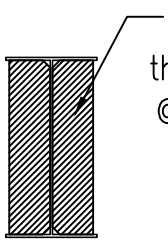


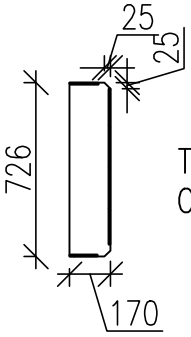
BV1To BV4



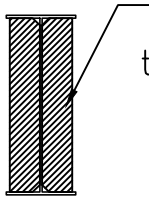
BV5 TO BV8

MODIFIED SECTION

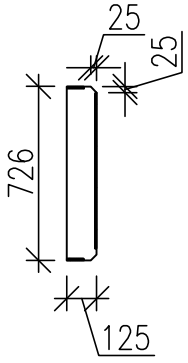




TOTAL = 288 NOS
OF STIFFENER PLATE



BV5 TO BV8

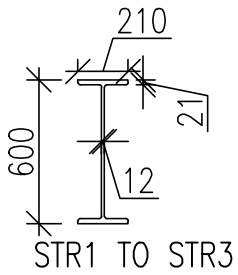


TOTAL = 312 NOS
OF STIFFENER PLATE

157

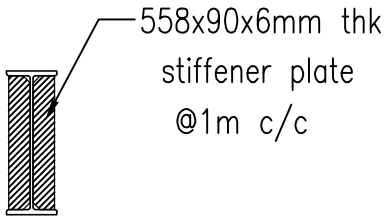
STRENGTHENING OF MEMBERS IN ALL SPAN (T1,T2 AND T3)

EXISTING SECTION

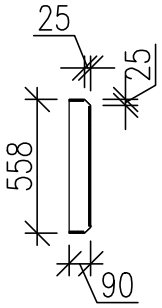


STR1 TO STR3

MODIFIED SECTION



STR1 TO STR3

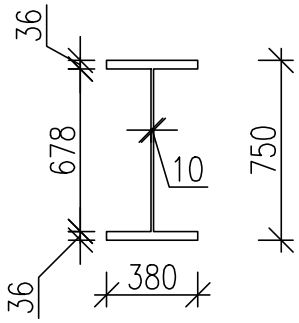


TOTAL = 1920 NOS
OF STIFFENER PLATE

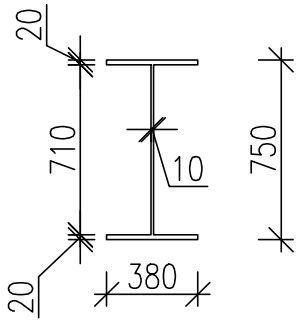
158

STRENGTHENING OF MEMBERS IN ALL SPAN (T1,T2 AND T3)

EXISTING SECTION

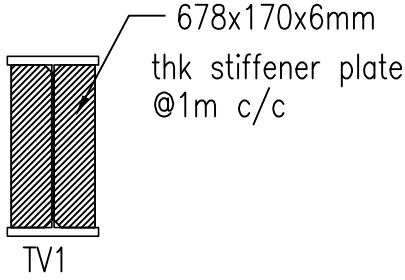


TV1

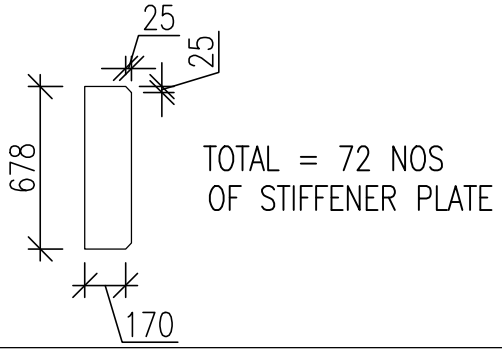


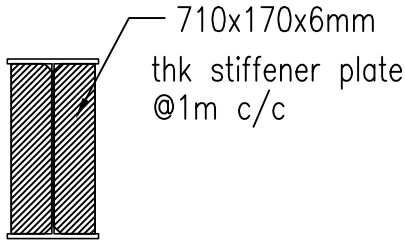
TV2 & TV3

MODIFIED SECTION

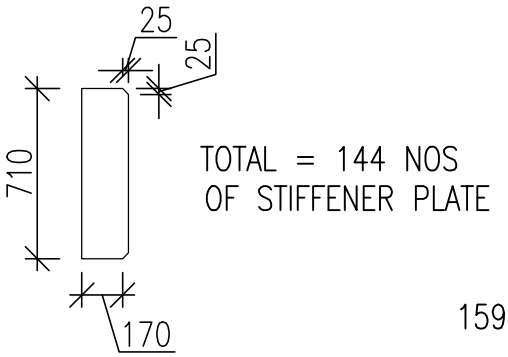


TV1





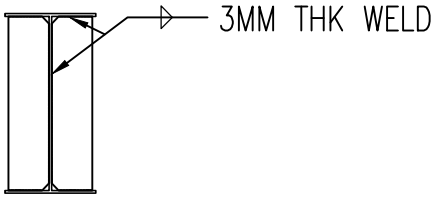
TV2 & TV3



159

STRENGTHENING OF MEMBERS IN ALL SPAN (T1,T2 AND T3)

EXISTING SECTION MODIFIED SECTION

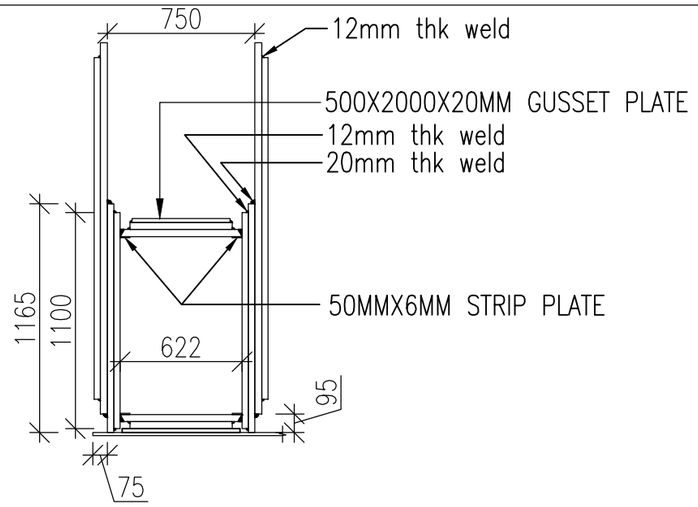


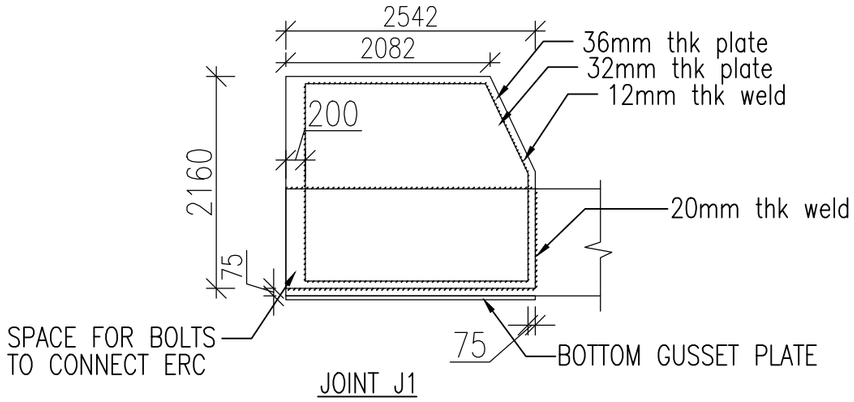
TYP WELDING OF STIFFENER PLATES

160

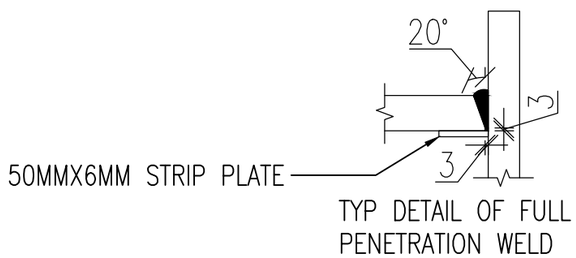
Client	National Thermal Power Corporation(NTPC),Farakka		**Design Consultant**
Project	Retrofitting of bridge across feeder canal, NTPC, Farakka		
Document Title	Design Report	Rev -04	
Document No.	IITM/DOE/NTPCF/IR/1000	Date:22-11-2020	

DETAILS OF GUSSETE PLATE IN THE LAUNCHING SPAN–J1

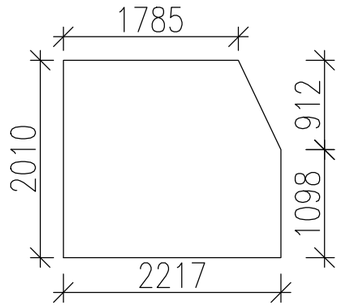




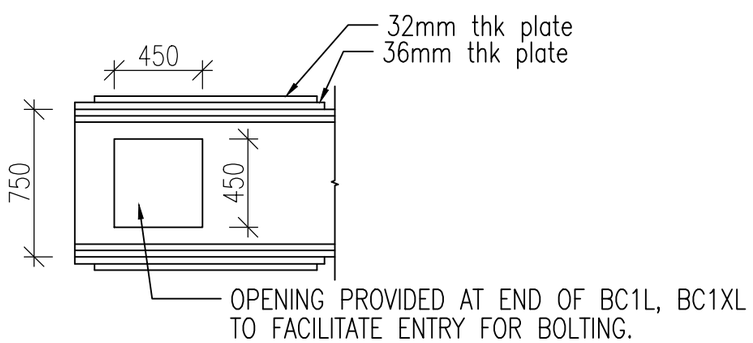
JOINT J1



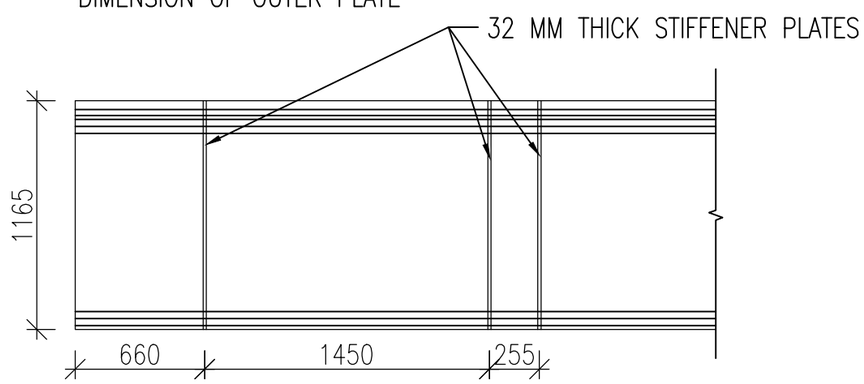
TYP DETAIL OF FULL
PENETRATION WELD



DIMENSION OF OUTER PLATE



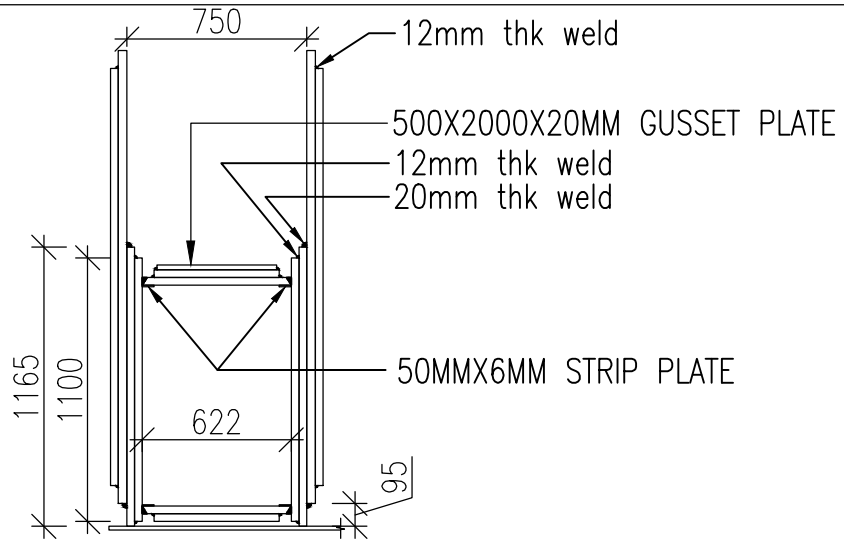
PLAN AT TOP– BC1L, BC1XL

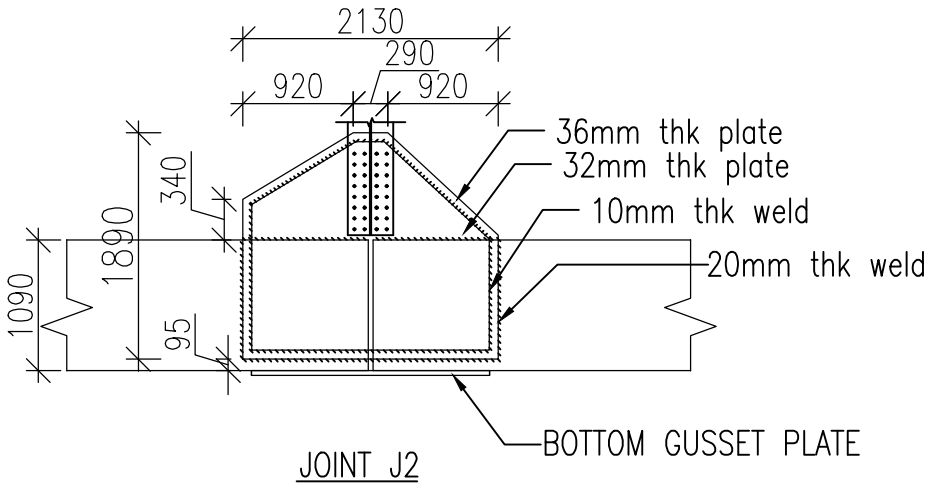


ELEVATION– BC1L, BC1XL

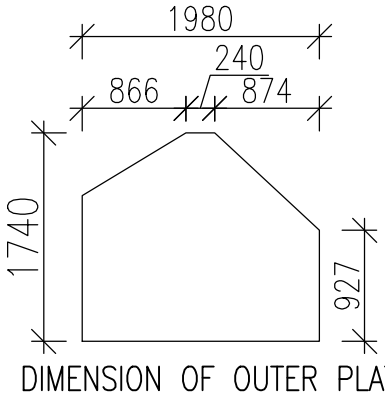
161

DETAILS OF GUSSETE PLATE IN THE LAUNCHING SPAN–J2

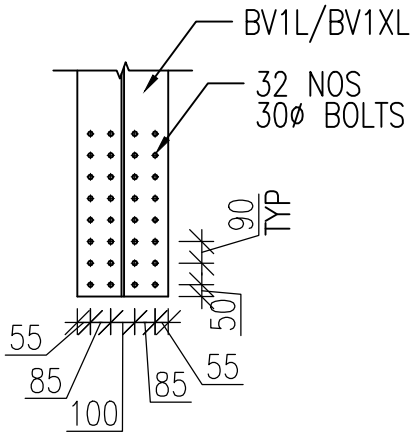




JOINT J2

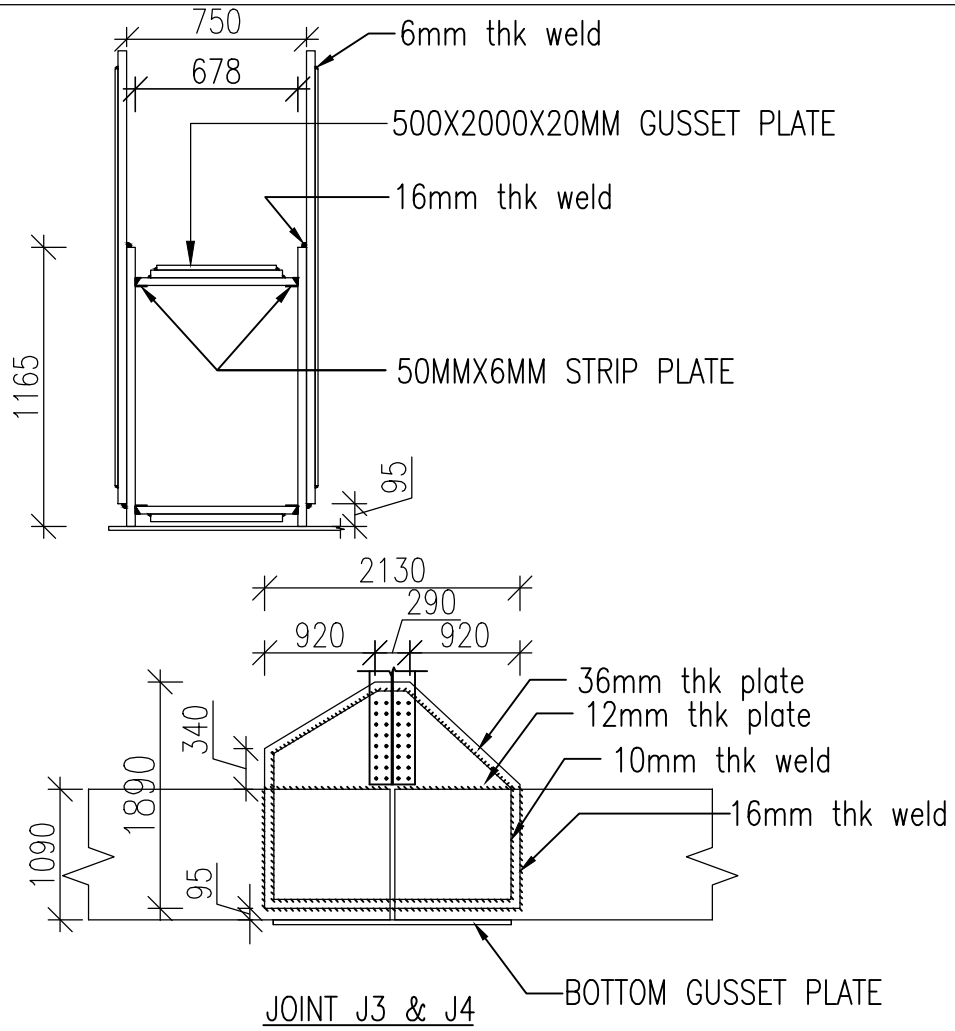


DIMENSION OF OUTER PLATE

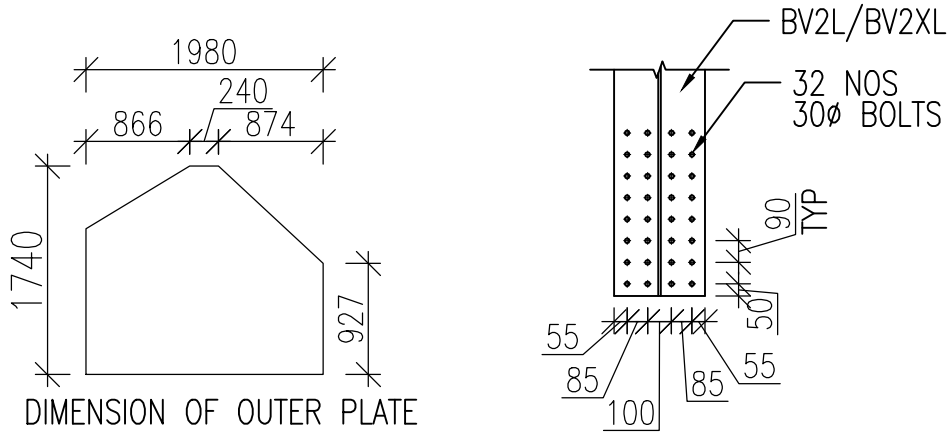


162

DETAILS OF GUSSETE PLATE IN THE LAUNCHING SPAN–J3&J4



JOINT J3 & J4

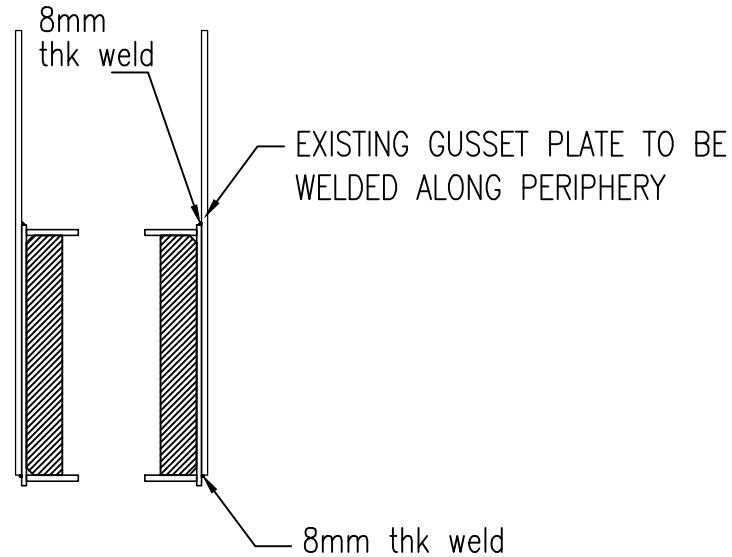


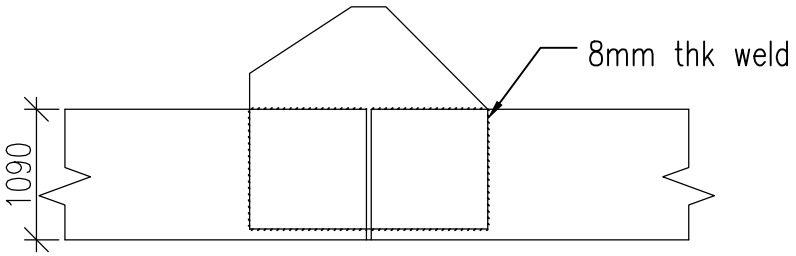
DIMENSION OF OUTER PLATE

163

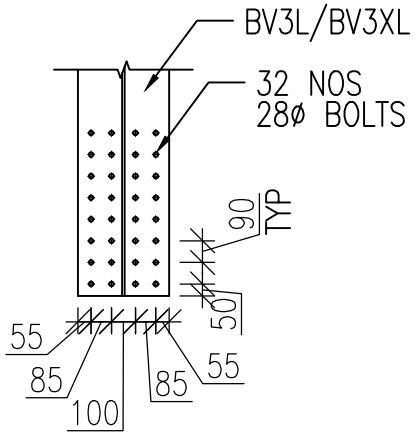
* REFER PAGE 26 FOR BV3L/BV3XL CONNECTION

STRENGTHENING OF GUSSETE PLATE IN THE LAUNCHING SPAN–J5,J6&J7





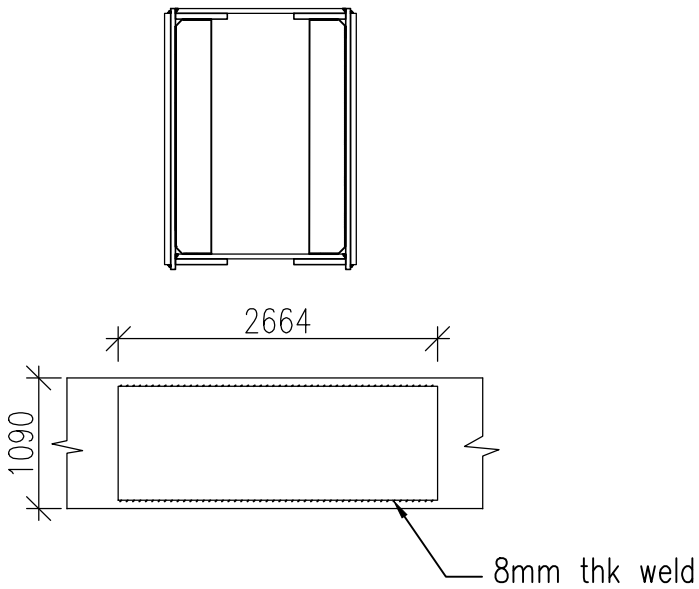
JOINT J5,J6&J7



BV3L/BV3XL– J4 CONNECTION

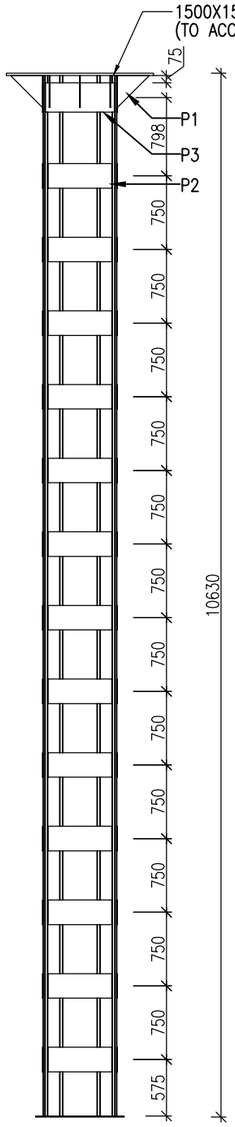
164

STRENGTHENING WITH ADDITIONAL PLATE IN THE LAUNCHING SPAN

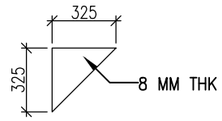


WELDING OF ADDITIONAL PLATES FOR MEMBERS
BC4L,BC5L,BC6L,BC7L,BC4XL,BC5XL,BC6XL AND BC7XL

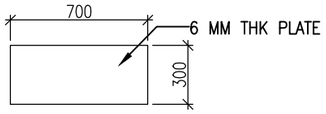
Client	National Thermal Power Corporation(NTPC),Farakka		**Design Consultant**
Project	Retrofitting of bridge across feeder canal, NTPC, Farakka		
Document Title	Design Report	Rev -04	
Document No.	IITM/DOE/NTPCF/IR/1000	Date:22-11-2020	



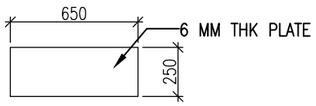
LONGITUDINAL SECTION OF STEEL COLUMN SUPPORTING TRUSS



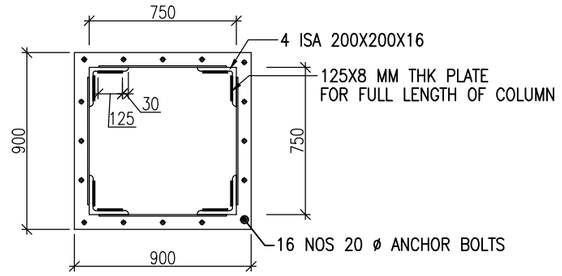
DETAILS PF PLATE P1



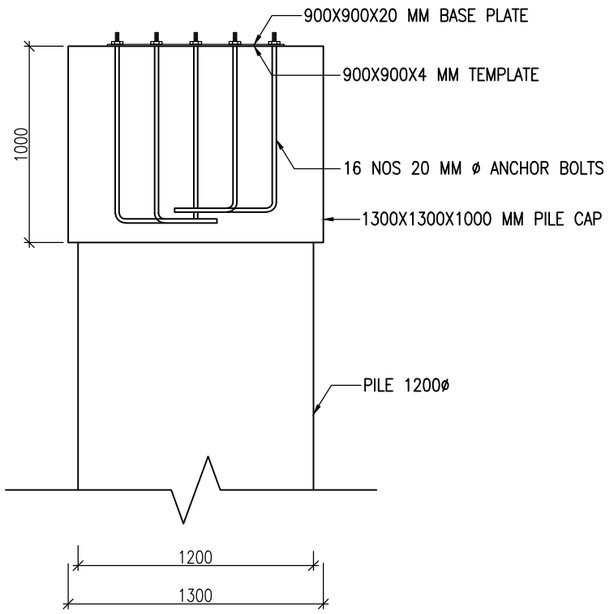
DETAILS PF PLATE P3



DETAILS PF PLATE P2

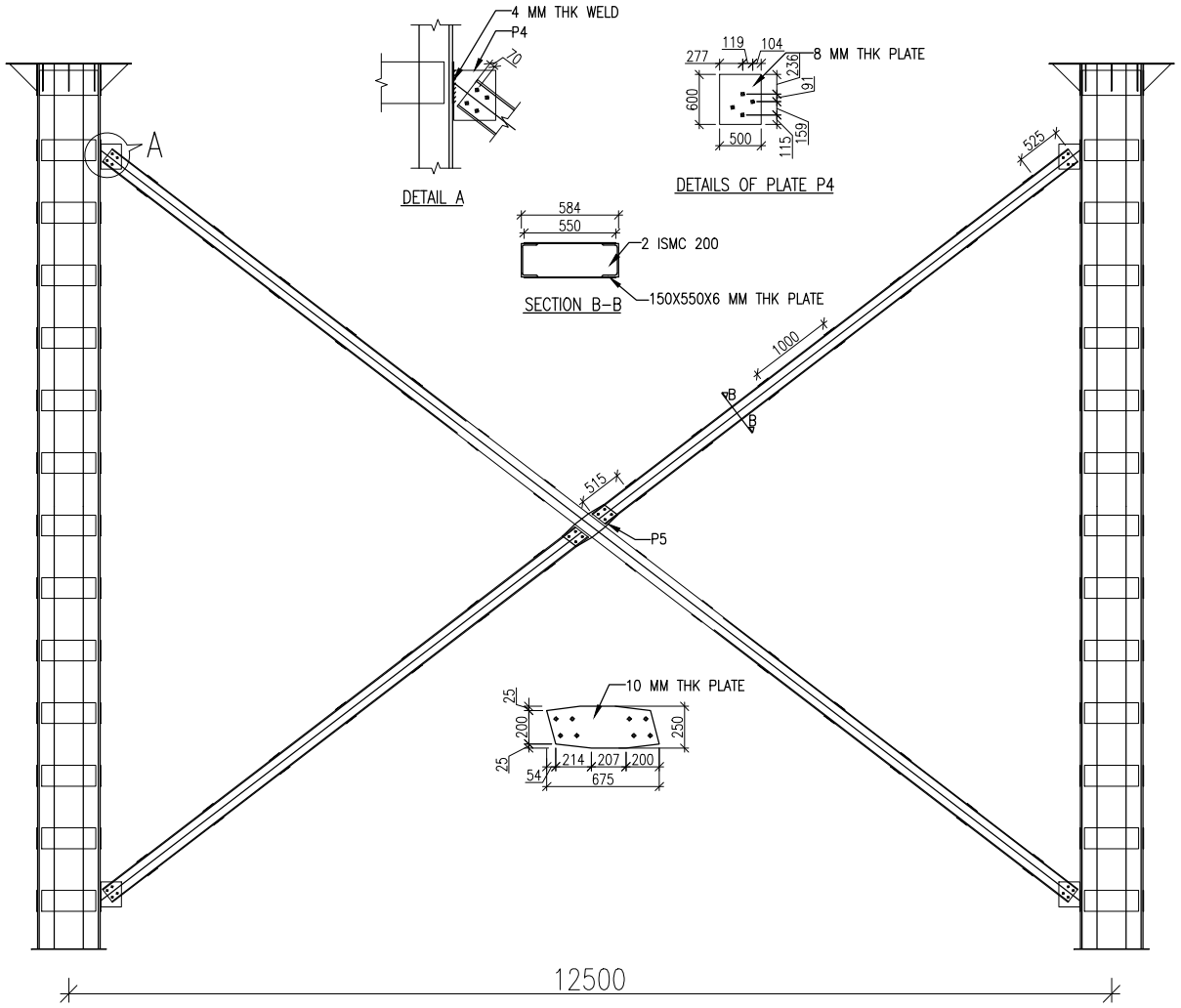


PLAN AT BASE PLATE LEVEL



SECTION SHOWING BASE PLATE AND PILE CAP

166

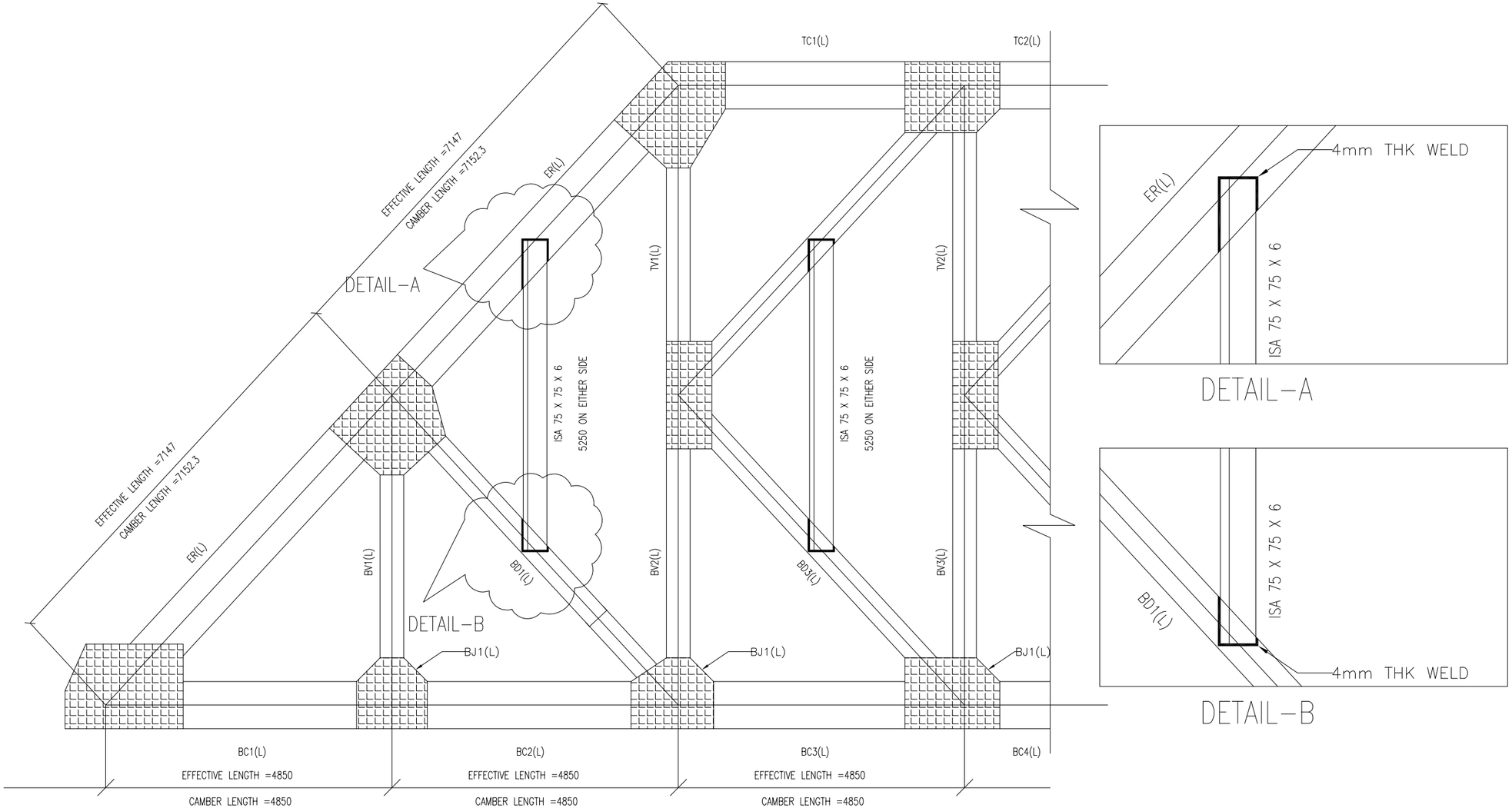


DETAILS OF BRACING PARALLEL TO CANAL
TRANSVERSE BRACING

NOTE: RESTRAIN IN THE LONGITUDINAL DIRECTION SHALL BE GIVEN THROUGH THE EXISTING BRAKING SYSTEM USED IN PUSHING OPERATION

167

Client	National Thermal Power Corporation(NTPC),Farakka		**Design Consultant**
Project	Retrofitting of bridge across feeder canal, NTPC, Farakka		
Document Title	Design Report	Rev -04	
Document No.	IITM/DOE/NTPCF/IR/1000	Date:22-11-2020	



SUPPORT FOR BD1 & BD2

168

BILL OF QUANTITIES FOR PROPOSED REPLACEMENTS AND ADDITIONAL MEMBERS FOR STRENGTHENING OF BRIDGE							
Sl.no	**Proposed additional member for existing failed member**	**Nos**	**Length (m)**	**Width (m)**	**Thickness (m)**	**Quantity**	**Unit**
1	**Bottom chord(T1)**						
a.	BCIL &BCIXL						
	Flange plate(4x5505x1165x32mm)	4	5.505	1.165	0.032	6.444	T
	Flange plate(4x5505x1100x36mm)	4	5.505	1.100	0.032	6.085	T
	Web plate(4x5505x622x32mm)	4	5.505	0.622	0.036	3.871	T
	Web plate(4x.5505x522x36mm)	4	5.505	0.522	0.036	3.248	T
	Stiffener	12	0.906	0.150	0.01	0.128	T
b.	BC2L&BC2XL						
	Flange plate(4x4840X1165x25mm)	4	4.840	1.165	0.025	4.426	T
	Flange plate(4x4840x1100x25mm)	4	4.840	1.100	0.025	4.179	T
	Web plate(4x4840x622x36mm)	4	4.840	0.622	0.036	3.403	T
	Web plate(4x4840x522x36mm)	4	4.840	0.522	0.036	2.856	T
	Stiffener	12	0.922	0.150	0.01	0.130	T
					Total	34.771	T
c.	BC3L&BC3XL						
	side plate(4x4840x1165x25mm)	4	4.840	1.165	0.025	4.426	T
	Flange plate(4x4840x678x36mm)	4	4.840	0.678	0.036	3.709	T
	Side plate(4x4850x550x36mm)	4	4.840	0.550	0.036	3.009	T
	Stiffener	12	0.922	0.150	0.008	0.104	T

d.	BC4L&BC4XL						
	Flange plate(4x2460x1050x25mm)	4	2.460	1.050	0.025	2.028	T
	Side plate(4x4850x710x20mm)	4	3.350	0.710	0.02	1.494	T
	Stiffener	12	0.980	0.150	0.008	0.111	T
e.	(BC5L&BC6L) (BC5XL&BC6XL)						
	Web plate(4x3350x646x32mm)	8	3.350	0.646	0.032	4.349	T
	Stiffener	24	0.968	0.150	0.008	0.219	T
f.	BC7L&BC7XL						
	Web plate(4x3350x678x20mm)	4	3.350	0.678	0.02	1.426	T
	Stiffener	12	0.980	0.150	0.008	0.111	T
					Total	55.757	
2	**Bottom chord(T2)**						
a.	BCIL&BCIXL						
	Web plate(8x5505x200x25mm)	8	5.505	0.200	0.025	1.729	T
b.	BC2L-BC3L&BC2XL-BC3XL						
	Web plate(16x4840x200x25mm)	16	4.840	0.200	0.025	3.040	T
c.	BC4L&BC4XL						
	Web plate(8x3350x200x25mm)	8	3.350	0.200	0.025	1.052	T
d.	BC5L-BC6L&BC5XL-BC6XL						
	Web plate(16x3350x150x16mm)	16	3.350	0.150	0.016	1.010	T

e.	BC7L-BC8L&BC7XL-BC8XL						
	Web plate(16x3350x150x16mm)	16	3.350	0.150	0.016	1.010	T
					Total	7.840	
3	**Bottom Vertical**						
a.	BV1L&BV1XL						
	Flange plate(4x3885x380x36mm)	4	3.885	0.380	0.036	1.669	T
	web plate(2x3778x678x12mm)	2	3.778	0.678	0.012	0.483	T
b.	BV2L&BV2XL						
	Flange plate(4x3960x380x40mm)	4	3.960	0.380	0.04	1.890	T
	web plate(2x3960x670x12mm)	2	3.960	0.670	0.012	0.500	T
c.	BV3L&BV3XL						
	Flange plate(4x3960x380x25mm)	4	3.960	0.380	0.025	1.181	T
	web plate(2x3960x706x16mm)	2	3.960	0.706	0.016	0.702	T
d.	BV4L&BV4XL						
	Flange plate(4x2957x420x16mm)	4	2.957	0.420	0.016	0.624	T
e.	BV5L&BV5XL						
	Flange plate(4x3017x330x16mm)	4	3.017	0.330	0.016	0.500	T
f.	BV6L&BV6XL						
	Flange plate(4x3170x330x16mm)	4	3.170	0.330	0.016	0.526	T
g.	BV7L&BV7XL						
	Flange plate(4x3220x330x16mm)	4	3.220	0.330	0.016	0.534	T
					Total	8.608	T

4	**ERC**						
	ERC-2						
a.	flange plate(8x1935x660x20mm)	8	1.935	0.660	0.02	1.604	T
	web plate(8x1935x800x16mm)	8	1.935	0.800	0.016	1.555	T
b.	ERC- 2A						
	flange plate(8x3312x660x20mm)	8	3.312	0.660	0.02	2.746	T
	web plate(8x3312x900x16mm)	8	3.312	0.900	0.016	2.995	T
c.	ERC3 -3A						
	flange plate(4x1000x1090x36mm)	4	1.000	1.090	0.036	1.232	T
	flange plate(16x1000x900x16mm)	4	1.000	0.900	0.016	0.452	T
	web plate(16x1000x212x36mm)	4	1.000	0.212	0.036	0.240	T
	web plate(16x1000x212x32mm)	4	1.000	0.212	0.032	0.213	T
					Total	11.037	T
5	**BOTTOM DIAPHGRAM**						
a.	**BD1**						
	Flange plate(4x5986x390x16mm)	4	5.986	0.390	0.016	1.173	T
			L	unit weight			
	Angle ISA 100X100X10 (4x5972)	4	5.972	14.900	kg/m	0.356	T
	Angle ISA 100X100X10(4x5732)	4	5.732	14.900	kg/m	0.342	
					Total	1.870	T
6	**STR**						
	(STR41L&1XL)&(STR51L&1XL))						
a.	top plate(192x4480x100x8)	192	4.480	0.100	0.008	5.402	T
	bottom plate(192x4480x180x6)	192	4.480	0.180	0.006	7.292	T
					Total	12.694	

7	**TI,T2,T3(STRENGTHENING)**						
a.	OCGEL/R						
	top plate(102x2280x260x8)	102	2.280	0.260	0.008	3.797	T
	bottom plate(102x2280x340x6)	102	2.280	0.340	0.006	3.724	T
b.	BV1 TO BV4						
	STIFFNER PLATE(288X726X170X6)	288	0.726	0.170	0.006	1.674	T
c.	BV5 TO BV8						
	Stiffner plate(312X726X125X6)	312	0.726	0.125	0.006	1.334	T
d.	STR1 TO STR3						
	Stiffner plate(1920X558X90X6)	1920	0.558	0.090	0.006	4.541	T
e.	TV1						
	Stiffner plate(72X678X170X6)	72	0.678	0.170	0.006	0.391	T
	TV2&TV3						
	Stiffner plate(144X710X170X6)	144	0.710	0.170	0.006	0.819	T
							T
					Total	16.280	T
8	**GUESSET PLATES**						
a.	BCIL &BCIXL						
	outer gusset plate	4	2.390	2.010	0.032	4.827	T
	inner gusset plate	4	2.542	2.160	0.036	6.207	T
	top gusset plate	2	2.000	0.500	0.02	0.314	T
b.	BC2L &BC2XL						
	outer gusset plate	4	1.980	1.740	0.032	3.462	T
	inner gusset plate	4	2.130	1.890	0.032	4.045	T
	top gusset plate	2	2.000	0.500	0.02	0.314	T
c.	(BC3L &BC4L)(BC4L&BC4XL)						

	outer gusset plate	4	1.980	1.700	0.012	1.268	T
	inner gusset plate	4	2.130	1.890	0.036	4.551	T
	top gusset plate	2	2.000	0.500	0.02	0.314	T
					Total	25.301	T
	Support for BD1 & BD2						
	ISA 75X75X6	4	5.250			0.143	
					Total	**0.143**	**T**
	Temproary support						
	STEEL COLUMN						
	section	Nos	unit weight	Length		Total weight	
	ISA 200x200x16	8	48.500	10.610		4.117	
	ISMC 200 Bracing	4	22.100	14.600		1.291	
9	**GUESSET PLATES**						
	Additional plate- column	8	10.610	0.125	0.008	0.666	
a.	Support plates P1 (Triangular)	24	0.325	0.325	0.006	0.060	T
b.	Batten plates P2	104	0.650	0.250	0.006	0.796	T
c.	Batten plates P3	8	0.700	0.300	0.006	0.079	T
d.	base plate	2	0.900	0.900	0.02	0.254	
e.	top support plate	2	1.500	1.500	0.02	0.707	T
f.	template	2	0.900	0.900	0.004	0.051	T
g.	batten plate- bracing	56	0.550	0.150	0.006	0.218	T

h.	Connection plate P4	8	0.600	0.500	0.008	0.151	
i.	joint plate P5- bracing	2	0.675	0.250	0.01	0.026	T
					Total	8.415	
10	**REVISION IN BOTTOM GUSSET PLATE**						
a	Plate BCJ1P1	8	1.420	1.400	0.02	2.497	
b	Plate BCJ1P2	8	0.825	0.225	0.016	0.187	
c	Plate BCJ1P3	8	1.200	0.425	0.02	0.641	
d	Plate BCJ1P4	224	0.075	0.075	0.02	0.198	
					Total	3.522	
					Grand Total	151.468	T
					Add 8% for wastage	12.117	T
					Therefore total quantity	163.513	T
11	**FOUNDATION**						
a.	Foundation and pedestal	concrete	M30	58.500	m^3		
		steel	8 mmΦ	0.120	T		
		steel	20 mmΦ	0.165	T		
		steel	25 mmΦ	3.400	T		
b.	Anchor bolt	steel	20 mmΦ	0.120	T		

Dr. R. SUNDARAVADIVELU,
Professor
Department of Ocean Engineering
Indian Institute of Technology Madras
Chennai - 600 036.

Annexure-C

(23)

No. 40-3/2020-DM-I(A)
Government of India
Ministry of Home Affairs

North Block, New Delhi-110001
Dated 24th March, 2020

ORDER

Whereas, the National Disaster Management Authority (NDMA), is satisfied that the country is threatened with the spread of COVID-19 epidemic, which has already been declared as a pandemic by the World Health Organisation, and has considered it necessary to take effective measures to prevent its spread across the country and that there is a need for consistency in the application and implementation of various measures across the country while ensuring maintenance of essential services and supplies, including health infrastructure;

Whereas in exercise of the powers under section 6(2)(i) of the Disaster Management Act, 2005, the National Disaster Management Authority (NDMA), has issued an Order no. 1-29/2020-PP (Pt.II) dated 24.03.2020 (Copy enclosed) directing the Ministries/ Departments of Government of India, State/Union Territory Governments and State/ Union Territory Authorities to take effective measures so as to prevent the spread of COVID-19 in the country;

Whereas under directions of the aforesaid Order of NDMA, and in exercise of the powers, conferred under Section 10(2)(I) of the Disaster Management Act, the undersigned, in his capacity as Chairperson, National Executive Committee, hereby issues guidelines, as per the Annexure, to Ministries/ Departments of Government of India, State/Union Territory Governments and State/ Union Territory Authorities with the directions for their strict implementation. This Order shall remain in force, in all parts of the country for a period of 21 days with effect from 25.03.2020.

24/3/2020
Home Secretary

To

1. **The Secretaries of Ministries/ Departments of Government of India**
2. **The Chief Secretaries/Administrators of States/Union Territories**
   (As per list attached)

Copy to:

i. All members of the National Executive Committee.
ii. Member Secretary, National Disaster Management Authority.

Annexure to Ministry of Home Affairs Order No .40-3/2020-D dated ()24.03.2020

Guidelines on the measures to be taken by Ministries/ Departments of Government of India, State/Union Territory Governments and State/ Union Territory Authorities for containment of COVID-19 Epidemic in the Country.

1. Offices of the Government of India, its Autonomous/ Subordinate Offices and Public Corporations shall remain closed.
   Exceptions:
   Defence, central armed police forces, treasury, public utilities (including petroleum, CNG, LPG, PNG), disaster management, power generation and transmission units, post offices, National Informatics Centre, Early Warning Agencies

2. Offices of the State/ Union Territory Governments, their Autonomous Bodies, Corporations, etc. shall remain closed.
   Exceptions:
   a. Police, home guards, civil defence, fire and emergency services, disaster management, and prisons.
   b. District administration and Treasury
   c. Electricity, water, sanitation
   d. Municipal bodies—Only staff required for essential services like sanitation, personnel related to water supply etc

The above offices (Sl. No 1 & 2) should work with minimum number of employees. All other offices may continue to work-from-home only.

3. Hospitals and all related medical establishments, including their manufacturing and distribution units, both in public and private sector, such as dispensaries, chemist and medical equipment shops, laboratories, clinics, nursing homes, ambulance etc. will continue to remain functional. The transportation for all medical personnel, nurses, para-medical staff, other hospital support services be permitted.

4. Commercial and private establishments shall be closed down.
   Exceptions:
   a. Shops, including ration shops (under PDS), dealing with food, groceries, fruits and vegetables, dairy and milk booths, meat and fish, animal fodder. However, district authorities may encourage and facilitate home delivery to minimize the movement of individuals outside their homes.
   b. Banks, insurance offices, and ATMs.
   c. Print and electronic media
   d. Telecommunications, internet services, broadcasting and cable services. IT and IT enabled Services only (for essential services) and as far as possible to work from home.
   e. Delivery of all essential goods including food, pharmaceuticals, medical equipment through E-commerce.

f. Petrol pumps, LPG, Petroleum and gas retail and storage outlets.
g. Power generation, transmission and distribution units and services.
h. Capital and debt market services as notified by the Securities and Exchange Board of India
i. Cold storage and warehousing services.
j. Private security services

All other establishments may work-from-home only.

5. Industrial Establishments will remain closed.
Exceptions:
   a. Manufacturing units of essential commodities.
   b. Production units, which require continuous process, after obtaining required permission from the State Government

6. All transport services – air, rail, roadways – will remain suspended.
Exceptions:
   a. Transportation for essential goods only.
   b. Fire, law and order and emergency services.

7. Hospitality Services to remain suspended
Exceptions:
   a. Hotels, homestays, lodges and motels, which are accommodating tourists and persons stranded due to lockdown, medical and emergency staff, air and sea crew.
   b. Establishments used/ earmarked for quarantine facilities.

8. All educational, training, research, coaching institutions etc. shall remain closed.

9. All places of worship shall be closed for public. No religious congregations will be permitted, without any exception.

10. All social/ political/ sports/ entertainment/ academic/ cultural/ religious functions / gatherings shall be barred.

11. In case of funerals, congregation of not more than twenty persons will be permitted.

12. All persons who have arrived into India after 15.02.2020, and all such persons who have been directed by health care personnel to remain under strict home/ institutional quarantine for a period as decided by local Health Authorities, failing which they will be liable to legal action under Sec. 188 of the IPC.

13. Wherever exceptions to above containment measures have been allowed, the organisations/employers must ensure necessary precautions against COVID-19

virus, as well as social distance measures, as advised by the Health Department from time to time.

14. In order to implement these containment measures, the District Magistrate will deploy Executive Magistrates as Incident Commanders in the respective local jurisdictions. The Incident Commander will be responsible for the overall implementation of these measures in their respective jurisdictions. All other line department officials in the specified area will work under the directions of such incident commander. The Incident Commander will issue passes for enabling essential movements as explained.

15. All enforcing authorities to note that these strict restrictions fundamentally relate to movement of people, but not to that of essential goods.

16. The Incident Commanders will in particular ensure that all efforts for mobilisation of resources, workers and material for augmentation and expansion of hospital infrastructure shall continue without any hindrance.

17. Any person violating these containment measures will be liable to be proceeded against as per the provisions of Section 51 to 60 of the Disaster Management Act, 2005, besides legal action under Sec. 188 of the IPC (as per Appendix).

18. The above containment measures will remain in force, in all parts of the country, for a period of 21 days with effect from 25.03.2020.

24/3/2020

Union Home Secretary

1. Section 51 to 60 of the Disaster Management Act, 2005

OFFENCES AND PENALTIES

51. Punishment for obstruction, etc.—Whoever, without reasonable cause —

(a) obstructs any officer or employee of the Central Government or the State Government, or a person authorised by the National Authority or State Authority or District Authority in the discharge of his functions under this Act; or

(b) refuses to comply with any direction given by or on behalf of the Central Government or the State Government or the National Executive Committee or the State Executive Committee or the District Authority under this Act,

shall on conviction be punishable with imprisonment for a term which may extend to one year or with fine, or with both, and if such obstruction or refusal to comply with directions results in loss of lives or imminent danger thereof, shall on conviction be punishable with imprisonment for a term which may extend to two years.

52. Punishment for false claim.—Whoever knowingly makes a claim which he knows or has reason to believe to be false for obtaining any relief, assistance, repair, reconstruction or other benefits consequent to disaster from any officer of the Central Government, the State Government, the National Authority, the State Authority or the District Authority, shall, on conviction be punishable with imprisonment for a term which may extend to two years, and also with fine.

53. Punishment for misappropriation of money or materials, etc.—Whoever, being entrusted with any money or materials, or otherwise being, in custody of, or dominion over, any money or goods, meant for providing relief in any threatening disaster situation or disaster, misappropriates or appropriates for his own use or disposes of such money or materials or any part thereof or wilfully compels any other person so to do, shall on conviction be punishable with imprisonment for a term which may extend to two years, and also with fine.

54. Punishment for false warning.—Whoever makes or circulates a false alarm or warning as to disaster or its severity or magnitude, leading to panic, shall on conviction, be punishable with imprisonment which may extend to one year or with fine.

55. Offences by Departments of the Government.—(1) Where an offence under this Act has been committed by any Department of the Government, the head of the Department shall be deemed to be guilty of the offence and shall be liable to be proceeded against and punished accordingly unless he proves that the offence was committed without his knowledge or that he exercised all due diligence to prevent the commission of such offence.

(2) Notwithstanding anything contained in sub-section (1), where an offence under this Act has been committed by a Department of the Government and it is proved that the

offence has been committed with the consent or connivance of, or is attributable to any neglect on the part of, any officer, other than the head of the Department, such officer shall be deemed to be guilty of that offence and shall be liable to be proceeded against and punished accordingly.

56. Failure of officer in duty or his connivance at the contravention of the provisions of this Act.—Any officer, on whom any duty has been imposed by or under this Act and who ceases or refuses to perform or withdraws himself from the duties of his office shall, unless he has obtained the express written permission of his official superior or has other lawful excuse for so doing, be punishable with imprisonment for a term which may extend to one year or with fine.

57. Penalty for contravention of any order regarding requisitioning.—If any person contravenes any order made under section 65, he shall be punishable with imprisonment for a term which may extend to one year or with fine or with both.

58. Offence by companies.—(1) Where an offence under this Act has been committed by a company or body corporate, every person who at the time the offence was committed, was in charge of, and was responsible to, the company, for the conduct of the business of the company, as well as the company, 25 shall be deemed to be guilty of the contravention and shall be liable to be proceeded against and punished accordingly: Provided that nothing in this sub-section shall render any such person liable to any punishment provided in this Act, if he proves that the offence was committed without his knowledge or that he exercised due diligence to prevent the commission of such offence. (2) Notwithstanding anything contained in sub-section (1), where an offence under this Act has been committed by a company, and it is proved that the offence was committed with the consent or connivance of or is attributable to any neglect on the part of any director, manager, secretary or other officer of the company, such director, manager, secretary or other officer shall also, be deemed to be guilty of that offence and shall be liable to be proceeded against and punished accordingly.

Explanation.—For the purpose of this section— (a) "company" means any body corporate and includes a firm or other association of individuals; and (b) "director", in relation to a firm, means a partner in the firm.

59. Previous sanction for prosecution.—No prosecution for offences punishable under sections 55 and 56 shall be instituted except with the previous sanction of the Central Government or the State Government, as the case may be, or of any officer authorised in this behalf, by general or special order, by such Government.

60. Cognizance of offences.—No court shall take cognizance of an offence under this Act except on a complaint made by— (a) the National Authority, the State Authority, the Central Government, the State Government, the District Authority or any other authority or officer authorised in this behalf by that Authority or Government, as the case may be; or (b) any person who has given notice of not less than thirty days in the manner prescribed, of the alleged offence and his intention to make a complaint to

the National Authority, the State Authority, the Central Government, the State Government, the District Authority or any other authority or officer authorised as aforesaid.

2. Section 188 in The Indian Penal Code

188. Disobedience to order duly promulgated by public servant.—Whoever, knowing that, by an order promulgated by a public servant lawfully empowered to promulgate such order, he is directed to abstain from a certain act, or to take certain order with certain property in his possession or under his management, disobeys such direction, shall, if such disobedience causes or tends to cause obstruction, annoyance or injury, or risk of obstruction, annoyance or injury, to any person lawfully employed, be punished with simple imprisonment for a term which may extend to one month or with fine which may extend to two hundred rupees, or with both; and if such disobedience causes or trends to cause danger to human life, health or safety, or causes or tends to cause a riot or affray, shall be punished with imprisonment of either description for a term which may extend to six months, or with fine which may extend to one thousand rupees, or with both.

Explanation.—It is not necessary that the offender should intend to produce harm, or contemplate his disobedience as likely to produce harm. It is sufficient that he knows of the order which he disobeys, and that his disobedience produces, or is likely to produce, harm.

Illustration
An order is promulgated by a public servant lawfully empowered to promulgate such order, directing that a religious procession shall not pass down a certain street. A knowingly disobeys the order, and thereby causes danger of riot. A has committed the offence defined in this section.

AJAY BHALLA, IAS

गृह सचिव
Home Secretary
भारत सरकार
Government of India
North Block,
New Delhi

D.O.No. 40-3/2020-DM-I(A)

14th April, 2020

Dear Chief Secretary,

Hon'ble Prime Minister, in his address to the Nation today, has announced that the lockdown in India, which has been imposed to contain the spread of COVID-19 pandemic, will have to be extended till May 3, 2020. In pursuance of this announcement, and on the directions of the National Disaster Management Authority (NDMA), issued on April 14, 2020, I, as Chairperson, National Executive Committee(NEC), have issued directions to all the Ministries/Departments of Government of India, State/Union Territory Governments and Authorities, that the lockdown measures stipulated in the Consolidated Guidelines of MHA, for containment of COVID-19 pandemic in the country, will continue to remain in force upto May 3, 2020. A copy of the Order dated April 14, 2020, issued under the Disaster Management Act, 2005, is herewith enclosed.

2. With the extension of the lockdown, all restrictions that have been imposed in various sectors, and on various activities, will continue to remain in force. These restrictions, which have been spelt out in the Consolidated Guidelines of MHA, must be enforced strictly, by all Ministries/Departments of the Government of India, and by State/Union Territory Governments and Authorities.

3. It is emphasized that as per the orders issued by MHA under the Disaster Management Act, 2005, the States/Union Territories cannot dilute restrictions imposed vide the aforesaid guidelines.

4. I would again urge you to strictly implement the directions issued by MHA, under the Disaster Management Act, 2005, as contained in the Consolidated Guidelines, without any dilution of the same.

With regards,

Yours sincerely,

14/04/2020

(Ajay Bhalla)

Encl : as above.

Chief Secretaries of All States
(As per standard list)

AJAY BHALLA, IAS

गृह सचिव
Home Secretary
भारत सरकार
Government of India
North Block,
New Delhi

D.O.No. 40-3/2020-DM-I(A)

14th April, 2020

Dear Administrators,

Hon'ble Prime Minister, in his address to the Nation today, has announced that the lockdown in India, which has been imposed to contain the spread of COVID-19 pandemic, will have to be extended till May 3, 2020. In pursuance of this announcement, and on the directions of the National Disaster Management Authority (NDMA), issued on April 14, 2020, I, as Chairperson, National Executive Committee(NEC), have issued directions to all the Ministries/Departments of Government of India, State/Union Territory Governments and Authorities, that the lockdown measures stipulated in the Consolidated Guidelines of MHA, for containment of COVID-19 pandemic in the country, will continue to remain in force upto May 3, 2020. A copy of the Order dated April 14, 2020, issued under the Disaster Management Act, 2005, is herewith enclosed.

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3. It is emphasized that as per the orders issued by MHA under the Disaster Management Act, 2005, the States/Union Territories cannot dilute restrictions imposed vide the aforesaid guidelines.

4. I would again urge you to strictly implement the directions issued by MHA, under the Disaster Management Act, 2005, as contained in the Consolidated Guidelines, without any dilution of the same.

With regards,

Yours sincerely,

14/04/2020

(Ajay Bhalla)

Encl : as above.

Administrators of All UTs
(As per standard list)

ANNEXURE-X

No. 40-3/2020-DM-I(A)
Government of India
Ministry of Home Affairs

North Block, New Delhi-110001
Dated 14th April, 2020

ORDER

Whereas under directions of the National Disaster Management Authority (NDMA)'s Order dated 24.03.2020, and in exercise of the powers, conferred under Section 10(2)(I) of the Disaster Management Act 2005, the undersigned, in his capacity as Chairperson, National Executive Committee, issued directions vide Order of even number dated 24.03.2020 to all Ministries/ Departments of Government of India, State/ Union Territory Governments and State/ Union Territory Authorities, with the guidelines to implement lockdown measures, to contain the spread of COVID-19, in all parts of the country for a period of 21 days with effect from 25.03.2020;

Whereas, the guidelines to implement lockdown measures were further modified on 25.03.2020, 27.03.2020, 02.04.2020, 03.04.2020 and 10.04.2020 and consolidated guidelines are placed on the website of Ministry of Home Affairs (MHA);

Whereas, NDMA after assessing the situation on COVID-19 epidemic is satisfied that strict social distancing measures need to be implemented for a further period so as to effectively contain the spread of COVID-19 in the country;

Whereas in exercise of the powers under section 6(2)(i) of the Disaster Management Act, 2005, NDMA has issued an Order number 1-137/2018-Mit-II (FTS-10548) dated 14.04.2020 (copy enclosed) directing the Chairperson, National Executive Committee that existing lockdown measures be continued to be implemented in all parts of the Country, upto 03.05.2020.

Whereas under directions of the aforesaid Order of NDMA, and in exercise of the powers, conferred under Section 10(2)(I) of the Disaster Management Act, 2005, the undersigned, in his capacity as Chairperson, National Executive Committee, hereby issues directions to all the all Ministries/ Departments of Government of India, State/Union Territory Governments and State/Union Territory Authorities that the Lockdown measures stipulated in aforesaid Consolidated Guidelines of MHA for containment of COVID-19 epidemic in the country, will continue to remain in force upto 03.05.2020 to contain the spread of COVID-19 in the country.

14/04/2020
Union Home Secretary

To:
1. The Secretaries of Ministries/ Departments of Government of India
2. The Chief Secretaries/Administrators of States/Union Territories (As per list attached)

Copy to:
i. All members of the National Executive Committee.
ii. Member Secretary, National Disaster Management Authority.

Government of India
National Disaster Management Authority
"NDMA Bhawan",
A-1, Safdarjung Enclave, New Delhi-110029.

No.1-137/2018-Mit-II(FTS-10548) Dated, the 13th/14th April, 2020.

ORDER

On 24th March, 2020, the National Disaster Management Authority directed the Ministries/Departments of Government of India, State Governments and State Authorities to take measures for ensuring social distancing so as to prevent the spread of COVID 19 in the country. These measures are in force for a period of 21 days w.e.f. from 25th March 2020. Detailed guidelines and addenda were issued by National Executive Committee from time to time under section 10(2)(l) of the Disaster Management Act 2005.

2. Considering the fact that strict social distancing measures need to be implemented for a further period to contain the spread of COVID 19, the National Authority, in exercise of powers under Section 6 (2) (i) of the Disaster Management Act, 2005, directs the Ministries/Departments of Government of India, State Governments and State Authorities to continue the same measures for social distancing upto 3rd May, 2020. In this regard the guidelines/orders issued by NEC shall continue to be applicable throughout the country. The Authority further directs NEC to issue modifications in the guidelines as necessary, keeping in view the need to contain the spread of COVID 19.

14/4/2020

Member Secretary, NDMA

To

Union Home Secretary,
North Block, New Delhi 110011

ANNEXURE 3

No. 40-3/2020-DM-I(A)
Government of India
Ministry of Home Affairs

North Block, New Delhi-110001
Dated 1st May, 2020

ORDER

Whereas under directions of the National Disaster Management Authority (NDMA), guidelines on lockdown measures to contain the spread of COVID-19 in all parts of the country were issued vide Order of even number dated 24.03.2020 under the Disaster Management Act 2005 for a period of 21 days with effect from 25.03.2020. Under further directions of NDMA, the lockdown period was extended upto 03.05.2020 vide Order of even number dated 14.04.2020 and consolidated revised guidelines were issued vide Order of even number dated 15.04.2020;

Whereas in exercise of the powers under section 6(2)(i) of the Disaster Management Act, 2005, NDMA has issued an Order number 1-29/2020-PP dated 01.05.2020 directing the Chairperson, NEC that lockdown measures be continued to be implemented in all parts of the Country, for a further period of two weeks with effect from 04.05.2020;

Whereas under directions of the aforesaid Order of NDMA dated 01.05.2020, and in exercise of the powers, conferred under Section 10(2)(I) of the Disaster Management Act, 2005, the undersigned, in his capacity as Chairperson, NEC, hereby issues directions to all the Ministries/ Departments of Government of India, State/Union Territory Governments and State/Union Territory Authorities that the lockdown period is extended for a further period of two weeks with effect from 04.05.2020;

Whereas, in exercise of the powers, conferred under Section 10(2)(I) of the Disaster Management Act, 2005, the undersigned, in his capacity as Chairperson, NEC, hereby issues new guidelines on lockdown measures, as annexed, which will come into effect from 04.05.2020 for a period of two weeks, for strict implementation.

1/5/2020
Union Home Secretary

To:
1. The Secretaries of Ministries/ Departments of Government of India
2. The Chief Secretaries/Administrators of States/Union Territories
   (As per list attached)

Copy to:
i. All members of the National Executive Committee.
ii. Member Secretary, National Disaster Management Authority.

New Guidelines on the measures to be taken by Ministries/ Departments of Government of India, State/ UT Governments and State/ UT authorities for containment of COVID-19 in the country for the extended period of National Lockdown for a further period of two weeks with effect from 4th May, 2020.

[As per Ministry of Home Affairs (MHA) Order No. 40-3/2020-DM-I (A) dated 1st May, 2020]

1. With the extension of the Lockdown period for a further period of two weeks with effect from 4th May 2020, new guidelines, as under, will be applicable based on the risk profiling of the districts into Red (Hotspot), Green and Orange zones.

2. **Identification of Red (Hotspots), Green and Orange Zones**

   i. Based on their risk profile, the criteria for dividing the districts of the country into three zones, viz., **green, red and orange**, will be as follows:

      a. **Green Zones**: Green Zones shall be defined as per the following criteria: districts with zero confirmed case till date; or; districts with no confirmed case in the last 21 days.

      b. **Red Zones or Hotspot Districts**: Districts shall be defined as Red Zones or Hotspot districts, by Ministry of Health and Family Welfare (MoHFW), Government of India (GoI), taking into account total number of active cases, doubling rate of confirmed cases, extent of testing and surveillance feedback.

      c. **Orange Zones**: Districts, which are neither defined as Red nor as Green Zones, shall be Orange Zones.

   ii. MoHFW will share the list of Red Zone (Hotspot), Orange Zone and Green Zone districts and related information with State/ UTs on a weekly basis or earlier as required. States/ UTs, on review, may consider inclusion of **additional districts** as Red Zone (Hotspots) and Orange Zone districts depending on the extent of spread of COVID-19 infection. **However, States and UTs may not lower the classification of any district, that is included in the list of Red Zone (Hotspots) and Orange Zone districts by MoHFW.**

   iii. Districts classified either as Red or Orange Zones, may have one or more Municipal Corporation (MC) areas. In such cases, States/ UTs and District administrations may make an assessment of the distribution of cases - within the jurisdiction of the MC(s); and the area falling outside the MC(s) boundaries. In such cases, the classification of zones shall be as follows:

      a. In case the district is classified as a Red Zone, and, there is no confirmed case in the last 21 days in the area of the district outside the limits of the MC(s), this area may be labeled as an Orange Zone. However, due caution may be exercised in such areas so that they remain free from COVID-19 cases.

      b. In case the district is classified as an Orange Zone, and, there is no confirmed case in the last 21 days in the area of the district outside the limits of the MC(s), this area may be labeled as a Green Zone. However, due caution may be exercised in such areas so that they remain free from COVID-19 cases.

      c. In case in the area of the district outside the limits of the MC (s) does have one or more confirmed case(s) in the last 21 days, this part of the

district shall continue to be labeled as a Red or Orange Zone, as per the classification of the district.

d. While assessing the classification of a zone, cases should be registered in the zone where the case originates, rather than where it is treated.

3. **Identification of Containment Zones**

i. Containment Zones shall be demarcated within **Red (Hotspots) and Orange Zones** by States/ UTs and District Administrations based on the guidelines of MoHFW. The boundary of the Containment Zone shall be defined by District Administrations taking into account the following factors: mapping of cases and contacts; geographical dispersion of cases and contacts; area with well demarcated perimeter; and enforceability.

ii. The boundary of the Containment Zone will be a residential colony, *mohalla*, municipal ward, municipal zone, Police Station area, towns etc., in case of urban areas; and, a village, cluster of villages, Gram Panchayats, group of Police Stations, blocks etc., in case of rural areas.

Protocol within Containment Zones:

iii. Intensive surveillance mechanism as outlined in the Standard Operating Protocol (SOP) issued by MoHFW is to be established within the Containment Zone. **The local authority shall ensure 100% coverage of *Aarogya Setu* app among the residents of Containment Zones.**

iv. In the Containment Zone, following activities shall be undertaken by the local authorities:

a. Contact Tracing.

b. Home or Institutional quarantining of individuals based on risk assessment by medical officers. This risk assessment will be based on symptoms, contact with confirmed cases, and travel history.

c. Testing of all cases with Severe Acute Respiratory Infection (SARI), Influenza Like Illness (ILI) and other symptoms specified by MOHFW.

d. House to house surveillance by special teams constituted for this purpose.

e. Clinical management of all cases as per protocol.

f. Counselling and educating people; and establishing effective communication strategies.

v. In these **Containment Zones**, within Red (Hotspots) and Orange Zones, **where maximum precaution is required**, there shall be strict perimeter control to ensure that there is no movement of population in or out of these zones except for medical emergencies and for maintaining supply of essential goods and services. The guidelines issued in this regard by MoHFW will be strictly implemented by State/ UT Governments and the local district authorities.

4. **The following activities will continue to remain prohibited across the country, irrespective of the Zone, for a period of two weeks with effect from 4th May, 2020:**

i. All domestic and international air travel of passengers, except for medical services, air ambulance and for security purposes or for purposes as permitted by MHA.

ii. All passenger movement by trains, except for security purposes or for purposes as permitted by MHA.

iii. Inter-State Buses for public transport, except as permitted by MHA.

iv. Metro rail services.

v. Inter-State movement of individuals except for medical reasons or for activities as permitted by MHA.

vi. All schools, colleges, educational/ training/ coaching institutions etc. However, online/ distance learning shall be permitted.

vii. Hospitality services other than those used for housing health/ police/ Government officials/ healthcare workers, stranded persons including tourists, and those used for quarantine facilities.

viii. All cinema halls, shopping malls, gymnasiums, sports complexes, swimming pools, entertainment parks, theatres, bars and auditoriums, assembly halls and similar places.

ix. All social/ political/ sports/ entertainment/ academic/ cultural/ religious functions/ other gatherings.

x. All religious places/ places of worship shall be closed for public. Religious congregations are strictly prohibited.

5. **Measures for well being and safety of persons**

i. The movement of individuals, for all non-essential activities, shall remain strictly prohibited between 7 pm to 7 am. Local authorities shall issue orders under appropriate provisions of law, such as prohibitory orders [curfew] under Section 144 of CrPC, for this purpose, and ensure strict compliance.

ii. In all zones, persons above 65 years of age, persons with co-morbidities, pregnant women, and children below the age of 10 years, shall stay at home, except for meeting essential requirements and for health purposes, as per the National Directives.

iii. In Containment Zones, Out-Patient Departments (OPDs) and Medical clinics shall not be permitted to operate. However, these may be permitted to operate in Red, Orange and Green Zones, with social distancing norms and other safety precautions.

6. **Activities in Containment Zones**

i. Strict perimeter control.

ii. Establishment of clear entry and exit points.

iii. Movement of persons only for maintaining supply of goods and services; and for medical emergencies.

iv. No unchecked influx of people and transport.

v. Recording of details of people moving in and out of perimeter.

7. **Activities in Red Zones (Hotspots) [Outside Containment Zones]**

i. Apart from the prohibited activities mentioned at Para 4, the following activities shall **not** be permitted:

a. Cycle rickshaws and auto rickshaws.

b. Taxis and cab aggregators.

c. Intra-district and inter-district plying of buses.

d. Barber shops, spas and salons.

ii. The following activities shall be permitted with **restrictions** as specified:

a. Movement of individuals and vehicles, only for permitted activities. Four wheeler vehicles will have maximum two passengers besides the vehicle driver; for two wheelers, pillion rider is not allowed.

b. Industrial establishments in urban areas: Only Special Economic Zones (SEZs), Export Oriented Units (EOUs), industrial estates and industrial townships with access control; Manufacturing units of essential goods, including drugs, pharmaceuticals, medical devices, their raw material and intermediates; Production units, which require continuous process, and their supply chain; Manufacturing of IT hardware; Jute industry with staggered shifts and social distancing; and, Manufacturing units of packaging material are permitted.

All industrial activities are permitted in rural areas.

c. Construction activities in urban areas: Only in situ construction (where workers are available on site and no workers are required to be brought in from outside) and construction of renewable energy projects are permitted.

All construction activities are permitted in rural areas.

d. All malls, market complexes and markets shall remain closed in urban areas, i.e., areas within the limits of municipal corporations and municipalities. However, shops selling essential goods in markets and market complexes are permitted.

All standalone (single) shops, neighborhood (colony) shops and shops in residential complexes are permitted to remain open in urban areas, without any distinction of essential and non-essential.

All shops in rural areas, except in malls, are permitted to remain open, without any distinction of essential and non-essential.

Social distancing (*2 Gaz ki doori*) will be maintained in all cases.

e. E-commerce activities will be permitted only in respect of essential goods.

f. Private offices can operate with upto 33% strength as per requirement, with the remaining persons working from home.

g. All Government offices shall function with officers of the level of Deputy Secretary and above to the extent of 100% strength. The remaining staff will attend upto 33% as per requirement. However, Defense and Security services, Health and Family Welfare, Police, Prisons, Home Guards, Civil Defence, Fire and Emergency Services, Disaster management and related services, NIC, Customs, FCI, NCC, NYK and Municipal services shall function without any restrictions; delivery of public services shall be ensured and necessary staff will be deployed for such purpose.

8. **Activities in Orange Zones [Outside Containment Zones]**

i. Apart from the prohibited activities mentioned at Para 4, the following activities shall **not** be permitted:

a. Inter-district and intra-district plying of buses.

ii. The following activities shall be permitted with **restrictions** as are specified:

a. Taxis and cab aggregators, with 1 driver and 2 passengers only.

b. Inter-district movement of individuals and vehicles, only for permitted activities. Four wheeler vehicles will have maximum two passengers besides the driver.

9. **Activities in Green Zones**

i. All activities are permitted in Green Zones, except those activities that are prohibited under Para 4.

ii. Buses can operate with upto 50% seating capacity.

iii. Bus depots can operate with upto 50% capacity.

10. **All other activities will be permitted activities, which are not specifically prohibited/ permitted with restrictions in the various Zones, under these guidelines. However, States/ UTs, based on their assessment of the situation, and with the primary objective of keeping the spread of COVID-19 in check, may allow only select activities from out of the permitted activities, with such restrictions as felt necessary.**

11. All States/ UTs shall allow inter-state movement of goods/ cargo, including empty trucks.

12. No State/ UT shall stop the movement of cargo for cross land-border trade under Treaties with neighbouring countries.

13. No separate/ fresh permissions are required from authorities for activities already permitted to operate under the guidelines on Lockdown measures up to May 3, 2020. The following Standard Operating Protocols (SOPs) issued by MHA will continue to operate:

i. SOP on transit arrangement for foreign national(s) in India and release of quarantine persons, issued vide Order dated April 02, 2020.

ii. SOP on movement of stranded labour within States/ UTs, issued vide Order dated April 19, 2020.

iii. SOP on sign-on and sign-off of Indian seafarers, issued vide Order dated April 21, 2020.

iv. SOP on movement of stranded migrant workers, pilgrims, tourists, students and other persons, issued vide Order dated April 29, 2020.

v. SOP on movement of stranded migrant workers, pilgrims, tourists, students and other persons by train, issued vide Order dated May 01, 2020.

14. **Strict enforcement of the lockdown guidelines**

State/ UT Governments shall not dilute these guidelines issued under the Disaster Management Act, 2005, in any manner, and shall strictly enforce the same.

15. **Instructions for enforcement of above lockdown measures:**

i. All the district magistrates shall strictly enforce the above lockdown measures and the National Directives for COVID 19 Management, for public and work places, as specified in **Annexure I.**

ii. In order to implement these containment measures, the District Magistrate will deploy Executive Magistrates as Incident Commanders in the respective local jurisdictions. The Incident Commander will be responsible for the overall implementation of these measures in their respective jurisdictions. All other line department officials in the specified area will work under the directions of such Incident Commander. The Incident Commander will issue passes for enabling essential movements as explained.

iii. The Incident Commanders will in particular ensure that all efforts for mobilization of resources, workers and material for augmentation and expansion of hospital infrastructure shall continue without any hindrance.

16. **Penal provisions**

Any person violating these lockdown measures and the National Directives for COVID-19 Management will be liable to be proceeded against as per the provisions of Section 51 to 60 of the Disaster Management Act, 2005, besides legal action under Sec. 188 of the IPC, and other legal provisions as applicable. Extracts of these penal provisions are at **Annexure II**.

1/5/2020

Union Home Secretary

791

Annexure I

National Directives for COVID-19 Management

PUBLIC PLACES

1. Wearing of face cover is compulsory in all public places.
2. All persons in charge of public places and transport shall ensure social distancing as per the guidelines issued by Ministry of Health and Family Welfare.
3. No organization/ manager of public place shall allow gathering of 5 or more persons.
4. Marriages related gatherings shall ensure social distancing, and the maximum number of guests allowed shall not be more than 50.
5. Funeral/ last rites related gatherings shall ensure social distancing, and the maximum numbers allowed shall not be more than 20.
6. Spitting in public places shall be punishable with fine, as may be prescribed by the State/ UT local authority.
7. Consumption of liquor, *paan*, *gutka*, tobacco etc. in public places is not allowed.
8. Shops selling liquor, *paan*, *gutka*, tobacco etc. will ensure minimum six feet distance (*2 gaz ki doori*) from each other, and also ensure that not more than 5 persons are present at one time at the shop.

WORK PLACES

9. Wearing of face cover is compulsory in all work places and adequate stock of such face covers shall be made available.
10. All persons in charge of work places shall ensure social distancing as per the guidelines issued by Ministry of Health and Family Welfare, both within the work places and in company transport.
11. Social distancing at work places shall be ensured through adequate gaps between shifts, staggering the lunch breaks of staff, etc.
12. Provision for thermal scanning, hand wash and sanitizer preferably with touch free mechanism will be made at all entry and exit points and common areas. In addition, sufficient quantities of handwash and sanitizer shall be made available in the work places.
13. Frequent sanitization of entire workplace, common facilities and all points which come into human contact e.g. door handles etc., shall be ensured, including between shifts.
14. Persons above 65 years of age, persons with co-morbidities, pregnant women and children below the age of 10 years shall stay at home, except for meeting essential requirements and for health purposes.
15. Use of *Arogya Setu* app shall be made mandatory for all employees, both private and public. It shall be the responsibility of the Head of the respective Organizations to ensure 100% coverage of this app among the employees.
16. Large physical meetings to be avoided.
17. Hospitals/ clinics in the nearby areas, which are authorized to treat COVID-19 patients, should be identified and list should be available at work place all the times. Employees showing any symptom of COVID-19 should be immediately sent for check up to such facilities. Quarantine areas should be earmarked for isolating employees showing symptoms till they are safely moved to the medical facilities.

792

18. Arrangements for transport facilities shall be ensured with social distancing, wherever personal/ public transport is not feasible.
19. Intensive communication and training on good hygiene practices shall be taken up.

Annexure II

Offences and Penalties for Violation of Lockdown Measures

A. **Section 51 to 60 of the Disaster Management Act, 2005**

51. Punishment for obstruction, etc.—Whoever, without reasonable cause —

(a) obstructs any officer or employee of the Central Government or the State Government, or a person authorised by the National Authority or State Authority or District Authority in the discharge of his functions under this Act; or

(b) refuses to comply with any direction given by or on behalf of the Central Government or the State Government or the National Executive Committee or the State Executive Committee or the District Authority under this Act,

shall on conviction be punishable with imprisonment for a term which may extend to one year or with fine, or with both, and if such obstruction or refusal to comply with directions results in loss of lives or imminent danger thereof, shall on conviction be punishable with imprisonment for a term which may extend to two years.

52. Punishment for false claim.—Whoever knowingly makes a claim which he knows or has reason to believe to be false for obtaining any relief, assistance, repair, reconstruction or other benefits consequent to disaster from any officer of the Central Government, the State Government, the National Authority, the State Authority or the District Authority, shall, on conviction be punishable with imprisonment for a term which may extend to two years, and also with fine.

53. Punishment for misappropriation of money or materials, etc.—Whoever, being entrusted with any money or materials, or otherwise being, in custody of, or dominion over, any money or goods, meant for providing relief in any threatening disaster situation or disaster, misappropriates or appropriates for his own use or disposes of such money or materials or any part thereof or wilfully compels any other person so to do, shall on conviction be punishable with imprisonment for a term which may extend to two years, and also with fine.

54. Punishment for false warning.—Whoever makes or circulates a false alarm or warning as to disaster or its severity or magnitude, leading to panic, shall on conviction, be punishable with imprisonment which may extend to one year or with fine.

55. Offences by Departments of the Government.—(1) Where an offence under this Act has been committed by any Department of the Government, the head of the Department shall be deemed to be guilty of the offence and shall be liable to be proceeded against and punished accordingly unless he proves that the offence was committed without his knowledge or that he exercised all due diligence to prevent the commission of such offence.

(2) Notwithstanding anything contained in sub-section (1), where an offence under this Act has been committed by a Department of the Government and it is proved that the offence has been committed with the consent or connivance of, or is attributable to any neglect on the part of, any officer, other than the head of the Department, such officer shall be deemed to

be guilty of that offence and shall be liable to be proceeded against and punished accordingly.

56. Failure of officer in duty or his connivance at the contravention of the provisions of this Act.—Any officer, on whom any duty has been imposed by or under this Act and who ceases or refuses to perform or withdraws himself from the duties of his office shall, unless he has obtained the express written permission of his official superior or has other lawful excuse for so doing, be punishable with imprisonment for a term which may extend to one year or with fine.

57. Penalty for contravention of any order regarding requisitioning.—If any person contravenes any order made under section 65, he shall be punishable with imprisonment for a term which may extend to one year or with fine or with both.

58. Offence by companies.—(1) Where an offence under this Act has been committed by a company or body corporate, every person who at the time the offence was committed, was in charge of, and was responsible to, the company, for the conduct of the business of the company, as well as the company, shall be deemed to be guilty of the contravention and shall be liable to be proceeded against and punished accordingly:

Provided that nothing in this sub-section shall render any such person liable to any punishment provided in this Act, if he proves that the offence was committed without his knowledge or that he exercised due diligence to prevent the commission of such offence.

(2) Notwithstanding anything contained in sub-section (1), where an offence under this Act has been committed by a company, and it is proved that the offence was committed with the consent or connivance of or is attributable to any neglect on the part of any director, manager, secretary or other officer of the company, such director, manager, secretary or other officer shall also, be deemed to be guilty of that offence and shall be liable to be proceeded against and punished accordingly.

Explanation.—For the purpose of this section—

i. "company" means any body corporate and includes a firm or other association of individuals; and

ii. "director", in relation to a firm, means a partner in the firm.

59. Previous sanction for prosecution.—No prosecution for offences punishable under sections 55 and 56 shall be instituted except with the previous sanction of the Central Government or the State Government, as the case may be, or of any officer authorised in this behalf, by general or special order, by such Government.

60. Cognizance of offences.—No court shall take cognizance of an offence under this Act except on a complaint made by—

(a) the National Authority, the State Authority, the Central Government, the State Government, the District Authority or any other authority or officer authorised in this behalf by that Authority or Government, as the case may be; or

(b) any person who has given notice of not less than thirty days in the manner prescribed, of the alleged offence and his intention to make a complaint to the National Authority, the State Authority, the Central Government, the State Government, the District Authority or any other authority or officer authorised as aforesaid.

B. **Section 188 in the Indian Penal Code, 1860**

188. Disobedience to order duly promulgated by public servant.—Whoever, knowing that, by an order promulgated by a public servant lawfully empowered to promulgate such order, he is directed to abstain from a certain act, or to take certain order with certain property in his possession or under his management, disobeys such direction, shall, if such disobedience causes or tends to cause obstruction, annoyance or injury, or risk of obstruction, annoyance or injury, to any person lawfully employed, be punished with simple imprisonment for a term which may extend to one month or with fine which may extend to two hundred rupees, or with both; and if such disobedience causes or trends to cause danger to human life, health or safety, or causes or tends to cause a riot or affray, shall be punished with imprisonment of either description for a term which may extend to six months, or with fine which may extend to one thousand rupees, or with both.

Explanation.—It is not necessary that the offender should intend to produce harm, or contemplate his disobedience as likely to produce harm. It is sufficient that he knows of the order which he disobeys, and that his disobedience produces, or is likely to produce, harm.

Illustration

An order is promulgated by a public servant lawfully empowered to promulgate such order, directing that a religious procession shall not pass down a certain street. A knowingly disobeys the order, and thereby causes danger of riot. A has committed the offence defined in this section.

***

13th February, 2021

Government of India
Ministry of Health & Family Welfare

SOP on preventive measures to contain spread of COVID-19 in offices

1. Background

Offices and other workplaces are relatively close settings, with shared spaces like workstations, corridors, elevators & stairs, parking places, cafeteria/canteens, meeting rooms and conference halls etc. and COVID-19 infection can spread relatively fast among officials, staffs and visitors.

There is a need to prevent spread of infection and to respond in a timely and effective manner in case suspect case of COVID-19 is detected in these settings, so as to limit the spread of infection.

2. Scope

This document outlines the preventive and response measures to be observed to contain the spread of COVID-19 in office settings. The document is divided into the following sub- sections

i. Generic preventive measures to be followed at all times
ii. Measures specific to offices
iii. Measures to be taken on occurrence of case(s)
iv. Disinfection procedures to be implemented in case of occurrence of suspect/confirmed case.

Offices in containment zones shall remain closed except for medical & essential services. Only those outside containment zones will be allowed to open up.

3. Generic preventive measures

The generic preventive measures include simple public health measures that are to be followed to reduce the risk of infection with COVID-19. These measures need to be observed by all (employees and visitors) at all times. These include:

i. Individuals must maintain a minimum distance of 6 feet (2 *gaj ki doori*) in common places as far as feasible.
ii. Use of face covers/masks at all times. They must be worn properly to cover nose and mouth. Touching the front portion of mask/face covers to be avoided.
iii. Practice frequent hand washing with soap (for at least 40-60 seconds) even when hands are not visibly dirty. Use of alcohol-based hand sanitizers (for at least 20 seconds) can be

6.7)

iv. Respiratory etiquettes to be strictly followed. This involves strict practice of covering one's mouth and nose while coughing/sneezing with a tissue/handkerchief/flexed elbow and disposing off used tissues properly.
v. Self-monitoring of health by all and reporting any illness at the earliest to the immediate supervisory officer.
vi. Spitting shall be strictly prohibited.
vii. Installation & use of Aarogya Setu App by all employees.

4. Specific preventive measures for offices:

i. Entrance to have mandatory hand hygiene (sanitizer dispenser) and thermal screening provisions.
ii. Only asymptomatic staff/visitors shall be allowed entry.
iii. Any officer and staff residing in containment zone should inform the same to supervisory officer and not attend the office till containment zone is denotified. Such staff should be permitted to work from home.
iv. Drivers shall maintain physical distancing at all times particularly within rooms/ spaces designated for drivers. They shall follow required do's and don'ts related to COVID-19. It shall be ensured by the service providers/ officers/ staff that drivers residing in containment zones shall not be allowed to drive vehicles.
v. There shall be provision for disinfection at-least twice a day of the interior of the vehicle using 1% sodium hypochlorite solution/spray. A proper disinfection of frequently touched surfaces i.e. steering, door handles, keys, etc. should be taken up.
vi. Advise all employees who are at higher risk i.e. older employees, pregnant employees and employees who have underlying medical conditions, to take extra precautions. They should preferably not be exposed to any front-line work requiring direct contact with the public.
vii. All officers and staff / visitors to be allowed entry only if using face cover/masks. The face cover/mask has to be worn at all times inside the office premises.
viii. Visitors with proper permission of the officer who they want to meet, should be allowed after being properly screened.
ix. Meetings, as far as feasible, should be done through video conferencing.
x. Posters/standees/AV media on preventive measures about COVID-19 to be displayed prominently.
xi. Proper crowd management in the parking lots and outside the premises – duly following physical distancing norms be ensured.
xii. Valet parking, if available, shall be operational with operating staff wearing face covers/ masks and gloves as appropriate. A proper disinfection of steering, door handles, keys, etc. of vehicles should be taken up.
xiii. Any shops, stalls, cafeteria/canteen etc., outside and within the office premises shall follow physical distancing norms at all times.

xiv. Specific markings may be made with sufficient distance to manage the queue and ensure physical distancing in the premises.

xv. Proper cleaning and frequent sanitization (at-least twice a day) of the workplace, particularly of the frequently touched surfaces must be ensured.

xvi. Ensure regular supply of hand sanitizers, soap and running water in the washrooms.

xvii. Number of people in the elevators shall be restricted, duly maintaining physical distancing norms for which purpose proper marking be made on the floor of the elevators.

xviii. For air-conditioning/ventilation, the guidelines of CPWD shall be followed which mentions that the temperature setting of all air conditioning devices should be in the range of 24-30° C, relative humidity should be in the range of 40- 70%, intake of fresh air should be as much as possible and cross ventilation should be adequate.

xix. Large physical gatherings continue to remain prohibited.

xx. Effective and frequent sanitation within the premises shall be maintained with particular focus on lavatories, drinking and hand washing stations/areas.

xxi. Cleaning and regular disinfection (using 1% sodium hypochlorite) of frequently touched surfaces (doorknobs, elevator buttons, handrails, benches, washroom fixtures, etc.) shall be done in office premises and in common areas at-least twice a day.

xxii. Proper disposal of face covers / masks / gloves left over by visitors and/or employees in covered bins, shall be ensured.

xxiii. In the cafeteria/canteen/dining halls:

a. Mandatory placement of hand sanitizers at the entrance to ensure personal hygiene.
b. Staff to take their temperature regularly and check for respiratory symptoms. They must see a doctor if feeling unwell or having flu-like symptoms.
c. Adequate crowd and queue management to be done to ensure physical distancing norms for which purpose markings be made on the floor of cafeteria/canteen/dining halls.
d. Staff / waiters to wear mask and hand gloves and take other required precautionary measures.
e. The seating arrangement to ensure a distance of at least 6 feet between patrons as far as feasible.
f. In the kitchen, the staff to follow physical distancing norms.

5. Measures to be taken on occurrence of case(s):

Despite taking the above measures, the occurrence of cases among the employees working in the office cannot be ruled out. The following measures will be taken in such circumstances, when one or few people(s) who share a room/close office space is/are found to be suffering from symptoms suggestive of COVID-19:

a. Place the ill person in a room or area where they are isolated from others at the workplace. Provide a mask/face cover till such time he/she is examined by a doctor.

b. Immediately inform the nearest medical facility (hospital/clinic) or call the state or district helpline.

c. A risk assessment will be undertaken by the designated public health authority (district RRT/treating physician) and accordingly further advice shall be made regarding management of case, his/her contacts and need for disinfection.

d. The management of cases and contacts will be done as per the existing protocol (https://www.mohfw.gov.in/pdf/FinalGuidanceonMangaementofCovidcasesversion2.pdf and https://ncdc.gov.in/showfile.php?lid=570).

6. Management of premises

i. If there are one or two cases reported, the disinfection procedure will be limited to places/areas occupied and visited by the patient in past 48 hours and work can be resumed after disinfection as per laid down protocol.

ii. In case of larger number of cases are being reported at the workplace, the whole block or building, as the case may be, should be disinfected.

Annexure -24

(24)

40-3/2020-DM-I(A)
Government of India
Ministry of Home Affairs

North Block, New Delhi
Dated 22nd April, 2021

ORDER

Whereas, an Order bearing No. 40-3/2020- DM-I(A) dated 23.03.2021, alongwith guidelines for effective control of COVID-19 have been issued under section 10(2)(l) of the Disaster Management Act, 2005 (*hereinafter referred to as the DM Act*) wherein, inter alia, it is mandated that there shall be no restriction on inter-State and intra-State movement of persons and goods;

And whereas, due to rapid rise in COVID-19 cases and with increasing case positivity rate, various States/UTs have imposed some additional restrictions on certain activities and weekend lockdowns/curfews etc. to break the chain of transmission and to contain the spread of Covid-19;

And whereas, the availability of adequate and uninterrupted supply of Medical Oxygen is an important pre-requisite for managing moderate and severe cases of COVID-19 and with the increasing cases, the medical oxygen supply will need to keep pace with the requirements of the States/ UTs;

And whereas, medical oxygen is an essential public health commodity and any impediment in the supplies of Medical Oxygen in the country may critically impact the management of patients suffering from COVID-19 disease in other parts of the country;

And whereas, Empowered Group-II (EG-II), is mandated for coordinating medical logistics, including medical oxygen. EG-II has reviewed the supply of oxygen for industrial use in order to divert the same to meet the rising demand for medical oxygen in the country and save precious lives. Accordingly, EG II has recommended to prohibit the supply of Oxygen for industrial purposes by manufacturers and suppliers forthwith from 22.04.2021 till further orders, with the exception of nine specified industries. The recommendations of the EG-II have been accepted by the Central Government and the said decision, alongwith the list of nine exempted industries, have been conveyed by Secretary, Ministry of Health & Family Welfare, vide his DO letter dated 18th April 2021 (**Annexure-I**).

And whereas, keeping in view the requisitions of Medial oxygen and to ensure smooth supplies of it to the States/ UTs concerned, EG-II, in consultations with the States/UTs and oxygen manufactures etc., prepares supply plan, which is required to be followed by all States, UTs and all the agencies concerned. The oxygen supply plans, as revised from time to time by EG-II based on the assessment of the situation, are circulated by MoHFW to all the States/UTs concerned, and the last revised plan has been circulated vide MoHFW letter dated 21.04.2021 (**Annexure II**);

22/04/2021

Now, therefore, to ensure the uninterrupted supply of medical oxygen across the country for management of COVID-19 patients, in exercise of powers conferred under section 10(2)(l) of the DM Act, the undersigned, in the capacity as Chairperson, National Executive Committee, hereby directs the State/Union Territory Governments and State/ Union Territory Authorities to ensure the following measures within their areas of jurisdiction:

(i) No restriction shall be imposed on the movement of Medical Oxygen between the States and transport authorities shall be instructed to accordingly allow free inter-state movement of oxygen carrying vehicles;

(ii) No restrictions shall be imposed on oxygen manufacturers and suppliers to limit the oxygen supplies only to the hospitals of the State/ UT in which they are located;

(iii) There shall be free movement of oxygen carrying vehicles into the cities, without any restriction of timings, while also enabling inter-city supply without any restriction;

(iv) No authority shall attach the oxygen carrying vehicles passing through the district or areas for making supplies specific to any particular district(s) or area;

(v) Supply of oxygen for industrial purposes, except those exempted by the Government, is prohibited w.e.f. 22nd April, 2021 and till further orders;

(vi) States/UTs shall strictly abide by the supply plan of medical oxygen prepared by EG-II and as revised from time-to-time;

(vii) The District Magistrates/ Deputy Commissioners and Senior Superintendents of Police/ Superintendents of Police/ Deputy Commissioners of Police will be personally liable for implementation of the above directions.

22/04/2021

Union Home Secretary

and, Chairman, National Executive Committee (NEC)

To,

1. Secretaries of Ministries/Department of Government of India
2. Chief Secretaries/Administrators of States/Union Territories

(As per list attached)

Copy to:

i. All members of the national Executive Committee

ii. Member Secretary, National Disaster Management Authority

ANNEXURE-I

राजेश भूषण, आईएएस
सचिव

RAJESH BHUSHAN, IAS
SECRETARY

सत्यमेव जयते

भारत सरकार
स्वास्थ्य एवं परिवार कल्याण विभाग
स्वास्थ्य एवं परिवार कल्याण मंत्रालय
Government of India
Department of Health and Family Welfare
Ministry of Health and Family Welfare
D.O. No.17/S(HFW)/MO/2021
18th April 2021

The Empowered Group-II (EG-II) headed by Secretary, Department for Promotion of Industry & Internal Trade (DPIIT) is mandated by Govt. of India to manage requisite supplies of medical equipments, drugs including medical oxygen across the country in the wake of resurgence of COVID-19 cases. Medical oxygen is one life saving drug, whose supplies are being regularly monitored and managed by this Group.

2. There has been a significant surge in the demand for medical oxygen. Department for Promotion of Industry and Internal Trade (DPIIT) has conveyed that this has already reached about 60 percent of the total daily Oxygen production, and is expected to rise further.

3. While every effort is being made to meet the rising demand for medical oxygen, including augmenting daily production and stocks and States/UTs are taking appropriate steps for optimum and rationalized utilisation of available stock of oxygen, the present trend necessitates additional measures. The matter has been deliberated by the DPIIT with all the stakeholders and after due deliberations, it has been considered prudent to restrict industrial usage of oxygen to meet the rising demand for medical oxygen.

4. Accordingly, the EG-II has recommended that the supply of Oxygen for industrial purposes by manufacturers and suppliers be prohibited forthwith from 22.04.2021 till further orders. This recommendation has been accepted & the said prohibition on supply would come into effect from 22/04/2021.

5. The aforesaid prohibition, however, shall not apply to the supply of oxygen for the industries listed hereunder:

i) Ampoules & Vials
ii) Pharmaceutical
iii) Petroleum refineries
iv) Steel plants
v) Nuclear energy facilities
vi) Oxygen cylinder manufacturers
vii) Waste water treatment plants
viii) Food & water purification
ix) Process industries which require uninterrupted operation of furnaces, processes, etc. as approved by respective State governments

6. The industrial units (other than those listed above) which would not be in a position to obtain oxygen are advised to consider alternate measures such as import of Oxygen or setting up their own Air Separator Units (ASU) for generation of Oxygen for their captive requirements.

.....contd/-

7. All Chief Secretaries are advised to ensure effective implementation & compliance of this Order.

Yours sincerely

(Rajesh Bhushan)

Chief Secretary /Administrator
All States/UTs

Copy to : **Principal Secretary to PM** for information

(Rajesh Bhushan)

Copy to : **Cabinet Secretary** for information

(Rajesh Bhushan)

Copy to : **Home Secretary** with the request to issue appropriate directions to States / UTs to facilitate effective implementation of the above Order.

. (Rajesh Bhushan)

ANNEXURE-II

सत्यमेव जयते

भारत सरकार
स्वास्थ्य एवं परिवार कल्याण मंत्रालय
निर्माण भवन

GOVERNMENT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE
NIRMAN BHAVAN

निपुण विनायक, भा.प्र.से.
संयुक्त सचिव
NIPUN VINAYAK, IAS
Joint Secretary

D. No:17/S(HFW)MO/2021
Dated:21st April, 2021

Dear Madam/Sir,

In continuation of the orders issued on 15th April and 18th April 2021 regarding supply plan for medical oxygen, an updated Order as below is being issued for the States of Maharashtra, Gujarat, Karnataka, Madhya Pradesh, Delhi, Haryana, Uttar Pradesh, Punjab, Tamil Nadu, Kerala, Chhattisgarh, Rajasthan, Telangana, Andhra Pradesh, Uttrakhand, Jammu and Kashmir, Goa, Chandigarh and Himachal Pradesh.

This is keeping in view increased demands from the States on quantity of Oxygen supply and its source. The supply plan has been done as recommended by the DPIIT in consultation with States, Oxygen manufacturers, AIIGMA and Steel Ministry under the overall guidance of the Empowered Group-II.

Yours Sincerely,

Nipun Vinayak

(Nipun Vinayak)

Addl. Chief Secretary/ Principal Secretary/ Secretary (Health)
Maharashtra, Gujarat, Karnataka, Madhya Pradesh, Delhi, Haryana, Uttar Pradesh, Punjab, Tamil Nadu, Kerala, Chhattisgarh, Rajasthan, Telangana, Andhra Pradesh, Uttrakhand, J&K, Goa, Chandigarh and Himachal Pradesh.

	Demand for 20.04.2021 onwards	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
State	Manufacturer Name, Location	MH	GJ	KR	MP	DL	HR	UP	PB	TN	KL	CG	RJ	TL	AP	UK	J&K	Goa	CH	HP
		1500	1000	300	445	700	180	800	126	200	89	215	205	360	440	103	12	11	20	15
AP	Liquinox Gases Pvt Ltd																			
AP	Ellenbarrie Industrial Gases Ltd														60					
AP	RINL Vishakhapatnam Steel Plant														40					
AS	Premier Cryogenics, Nagaon	97												100						
CG	Jindal Steel & Power Ltd Raigarh																			
CG	LINDE SAIL-Bhilai										12									
CG	SAIL Bhilai Captive plant	60		80							118									
GJ	Shree Ram Oxy Gases			40																
GJ	Reliance Industries Ltd, Jamnagar		105																	
GJ	Air Liquide, Jhagadia	125	400	60																
GJ	Inox Karjan		69																	
GJ	Inox Hazira		80	40																
GJ	Inox Simej		104	40																
GJ	LINDE Dahej		109	40																
			60																	

| | | |

| | | |

PY	National Oxygen Ltd																							
PY	Inox Puducherry																							
	Ellenbarrie																							
TL	Industrial Gases Ltd																							
TL	Inox Hyderabad																							
	Goyal MG																							
UP	Gases, Ghaziabad																							
UP	Inox Surajpur																							
UP	Inox Modi Nagar																							
	India Glycols																							
UK	Limited Kashipur																							
	Uttarakhand																							
UK	LINDE Selaqui																							
UK	Air Liquide Roorkee																							
WB	Goyal MG Gases, Durgapur																							
WB	Ellenbarrie Industrial Gases Ltd																							
WB	Inox Barjora																							
WB	LINDE Haldia																							
WB	LINDE SAIL- DGP																							
WB	SAIL Durgapur																							
WB	SAIL Burnpur																							
	MSME ASU																							
	Total Allocation	1661	975	300	543	480	162	753	136	220	99	227	205	360	440	103	12	11	20	15				
		MH	GJ	KR	MP	DL	HR	UP	PB	TN	KL	CG	RJ	TL	AP	UK	J&K	Goa	CH	HP				
		64	48		60	0	10	93	32				125	25	12	27								
								40																
								20																
						30																		

Annexure-D

1700 - 209.18 wc 17,473.50

05-11.86

l Manager
arrage Project - Farakka

er charges for consumptive use of FSTPP

Your No.Genl/W$_1$-25/NTPC(IV)/1831 dt. 7.3.86
Minutes of meeting held on 25.10.86 between FSTPP/NTPC and FBP Authority

,

e of water charges i.e. Rs. 5.50/- per 5000cft has already been y the Ministry of Irrigation & Power. But we intend to avoid easurements of quantity of consumption of water to avoid s and other complications in such measurements. As already ed we propose to fix some lump sump rates per 200 MW unit/ based on the theoretical water losses at 63% PLF as indicated which may be acceptable to you.

Water charges per 200 MW unit per month based on 63% PLF

670

Losses :

iler Feed water @3% of 700 T/hr	= 21 MT/H	20 MT/H
oling water @1% of 15 x 200 T/hr	= 300 MT/H	30 MT/H
sh disposal @ 700 T/hr	= 700 MT/H	700 MT/H
	1021 MT/H	750 MT/H

l water losses considering 30 days overhauling period during a and 35 days shut down period during a year :

= 1021 x 24 x (365-65)
= 1021 x 24 x 300 MT = 7351200 M^3

el water charges = $1021 \times 24 \times 300 \times \frac{35.3}{5000} \times 5.5$ = Rs. 2,85,447/-

Monthly charges per 200 MW will be = $\frac{Rs.2,85,447/-}{12}$ = Rs.23,787/-

are requested to please look into it and communicete your early proval so that we may deposit fund accordingly.

r 500 ME unit, rate may fix in a same manner at a subsequent date.

nking you,

urs faithfully,
Sd/-
K. RADHAKRISHNAN)
NERAL MANAGER/FSTPP/NTPC

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ANNEXURE 'A'

R CONSUMPTION FOR AN THERMAL POWER PROJECT

Water @ 3% of 1675 T/hr = 50.25 T/hr ≈ 50T/hr
make-up)

er @ 1% of 2x31500 Mt/hr = 630 T/hr
onsumption = (1700 + 1300) = 3000 m3/hr
≈ 3000 T/hr

consumption = (1) + (2) + (3)
= 50 + 630 + 3000
= 3680 T/hr

consumption = 300 x 24 x 3680
operation) = 26496000 T

charges = $\frac{26496000 \times 5.5}{5000} \times 35.3$
per

= Rs. 1028839.68

month = Rs. 85736.64

10 003 Tele : 380100 (10 Lines) Telex : 031-74145 (OLD),
STREET, 3rd FLOOR, CALCUTTA-700 071 74159
54/56 Telex : 021-2132 74195

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भारत सरकार
जल संसाधन मंत्रालय
महाप्रबन्धक का कार्यालय
फरक्का बाँध परियोजना
पो० भगवानगोला (मुर्शिदाबाद)

GOVT. OF INDIA
MINISTRY OF WATER RESOURCES
OFFICE OF THE GENERAL MANAGER
FARAKKA BARRAGE PROJECT
P.O.: FARAKKA BARRAGE, DIST.: MURSHIDABAD
WEST BENGAL, PIN - 742 212
PHONE : 03485-253044
FAX : 03485-253008 / 253293

No. Genl/Works/W-25/ (NTPC)/ 596 (5)(We)

Dated: 16-02-2012

To
The General Manager
Farakka Super Thermal Power Station
National Thermal Power Corporation Ltd.,
Farakka,
P.O. Nabarun
Dist- Murshidabad (WB)
PIN- 742236

Subject: Revision of water charges for consumptive use of water by N.T.P.C, F.S.T.P.P., Farakka.

Sir,

Kindly refer to this office letter No. Genl/Works/W-25(NTPC)/Vol-VII/2423(WE) dated 25.08.2011 on the subject mentioned above.

In this context it is to inform you that Ministry of Water Resources has concurred the proposal for increasing the raw water charges being levied to NTPC, FSTPP, Farakka from present rate of Rs. 5.50 per 5000 Cft. to Rs. 5.20 per 1000 gallons vide MoWR U.O.No. 10/12/2003-Ganga/FBP dated 30.01.2012 (Copy enclosed). The revised rate of water charges will be effecting from 01.02.2012.

This is for your information please.

Enclo: As stated above.

Yours faithfully,
15/2/2012
(A.K. Sinha)
General Manager
Farakka Barrage Project

Copy to:-

1) The Sr. Jt. Commissioner-I (Ganga), Ministry of Water Resources, 11th Block, 8th Floor, C.G.O. Complex, Lodi Road, New Delhi- 110003 with reference to MoWR U.O.No.10/12/2003-Ganga/FBP dated 30.01.2012.

15/2/12

General Manager
Farakka Barrage Project

2) The Sr. Accounts Officer, Pay & Accounts Office, Farakka Barrage Project
3) The Superintending Engineer, Circle No.II, Farakka Barrage Project
4) The Executive Engineer, Feeder Canal Division, Farakka Barrage Project

Copy: REGISTRY / Dir (Opty) } for kind information.

25/2

27/2/2012

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N.T.P.C. Ltd., with reference to General Manager, F.B.Project office letter No. Genl/Works/W-25/(NTPC)/596(5)(we) dated 16.02.2012.

Government of India
Ministry of Water Resources
Ganga Wing
*****

11th Block, 8th Floor,
CGO Complex, Lodi Road,
New Delhi-110003.

Subject: Revision of water charges for consumptive use of water by N.T.P.C., FSTPP, Farakka.

Please refer to your letter dated 30.12.2011, vide which it has been opined that the raw water charges, as being levied by the DVC for non-agricultural purposes may be considered for revision of raw water charges being supplied to the NTPC, FSTPP for cooling purpose with prospective date. The case has been examined in this wing and sent to IFD, MOWR for their concurrence.

In the context, IFD, MOWR has concurred the proposal for increasing the raw water charges, being levied to NTPC, FSTPP, Farakka from present rate of Rs. 5.50 per 5000 Cft. to Rs. 5.20 per 1000 gallons for cooling purpose with prospective date provided it's at par with levies of other PSUs. IFD, MOWR has also advised that it is an administrative decision to be taken by FBP, any area of dispute may be referred to IFD for advice.

(T.S. Mehra)
Sr. Jt. Commissioner-I (Ganga)

General Manager, Farakka Barrage Project, P.O. Farakka, Distt.- Murshidabad, West Bengal.

U.O. No. 10/12/2003-Ganga/FBP /418-21 Dated 30.01.2012.

Copy for kind information to:

(1) PPS to secretary (WR).
(2) PS to Additional Secretary (WR).
(3) JS & FA, MOWR, Shram Shakti Bhawan, New Delhi.

(T.S. Mehra)
Sr. Jt. Commissioner-I (Ganga)

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भारत सरकार
जल संसाधन, नदी विकास एवं
गंगा संरक्षण मंत्रालय
महा प्रबंधक का कार्यालय,
फरक्का बैराज परियोजना
पो.–फरक्का बैराज, जिला–मुर्शिदाबाद,
पश्चिम बंगाल, पिन–७४२२३६
फोन–(०३४८४) २५३६४४
फैक्स–(०३४८४) २५३६०८ / २५३२९३

GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION
OFFICE OF THE GENERAL MANAGER
FARAKKA BARRAGE PROJECT
P.O. – FARAKKA BARRAGE,
DIST. – MURSHIDABAD,
WEST BENGAL, PIN – 742212
TEL : (03485) 253644
FAX : (03485) 253608 / 253293

No. Genl/Works/W-25(N.T.P.C.)/Vol-VI/ 616(We) Dated 25 /02/2019

To
The Deputy General Manager
(O&M) EEMG
F.S.T.P.P. / N.T.P.C., Farakka,
P.O. – Nabarun,
Dist – Murshidabad
West Bengal
Pin – 742236.

Sub : Water Charges payable to Farakka Barrage Project for consumptive use by FSTPP/NTPC, Farakka for the period from October 2018 to December 2018-Revised.

Ref : 1. Yours letter No. FS: 42: O&M: EEMG: Dated 04.01.2019
2. This office letter no. Genl/Works/W-25(N.T.P.C.)/Vol-VI/293(we) dtd 25.01.2019
3. MoWR, RD & GR's letter no Z-15013/5/2018-FM/183/184 dtd. 21.01.2019
4. This office letter no. Genl/Works/W-25(N.T.P.C.)/Vol-VI/456(we) dtd 08.02.2019

Sir,

Kindly refer to the letter reference no. 2., vide which water charges for FSTPP/NTPC Farakka of Rs 2,60,36,561/- (Rupees Two Crore Sixty Lakh Thirty Six Thousand Five Hundred Sixty One) only for unit No. I, II, III (200 M.W) and Unit No. IV, V, VI (500 M.W.), has already been submitted to your office.

Now , the rates has been enhanced by IFD, Ministry of Water Resources, RD & GR vide reference no. 3

So, as per the enhanced rate, total amount of water charges comes to Rs **10,88,28,860/- (Rupees Ten Crore Eighty Eight Lakh Tweenty Eight Thousand Eight Hundred Sixty)** only for unit No. I, II, III (200 M.W) and Unit No. IV, V, VI (500 M.W.),

Please arrange to remit the revised amount as stated to the General Manager, Farakka Barrage Project by Cheque or Demand Draft drawn in State Bank of India, Farakka in favour of Sr. Accounts Officer, Pay & Accounts Office, Farakka Barrage Project at an early date.

Yours faithfully
25/2/19
(Pradip Kumar Biswas)
Executive Engineer-II
Farakka Barrage Project.

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I/24122/2019



No. Z-15013/5/2018-FM/
Government of India
Ministry of Water Resources, RD & GR
(Flood Management Wing)
*****

11th Block, 8th Floor, CGO Complex,
Lodhi Road, New Delhi- 110 003.
Dated : 21January, 2019

ORDER

Subject: Revision of water charges being recovered by FBP from NTPC, FSTPP, Farakka.

Kindly refer your letter No. Gen/Works/W-25(N.T.P.C.)/Vol-VI/ 3242(wc) dated 15.11.2018 seeking approval of the competent authority on the revision of water charges being recovered by FBP from NTPC, FSTPP, Farakka.

In this context, in supersession of this Ministry's U.O. No. 10/12/2003-Ganga/FBP/418-21 dated 30.01.2012, the undersigned is directed to convey the approval of competent authority of this Ministry to revise the water charges being recovered by Farakka Barrage Project from N.T.P.C, F.S.T.P.P., Farakka for cooling purpose as tabulated below:

S.No.	Mode of use	Present rate	Revised rate
1.	Beyond 10 MGD	Rs 5.20 per 1000 gallon	Rs 5.50 per kilo litre (1000 gallon = 3.785 kilo litre) **Hence revised rate shall be Rs 20.82 per 1000 gallon.**
2.	Below 10 MGD	Presently not applicable	Rs 5.00 per kilo litre **Hence revised rate shall be Rs 18.92 per 1000 gallon.**

This issues with the concurrence of IFD, Ministry of Water Resources, RD & GR vide Dy. No.543/IFD/2018-19 dated 15th January, 2019.

21/1/2019

(R.R.Sambharia)
Sr. Jt. Commissioner-I (FM)
Tel: 011-24362160

To,
General Manager,
Farakka Barrage Project,
P.O. Farakka, Murshidabad,
West Bengal.

Copy for kind information to:
(i) PPS to Secretary (WR, RD & GR), Shram Shakti Bhawan, New Delhi
(ii) Member (D&R), CWC & Chairman, TAC-FBP, Sewa Bhavan, New Delhi.
(iii) JS & FA, MoWR, RD & GR, Shram Shakti Bhawan, New Delhi

SE(C). Pl.
SE(C-I) pl.

E.E.-II (Please give reply to S.E. (C-I)

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I/24122/2019



No. Z-15013/5/2018-FM/
Government of India
Ministry of Water Resources, RD & GR
(Flood Management Wing)
*****

11th Block, 8th Floor, CGO Complex,
Lodhi Road, New Delhi- 110 003.
Dated : 21January, 2019

ORDER

Subject: Revision of water charges being recovered by FBP from NTPC, FSTPP, Farakka.

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1.	Beyond 10 MGD	Rs 5.20 per 1000 gallon	Rs 5.50 per kilo litre (1000 gallon = 3.785 kilo litre) **Hence revised rate shall be Rs 20.82 per 1000 gallon.**
2.	Below 10 MGD	Presently not applicable	Rs 5.00 per kilo litre **Hence revised rate shall be Rs 18.92 per 1000 gallon.**

This issues with the concurrence of IFD, Ministry of Water Resources, RD & GR vide Dy. No.543/IFD/2018-19 dated 15th January, 2019.

21/1/2019

(R.R.Sambharia)
Sr. Jt. Commissioner-I (FM)
Tel: 011-24362160

To,
General Manager,
Farakka Barrage Project,
P.O. Farakka, Murshidabad,
West Bengal.

Copy for kind information to:
(i) PPS to Secretary (WR, RD & GR), Shram Shakti Bhawan, New Delhi
(ii) Member (D&R), CWC & Chairman, TAC-FBP, Sewa Bhavan, New Delhi.
(iii) JS & FA, MoWR, RD & GR, Shram Shakti Bhawan, New Delhi

SE(C). for SE(C-I) n/a.

E.E-II (Please give a copy to S.E. (C-I)

136

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F.No.Z-15013/5/2018-FM Section
Government of India
Ministry of Jal Shakti
Department of Water Resources, RD&GR
(Flood Management Wing)
*****

11th Block, 8th Floor,
CGO Complex, Lodhi Road,
New Delhi-110003.
Dated: 10th January, 2023

ORDER

Subject: Revision of water charges being recovered by FBP from NTPC (FSTPP, Farakka).

This has reference to FBP letter No. Genl/Works/W-25(NTPC)/Vol- VII/6681-82 dated 29.11.2022 seeking approval of the competent authority on the revision of water charges being recovered by FBP from NTPC in respect of Farakka Super Thermal Power Project (FSTPP) at Farakka.

In this context, in supersession of this Department's Order No. Z-15013/5/2018-FM dated 21st January, 2019, the undersigned is directed to convey the approval of competent authority of this Department to revise the water charges being recovered by Farakka Barrage Project from N.T.P.C in r/o F.S.T.P.P., Farakka for cooling purpose as under:

From January,2022 to March, 2022	Rs 7.97 per Kilo Litre
For Financial Year 2022-23	Rs 8.39 per Kilo Litre

(an annual increment of 7.5% in raw water user charges w.e.f FY 23-24)

This issues with the concurrence of IFD, DoWR,RD&GR vide Dy. No. 899/IFD/2022-23 dated 22.12.2022.

10/1/2023

(R. R. Sambharia)
Sr. Jt. Commissioner-I (FM)
Tel: 011-24362160
sjcer1-mowr@nic.in

To
General Manager,
Farakka Barrage Project,
P.O.-Farakka Barrage,
Distt.- Murshidabad,
West Bengal-742212.

Copy for kind information to:

i. Sr. PPS to Secretary (WR, RD&GR), Shram Shakti Bhawan, New Delhi.
ii. JS & FA, DoWR, RD&GR, Shram Shakti Bhawan, New Delhi.
iii. Director, Establishment-III, Shram Shakti Bhawan, New Delhi.

(R. R. Sambharia)

Annexure-E

Details of Security Expenses at FSTPS

F.Y.	2019-20	2020-21	2021-22	2022-23	2023-24
CISF Deployed in Plant	410 (Security Wing)	385 (Security Wing)	386 (Security Wing)	384 (Security Wing)	400 (Security Wing)
	85 (Fire Wing)	82 (Fire Wing)	82 (Fire Wing)	77 (Fire Wing)	63 (Fire Wing)
CISF Deployed in Township	32	32	32	33	33
Any other Security Agency manpower deployed	01 Supervisor (DGR Sponsored Security Agency) Current PO No. 4600070646	01 Supervisor (DGR Sponsored Security Agency) Current PO No. 4600070646	01 Supervisor (DGR Sponsored Security Agency) Current PO No. 4600070646	01 Supervisor (DGR Sponsored Security Agency) Current PO No. 4600070646	01 Supervisor (DGR Sponsored Security Agency) Current PO No. 4600070646
	22 Security (DGR Sponsored Security Agency) Guards	22 Security (DGR Sponsored Security Agency)	22 Security (DGR Sponsored Security Agency) Guards	22 Security (DGR Sponsored Security Agency) Guards	22 Security (DGR Sponsored Security Agency) Guards
Sanctioned strength of Security manpower deployment at FSTPS	522 (Security Wing)	522 (Security Wing)	522 (Security Wing)	522 (Security Wing)	522 (Security Wing)
	94 (Fire Wing)	94 (Fire Wing)	94 (Fire Wing)	94 (Fire Wing)	94 (Fire Wing)

NTPC Limited

(A Government of India Enterprise)

CPG-2,Sipat Project

PO Ujwal Nagar
District Bilaspur
Chhattisgarh- 495555, India
Telephone No. : 07752-246552 Fax No. : 07752-246507

Service Purchase Order

PAN No. : AAACN0255D
CIN No. : L40101DL1975GOI007966

Purchase Order No. : 4600070646-014-1019 **Date :** 31.05.2022 **(version : 1 Date : 29.07.2024)**

To

RAJAT MATHUR SECURITY AGENCY LT. COL. RAJAT MATHUR(RETD.)
35 DURGAPUR COLONY, NEW ALIPORE
KOLKATA
KOLKATA
West Bengal
India - 700053
Tel: 8800119002
E-Mail : mathurajat@rediffmail.com

Vendor Code : 1205120

Subject: : Deployment of DGR Sponsored Private Security at New Ash Silo Area and Field Hostel Complex of NTPC Farakka.

Version-1: Period extension with quantity as per Inbuilt Provision of PO.

NIT NO. : 9900240350 Dated
Your Offer No. :
Your Reference :

Dear Sir,

This has reference to our above mentioned NIT, Your offer and subsequent discussions. We are pleased to accept your offer opened on and confirm having awarded on you the work of Deployment of DGR Sponsored Private Security at New Ash Silo Area and Field Hostel Complex of NTPC Farakka. ---------- Version-1: Period extension with quantity as per Inbuilt Provision of PO. of total value INR 20,829,544.59 (Rupee TWO CRORE EIGHT LAKH TWENTY-NINE THOUSAND FIVE HUNDRED FORTY-FOUR POINT FIFTY-NINE ONLY) mentioned in the scope of works, special terms & conditions, Bill of quantities etc.

The duration of the service period shall be from 10.06.2022 to 09.12.2024. Though the duration of contract shall remain same, the actual date of commencement of the contract shall be as per the direction of EIC. AGM(HR)/NTPC FARAKKA shall be EIC for this work.

This service purchase order along with its annexure is being issued to you in duplicate .We request you to return the duplicate copy of this service purchase order, duly signed on each page by your authorised signatory in token of your unequivocal acknowledgment of the same within 15 days from the date of this service purchase order. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

We thank you for the interest shown by you in our project and the cooperation extended to us. We expect to receive your continued cooperation in future also.

Thanking You,
For & on behalf of NTPC Limited.

MANAGER(CONTRACT SERVICES)

USSC CPG-2 SIPAT

Enclosures :
TENDER DOCUMENTS

(Bill of Quantity)

Name of Work: Deployment of DGR Sponsored Private Security at New Ash Silo Area and Field Hostel Complex of NTPC Farakka.

Version-1: Period extension with quantity as per Inbuilt Provision of PO.

Sl No.	Code	Description	Unit	Quantity	Net Price	Amount	Long Text

Delivery/Invoicing Address:

1024 Farakka Super Thermal Power Station
PO NABARUN MURSHIDABAD
West Bengal
742236
India
07752-246552
07752-246507
Invoicing to be done on
GST No. : 19AAACN0255D1ZV

10		Deployment of DGR Sponsored Private Secu	AU	1.000	20,829,544.59	20,829,544.59	

Tax: IN:Central GST-ND @ 9.00 % **Extra**
IN: StateGST-ND @ 9.00 %
IN: RCM CGST-Inv @ 100.00- %

10 .10		Deployment of Security Guard without arm	MD	20,102.500	981.0200	19,720,954.55	
10 .20		Deployment of Security Supervisor	MD	913.750	1,146.1300	1,047,276.29	
10 .30		Deployment of Security Guard without arm	MD	62.500	981.0200	61,313.75	

TOTAL OF BOQ PART : 00010 INR 20829544.59

Amount **20829544.59**
Other Charges 0.00

Net Amount on BOQ PART : 00010 INR 20829544.59

Net Total Amount INR 20,829,544.59
Less Rebate/Amount INR 0.00
Grand Total INR 20,829,544.59

INR TWO CRORE EIGHT LAKH TWENTY-NINE THOUSAND FIVE HUNDRED FORTY-FOUR AND FIFTY-NINE PAISA ONLY

MANAGER(CONTRACT SERVICES)
USSC CPG-2 SIPAT

Terms & Conditions

Payment Terms

As per tender documents

Payment Mode

THRU EFT

Invoice to be raised on delivery/invoice address against the given PO line items.

Special Instruction

PO SPECIAL INSTRUCTIONS:
1. Total contract value shall be INR 1,66,63,635.67 including service charge@10% plus GST extra@18% payable under RCM.
2. The award value is exclusive of GST. GST shall be paid extra as applicable under RCM . Present rate of GST is 18%.
3.Location of work: NTPC Farakka
4. SD: CPG or Bank Guarantee upto a maximum limit not exceeding 10% of one month#s wage bill. The CPG may be deducted from the agency#s monthly service charges in instalments as mutually agreed by the agency and NTPC
5. Contract period: 24 months with the provision of extension of 06 months on the same rate, terms and conditions of the contract.
6. Price Varation: Price Variation shall be applicable which shall be paid as per actual revised DGR wages.
7. Other terms & conditions: All other terms & conditions are as per tender document 9900240350 issued.
8. Signing of Agreement:- You have to enter into a formal agreement with us. Contract Agreement will be signed between the authorized representative of the Contractor and Engineer-in- Charge(EIC) / Authorized Representative of NTPC, on a suitable Non-judicial stamp paper within a period of 30 days from the date of this Letter of Award or within such other time, as may be desired by the Employer. Payment against this contract (RA BILLS/Final bill) shall be released only after signing of agreement.

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Break up of Price (For Service Related Lines Only)

Sl No.	Service Code	Description	Qty.	UOM	Rate	Premium	Discount	Addl Discount	Net Rate	Value
10 .10		Deployment of Security Guard without arm	20,102.500	MD	981.02	0.00	0.00	0.00	981.0200	19,720,954.55
10 .20		Deployment of Security Supervisor	913.750	MD	1,146.13	0.00	0.00	0.00	1,146.1300	1,047,276.29
10 .30		Deployment of Security Guard without arm	62.500	MD	981.02	0.00	0.00	0.00	981.0200	61,313.75

MANAGER(CONTRACT SERVICES)
USSC CPG-2 SIPAT

SCOPE OF WORK

00010 : Deployment of DGR Sponsored Private Secu
Scope of work

The job is to provide Round the Clock Security by deployment of Security Guards without Arms (ex-serviceman) at NTPC, Farakka Super Thermal Power Station:

1. Round the clock Deployment of 22 Nos. Ex Service Man Security Guards without arms (Skilled)for Ash Silo-6, Field Hostel Complex, Plant & Outside peripheral areas as per requirements of NTPC-Farakka,P.O.-Nabarun,District- Murshidabad, West Bengal, PIN - 742236.

2. 01 No. supervisor in General Shift to manage the job, as per instruction of the EIC.

3. 50 additional mandays of Security Guards (ex-serviceman without arms) to meet exigencies at a short notice of minimum 03 days.

The agency must be DGR approved Security agency.

Note
1. Deployment may change (Increase or Decrease) with the prior intimation of one month as per requirements or may be terminated.

Special Terms & Conditions

** Award: During the Award process the minimum wages as notified by DGR and applicable as on date shall be considered.

(1) PAYMENT TERMS:Subject to unconditional acceptance of Letter of Award and execution of contract agreement, payment shall be made on monthly RA bill basis after certification by EIC.

(2) Defect Liability period: nil

(3) Duration of this contract shall be 24 months.

(4) The agency with approval of the EIC (Engineer-in-Charge) will post the required number of Security Guard without arms (Skilled) who are Ex-Service man and already trained and physically fit for these posts, at the point specify by the EIC from time to time.

(5) In case of any unsatisfactory performance, questionable integrity of any of the security persons, the agency shall replace the personnel forthwith. The decision of the EIC will be final in this regard.

(6) The agency shall be responsible to provide round the clock security and vigilance with his security personnel to protect the property of NTPC diligently by intensified patrolling and by keeping watch over area for which the contract will be awarded. The agency shall be solely responsible for maintaining discipline and good conduct by the security personnel while they are on duty.

(7) The security personnel provided by the agency shall ensure no entry to be given to any unauthorized person or persons, vehicle(s) in the area. The security personnel provided by the agency shall prevent or deal firmly with any disturbance or nuisance created by any unauthorized person(s). They shall be responsible to maintain proper record of person(s) and vehicle(s) as per the direction of EIC.

(8) The agency shall train their security personnel to deal with any abnormal situation, like strike/lockout/ fire/ catastrophes/agitation. They must be conversant with procedure of dealing with theft cases. They will check/frisk people entering premises and arrange Surprise Search as per instruction of Security#in#charge / Admin-Head. They will operate siren, street lights / other lights/ water pumps, etc. as per requirement.

MANAGER(CONTRACT SERVICES)
USSC CPG-2 SIPAT

(9) The agency shall provide on job training & train the security personnel in the fire-fighting, first aid and basic security procedures by arranging periodical training programmes through a qualified trainer.

(10) Security personnel provided by the Agency shall be Ex-Service man on the Muster roll of the agency and for all legal purposes these will be considered as Contract personnel. The agency shall be fully responsible for the statutory -compliance of these contract security personnel and shall pay to the security personnel as per the guidelines from Ministry of Defence.

(11) In case of failure of any statutory compliance by the agency, if any penalty/fine/interest/ damages/late-fees, etc. are imposed/charges by the Competent Authority, the same shall be paid by the Agency. Otherwise, will be paid by the Company as Principal Employer and will be recovered immediately from the next due bills of Agency.

(12) As a strict Compliance of discipline by the security personnel of the agency, E-I-C or his representative shall:
a) Visit the site as required
b) Arrange surprise visit/ round by a checker/ round by Security Inspector / Field Officer in day & night as well.
c) Provide to its security personnel enough number of uniforms, for which expenses allowance is provided in the salary structure born by the company. However the cleanliness of the same will be maintained by the individual.

(13) The agency shall provide at their cost and shall make all necessary arrangements for the security personnel such as transportation of security persons.

(14) PSARA, 2005: The Contractor should comply with the requirements as applicable and provided for in the notification dated 23.06.2005 regarding the "Private Security Agencies (Regulation) Act, 2005.

(15) The contractor shall be responsible for compliance of provisions under ESI Act.

(16) Wage Fixation: The Wage structure would me minimum wages as Per DGR's notification for such staff for Area A, Area B and Area C locations, as applicable. The wages will be automatically revised as and when wages are revised by the DGR.

(17) Price Variation Clause(PVC): PVC Clause for contractual manpower will be "Reimbursement of increase in minimum wages plus other components relating to the said increase in wages as notified by DGR, including, PF, ESI, Bonus, GPAIS other allowances etc. as specified in the agreement duly executed and applicable taxes thereon. However, statutory payments viz PF/ESI/HRA would be made at actual based on supporting document verified by EIC subject to limitation of the minimum wage components as prescribed by DGR"

(18) Security Deposit: As per DGR guidelines i.e. DGR sponsored ESM may be asked to deposit CPG or Bank Guarantee up to a maximum limit not exceeding 10%(percent) of One month's wage bill. The CPG will be deducted from the ESM's Monthly service charges in instalments as mutually agreed by the ESM and the Principal Employer

OTHER SPECIAL CONDITIONS OF CONTRACT

1.0 The strength of security personnel is to be deployed in the following manner or as decided by the Management from time to time:
a. Security Guards 22 Nos. for Ash Silo, Indoor & community centre & adjacent area at Field Hostel Complex, Plant & peripheral areas as per requirements.

b. Supervisor 01 No.

2.0 Any additional deployment of security personnel, if required, from time to time shall be arranged within 7 days of communication in writing to the In-charge/Supervisor for which rates as per such security guard without arms (Skilled) deployed shall be paid extra.

3.0 If, at any time, NTPC management decides to dispense away with any location or any part of the work, the same shall be communicated at least two days in advance and the contractor agency shall comply with same and pro-rata charges shall be regulated by NTPC management.

MANAGER(CONTRACT SERVICES)
USSC CPG-2 SIPAT

4.0 The security guards shall work for 8 hours a day for 6 days a week and observe the 7th day as weekly off which means to say that the relief guard shall have to be arranged by the contractor. No guard will be asked to perform double duty continuously. If any personnel is to be deployed on double duty,8 hours per day, 1 day wage is to be made and should be notified to NTPC.

5.0 The Contractor will be responsible for compliance of labour laws as applicable from time to time viz. Contract Labour (Regulation & Abolition) Act, Payment of Wages Act, Employees Provident Fund & Miscellaneous Provisions Act, Payment of Gratuity Act, ESI Act, 1948, Workmen's Compensation Act etc. The contractor must cover the guards / supervisors deployed at NTPC site under the ESI ACT or Workmen Compensation Insurance as applicable.

6.0 Security guards shall not become members of any trade union/association, either of NTPC or any other union in and around the area. These guards will not approach the NTPC Management for any grievance/lobbying/etc.

7.0 The contractor or his staff shall not have any business dealings, with any agency directly or indirectly associated with NTPC.

8.0 The loss that NTPC may incur on account of acts of omission or commissions of security staff shall be deducted from the contractor's bills. The decision of the Engineer -in-charge in all such events shall be final and binding.

9.0 The contractor shall submit the names and address of the persons to be deployed in advance and the persons will be deployed after verification of credentials and acceptance by EIC.

10.0 The Engineer-in-charge or his authorized representative will have the right to inspect the locations at any time and if he feels that proper security is not being provided or if he desires that any of the persons are to be changed, such instructions given in writing shallbe complied forthwith.

12.0 Deployment chart of the security personnel should be submitted daily, without fail. Non-submission of deployment chart on daily basis will be liable for deduction of payments for that day.

13.0 The contractor shall not be permitted to assign or give a sub-contractor for the work awarded to his for any reason whatsoever. In case the work is not done as laid down in the Scope of Work to the satisfaction of NTPC, NTPC reserves the right to get the work doneby engaging outside agency at the risk and cost of the contractor.

14.0 If the contractor fails to comply with the job assigned to him or any person, thereof or neglects to comply with any directions given to him by NTPC, the contract shall be terminated by NTPC without assigning any reason therefore.

15.0 The contractor shall ensure that the number of security guards/supervisors deployed on any given day to carry out the job isnot less than the number fixed by NTPC management.

16.0 The contractor shall ensure that all the employees engaged by the contractor are free from all communicable or contagious infections and other diseases and that the contractor from time to time will arrange to conduct such medical examination as may be required and decided by NTPC. If in the opinion of NTPC, any employee of the contractor is found to commit any misconduct or misbehaviour, NTPC in its sole discretion, may require the contractor to remove such employee and the contractor shall remove such employees without questioningthe decision of NTPC in this respect and NTPC will be entitled to restrain such employees from entering NTPC's premises.

17.0 If the contractor fails to complete the work or any portion thereof as agreed upon or neglects to comply with any directions given to his, NTPC shall terminate the contract. In such a case, the contractor shall be liable for any expenses, loss or damage which NTPC may incur or sustainany reasons due to contractor's default.

18.0 If the contractor fails to comply with the orders assigned to him or any portion thereof as agreed upon or neglects to comply with any of the directions, deductions shall be made from his bills besides penalty of Rs.500/- flat. In case the contractor does not improve performance to the satisfaction of NTPC, the contract shall be terminated by NTPC without assigning any reason.

MANAGER(CONTRACT SERVICES)
USSC CPG-2 SIPAT

19.0 The number of security personnel indicated in tender documents is approximate and may vary. However, the payment shall be made for the actual number of security personnel supplied. In the event of non-deployment of minimum manpower, the bills shall be deducted at the rate of Rs.500/- per man day and no payment shall be made for such non-employment.

20.0 The contractor will have to carry out the work on holidays, National holidays also as per the requirement of NTPC and without any extra cost to NTPC.

21.0 The Contract can be extended for a period of 06 months on same rate and terms & condition.

Prepared By:
NEHA KANSAL

MANAGER(CONTRACT SERVICES)
USSC CPG-2 SIPAT

List of Documents

Please note that below documents are needed to be provided along with Invoice.

S.No.	Document Description

MANAGER(CONTRACT SERVICES)
USSC CPG-2 SIPAT

NTPC VENDOR PAYMENT PORTAL & PAYMENT PROCEDURE

1.For all the cases where payment documents are to be directly submitted to NTPC (excluding Payment through Bank cases), the Invoice and supporting document(s) as required in the Purchase Order have to be Digitally Signed with class II or III digital signature and uploaded in the **&gv_cocd&** Vendor Payment Portal https://pradip.ntpc.co.in/VendorFinal/Login.jsp.

In such cases, there will be no requirement of physical copy of invoice & documents except for Lorry Receipts (LRs)/ Delivery Challan, which are normally sent along with the material/ transporter. Bank Guarantees to be sent in original wherever applicable.

2.From 01.01.2020, NTPC will accept only digitally signed Invoice & supporting documents from **Vendors for direct payment cases. Submission of documents in physical form shall not be accepted by NTPC** unless otherwise asked for in the PO.
For such cases of physical submission, Vendors are required to send complete set of documents including invoice etc. addressed to the "Invoice Receipt Center" of the Delivery/ Invoicing Address as mentioned in the Purchase Order Annexure 1/ BOQ Sheet.

While submitting the Invoice/ Bills & related documents in physical form, Vendors are required to mention the following details on the top of the envelope:
a. Invoice/Bill reference No.
b. **NTPC** PO No./ Package no.
c. **NTPC** Vendor Code asper PO

In addition to above, vendors are requested to mention their correspondence E-mail & Mobile No.in the Covering Letter, through which invoice processing related information/clarification request may be sent.

3.Vendors can track / monitor the status of payments from the Vendor payment portal. Help documents are available in the portal. Vendors are requested to make full use of the Vendor Payment Portal.

4.For payment cases through bank, all original documents are to be submitted in bank as per terms of PO.

Alternate Mode of Payment for Micro Small & Medium Enterprises (MSMEs):

Trade Receivables Discounting System (TReDS) is a regulatory framework put in place by the Reserve Bank of India under the Payment and Settlement Systems Act 2007 (PSS Act) to facilitate the financing of trade receivables (invoices) of MSMEs through invoice financing by multiple financiers.

The Reserve Bank of India has granted approval to Mynd Solutions Pvt Limited, A.TREDS Ltd and Receivables Exchange of India Ltd (RXIL) to set up and operate TReDS platforms. The Respective TReDS platforms names of the above-mentioned entities are M1xchange, Invoicemart and TREDS.

Currently NTPC Limited is transacting with M1xchange and RXIL TReDS platforms.
MSME Vendors may choose the TReDS platforms as an alternate payment mechanism.

For queries/ details, the vendor may directly contact M1xchange or RXIL at:-

M1XCHANGE:-
URL: https:\\m1xchange.com
Toll free No.: 1800-103-7261

RXIL:-
URL: https:\\www.rxil.in/Home/Index
Phone: 022-40771424, 40771426
Toll free No.: 1800 1038 311

Vendor must ensure the delivery of material and service before uploading invoices at TReDS portal for discounting. After uploading invoices on TReDS portal, vendor has to upload invoices on NTPC payment portal in case of Non-GeM contract and in case of GeM Contract invoices shall be uploaded on GeM portal, immediately . All relevant documents required for processing of payments as per P.O/Contract terms and conditions shall be made available by the Vendor along with the invoice.

Annexure-F

BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO: 316/GT/2014 (Approval of tariff of Farakka Super Thermal Power Station Stage- I&II (1600 MW) for the period 2014-19)

Sub: Submission of Additional Information w.r.t. unrecovered depreciation i.r.o. the Hon'ble Commission's letter dt. 15.03.2016

INDEX

Sl. No.	Description	Page No.
1	Affidavit	1 - 2
2	Additional Submission	3 – 5
3	Annexure-I	6
4	Speed Post Receipt	7

BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

PETITION NO: 316/GT/2014

IN THE MATTER OF: Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 for approval of tariff of **Farakka Super Thermal Power Station, Stage-I&II (1600 MW) for the period from 01.04.2014 to 31.03.2019**.

AND

IN THE MATTER OF: Additional Information w.r.t. unrecovered depreciation i.r.o. the Hon'ble Commission's letter dated 15.03.2016 regarding 'General directions with respect to third proviso to clause (3) of Regulation 27 of the 2014 Tariff Regulations'.

Petitioner/Applicant: NTPC Ltd.
NTPC Bhawan
Core-7, Scope Complex
7, Institutional Area, Lodhi Road
New Delhi – 110003

Repondents : 1 West Bengal State Electricity Distribution Co. Ltd.
Vidyut Bhawan, Block-DJ,
Sector-II, Salt Lake City
Kolkata – 700 091

and others

NOTARY PUBLIC 2015 R V SINGH Advocate Reg No 2202 Area-Delhi Govt. of India

Shankar Sarin

AFFIDAVIT

I, Shankar Saran, son of Late Shri Santosh Kumar, aged about 50 years, resident of 321, Abhinav Apartment, B-12, Vasundhara Enclave, Delhi do solemnly affirm and state as follows:

1. That I am the Addl. General Manager (Commercial) in Petitioner Corporation NTPC Ltd. and am well conversant with the facts of the case and am competent to swear the present affidavit.

2. That I have read the contents of the accompanying additional submissions as directed by Hon'ble Commission vide letter dt. 15.03.2016 and have understood the contents of the same.

3. That the contents of the accompanying additional submissions being filed by NTPC are based on information available with the petitioner in the normal course of business and believed by the deponent to be true.

Shankar Saran

(DEPONENT)

Verification

I, the deponent above named, do hereby verify that the contents of the above affidavit are true to the best of my knowledge, no part of it is false and nothing material has been concealed therefrom.

Verified at New Delhi on this 06th day of May 2016.

Shankar Saran

(DEPONENT)

NOTARY PUBLIC 2016 R.V. SINGH Advocate Reg. No. 7382 Delhi Govt. of India NOTARIAL

Solemnly affirmed before me, read & explained to the deponent

Notary Public

6 MAY 2016

BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

PETITION NO: 316/GT/2014

IN THE MATTER OF : Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 for approval of tariff of **Farakka Super Thermal Power Station St-I&II (1600 MW) for the period from 01.04.2014 to 31.03.2019**

AND

IN THE MATTER OF : Additional Information w.r.t. unrecovered depreciation i.r.o. the Hon'ble Commission's letter dated 15.3.16 regarding 'General directions with respect to third proviso to clause (3) of Regulation 27 of the 2014 Tariff Regulations'

Petitioner : NTPC Ltd.
NTPC Bhawan
Core-7, Scope Complex
7, Institutional Area, Lodhi Road
New Delhi-110 003

Respondents: 1. West Bengal State Electricity Distribution Co. Ltd.
Vidyut Bhawan, Block-DJ,
Sector-II, Salt Lake City
Kolkata – 700 091
and others

Shankar Sharma

The Petitioner humbly states that:

1) The Petitioner herein NTPC Ltd. filed the instant petition before the Hon'ble Commission for determination of the tariff for Farakka Super Thermal Power Station St-I&II for the period 2014-19 vide affidavit dated 13.08.2014.

2) Further, vide letter dated 15.03.16, the Hon'ble Commission has directed the petitioner to furnish a statement showing the year-wise details of depreciation un-recovered, if any, till 31.3.2014 on account of availability lower than NAPAF, in respect of all thermal generating stations.

3) Further, Hon'ble ATE judgment dtd 13.03.2007 on the issue of "admissibility of depreciation upto 90% of the value of the assets" has allowed the unpaid portion of the depreciation (because of under recovery of fixed charges due to availability lower than NAPAF) after the plant has lived its designated useful life.

4) Accordingly, the required details for the instant station are placed below:

SN	Period	Target Availability / PLF (%)	Annual Availability/ PLF (%)	AFC for the period (Rs.Lakh)	Dep. For the period included in AFC (Rs.Lakh)	Disincentive (Rs.Lakh)	Dep. unrecovered due to disincentive (Rs.Lakh)
1	1996-97	58.77	51.37	56528.75	16703.75	2543.79*	751.70
2	2002-03	80	75.03	58188.00	10970.00	3614.93	681.51
3	2003-04	80	70.12	58673.00	10970.00	7246.12	1354.80
4	2004-05	80	70.53	53857.48	11432.76	6375.38	1353.35
5	2008-09	80	76.81	56622.73	11666.75	2257.83	465.21
6	2009-10	85	73.36	81568.68	7127.32	11170.11	976.02

7	2011-12	85	82.56	85056.31	7987.70	2441.62	229.29
8	2012-13	85	74.22	88052.04	8070.16	11167.07	1023.49
Total							6835.38

*Calculation attached as **Annexure A.**

The same may please be taken on record.

5) It is submitted that in case, any of the above mentioned figures of AFC/ Depreciation undergo any change due to any order of Hon'ble CERC/ APTEL/ Supreme Court in future, the unrecovered depreciation would change accordingly.

Shankar Sahu

(Petitioner)

New Delhi

06th May, 2016

Annexure-I

Calculation of disincentive for Farakka STPS for the period 1996-97

Capacity (MW)	1100	1600
Period	01.04.1996 to 30.06.1996	01.07.1996 to 31.03.1997
Operation Time (Year)	0.2500	0.7500
Weighted Average Capacity	1475.00	
Deemed PLF	51.39	
Normative Generation for recovery of 100 % FC (Kwh/Kw/yr)	5500	5031
Wt Average PLF for recovery of 100% FC (%)	58.77	
Normative Generation for recovery of 98 % FC (Kwh/Kw/yr)	5000	4531
Wt Average PLF for recovery of 98% FC (%)	53.06	
Normative Generation for recovery of 95.5 % FC (Kwh/Kw/yr)	4500	4031
Wt Average PLF for recovery of 95.5% FC (%)	47.35	
Disincentive (%)	4.50	
AFC (Rs Lakhs)	42698	61139
Deprectiation in above (Rs Lakhs)	12605	18071
Wt Average AFC (Rs Lakhs)	56528.75	
Wt. Average Depreciation (Rs Lakhs)	16704.50	
Disincentice (Rs Lakhs)	2543.79	
Unrecovered Depreciation due to disincentive (Rs Lakhs)	751.70	

Shankar Sahay

1	The Chief Engineer (PT&P) West Bengal State Electricity Distribution Co. Ltd. Vidyut Bhawan, Block-DJ, Sector-II, Salt Lake City Kolkata – 700 091	10	The Director (Distribution) Punjab State Power Corporation Ltd. (erstwhile PSEB) The Mall Patiala-147001
2	The CMD Bihar State Power Holding Company (BSHPCL) Vidyut Bhawan, Bailey Road Patna – 800 001	11	The Superintending Engineer (SPA & TC) Uttar Pradesh Power Corp. Ltd. Shakti Bhawan 14, Ashok Marg Lucknow-226 001
3	The Chief Engineer (Comml.) Jharkhand Urja Vikas Nigam Ltd. Engineering Bhawan Heavy Engineering Corporation Dhurwa Ranchi-834 004	12	The Development Commissioner (Power) Power Development Department (J&K) Govt. of J&K Secretariat Srinagar
4	The Director (Comml.) Grid Corporation of Orissa Ltd. Vidyut Bhawan, Janpath Bhubaneshwar – 751 007	13	The Chief General Manager (Comml) Assam Power Distribution Company Limited Bijulee Bhawan, Paltan Bazar, Guwahati – 782 001
5	The Chief Engineer (Commercial) Haryana Power Purchase Centre (HPPC) Shakti Bhawan, Sector – 6, Panchkula, Haryana – 134 109	14	The Assistant Vice President Power Management Group BSES Rajdhani Power Ltd. BSES Bhawan, Nehru Place New Delhi-110019
6	The PCE cum Secretary Power Department Govt. of Sikkim Kazi Road Gangtok Sikkim – 737 101	15	The CEO BSES Yamuna Power Ltd. Shakti Kiran Bldg., Karkardooma Delhi
7	Chief Engineer(Planning) Tamil Nadu Generation & Distribution Corporation Ltd.(TANGEDCO) 144, Anna Salai Chennai – 600002	16	The CEO Tata Power Delhi Distribution Limited 33 KV Sub Station Bldg. Hudson Lane, Kingsway Camp New Delhi
8	The Superintending Engineer (RPPPC) Ajmer Vidyut Vitran Nigam Ltd. (AVVN) Vidyut Bhawan, Panchsheel Nagar Makarwali Road, Ajmer-305 004 (Rajasthan)	17	The Superintending Engineer (RPPC) Jaipur Vidyut Vitran Nigam Ltd. (JVVN) Vidyut Bhawan Janpath, Jaipur –302 005 (Rajasthan)
9	The Superintending Engineer (RPPC) Jodhpur Vidyut Vitran Nigam Ltd. (JdVVN) New Power House, Industrial Area, Jodhpur-342 003 (Rajasthan).		

EMS, SPEED POST, Delhi
Book Now Pay Later Scheme
17 MAY 2016
No.-03-01
Weight .....

From

मनोज कुमार शर्मा
MANOJ KUMAR SHARMA
वरि० प्रबन्धक (वाणिज्यिक)
Sr. Manager (Commercial)
एनटीपीसी लिमिटेड/ NTPC Limited
कोर-6, चतुर्थ तल/Core-6, 4th Floor
7, स्कोप कॉम्प्लेक्स/7, SCOPE Complex
लोधी रोड, नई दिल्ली-3/Lodhi Road, New Delhi-3

7

Annexure-G

		Format-B
AUDITOR CERTIFICATE		
Station:	Farakka Super Thermal Power Station	
Month:	Apr-2022 to March-2023	
S. No	Details	Amount (in Rs. Cr.)
1	Cumulative Ash transportation expenditure incurred (as per MOEF&CC Notification dt. 31.12.2021) including any adjustments in respect of any prior months. Such expenditure shall include liability, if any. **(X)**	**400.3479653**
2A	Opening balance of ash sale revenue as on 01.04.2022 **(O)**	-
2B	Cumulative Ash sale revenue / proceeds received including any adjustments in respect of any prior months. **(Y)**	**9.4206248**
3	Cumulative Net Ash transportation expenses of Station **(Z= X-Y-O)**	**390.9273405**
4	Billable Cumulative ash transportation expenses of Station **(A = Z * F * 0.9)**	**339.4402476**
Farakka Stage-1		
5.1	Billable Cumulative Ash transportation expenses of Commercial Stage **(C = A * Cum SG Commercial stage / Cum SG station)**	**264.3810809**
6.1	Cumulative Ash transportation expenses billed to beneficiary N	B_N = Cum $SG_{beneficiaryN}$ / Cum SG $_{commercial\ stage}$ * [C]
	ARUNACHAL	0.5791444
	ASSAM	6.5758062
	BRPL	1.5435390
	BYPL	0.8109220
	ER NVVN COAL	3.2381195
	GRIDCO	0.8222393
	GUJARAT	44.5921181
	HARYANA	1.5828903
	JHARKHAND	26.8410982
	MIZORAM	0.4146733
	NAGALAND	1.2254091
	NBPDCL - NTPC	35.4624603
	NDPL	1.0858706
	NVVN-BPDB	0.9375037
	PDD J&K	2.1562252
	SBPDCL - NTPC	41.6298449
	SIKKIM	0.0389379
	TNEB	2.7124328
	TSNPDCL-NSM	0.8765324
	TSSPDCL-NSM	2.0999193
	UP	3.5753907
	WBSEDCL	85.5800037

SHOME & BANERJEE COST ACCOUNTANTS

Farakka Stage-3		
5.2	Billable Cumulative Ash transportation expenses of Commercial Stage **(C = A * Cum SG Commercial stage / Cum SG station)**	**75.0591667**
6.2	Cumulative Ash transportation expenses billed to beneficiary N	B_N = Cum $SG_{beneficiaryN}$ / Cum SG $_{commercial\ stage}$ * [C]
	ER NVVN COAL	0.8799918
	GRIDCO	11.4923966
	GUJARAT	9.3180952
	JHARKHAND	9.3005234
	NBPDCL - NTPC	6.7265046
	SBPDCL - NTPC	7.8963316
	SIKKIM	0.0177528
	TSNPDCL-NSM	0.1711577
	TSSPDCL-NSM	0.4100448
	UTTARAKHAND	0.2809154
	WBSEDCL	28.5654528

For
Management (NTPC)

Thota Vinodh Kumar
General Manager (Finance)

For SHOME & BANERJEE
COST ACCOUNTANTS

Arghya Sadhukhan
Partner 25/05/23

UDIN:23395162ZZTHT0FMX3G

		Format-B
AUDITOR CERTIFICATE		
Station:	**Farakka Super Thermal Power Station**	
Month:	**Apr-2023 to March-2024**	
S. No	**Details**	**Amount (in Rs. Cr.)**
1	Cumulative Ash transportation expenditure incurred (as per MOEF&CC Notification dt. 31.12.2021) including any adjustments in respect of any prior months. Such expenditure shall include liability, if any. **(X)**	**530.1817273**
2A	Opening balance of ash sale revenue as on 01.04.2023 **(O)**	**-**
2B	Cumulative Ash sale revenue / proceeds received including any adjustments in respect of any prior months. **(Y)**	**9.7115707**
3	Cumulative Net Ash transportation expenses of Station **(Z= X-Y-O)**	**520.4701566**
4	Billable Cumulative ash transportation expenses of Station **(A = Z * F * 0.9)**	**468.4231400**
Farakka Stage-1		
5.1	Billable Cumulative Ash transportation expenses of Commercial Stage **(C = A * Cum SG Commercial stage / Cum SG station)**	**361.0785070**
6.1	Cumulative Ash transportation expenses billed to beneficiary N	B_N = Cum $SG_{beneficiaryN}$ / Cum $SG_{commercial\ stage}$ * [C]
	ARUNACHAL	0.7375054
	ASSAM	9.2828383
	BESCOM	16.7816814
	BRPL	2.1821906
	BYPL	1.1427282
	CESCORP	4.0186228
	ER NVVN COAL	4.4320119
	GESCOM	4.7598412
	GRIDCO	4.3536778
	GUJARAT	62.6153988
	HARYANA	2.2761735
	HESCOM	7.4338711
	JHARKHAND	29.3654734
	MESCOM	3.0908098
	MIZORAM	0.5641518
	NAGALAND	1.7563850
	NBPDCL - NTPC	29.2505284
	NDPL	1.4844883
	NVVN-BPDB	1.3333660
	PDD J&K	3.5708169
	SBPDCL - NTPC	34.3375767
	SIKKIM	6.3566027

	TNEB	4.3595850
	TSNPDCL	0.0020515
	TSNPDCL-NSM	2.0504631
	TSSPDCL	0.0049152
	TSSPDCL-NSM	4.9123200
	UP	5.0266885
	WBSEDCL	113.5957437
Farakka Stage-3		
5.2	Billable Cumulative Ash transportation expenses of Commercial Stage **(C = A * Cum SG Commercial stage / Cum SG station)**	**107.3446330**
6.2	Cumulative Ash transportation expenses billed to beneficiary N	B_N = Cum $SG_{beneficiaryN}$ / Cum $SG_{commercial\ stage}$ * [C]
	ER NVVN COAL	1.3531998
	GRIDCO	17.5983057
	GUJARAT	13.5034968
	JHARKHAND	13.4342051
	NBPDCL - NTPC	8.6232512
	SBPDCL - NTPC	10.122947
	SIKKIM	0.0484098
	TSNPDCL-NSM	0.3481627
	TSSPDCL-NSM	0.8340977
	WBSEDCL	41.4785572

Management (NTPC)

Thota Vinodh Kumar
General Manager (Finance)

We M/s B.G. Chowdhury & Co., the Cost Auditor of the unit, based on the books of accounts presented before us and based on the information and explanations given, certify the above information.

For M/s. B.G.Chowdhury & Co.
Firm registration no: 000064
UDIN: 2413497ZZHETYOMKX8

RINKU DAS CHOWDHURY. (FCMA-13497)
(Partner) Date: 07.06.24

B. G. Chowdhury & Co. Cost Accountants Regd. 000064 11/47A, Panditia Rd., Kol-29

Annexure-H

Ref No. EEMG/CCP-07/21-22/1

CCP SL. No. : 01

PROFORMA FOR THE SHORTFALL IN EQUIPMENT PERFORMANCE CERTIFICATE

CERTIFICATE NO. CCP – 07

Name Of Package: DDCMIS R&M Of Unit 4 & 5 NTPC Farakka

LOA Contract: CS-4130-418-2-SC-NOA-5829 & 5830 Dtd : 18.12.2012

Name Of Contractor : BHEL

PROJECT : Farakka Super Thermal Power Station

This is to certify that no shortfall in equipment performance as compared to the guaranteed parameter is observed in respect of above mentioned LOA/Contract.

M/S Bhel to liquidate all pending issues/supplies/defects, if any to the satisfaction of the station.

The CCP is issued on the evaluation note duly approved by the competent authority under **Ref:**FSTPS/EEMG/2021-22/PGC&I/688882 dated : 05/01/2022.

Date : 11.01.22

Place : Farakka

नीलान्तिका बनार्जी
NILANTIKA BANERJEE
प्रबंधक (O&M / EEMG)
Manager (O&M / EEMG)
एन टी पी सी लिमिटेड, फरक्का
NTPC Limited, Farakka

Nilantika Banerjee

Signature
Nilantika Banerjee
(Name)
Manager (EEMG)

To be countersigned by Site Accountants

Date :

Signature

(Name)

Place :

Annexure-I

Raj Pal
आर्थिक सलाहकार
Economic Adviser
Tel. No.:011-23715595
E-mail : raj.pal@nic.in

भारत सरकार
GOVERNMENT OF INDIA
विद्युत मंत्रालय
MINISTRY OF POWER
श्रम शक्ति भवन, रफी मार्ग
SHRAM SHAKTI BHAWAN, RAFI MARG

नई दिल्ली 110001
NEW DELHI - 110001

DO NO.9/23/2014-EC

Dated :-2nd August, 2017

Dear Sh Singh

As you may be aware, lighting accounts for more than 20% of total electricity consumption in India. Use of LED lights in domestic and public lightings could result in 50-90% reduction in energy consumption by lighting. It was with this objective that the Hon'ble Prime Minister, on 5th January, 2015 launched the National LED Programme to facilitate rapid adoption of LED based home lighting and street lighting across the Country. This programme, consisting of Unnat Jyoti by Affordable LEDs for All (UJALA) and Street Lightings National Programme (SLNP), is being implemented by EESL, a joint venture company of four Power Sector PSUs.

2. The issue relating to use of LED lights was also deliberated in the infrastructure review meeting held by Hon'ble Prime Minister on 17th September, 2016, wherein it was recommended to issue orders for mandating use of LED lights in all lighting projects funded by the Government.

3. Subsequently, in the review meeting held by Hon'ble Prime Minister on 21st July, 2017, it was inter-alia recommended to **replace old bulbs with LED bulbs and that the full replacement should be achieved by 15th August, 2017 in government buildings.**

4. In view of the above, you are requested to take necessary action to ensure that all old bulbs are replaced with LED bulbs by 15th August, 2017 in all the buildings (including compound/street lightings) occupied by your organisation.

5. It will be appreciated if action taken in this regard is reported to this Ministry on priority basis.

With regards,

Yours sincerely,

(Raj Pal)

निo(वकशीसी)/DIR (T)
निo(परियोजना)/DIR (Pro.)
निo(वित्त)/DIR (F)
निo(प्रचालन)/DIR (O)
निo(मासंसं)/DIR (HR)
निo(वाणिज्य)/DIR (Com.)
मेoसचनि( )/RED ( )
सचनि( )/ED ( )
प्रमुख(निoमाo)/Head of CP

Shri Gurdeep Singh,
CMD,NTPC,
Scope Complex,
Lodhi Road, New Delhi.

RIGHT TO INFORMATION

प्राप्तिक
0 8 AUG 2017

Annexure-J

REPORTABLE

IN THE SUPREME COURT OF INDIA

CIVIL APPELLATE JURISDICTION

CIVIL APPEAL NO.11095 OF 2018

GMR WARORA ENERGY LIMITED ...APPELLANT (S)

VERSUS

CENTRAL ELECTRICITY REGULATORY COMMISSION (CERC) & ORS. ...RESPONDENT (S)

WITH

CIVIL APPEAL NOS.11910-11911 OF 2018

CIVIL APPEAL NOS.12055-12056 OF 2018

CIVIL APPEAL NO.3123 OF 2019

CIVIL APPEAL NO.5372 OF 2019

CIVIL APPEAL NO. 6641 OF 2019

CIVIL APPEAL NOS. 2935-2936 OF 2020

CIVIL APPEAL NOS. 4628-4629 OF 2021

CIVIL APPEAL NOS. 5583-5584 OF 2021

CIVIL APPEAL NO. 39 OF 2021

CIVIL APPEAL NO. 5005 OF 2022

CIVIL APPEAL NO. 4089 OF 2022

Index

I.	INTRODUCTION.....	Paras 1 to 5
II.	BRIEF FACTS AND SUBMISSIONS.....	Paras 6 to 91
III.	ADDITIONAL ISSUES.....	Para 92
IV.	CONSIDERATION.....	Paras 93 to 130
V.	CONCLUSION.....	Paras 131 to 168
VI.	EPILOGUE.....	Paras 169 to 184

List of abbreviations:

1.	APTEL	-	Appellate Tribunal for Electricity
2.	CEA	-	Central Electricity Authority
3.	CERC	-	Central Electricity Regulatory Commission
4.	CIL	-	Coal India Limited
5.	COD	-	Commercial Operation Date
6.	CSA	-	Coal Supply Agreement
7.	DISCOMS	-	Distribution Companies
8.	ECL	-	Eastern Coalfield Limited
9.	EFC	-	Evacuation Facility Charges
10.	FSA	-	Fuel Supply Agreement
11.	GCV	-	Gross Calorific Value
12.	LoA	-	Letter of Assurance
13.	LPS	-	Late Payment Surcharge
14.	MAT	-	Minimum Alternate Tax
15.	MCL	-	Mahanadi Coalfield Limited
16.	MERC	-	Maharashtra Electricity Regulatory Commission
17.	MoC	-	Ministry of Coal
18.	MoP	-	Ministry of Power
19.	MSEDCL	-	Maharashtra State Electricity Distribution Company Limited
20.	NCDP	-	New Coal Distribution Policy
21.	PPAs	-	Power Purchase Agreements
22.	RFP	-	Request for Proposal
23.	SBAR	-	State Bank Advance Rate
24.	SECL	-	South Eastern Coal Limited
25.	SHAKTI	-	Scheme for Harnessing and Allocating Koyala (Coal) Transparently in India
26.	SHR	-	Station Heat Rate
27.	TANGEDCO	-	Tamil Nadu Generation and Distribution Corporation
28.	UHV	-	Useful Heat Value

J U D G M E N T

B.R. GAVAI, J.

I. INTRODUCTION

1. When we heard this batch of Electricity appeals, it was agreed between all the parties that this Court should first decide Civil Appeal No. 684 of 2021 (**Maharashtra State Electricity Distribution Company Limited v. Adani Power Maharashtra Limited & Ors.**[1]) ["***MSEDCL v. APML & Ors.***" for short] and Civil Appeal No. 6927 of 2021 (**Maharashtra State Electricity Distribution Company Limited v. GMR Warora Energy Ltd. & ors.**), inasmuch as three of the issues involved in all the appeals in the batch were common. It was submitted that those two appeals could be decided by deciding the three common issues. However, insofar as the other appeals are concerned, it was submitted that, in addition to the three common issues, certain

[1] **2023 SCC OnLine 233**

additional issues were also involved and it was agreed that after those two appeals are decided, the other appeals should be heard for considering these additional issues.

2. The said three common issues are thus:

(i) Whether 'Change in Law' relief on account of New Coal Distribution Policy, 2013 ("NCDP 2013" for short) should be on 'actuals' viz. as against 100% of normative coal requirement assured in terms of New Coal Distribution Policy, 2007 ("NCDP 2007" for short) OR restricted to trigger levels in NCDP 2013 viz. 65%, 65%, 67% and 75% of ACQ?

(ii) Whether for computing 'Change in Law' relief, the operating parameters should be considered on 'actuals' OR as per technical information submitted in bid?

(iii) Whether 'Change in Law' relief compensation is to be granted from 1st April 2013 (start of Financial Year) or 31st July 2013 (date of NCDP 2013)?

3. After extensively hearing all the learned counsel for the parties, vide the judgment and order dated 3rd March 2023 in the case of ***MSEDCL v. APML & Ors.*** (supra), this Court decided those two appeals after considering the aforesaid three issues.

4. The first issue was answered by this Court, holding that the 'Change in Law' relief for domestic coal shortfall should be on 'actuals', i.e. as against 100% of normative coal requirement assured in terms of the NCDP, 2007. Insofar as the second issue is concerned, it was held that the Station Heat Rate ("SHR" for short) and Auxiliary consumption should be considered as per the Regulations or actuals, whichever is lower. The third issue was answered holding that the Start date for the 'Change in Law' event for the NCDP, 2013 is 1st April 2013.

5. After we decided those appeals, we have heard the present appeals in which some of the issues which were decided by us vide the said judgment in the case of ***MSEDCL v. APML & Ors.*** (supra) also arose for consideration along with other issues. However, most of the issues in all these appeals are overlapping

and, therefore, we propose to decide these appeals by this common judgment.

II. BRIEF FACTS AND SUBMISSIONS

Civil Appeal No. 11095 of 2018 and Civil Appeal Nos. 11910-11911 of 2018

6. These cross appeals challenge the common judgment and order dated 14th August 2018 passed by the learned Appellate Tribunal for Electricity, New Delhi (hereinafter referred to as "APTEL") in Appeal No. 111 of 2017 & I.A. No.450 of 2018 and in Appeal No.290 of 2017 & I.A. No.519 of 2017.

7. Civil Appeal No.11095 of 2018 is filed by GMR Warora Energy Ltd. (hereinafter referred to as "GWEL"/"Generator") to the extent it was denied compensatory benefits on certain components on the ground of 'Change in Law'.

8. Civil Appeal Nos. 11910-11911 of 2018 have been filed by DNH Power Distribution Co. Ltd. (DPDCL) (hereinafter referred to as "DNH-DISCOM"), being aggrieved by the order of the learned

APTEL accepting the claim of GWEL on certain issues and holding the same to be 'Change in Law'.

9. The facts, in brief, giving rise to these appeals are as under:

10. GWEL had set up a Thermal Power Station at Warora, District Chandrapur in the State of Maharashtra with an installed capacity of 600 MW (2 x 300 MW). The Commercial Operation Date ("COD" for short) of Unit 1 was 19th March 2013 and that of Unit 2 was 1st September 2013.

11. GWEL had entered into long term Power Purchase Agreements ("PPAs" for short) with DNH-DISCOM for supply of 200 MW power to Maharastra State Electricity Distribution Company Limited ("MSEDCL" for short) on 17th March 2010 ["MSEDCL PPA") and for supply of 200 MW power on 21st March 2013 ("DNH PPA"), after it emerged as the successful bidder for supply of power to MSEDCL/ DNH-DISCOM. The Scheduled delivery date under the MSEDCL PPA was 17th March 2014, whereas under the DNH PPA, it was 1st April 2013. GWEL is also supplying 150 MW power from its power plant to Tamil Nadu

Generation and Distribution Corporation ("TANGEDCO" for short) by way of back-to-back arrangement with trading company GMR Energy Trading Limited, for which purpose, a PPA was signed on 27th November 2013 ("TANGEDCO PPA").

12. In terms of the PPAs, the cut-off date, which is 7 days prior to the bid deadline, is to be considered for the purpose of claims under 'Change in Law'. Following are the cut-off dates under the said PPAs.

	DNH PPA	MSEDCL PPA	TANGEDCO PPA
Cut-off date	1.6.2012	31.7.2009	27.2.2013

13. Certain 'Change in Law' events occurred with regard to MSEDCL PPA and DNH PPA after the cut-off date. The same were notified by GWEL to MSEDCL/ DNH-DISCOM.

14. GWEL filed Petition No. 8/MP/2014 before the Central Electricity Regulatory Commission (hereinafter referred to as "CERC") seeking relief for 'Change in Law'.

15. Vide Order dated 1st February 2017, certain claims were allowed and certain claims were disallowed by the CERC.

16. The claims which were allowed by the CERC are thus:

> "i. Increase in CVD from 8% to 10% and 10% to 12%;
>
> ii. Increase in Excise Duty;
>
> iii. Increase in Service Tax;
>
> iv. Increase in other taxes [Work Contract Tax (WCT), VAT, CST];
>
> v. Change in Excise Duty on coal;
>
> vi. Increase in the rate of Royalty on coal;
>
> vii. Levy of Clean Energy Cess by Government of India (GoI);
>
> viii. Increase in service tax on transportation of goods by IR;
>
> ix. Levy of Swachh Bharat Cess."

17. The claims which were disallowed by the CERC are thus:

> "i. Withdrawal of deemed export benefit by DGFT;

ii. Design changes in Coal Handling Plant (CHP);

iii. Increase in the rate of Minimum Alternate Tax (MAT);

iv. Increase in Busy Season Surcharge and Development surcharge on transportation of coal by Indian Railways (IR);

v. Increase in sizing charges and surface transportation charges by Coal India Ltd. (CIL);

vi. Increase in operating cost on account of specification of coal quality to be used for the TPS;

vii. Change from UHV to GCV based pricing of coal;

viii. Incremental increase in Interest on Working Capital (IWC) on account of increase in Project costs."

18. Being aggrieved by the judgment and order passed by the CERC, cross-appeals were filed by both GWEL and DNH-DISCOM.

19. Vide the impugned judgment, the learned APTEL, while concurring with the view of CERC on the claims allowed by it,

further allowed the claims on the ground of 'Change in Law' on the following components:

(i) Busy Season Surcharge and Development Surcharge;

(ii) Ministry of Environment and Forest ("MoEF") Notification on coal quality; and

(iii) Change in NCDP and Carrying Cost.

20. However, the rest of the claims were disallowed by the learned APTEL, concurring with the view taken by the CERC. Insofar as the appeal filed by DNH-DISCOM is concerned, the same was dismissed by the learned APTEL. Hence, these cross-appeals.

21. We have heard Mr. Vishrov Mukherjee, learned counsel appearing on behalf of the GWEL and Mr. Samir Malik, learned counsel appearing on behalf of MSEDCL and Mr. M.G. Ramachandran, learned Senior Counsel appearing on behalf of the DNH-DISCOM.

22. Mr. Vishrov Mukherjee submits that the learned APTEL has erred in disallowing the claim on the following items:

(i) Withdrawal of Deemed Export Benefit by way of Circular dated 28th December 2011 and Notification dated 28th December 2011 issued by the Directorate General of Foreign Trade ("DGFT") and amendment to the Foreign Trade Policy dated 21st March 2012;

(ii) Imposition of Crushing/Sizing charges and Surface Transportation Charges by Notification dated 15th October 2009;

(iii) Change in system of classification of coal by Coal India Limited ("CIL" for short) from Useful Heat Value ("UHV" for short) to Gross Calorific Value ("GCV" for short) system of pricing by way of Notification dated 30th December 2011;

(iv) Increase in levy of Minimum Alternate Tax ("MAT" for short) pursuant to amendment of Section 115JB of the Income Tax Act, 2012;

(v) Design changes in Coal Handling Plant in terms of letter issued by the Central Electricity Authority ("CEA" for short) dated 19th April 2011;

(vi) Increase in working capital.

23. It is submitted that all these changes have taken place on account of the Notifications/Orders/Circulars issued by the instrumentalities of the State and as such, the learned APTEL ought to have allowed the claim for compensation on account of 'Change in Law' on the aforesaid items also.

24. It is submitted that the compensation on account of the 'Change in Law' is based on the principle of restitution so as to put back the party to the same economic position it was in, had the 'Change in Law' event not taken place. However, this has not been considered in the correct perspective by the learned APTEL.

25. Learned counsel appearing on behalf of the DNH-DISCOM and MSEDCL, on the contrary, submit that the learned APTEL has erred in considering the Busy Season Surcharge and

Development Surcharge, MoEF Notification on coal quality, Change in NCDP and Carrying Cost as 'Change in Law' events. He submits that when the Generator had submitted its bid, it was aware that there was a likelihood of variations on certain payments to be made and the same were factored in while submitting the bid. It is, therefore, submitted that the learned APTEL erred in granting 'Change in Law' benefits on the said issues.

Civil Appeal Nos. 4628-4629 of 2021

26. These appeals have been filed by Uttar Haryana Bijli Vitran Nigam Limited and Dakshin Haryana Bijli Vitran Nigam Limited (hereinafter referred to as "Haryana Discoms") challenging the common judgment and order dated 7th June 2021 passed by the learned APTEL in Appeal No.158 of 2017 & I.A. No.575 of 2018 and Appeal No. 316 of 2017. Appeal No.158 of 2017 & I.A. No.575 of 2018 were filed by Adani Power (Mundra) Limited (hereinafter referred to as "AP(M)L"), being aggrieved by the order passed by the CERC dated 6th February 2017, whereby the CERC

had denied certain claims for compensation on certain components on account of 'Change in Law', whereas Appeal No.316 of 2017 was filed by Haryana Discoms challenging grant of claim of compensation on certain components on the ground of 'Change in Law'.

27. The Chart of claims which were allowed and disallowed by the CERC is as under:

> "107. Based on the above analysis and decisions, the summary of our decision under the Change in Law during the operating period of the project is as under:

Components	**Change in Law Event**
Change in Rate of Royalty	Allowed
Levy of Central Excise Duty subject to directions in para 32 of the order	Allowed
Levy of Clean Energy Cess	Allowed
Levy of Customs Duty on energy removed from SEZ to DTA	Allowed
Increase in Busy Season Surcharge on transportation of coal	Not Allowed

Increase in Development Surcharge on transportation of coal	Not Allowed
Levy of Service Tax on transportation of coal	Allowed
Levy of Green Energy Cess in Gujarat	Liberty granted to approach after Hon`ble Supreme Court's Decision
Increase in Sizing Charges of coal	Not Allowed
Increase in Surface Transportation	Not Allowed
Change in pricing of coal from UHV to GCV basis	Not Allowed
Change in class from 140 to 150 for Railway freight for coal for trainload movement	Not Allowed
Levy of Minimum Alternate Tax on plants situated in SEZ	Not Allowed
Linking railway tariff revision with movement in cost of fuel	Not Allowed
Imposition of Swachh Bharat Cess	Allowed
Payment to National Mineral Exploration Trust	Allowed

Payment to District Mineral Foundation	Allowed
Installation of FGD as per Environmental clearance dated 20.5.2010 Auxiliary consumption due to FGD installation affecting capacity charges Additional operating expenditure on FGD	Not decided and liberty granted
Carrying cost	Not Allowed

."

28. Being aggrieved by the order of the CERC, cross-appeals were filed by AP(M)L so also by Haryana Discoms before the learned APTEL. The Haryana Discoms challenged that part of the order of the CERC which allowed claim on components on the ground of 'Change in Law', whereas AP(M)L challenged that part of the order of the CERC which disallowed its claim on various components.

29. Though AP(M)L had sought 'Change in Law' compensation on various components, the same was allowed by the learned APTEL by the impugned order only on the ground of:

(i) 'Busy Season Surcharge and Developmental Surcharge on transportation of coal', and

(ii) 'Carrying Cost'.

30. The claim of AP(M)L pertaining to increase in Surface Transportation Charges so also Sizing Charges of coal were denied by the learned APTEL, concurring with the view taken by the CERC.

31. Being aggrieved by the orders passed by the CERC and the learned APTEL allowing 'Change in Law' on certain components, the Haryana Discoms have approached this Court.

32. We have heard Ms. Poorva Saigal, learned counsel appearing on behalf of the Haryana Discoms and Dr. A.M. Singhvi, learned Senior Counsel appearing on behalf of AP(M)L.

33. Ms. Poorva Saigal submits that the learned APTEL grossly erred in reversing the well-reasoned findings of the CERC on the issue of Busy Season Surcharge and Developmental Surcharge on transportation of coal. She, therefore, submits that the finding of the learned APTEL with regard to the same needs to be set aside.

34. Dr. A.M. Singhvi, on the contrary, submits that the Busy Season Surcharge as well as the Developmental Surcharge are revised as per the Notifications/Circulars issued by the Ministry of Railways and as such, they would come within the definition of 'Change in Law'.

Civil Appeal Nos. 12055-12056 of 2018

35. These appeals, filed by Jaipur Vidyut Vitran Nigam Ltd., Ajmer Vidyut Vitaran Nigam Ltd. and Jodhpur Vidhyut Vitaran Nigam Ltd. (hereafter referred to as "Rajasthan Discoms"), challenge the common judgment and order dated 14th August 2018, passed by the learned APTEL in Appeal No. 119 of 2016 &

I.A. Nos. 668 and 674 of 2016 and in Appeal No.277 of 2016 & I.A. No.572 of 2016.

36. Appeal No. 119 of 2016 & I.A. Nos. 668 & 674 of 2016 were filed by M/s Adani Power Rajasthan Ltd. ("APRL" for short), being aggrieved by the judgment and order dated 15th March 2016, passed by the Rajasthan Electricity Regulatory Commission (hereinafter referred to as "State Commission") thereby disallowing some of its claims on account of 'Change in Law', whereas Appeal No. 277 of 2016 and I.A. No.572 of 2016 were filed by the Rajasthan Discoms, being aggrieved by the order of the State Commission of the same date vide which some of the 'Change in Law' claims were allowed by the CERC.

37. The 'Change in Law' claims which were allowed by the State Commission are as under:

i. Change in Rate of Royalty Payable on Domestic Coal;

ii. Levy of Service Tax on Transportation of Goods by Indian Railways (IR); and

iii. Increase in Fee for 'Consent to Operate'.

38. The 'Change in Law' claims which were not allowed by the State Commission are thus:

1.	Change in Pricing Mechanism of Coal from Useful Heat Value (UHV) Basis to Gross Calorific Value Basis (GCV)
2.	Increase in Sizing Charges for coal charged by Coal India Ltd. (CIL)
3.	Increase in Surface Transportation Charges
4.	Increase in Busy Season Surcharge on Transportation of Coal by Indian Railways
5.	Increase in Development Surcharge levied on Transportation of Coal by Railways
6.	Levy of Fuel Adjustment Component
7.	Levy of Port Congestion Surcharge
8.	Levy of Forest Tax
9.	Change in Classification of Coal for Train Load Movement

39. Vide the impugned judgment, the learned APTEL dismissed the appeal of the Rajasthan Discoms and partly allowed the appeal of APRL allowing its claims on the ground of 'Busy Season

Surcharge', 'Development Surcharge', 'Port Congestion Surcharge, 'Forest Tax' and 'Carrying Cost'. Being aggrieved thereby, the Rajasthan Discoms have approached this Court.

40. We have heard Mr. V. Giri, learned Senior Counsel appearing on behalf of the Rajasthan Discoms and Dr. A.M. Singhvi, learned Senior Counsel appearing on behalf of the APRL.

41. Mr. V. Giri submits that clause 10 in the PPA is referable only to taxes under Article 268 of the Constitution of India. He submits that the learned APTEL has, therefore, erred in allowing 'Change in Law' benefits on the issues related to Busy Season Surcharge, Development Surcharge, Port Congestion Charges, Forest Tax and Carrying Cost which are not taxes referable to Article 268 of the Constitution.

42. Dr. Singhvi made arguments on similar lines as have been made in the other appeals.

Civil Appeal Nos. 2935-2936 of 2020

43. These appeals have been filed by the Rajasthan Discoms and Rajasthan Urja Vikas Nigam Ltd. challenging the common

judgment and order dated 29th January 2020, passed by the learned APTEL in Appeal no.284 of 2017 and Appeal No. 09 of 2018.

44. Appeal No. 284 of 2017 was filed by APRL challenging the order dated 8th June 2017 passed by the State Commission, being aggrieved by the disallowance of its claim on some components on the ground of 'Change in Law' and carrying cost, whereas Appeal No.9 of 2018 was filed by Rajasthan Discoms being aggrieved by the claims which were allowed by the State Commission.

45. The list of the components which were allowed and which were not allowed on the ground of 'Change in Law' is thus:

"Sr. No.	Change in Law's items	Decision of the Commission
A	Levies on Royalty (i) National Mineral Exploration Trust effective from 14.08.2015 (ii) District Mineral Foundation effective from 12.01.2015	Allowed
B	Levy of Swachh Bharat Cess (SBC) along with Service Tax for rail	Allowed

	transportation effective from 15.11.2015	
C	Levy of Swachh Bharat Cess @0.5% along with Service Tax - Operation Period effective from 15.11.2015	Not Allowed
D	Levy of Krishi Kalyan Cess (KKC) along with Service Tax and Swachh Bharat Cess for rail transportation from lst June 2016	Allowed
E	Levy of Krishi Kalyan Cess @0.5% along with Service Tax and Swachh Bharat Cess - Operation Period from 1st June 2016.	Not Allowed
F	Amendment to Environmental (Protection) Rules 1986	Not Allowed
G	Levy of Coal Terminal Surcharge (CTS) effective from 22.08.2016	Not Allowed
H	Utilization of Fly Ash generated from coal and lignite based thermal power projects	Not Allowed
I	CG Paryavaran Upkar	Not Allowed
J	CG Vikas Upkar	Not Allowed
K	Service Tax on transportation of goods by a vessel from a place outside India up to the custom station of clearance in India	Not Allowed

L	Carrying Cost	Not Allowed”

46. As stated above, being aggrieved by that part of the order which disallowed its claim, APRL preferred the aforesaid Appeal before the learned APTEL, whereas the Rajasthan Discoms, being aggrieved by that part of the order which allowed claims on certain components, also filed an Appeal before the learned APTEL.

47. The learned APTEL, while dismissing the appeal of the Rajasthan Discoms, partly allowed the appeal of the APRL by allowing compensation on certain other components on the ground of ‘Change in Law’.

48. The components on which ‘Change in Law’ benefits were granted by the learned APTEL are thus:

(i) Coal Terminal Surcharge;

(ii) Chhattisgarh Paryavaran Upkar;

(iii) Chhattisgarh Vikas Upkar;

(iv) Change in Swacch Bharat Cess at the rare of 0.5% on Service Tax for Operation Period;

(v) Change in Krishi Kalyan Cess at the rate 5% on Service Tax for Operation Period;

49. In addition to grant of relief on the ground of 'Change in Law', the learned APTEL also granted 'Carrying Cost'.

50. Arguments similar to the ones advanced in Civil Appeal No. 12055-12056 of 2018 were advanced by Mr. V. Giri, learned Senior Counsel appearing on behalf of the Rajasthan Discoms, as well as by the learned counsel for the respondents.

Civil Appeal No. 3123 of 2019 and Civil Appeal No.5372 of 2019

51. These are cross appeals. Civil Appeal No.3123 of 2019 has been filed by Bihar State Power (Holding) Company Ltd. (hereinafter referred to as "Bihar Discoms") and Civil Appeal No.5372 of 2019 has been filed by GMR Kamalanga Energy Limited and GMR Energy Limited (hereinafter referred to as "GKEL"), challenging the judgment and order dated 21st

December 2018 passed by the learned APTEL in Appeal No.193 of 2017 & I.A. No. 449 of 2018.

52. Appeal No.193 of 2017 & I.A. No.449 of 2018 were filed by GKEL challenging the order of the CERC dated 7th April 2017, aggrieved by the denial of its claims on certain components on the ground of 'Change in Law'. The Bihar Discoms have challenged that part of the order of the learned APTEL which allowed claims of GKEL on the ground of 'Change in Law'.

53. By the impugned order, the learned APTEL granted claims on the ground of:

(i) Change in NCDP (cancellation of Captive Block vis-à-vis tapering linkage),

(ii) busy season surcharge and developmental surcharge,

(iii) carrying cost; and

(iv) add on premium price.

54. We have heard Mr. Vishrov Mukerjee, learned counsel appearing on behalf of the GKEL/Generator and Ms. Anushree

Bardhan, learned Counsel appearing on behalf of the Bihar Discoms.

55. Mr. Vishrov Mukerjee submits that the learned APTEL as well as the CERC have grossly erred in rejecting the claim for compensation on the ground of:

(i) change in source of coal from Mahanadi Coalfields Ltd. ("MCL" for short) to Eastern Coalfields Ltd. ("ECL" for short) vide Notification dated 26th February 2014 issued by the CIL;

(ii) change in mode of transportation from rail to road vide Notification dated 29th September 2014 issued by MCL;

(iii) increase in levy of Minimum Alternate Tax ("MAT" for short); and

(iv) interest on working capital.

56. Learned counsel submitted that change in source of coal from MCL to ECL was on account of the notification issued by the CIL, which is an instrumentality of the State. Similarly, he

submitted that the change in mode of transportation from rail to road was on account of the notification issued by the MCL. Learned counsel submits that, since, on account of these notifications, the cost of transportation of coal increased, applying the restitutionary principle, the CERC as well as the learned APTEL ought to have granted claims on the basis of 'Change in Law'. He further submits that increase in levy of MAT has also been increased by the Union of India and, as such, the same would also amount to 'Change in Law'. It is further submitted that interest on working capital was also increased on account of the orders of the instrumentalities of the State and, as such, compensation also ought to have been granted for the same.

57. Learned counsel for the Bihar Discoms submits that the CERC as well as the learned APTEL have grossly erred in allowing claims on certain components on the ground of 'Change in Law'.

Civil Appeal No. 6641 of 2019

58. This appeal filed by GKEL arises out of the judgment and order dated 27th May 2019, passed by the learned APTEL in Appeal No.195 of 2016, thereby partly allowing the appeal.

59. GKEL filed Petition No.79/MP/2013 before the CERC claiming compensation on various component on the ground of 'Change in Law' events.

60. The CERC, vide order dated 3rd February 2016, disallowed compensation for the following components:

(a) Change from UHV to GCV based pricing of coal pursuant to notification issued by the Government of India;

(b) Increase/revision in the railway freight charges pursuant to notifications issued by Ministry of Railways and Ministry of Finance;

(c) Increase in the rate of Minimum Alternate Tax ("MAT") rates;

(d) Increase in Value Added Tax in the State of Odisha;

(e) Increase in water charges pursuant to notifications issued by the Government of Odisha;

(f) Incremental increase in interest on working capital on account of increase in costs during the operating period.

61. Being aggrieved thereby, Appeal No.195 of 2016. was preferred by GKEL. As stated above, the learned APTEL partly allowed the appeal and held that GKEL was entitled to compensation on following grounds.

(i) Increase/revision in the railway freight charges in terms of notifications issued by the Ministry of Railways and Ministry of Finance on account of imposition of development surcharge, busy season surcharge and service tax;

(ii) VAT rate enhancement from 4% to 5% from 30.03.2012 onwards;

(iii) Carrying cost/interest on compensation on the above items after ascertainment of the same by computation, which shall be assessed from the date of respective notification/circular/order from the concerned Ministry/Department/Governmental instrumentality till payment is made.

62. Appellant-GKEL, being unsatisfied with the same, has approached this Court praying for a direction that it is also entitled to compensation on various other components, viz.,

(i) Increase in Water Charges;

(ii) Shift from UHV to GCV methodology of pricing of coal;

(iii) Increase in rate of MAT; and

(iv) Interest on working capital.

63. Arguments similar to the ones advanced in Civil Appeal No. 3123 of 2019 and Civil Appeal No.5372 of 2019 were advanced by the learned counsel for the parties.

Civil Appeal Nos. 5583-5584 of 2021

64. These appeals, filed by Bihar Discoms, arise out of the judgment and order dated 6th August 2021, passed by the learned APTEL in Appeal No. 423 of 2019 and in Appeal No.173 of 2021.

65. In the said case, the learned APTEL, vide order dated 21st December 2018, had allowed the following claims as 'Change in Law' and remanded the matter back to the CERC to determine compensation due to GKEL:

(a) Shortfall in linkage coal and deviation in NCDP;

(b) Cancellation of captive coal block;

(c) Imposition of Busy Season Surcharge and Development Surcharge;

(d) Levy of Add-On Premium over and above the notified price of coal; and

(e) Carrying Cost.

66. Upon remand, the CERC passed order dated 16th September 2019, thereby granting compensation on certain components on the ground of 'Change in Law' including carrying cost.

67. Contending that the order passed by the CERC did not give effect to the 'Change in Law' components as directed by the learned APTEL, an appeal being Appeal No. 423 of 2019 came to be preferred by GKEL before the learned APTEL.

68. Bihar Discoms had also filed an appeal being Appeal No.173 of 2021, before the learned APTEL, being aggrieved by the benefits which were granted by the CERC.

69. By the impugned order, the learned APTEL held that the GKEL was entitled to recover expenditure involved in procurement of alternate coal due to shortfall in domestic coal supply corresponding to scheduled generation pertaining to the obligations under the Bihar PPA. The learned APTEL held that this was required to be done in order to restore the appellant-GKEL to the same economic position as before as if no 'Change in Law' event had occurred.

70. We have heard Ms. Anushree Bardhan, learned counsel appearing on behalf of the appellant-Bihar Discoms and Mr. Maninder Singh, learned Senior Counsel appearing on behalf of GKEL.

71. Ms. Anushree Bardhan submits that the learned APTEL ought to have granted benefit of 'Change in Law' restricting it to shortfall for only 894.5 MW, which was the amount specified in the PPA, and not for the entire 1050 MW, which is the installed capacity. She further submits that the learned APTEL had also erred in granting add on premium on account of extension of tapering linkage by three years.

72. Shri Maninder Singh, learned Senior Counsel submits that insofar as the first issue with regard to shortfall of coal supply is concerned, the same is squarely covered by the judgments of this Court in the cases of ***Energy Watchdog v. Central Electricity Regulatory Commission and others***[2], ***Jaipur Vidyut Vitaran***

[2] **(2017) 14 SCC 80**

Nigam Ltd. and others v. Adani Power Rajasthan Limited and another[3] (hereinafter referred to as "**Adani Rajasthan case**") and ***MSEDCL v. APML & Ors.*** (supra).

73. He further submits that the delay in operationalization of the captive mines was not on account of any reason attributable to GKEL**.** He submits that, since the allotment of coal blocks was cancelled on account of the judgment of this Court in the case of ***Manohar Lal Sharma v. The Principal Secretary & Ors.***[4], GKEL was also entitled for the benefit for the said period.

74. Insofar as Busy Season Surcharge is concerned, he submits that there is a concurrent finding of fact. He submits that, in any case, the said charges are issued by the Railway Board by issuing Notifications/Circulars. He submits that since the Railway is an instrumentality of the State, both the CERC and the learned APTEL have concurrently held that the Generator would be entitled to compensation on the ground of 'Change in Law'.

[3] **2020 SCC Online SC 697**
[4] **(2014) 9 SCC 516 and 2014 (9) SCC 614**

Civil Appeal No. 39 of 2021

75. This appeal filed by the DNH-DISCOM arises out of the judgment and order dated 13th October 2020, passed by the learned APTEL in Appeal No.283 of 2019 & I.A. Nos. 2188 & 1229 of 2019, thereby dismissing the said appeal arising out of the judgment and order passed by the CERC dated 16th May 2019.

76. The DNH-DISCOM had initiated a competitive bidding process through issuance of a Request for Proposal ("RFP" for short) in March 2012 for procurement of power on Long Term Basis under Case-1 bidding procedure. As per the RFP, the cut-off date was 1st June 2012.

77. The respondent-GWEL emerged as the successful bidder for supplying Aggregated Contracted Capacity of 200 MW at a levelized tariff of Rs.4.618 per Unit.

78. Accordingly, Letter of Intent (LoI) was issued by DNH-DISCOM on 14th August 2012. An application/petition being Petition No.87/2012 came to be filed before the Joint Electricity Regulatory Commission (hereinafter referred to as "Joint

Commission") for approval of the PPA and adoption of tariff. GWEL was also joined as a co-petitioner in the said Petition. The Joint Commission, vide order dated 19th February 2013, approved the PPA. Accordingly, the PPA came to be executed on 21st March 2013.

79. GWEL filed Petition No. 8/MP/2014 before the CERC seeking compensation on certain components on the ground of 'Change in Law'. The same was decided by the CERC vide order dated 1st February 2017. Aggrieved thereby, both the appellant-DNH-DISCOM and the respondent-GWEL filed appeals before the learned APTEL. In appeal, the learned APTEL remanded the matter to the CERC vide order dated 14th August 2018 for considering certain issues. Being aggrieved by the order dated 14th August 2018, the appellant-DNH-DISCOM filed an appeal, being Civil Appeal No.11910 of 2018, before this Court. The said appeal is also being decided in the present batch of appeals, by this common judgment.

80. On remand, the CERC passed an order dated 16th May 2019 and allowed the claim of GWEL/Generator on the ground of 'Change in Law' occurring on account of the enforcement of the 'Scheme for Harnessing and Allocating Koyala (Coal) Transparently in India' ("SHAKTI Policy" for short). Being aggrieved thereby, DNH-DISCOM had filed an appeal before the learned APTEL. As stated herein above, the same was dismissed by the learned APTEL vide the impugned judgment.

81. We have heard Mr. C.A. Sundaram, learned Senior Counsel appearing on behalf of the DNH-DISCOM and Mr. Niranjan Reddy, learned Senior Counsel appearing on behalf of the respondent-GWEL.

82. Mr. C.A. Sundaram submits that, from the presentation which was given by the GWEL, it was apparent that it was given on the basis that coal supply would be restricted only to 65%. He submits that, as such, the grant of benefit on account of 'Change in Law' on the ground that there was 100% assurance by CIL is

not permissible. He, therefore, submits that the judgment and order of the learned APTEL deserves to be set aside to that extent.

83. Mr. Niranjan Reddy, on the contrary, submits that the bid of GWEL was submitted on 8th June 2012, on which date NCDP 2007 was in force. He submits that, subsequently, the NCDP 2007 was modified on 31st July 2013 and thereafter SHAKTI Policy has come into effect on 22nd May 2017 and, as such, judgment and order of the learned APTEL warrants no interference.

Civil Appeal No. 5005 of 2022 and Civil Appeal No. 4089 of 2022

84. These appeals challenge the common judgment and order dated 22nd March 2022 passed by the learned APTEL in Appeal No. 118 of 2021 and 40 of 2022, filed by Rattan India Power Limited (hereinafter referred to as "Rattan India") and Adani Power Maharashtra Limited (for short, "APML") respectively, thereby challenging the orders dated 1st January 2019 and 3rd August 2018, passed by Maharashtra Electricity Regulatory

Commission (hereinafter referred to as 'MERC') in Case No. 227 of 2018 and Case No. 124 of 2018 respectively.

85. The facts in brief giving rise to the present appeals are as under:

Rattan India has entered into PPAs dated 22nd April 2010 and 5th June 2010 with MSEDCL for supply of 1200 MW aggregate power at levelized tariff of Rs.3.260 KWH for a period of 25 years. It filed a petition before MERC, being Case No. 227 of 2018, claiming compensation on the ground of 'Change in Law' occurring on account of the circular dated 19th December 2017 issued by CIL, vide which it levied the Evacuation Facility Charges (for short, "EFC"). The same was rejected by MERC, vide order dated 1st January 2019. A similar petition being Case No. 124 of 2018 was also filed by APML, raising a similar claim before MERC, which was also rejected by MERC, vide its earlier order dated 3rd August 2018.

86. Being aggrieved thereby, Rattan India had filed an Appeal No. 118 of 2021 and APML had preferred an Appeal No. 40 of

2022. By the impugned order, the learned APTEL had held EFC imposed by CIL vide Circular dated 19th December 2017 to be a 'Change in Law' event and, accordingly, held the Generators to be entitled to compensation on the said ground. Being aggrieved thereby, the MSEDCL has preferred these appeals.

87. We have heard Shri Balbir Singh, learned Additional Solicitor General (for short, "ASG") and Shri G. Saikumar, learned counsel appearing on behalf of the appellant and Shri Sajan Poovayya, learned Senior Counsel for the respondents in Civil Appeal No. 5005 of 2022 and Shri Vishrov Mukherjee, learned counsel appearing on behalf of the respondents in Civil Appeal No. 4089 of 2022.

88. Shri Balbir Singh, relying on Clause 9.1 of the Coal Supply Agreement (for short, "CSA") dated 28th December 2012 entered into between Southeastern Coalfields Limited and APML, submitted that CSA defines as to what shall be the base price of coal. He submitted that Clause 9.2 of the said CSA specifically provides for other charges which are permissible. Relying on

Clause 9.4 of the CSA, he submitted that in all cases, the entire freight charges, irrespective of the mode of transportation of coal supplied, shall be borne by the purchaser. The learned ASG submitted that the EFC does not partake the character of a statutory levy. However, he submitted that, in any case, it does not have the force of law. He, therefore, submitted that APTEL has grossly erred in holding the circular of CIL dated 19th December 2017 to qualify as 'Change in Law'.

89. Shri Singh further submitted that the direction to pay the carrying cost at the rate provided for Late Payment Surcharge (for short, "LPS") is also not permissible in law. He submitted that this Court, in ***Adani Rajasthan case*** (supra), has directed the carrying cost to be paid at the rate of 9% and as such, in the present case, it ought to have been directed to be paid at the same rate.

90. Shri Singh also relies on the judgment of this Court in the case of ***Ashoka Smokeless Coal India (P) Limited and Others***

v. Union of India and Others[5] in support of the proposition that CIL is free to fix the price of coal and that the Union of India has no control over it.

91. Shri Poovayya, on the contrary, submitted that the levy is mandatory in nature. Unless the said levies are paid, the coal would not be supplied. He further submitted that since the CIL is an instrumentality of the Government, the order issued by it would amount to a law within the definition of "Law" as defined in the PPA. He further submitted that insofar as the carrying cost is concerned, there is a specific provision in the PPA in Article 11.8.3, which is binding on the parties. He submitted that on account of non-payment of the dues of the generating companies by DISCOMS, the generating companies are required to borrow the funds at the market rate and as such, applying the restitutionary principle, it is entitled to carrying cost as provided under the agreement.

[5] **(2007) 2 SCC 640**

III. ADDITIONAL ISSUES

92. After hearing the learned counsel for the parties at length, we find that, apart from the three issues that were already decided by this Court in the case of ***MSEDCL v. APML & Ors.*** (supra), the issues as to whether the following components could be considered as 'Change in Law' events fall for consideration herein:

(i) Busy Season Surcharge & Development Surcharge and Port Congestion Surcharge;

(ii) MoEF Notification on coal quality;

(iii) Shortfall in linkage coal due to Change in NCDP;

(iv) Forest Tax;

(v) Add on Premium price.

(vi) Evacuation Facility Charges (EFC).

Apart from that, another question that requires consideration is, as to whether various taxes/charges imposed

by various State Governments would also fall under 'Change in Law' events or not.

The other question that requires considerations is, as to whether at what rate the Generators would be entitled to 'carrying cost'.

IV. CONSIDERATION

93. For appreciating the rival submissions, we will have to construe the term "Law", which has been defined in the PPAs, which reads thus:

> ""Law" means, in relation to this Agreement, all laws including Electricity Laws in force in India and any statute, ordinance, regulation, Notification or code, rule, or any interpretation of any of them by an Indian Governmental Instrumentality and having force of law and shall further include all applicable rules, regulations, orders, Notifications by an Indian Governmental Instrumentality pursuant to or under any of them and shall include all rules, regulations, decisions and orders of the CERC and the MERC."

94. Perusal of the definition of the term "Law" itself would clearly show that the term "Law" would mean all laws including

Electricity Laws in force in India and any statute, ordinance, regulation, Notification or code, rule, or any interpretation of any of them by an Indian Governmental Instrumentality and having force of law. It would further reveal that the term "Law" shall also include all applicable rules, regulations, orders, Notifications by an Indian Governmental Instrumentality and shall also include all rules, regulations, decisions and orders of the CERC and the MERC.

95. In any case, the issue as to what would amount to "Law" is no more *res integra*. This Court, in the case of ***Energy Watchdog*** (supra), has observed thus:

> "**57.** Both the letter dated 31-7-2013 and the revised Tariff Policy are statutory documents being issued under Section 3 of the Act and have the force of law. This being so, it is clear that so far as the procurement of Indian coal is concerned, to the extent that the supply from Coal India and other Indian sources is cut down, the PPA read with these documents provides in Clause 13.2 that while determining the consequences of change in law, parties shall have due regard to the principle that the purpose of compensating the party affected by such

> change in law is to restore, through monthly tariff payments, the affected party to the economic position as if such change in law has not occurred. Further, for the operation period of the PPA, compensation for any increase/decrease in cost to the seller shall be determined and be effective from such date as decided by the Central Electricity Regulation Commission. This being the case, we are of the view that though change in Indonesian law would not qualify as a change in law under the guidelines read with the PPA, change in Indian law certainly would."

96. The aforesaid view of this Court taken in the case of ***Energy Watchdog*** (supra) has been approved by a Bench of three learned Judges of this Court in ***Adani Rajasthan case*** (supra) and also followed by this Court when the two linked matters out of this batch of appeals were decided by this Court in the case of ***MSEDCL v. APML & Ors.*** (supra). It cannot be denied that CIL is an instrumentality of the Government of India and its orders, insofar as price of fuel are concerned, are binding on all its subsidiaries.

97. It will further be relevant to refer to Clause 9.0 of the CSA, which reads thus:

"**9.0 PRICE OF COAL:**

> The "As Delivered Price of Coal" for the Coal supplies pursuant to this Agreement shall be the sum of Base Price, Other Charges and Statutory Charges, as applicable at the time of delivery of Coal."

It is thus clear that price of coal includes the sum of base price, other charges and statutory charges as applicable at the time of delivery of coal.

98. As discussed herein above, the term 'Law' would also include all applicable rules, regulations, orders, Notifications issued by an Indian Governmental Instrumentality.

99. It would thus be clear that all such additional charges which are payable on account of orders, directions, Notifications, Regulations, etc., issued by the instrumentalities of the State, after the cut-off date, will have to be considered to be 'Change in Law' events. The Generators would be entitled to compensation on the restitutionary principle on such changes occurring after the cut-off date.

100. Having held thus, we will now consider some of the components which are common in most of these appeals.

Busy Season Surcharge, Development Surcharge And Port Congestion Surcharge

101. Insofar as increase in Busy Season Surcharge, Development Surcharge on transportation of coal, and Port Congestion Surcharge by the Indian Railways are concerned, the learned APTEL had found that the Indian Railways is an instrumentality of the State. It has been found that the Busy Season Surcharge, Development Surcharge and Port Congestion Surcharge were increased from time to time vide Circulars/Notifications issued by the Ministry of Railways, through the Railway Board.

102. A Constitution Bench of this Court, in the case of ***Railway Board, Government of India v. M/s Observer Publications (P) Ltd.***[6], has held the Railway Board to be a State within the meaning of Article 12 of the Constitution of India.

[6] **(1972) 2 SCC 266**

103. As such, no error could be found in the finding of the learned APTEL that the revision of charges to be paid on Busy Season Surcharge, Development Surcharge and Port Congestion Charges from time to time by the 'Railway Board' would come within the ambit of 'Change in Law'.

MoEF Notification on Coal Quality

104. Insofar as MoEF notification on coal quality is concerned, the MoEF, vide Notification dated 2nd January 2014, i.e. subsequent to the particular cut-off date, i.e. 1st June 2012, has mandated power projects to use beneficiated coal with ash content lower than 34%. The draft notification of MoEF dated 11th July 2012 culminated into the final Notification dated 2nd January 2014. By no stretch of imagination, can it be said that MoEF is not an instrumentality of the State.

105. By the said Notification, MoEF has mandated power projects to use beneficiated coal with ash content lower than 34%. Admittedly, prior to the cut-off date, the same was not a requirement. It is thus clear that the said Notifications dated 11th

July 2012 and 2nd January 2014 would amount to "Change in Law'. As such, no fault can be found with the finding of the learned APTEL that the same would amount to 'Change in Law'.

Shortfall in Linkage Coal due to Change in NCDP

106. Insofar as shortfall in linkage coal due to changes in the NCDP issued by the Ministry of Coal ("MoC" for short) is concerned, the issue is no more *res integra*. This Court in the case of ***Energy Watchdog*** (supra) so also in ***Adani Rajasthan case*** (supra) and recently in ***MSEDCL v. APML & Ors.*** (Supra) has held that the change in NCDP would amount to 'Change in Law'.

Forest Tax

107. Insofar as Forest Tax is concerned, perusal of the material placed on record would reveal that, as on the cut-off date, there was no Forest Tax applicable on coal mined and transported from South Eastern Coalfields Limited ("SECL" for short) mines located in Forest area. For the first time, vide Notification of the Chhattisgarh State Government, Department of Forest, under

the provisions of Chhattisgarh Transit (Forest Produce Rule) 2001, a fee at the rate of Rs.7 per ton was levied. Undisputedly, the said Notification is issued by the Forest Department of the Government of Chhattisgarh, which is an instrumentality of the State. As such, no error can be found with the finding of the learned APTEL in that regard.

Add on Premium Price

108. Insofar as 'Add on premium price' is concerned, undisputedly, 'add on premium' was required to be paid on account of cancellation of captive coal blocks and inordinate delay on account of Go-No-Go policy. As such, it cannot be said that the reasoning adopted by the learned APTEL is perverse and arbitrary.

Evacuation Facility Charges (EFC)

109. Undisputedly, EFC was imposed by CIL vide its Circular dated 19th December 2017.

110. As already discussed herein above, CIL is an instrumentality of the State. It is thus clear that, on the cut-off

date, there was no requirement of EFC, which has been brought into effect only on 19th December 2017. As such, the circular of CIL dated 19th December 2017 would also amount to 'Change in Law'.

111. As discussed herein above, it is also not in dispute that EFC has been paid by the generators while paying the base price, other charges and statutory charges at the time of delivery of coal. As such, no interference would be warranted with the said finding.

112. That leaves us with the issue with regard to carrying cost.

Carrying Cost

113. This is the issue on which there is a serious contest between the DISCOMS and the Generators.

114. On one hand, it is the submission of the DISCOMS that since there is no description of the same in the PPAs, the rate for granting carrying cost should be a reasonable rate. On the contrary, it is the submission of the Generators that there is a specific provision in the PPAs, which provides that the carrying

cost has to be paid at the rate as per the rate specified for late payment surcharge. It is submitted that this is provided in the PPA so as to give effect to the restitutionary principle.

115. For considering the rival submissions, it will be apposite to refer to the following Articles, which are almost common in most of the PPAs.

> "**11.** ***Billing and payment***.—
>
> ***
>
> **11.3.** ***Payment of monthly bills***.—
>
> ***
>
> **11.3.4.** In the event of delay in payment of a monthly bill by any procurer beyond its due date, a late payment surcharge shall be payable by the procurer to the seller at the rate of two (2) per cent in excess of the applicable SBAR per annum, on the amount of outstanding payment, calculated on a day to day basis (and compounded with monthly rest), for each day of the delay.
>
> ***
>
> **11.8.** ***Payment of supplementary bill***.—
>
> **11.8.1.** Either party may raise a bill on the other party ("supplementary bill") for payment on account of:
>
> (*i*) Adjustments required by the Regional Energy Account (if applicable);
>
> (*ii*) Tariff payment for change in parameters, pursuant to provisions in Schedule 5; or

(*iii*) Change in law as provided in Article 13 and such Bill shall be paid by the other party.

***

11.8.3. In the event of delay in payment of a supplementary bill by either party beyond one month from the date of billing, a late payment surcharge shall be payable at same terms applicable to the monthly bill in Article 11.3.4."

116. A perusal of Article 11.3.4 of the PPA would reveal that in the event of delay in payment of a monthly bill by any procurer beyond its due date, a late payment surcharge shall be payable by the procurer to the seller at the rate of 2% in excess of the applicable State Bank Advance Rate ("SBAR" for short) per annum, on the amount of outstanding payment, calculated on a day to day basis (and compounded with monthly rest), for each day of the delay. Article 11.8 of the PPA deals with Payment of Supplementary Bill. It enables either party to raise a supplementary bill on the other party for payment on account of certain events. Clause (iii) of Article 11.8.1 of the PPA deals with 'Change in Law' as provided in Article 13. It requires the bill to

be paid by the other party. Article 11.8.3 of the PPA also provides that in the event of delay in payment of a supplementary bill by either party beyond one month from the date of billing, a late payment surcharge shall be payable at same terms applicable to the monthly bill in Article 11.3.4.

117. This Court in the case of ***Uttar Haryana Bijli Vitran Nigam Limited (UNHVNL) and another v. Adani Power Limited and others***[7], after considering the provisions of Article 11, which deals with 'Billing' and Article 13, which deals with 'Change in Law', has observed thus:

> "**9.** It will be seen that Article 13.4.1 makes it clear that adjustment in monthly tariff payment on account of change in law shall be effected from the date of the change in law [*see* sub-clause (*i*) of clause 4.1], in case the change in law happens to be by way of adoption, promulgation, *amendment*, re-enactment or repeal of the law or change in law. As opposed to this, if the change in law is on account of *a change in interpretation of law* by a judgment of a Court or Tribunal

[7] **(2019) 5 SCC 325**

or governmental instrumentality, the case would fall under sub-clause (*ii*) of clause 4.1, in which case, the monthly tariff payment shall be effected from the date of the said order/judgment of the competent authority/Tribunal or the governmental instrumentality. What is important to notice is that Article 13.4.1 is subject to Article 13.2 of the PPAs.

10. Article 13.2 is an in-built restitutionary principle which compensates the party affected by such change in law and which must restore, through monthly tariff payments, the affected party to the same economic position as if such change in law has not occurred. This would mean that by this clause a fiction is created, and the party has to be put in the same economic position as if such change in law has not occurred i.e. the party must be given the benefit of restitution as understood in civil law. Article 13.2, however, goes on to divide such restitution into two separate periods. The first period is the "construction period" in which increase/decrease of capital cost of the project in the tariff is to be governed by a certain formula. However, the seller has to provide to the procurer documentary proof of such increase/decrease in capital

cost for establishing the impact of such change in law and in the case of dispute as to the same, a dispute resolution mechanism as per Article 17 of the PPA is to be resorted to. It is also made clear that compensation is only payable to either party only with effect from the date on which the total increase/decrease exceeds the amount stated therein.

11. So far as the "operation period" is concerned, compensation for any increase/decrease in revenues or costs to the seller is to be determined and effected from such date as is decided by the appropriate Commission. Here again, this compensation is only payable for increase/decrease in revenue or cost to the seller if it is in excess of an amount equivalent to 1% of the Letter of Credit in aggregate for a contract year. What is clear, therefore, from a reading of Article 13.2, is that restitutionary principles apply in case a certain threshold limit is crossed in both sub-clauses (*a*) and (*b*). There is no dispute that the present case is covered by sub-clause (*b*) and that the aforesaid threshold has been crossed. The mechanism for claiming a change in law is then set out by Article 13.3 of the PPA."

118. It could thus be seen that this Court has held that insofar as the "operation period" is concerned, compensation for any increase/decrease in revenues or costs to the seller is to be determined and effected from such date as is decided by the appropriate Commission. It has further been held that the compensation is only payable for increase/decrease in revenue or cost to the seller if it is in excess of an amount equivalent to 1% of the Letter of Credit in aggregate for a contract year. It has been held that restitutionary principles apply in case a certain threshold limit is crossed. It has been held that an in-built restitutionary principle compensates the party affected by such 'Change in Law' and the affected party must be restored through monthly tariff payment to the same economic position as if such 'Change in Law' had not occurred.

119. From the perusal of paragraph 9, it would also be clear that in case the 'Change in Law' happens to be by way of adoption, promulgation, amendment, re-enactment or repeal of the law or

'Change in Law', it has to be effected from the date on which such change occurs.

120. In this respect, it will also be apposite to refer to the following observations of this Court in the case of ***Maharashtra State Electricity Distribution Company Limited v. Maharashtra Electricity Regulatory Commission and Others***[8]:

> "**173.** The APTEL correctly found that: (*Maharashtra Pradesh Electricity Regulatory Commission case* [*Maharashtra State Electricity Distribution Co. Ltd.* v. *Maharashtra Pradesh Electricity Regulatory Commission*, 2021 SCC OnLine APTEL 13] , SCC OnLine APTEL para 13)
>
> > "*13*. … On the contrary, there is a *conscious exclusion regarding any suo motu change in the rate to be applied while calculating LPS*, it being incorrect to argue on the assumption that the contract permits automatic change in system."
> >
> > (emphasis supplied)

[8] **(2022) 4 SCC 657**

174. This Court is unable to accept Mr Singh's submission that the conclusion of APTEL that LPS is not tariff is erroneous. The meaning of the expression tariff has to be considered, and has rightly been considered by APTEL in the context of the relevant provision of the power purchase agreements. The dictionary meaning of tariff may be charge. However, in Article 13 of the Stage 1 and Article 10 of the Stage 2 power purchase agreements, tariff means monthly tariff and tariff adjustment consequential to change in law, is of monthly tariff in respect of supply of electricity.

175. As argued by the respondent power generating companies appearing through Mr Rohatgi, Mr Singhvi, Mr Mukherjee and Ms Anand respectively, LPS is only payable when payment against monthly bills is delayed and not otherwise.

176. The object of LPS is to enforce and/or encourage timely payment of charges by the procurer i.e. the appellant. In other words, LPS dissuades the procurer from delaying payment of charges. The rate of LPS has no bearing or impact on tariff. Changes in the basis of the rates of LPS do not affect the rate at which power was agreed to be sold and purchased under the power purchase agreements. The principle of restitution

under the change in law provisions of the power purchase agreements are attracted in respect of tariff.

177. LPS cannot be equated with carrying cost or actual cost incurred for the supply of power. The appellant has a contractual obligation to make timely payment of the invoices raised by the power generating companies, subject, of course, to scrutiny and verification of the same. Mr Mukul Rohatgi has a point that if the funding cost was so much lesser than the rate of LPS, as contended by the appellant, the appellant could have raised funds at a lower rate of interest, made timely payment of the invoices raised by the power generating companies, and avoided LPS.

178. The proposition that courts cannot rewrite a contract mutually executed between the parties, is well settled. The Court cannot, through its interpretative process, rewrite or create a new contract between the parties. The Court has to simply apply the terms and conditions of the agreement as agreed between the parties, as observed by this Court in *Shree Ambica Medical Stores* v. *Surat People's Coop. Bank* [*Shree Ambica Medical Stores* v. *Surat People's Coop. Bank Ltd.*, (2020) 13 SCC 564, para 20] , cited by Ms Divya Anand. This

> appeal is an attempt to renegotiate the terms of the PPA, as argued by Ms Divya Anand as also other counsel. It is well settled that courts cannot substitute their own view of the presumed understanding of commercial terms by the parties, if the terms are explicitly expressed. The explicit terms of a contract are always the final word with regard to the intention of the parties, as held by this Court in *Nabha Power Ltd.* v. *Punjab SPCL* [*Nabha Power Ltd.* v. *Punjab SPCL*, (2018) 11 SCC 508, paras 45 and 72 : (2018) 5 SCC (Civ) 1], cited by Ms Anand."

121. This Court has clearly held that the DISCOMS have a contractual obligation to make timely payment of the invoices raised by the power generating companies, subject to scrutiny and verification of the same. This Court has rejected the contention that the funding cost was much lesser than the rate of LPS. This Court has reiterated the proposition that the courts cannot rewrite a contract which is executed between the parties. This Court has emphasized that it cannot substitute its own view of the presumed understanding of commercial terms by the parties, if the terms are explicitly expressed. It has been held that

the explicit terms of a contract are always the final word with regard to the intention of the parties.

122. As already discussed hereinabove, Article 11.8 of the PPA entitles either party to raise a supplementary bill on the other party on account of 'Change in Law' as provided in Article 13 and such bills are required to be paid by the either party. Article 11.8.3 of the PPA specifically provides that in the event of delay in payment of a supplementary bill by either party beyond one month from the date of billing, a late payment surcharge shall be payable at the same terms applicable to the monthly bill in Article 11.3.4. Article 11.3.4 of the PPA specifically provides a late payment surcharge to be paid by the procurer to the seller at the rate of 2% in excess of the applicable SBAR per annum on the amount of outstanding payment calculated on day to day basis (and compounded with monthly rest), for each day of the delay.

123. Recently, this Court, in the case of ***Uttar Haryana Bijli Vitran Nigam Limited and Another v. Adani Power (Mundra)***

Limited and Another*[9]*, had an occasion to consider the similar issue. The Court observed thus:

> "**20.** It is clear that the restitutionary principles encapsulated in Article 13.2 would take effect for computing the impact of change in law. We see no reason to interfere with the impugned judgment [*Adani Power (Mundra) Ltd.* v. *CERC*, 2021 SCC OnLine APTEL 67] , wherein it has been held by the Appellate Tribunal that Respondent 1 Adani Power had started claiming change in law event compensation in respect of installation of FGD unit along with carrying cost, right from the year 2012 and that it has approached several fora to get this claim settled. Respondent 1 Adani Power finally succeeded in getting compensation towards FGD unit only on 28-3-2018, but the carrying cost claim was denied. The relief relating to carrying cost was granted to Respondent 1 Adani Power by the Appellate Tribunal vide order dated 13-4-2018 [*Adani Power Ltd.* v. *CERC*, 2018 SCC OnLine APTEL 5] which was duly tested by this Court and upheld on 25-2-2019 [*Uttar Haryana Bijli Vitran Nigam Ltd.* v. *Adani Power Ltd.*, (2019) 5 SCC 325 : (2019) 2 SCC (Civ) 657] . Once carrying cost has been granted in favour of Respondent 1 Adani Power, it cannot be urged by the appellants that interest on carrying cost should be calculated on simple interest basis instead of

[9] **(2023) 2 SCC 624**

compound interest basis. Grant of compound interest on carrying cost and that too from the date of the occurrence of the change in law event is based on sound logic. The idea behind granting interest on carrying cost is not far to see, it is aimed at restituting a party that is adversely affected by a change in law event and restore it to its original economic position as if such a change in law event had not taken place.

xxx xxx xxx

23. We are not persuaded by the submission made on behalf of the appellants that since no fault is attributable to them for the delay caused in determination of the amount, they cannot be saddled with the liability to pay interest on carrying cost; nor is there any substance in the argument sought to be advanced that there is no provision in the PPAs for payment of compound interest from the date when the change in law event had occurred.

24. The entire concept of restitutionary principles engrained in Article 13 of the PPAs has to be read in the correct perspective. The said principle that governs compensating a party for the time value for money, is the very same principle that would be invoked and applied for grant of interest on carrying cost on account of a change in law event. Therefore, reliance on Article 11.3.4 read with Article 11.8.3 on the part of the

> appellants cannot take their case further. Nor does the decision in *Priya Vart case* [*Priya Vart* v. *Union of India*, (1995) 5 SCC 437] have any application to the facts of the present case as the said case relates to payment of compensation under the Land Acquisition Act and the interest that would be payable in case of delayed payment of compensation."

124. It is thus clear that this Court has reiterated that once carrying cost has been granted, it cannot be urged that interest on carrying cost should be calculated on simple interest basis instead of compound interest basis. It has been held that grant of compound interest on carrying cost and that too from the date of the occurrence of the 'Change in Law' event is based on sound logic. It has been held that it is aimed at restituting a party that is adversely affected by a 'Change in Law' event and restore it to its original economic position as if such a 'Change in Law' event had not taken place.

125. The argument that there is no provision in the PPAs for payment of compound interest from the date when the 'Change

in Law' event had occurred, has been specifically rejected by this Court.

126. In view of this consistent position of law and application of restitutionary principles and privity of contractual obligations between the parties as contained in the PPAs, we do not find that the view taken by the learned APTEL with regard to carrying cost warrants interference.

Concurrent Finding of Fact

127. Apart from the aforesaid issues, there is one another common thread in all these appeals. Many of these appeals arise out of concurrent findings recorded by the Central/State Electricity Regulatory Commissions and the learned APTEL.

128. This Court, in the case of ***MSEDCL v. APML & Ors.*** (supra), after considering the statutory provisions in the Electricity Act, 2003, held that the CERC, SERCs and the learned APTEL are bodies consisting of experts in the field.

129. This Court, in the said case, observed thus:

"**120.** It could thus be seen that two expert bodies i.e. the CERC and the learned APTEL have concurrently held, after examining the material on record, that the factors of SHR and GCV should be considered as per the Regulations or actuals, whichever is lower. The CERC as well as the State Regulatory bodies, after extensive consultation with the stakeholders, had specified the SHR norms in respective Tariff Regulations. In addition, insofar as GCV is concerned, the CEA has opined that the margin of 85-100 kcal/kg for a non-pit head station may be considered as a loss of GCV measured at wagon top till the point of firing of coal in boiler.

121. In this respect, we may refer to the following observations of this Court in the case of *Reliance Infrastructure Limited* v. *State of Maharashtra* [(2019) 3 SCC 352].

> "**38.** MERC is an expert body which is entrusted with the duty and function to frame regulations, including the terms and conditions for the determination of tariff. The Court, while exercising its power of judicial review, can step in where a case of manifest unreasonableness or arbitrariness is made out. Similarly, where the delegate of the legislature has

failed to follow statutory procedures or to take into account factors which it is mandated by the statute to consider or has founded its determination of tariffs on extraneous considerations, the Court in the exercise of its power of judicial review will ensure that the statute is not breached. However, it is no part of the function of the Court to substitute its own determination for a determination which was made by an expert body after due consideration of material circumstances.

39. In *Assn. of Industrial Electricity Users* v. *State of A.P.* [*Assn. of Industrial Electricity Users* v. *State of A.P.*, (2002) 3 SCC 711] a three-Judge Bench of this Court dealt with the fixation of tariffs and held thus : (SCC p. 717, para 11)

> "*11*. We also agree with the High Court [*S. Bharat Kumar* v. *State of A.P.*, 2000 SCC OnLine AP 565 : (2000) 6 ALD 217] that the judicial review in a matter with regard to fixation of tariff has not to be as that of an appellate authority in exercise of its jurisdiction under Article 226 of the Constitution. All that the High Court has to be satisfied with is that the Commission has followed the proper procedure and

> unless it can be demonstrated that its decision is on the face of it arbitrary or illegal or contrary to the Act, the court will not interfere. Fixing a tariff and providing for cross-subsidy is essentially a matter of policy and normally a court would refrain from interfering with a policy decision unless the power exercised is arbitrary or ex facie bad in law."
>
> **xxx xxx xxx**
>
> **123.** Recently, the Constitution Bench of this Court in the case of *Vivek Narayan Sharma* v. *Union of India* [2023 SCC OnLine SC 1] has held that the Courts should be slow in interfering with the decisions taken by the experts in the field and unless it is found that the expert bodies have failed to take into consideration the mandatory statutory provisions or the decisions taken are based on extraneous considerations or they are *ex facie* arbitrary and illegal, it will not be appropriate for this Court to substitute its views with that of the expert bodies."

130. As is indicated in the aforesaid judgments, this Court should be slow in interfering with the concurrent findings of fact

unless they are found to be perverse, arbitrary and either in ignorance of or contrary to the statutory provisions.

V. CONCLUSION

131. In the light of our aforesaid findings, we will now consider each of the appeals independently.

Civil Appeal No. 11095 of 2018 and Civil Appeal Nos. 11910-11911 of 2018

132. In these batch of appeals, insofar as the appeal of DNH-DISCOM is concerned, they are aggrieved by the order of the learned APTEL allowing Busy Season Surcharge and Development Surcharge, MoEF Notification on coal quality and Change in NCDP. They are also aggrieved by the finding of the learned APTEL with regard to carrying cost.

133. Insofar as the compensation on the ground of Change in NCDP is concerned, as already discussed, the same is squarely covered by the judgment of this Court in the case of ***MSEDCL v. APML & Ors.*** (supra)

134. Insofar as the Busy Season Surcharge and Development Surcharge are concerned, they are issued under the Circulars/Notifications of Indian Railways. The notification on coal quality is issued by MoEF. All these are the instrumentalities of the State, and these would, therefore, amount to 'Change in Law'.

135. Insofar as rest of the claims, which are concurrently allowed and disallowed by both the CERC and the learned APTEL, are concerned, in view of the judgments of this Court on this issue, as stated above, we do not find any reason to interfere with the same, not noticing any perversity, arbitrariness and/or any contravention of the statutory provisions. The appeals of both the Generator and the DNH-DISCOM are, therefore, liable to be dismissed.

Civil Appeal Nos.4628-4629 of 2021

136. The learned APTEL allowed the claim of the Generator only on the ground of Busy Season Surcharge and Development Surcharge on transportation of coal, and the Carrying Cost.

137. In view of our finding on the issues as above, no error can be found with the finding of the learned APTEL in that regard. We find no merit in the appeals. The appeals are, accordingly, liable to be dismissed.

Civil Appeal Nos. 12055-12056 of 2018

138. The issue of Busy Season Surcharge, Development Surcharge and Port Congestion Surcharge have already been considered by us herein above. All these are charges under the Notifications issued by the Indian Railways, through the Railway Board. As such, no error can be found with the finding of the learned APTEL that they would amount to 'Change in Law' events.

139. Insofar as levy of 'Forest Tax' is concerned, the same is levied by the State Government under the statutory provisions.

140. The issue with regard to 'Carrying Cost' has also been discussed by us herein above.

141. In that view of the matter, we do not find any reason to interfere with the order of the learned APTEL. The appeals are, accordingly, liable to be dismissed.

Civil Appeal Nos. 2935-2936 of 2020

142. In addition to the 'Change in Law' benefits granted by the State Commission, 'Coal Terminal Surcharge', 'Chhattisgarh Paryavaran Upkar' and 'Chhattisgarh Vikas Upkar' were also considered to be 'Change in Law' events by the learned APTEL.

143. The 'Coal Terminal Surcharge' was levied by the Indian Railways subsequent to the cut-off date. Similarly, the Government of Chhattisgarh, under Section 8 of the Chhattisgarh Adhosanrachna Vikas Evam Paryavaran Upkar Adhiniyam, 2005, vide Notification dated 16th June 2015, which is admittedly after the cut-off date, introduced 'Chhattisgarh Paryavaran Upkar' and 'Chhattisgarh Vikas Upkar'. Even the Change in Swacch Bharat Cess at the rate of 0.5% on Service Tax for Operation Period and Change in Krishi Kalyan Cess at the rate of 5% on Service Tax for Operation Period, which had been

granted concurrently by the State Commission and the learned APTEL, were notified by the Union of India after the cut-off date.

144. It could thus be seen that all these additional taxes or cesses were introduced by the instrumentalities of the Government of India or by the Government of Chhattisgarh. The same are issued under the provisions of the concerned statutes, rules, notifications, orders, etc. It is thus clear that they would amount to 'Law' within the meaning of the term 'Law' as defined in the PPAs. As such, no error can be found with the order of the learned APTEL.

145. We, therefore, find no merit in the appeals. The appeals are, accordingly, liable to be dismissed.

Civil Appeal No. 3123 of 2019 and Civil Appeal No.5372 of 2019

146. In the present matter, in addition to the claims granted by the CERC, the learned APTEL also granted the following claims:

(i) Change in NCDP (cancellation of Captive Block vis-à-vis tapering linkage),

(ii) Busy Season Surcharge and Developmental Surcharge,

(iii) Carrying Cost; and

(iv) Add on Premium Price.

147. Insofar as the issue with regard to change in NCDP is concerned, this Court in the case of ***Energy Watchdog*** *(supra)* so also in **Adani Rajasthan case** (supra) and recently in ***MSEDCL v. APML & Ors.*** (Supra) has held that the change in NCDP would amount to 'Change in Law'. As such, the finding in that regard warrants no interference.

148. Insofar as Busy Season Surcharge and Development Surcharge are concerned, we have already discussed hereinabove as to how it would amount to 'Change in Law'.

149. Insofar as 'Add on premium price' is concerned, undisputedly, 'add on premium' was required to be paid on account of cancellation of captive coal blocks and inordinate delay on account of Go-No-Go policy. As such, it cannot be said that the reasoning adopted by the learned APTEL is perverse and arbitrary.

150. Insofar as the issue with regard to 'carrying cost' is concerned, we have already discussed the issue at length in the foregoing paragraphs. As such, no interference is warranted on that finding also.

151. Insofar as other claims which were concurrently allowed and disallowed by the CERC and the learned APTEL are concerned, in view of the concurrent findings, we are not inclined to interfere with the same.

152. The appeals of both DISCOMS as well as Generating Companies are, therefore, liable to be dismissed.

Civil Appeal No. 6641 of 2019

153. This appeal is filed by GKEL, being aggrieved by the concurrent denial of benefits on certain components.

154. As already discussed herein above by us, in view of the concurrent findings recorded by the CERC as well as the learned APTEL for disallowing the claims, we are not inclined to interfere with the same. The appeal is, accordingly, liable to be dismissed.

Civil Appeal Nos. 5583-5584 of 2021

155. In the present case, the benefit is granted on following grounds:

(i) Shortfall in domestic coal on account of Change in NCDP;

(ii) Add on premium on account of existing tapering linkage by three years;

(iii) Busy Season Surcharge

156. The first issue sands covered by the judgments of this Court in the cases of ***Energy Watchdog*** (supra), ***Adani Rajasthan case*** (supra) and ***MSEDCL v. APML & Ors.*** (supra) and as such, no interference is warranted.

157. Insofar as Busy Season Surcharge is concerned, apart from there being concurrent findings of facts, we have already given reasons herein above as to how the same would amount to 'Change in Law'.

158. We do not find any merit in the appeals. The same are, accordingly, liable to be dismissed.

Civil Appeal No. 39 of 2021

159. The CERC has granted benefit on the following grounds.

i. Shortfall in linkage coal on account of NCDP 2013 and SHAKTI Policy;

ii. Change in coal quality pursuant to amendment of the Environment (Protection) Rules, 1986;

iii. Increase in Busy Season Surcharge and Development Surcharge on transportation of coal by Indian Railways; and

iv. Carrying cost on allowed 'Change in Law' claims.

160. The view taken by the CERC has been affirmed by the learned APTEL. As such, the appeal arises out of the concurrent findings of fact.

161. Insofar as first issue with regard to benefit of 'Change in Law' event on account of NCDP 2013 is concerned, the same is squarely covered by the judgments of this Court in the cases of

Energy Watchdog (supra), ***Adani Rajasthan case*** (supra) and ***MSEDCL v. APML & Ors.*** (supra).

162. Insofar as the benefit of 'Change in Law' on account of SHAKTI Policy is concerned, it is covered by the judgment and order of the even date of this Court in the case of Civil Appeal No. 5684 of 2021[10] and in the case of Civil Appeal Nos. 677-678 of 2021[11].

163. The other components, i.e. change in coal quality pursuant to amendment of the Environment (Protection) Rules, 1986, and increase in Busy Season Surcharge and Development Surcharge on transportation of coal by Indian Railways, have already been considered by us herein to amount to 'Change in Law' events. We have also considered the issue regarding 'Carrying Cost'. As such, no interference is warranted in the concurrent findings by the learned APTEL, especially in view of the judgments of this Court. The appeal is, accordingly, liable to be dismissed.

[10] **Uttar Haryana Bijli Vitran Nigam Limited and another v. Adana Power (Mundra) Limited and another**
[11] **Maharashtra State Electricity Distribution Company Limited v. Adani Power Maharashtra Limited and another**

Civil Appeal No. 5005 of 2022 and Civil Appeal No. 4089 of 2022

164. The appeals are filed being aggrieved by the order of the learned APTEL granting compensation on account of 'EFC' and 'carrying cost'.

165. Undisputedly, the EFC was imposed by CIL vide its Circular dated 19th December 2017.

166. As discussed herein above, it is not in dispute that EFC has been paid by the Generators while paying the base price, other charges and statutory charges at the time of delivery of coal. As such, no interference is warranted with the said finding.

167. Insofar as 'carrying cost' is concerned, we have elaborately discussed the said issue herein above. As such, no interference, therefore, is warranted on the said issue also.

168. We do not find any merit in the appeals. The same are, accordingly, liable to be dismissed.

VI. EPILOGUE

169. Before we part with the judgment, we must note that we have come across several appeals in the present batch which arise out of concurrent findings of fact arrived at by two statutory bodies having expertise in the field. We have also found that in some of the matters, the appeals have been filed only for the sake of filing the same. We also find that several rounds of litigation have taken place in some of the proceedings.

170. Recently, this Court, in the case of ***MSEDCL v. APML & Ors.*** (supra), has noted that one of the reasons for enacting the Electricity Act, 2003 was that the performance of the Electricity Boards had deteriorated on account of various factors. The Statement of Objects and Reasons of the Electricity Act, 2003 would reveal that one of the main features for enactment of the Electricity Act was delicensing of generation and freely permitting captive generation. In the said judgment, we have recorded the statement of the learned Attorney General made in the case of ***Energy Watchdog*** (supra) that the electricity sector, having been

privatized, had largely fulfilled the object sought to be achieved by the Electricity Act. He had stated that delicensed electricity generation resulted in production of far greater electricity than was earlier produced. The learned Attorney General had further urged the Court not to disturb the delicate balance sought to be achieved by the Electricity Act, i.e. that the producers or generators of electricity, in order that they set up power plants, be entitled to a reasonable margin of profit and a reasonable return on their capital, so that they are induced to set up more and more power plants. At the same time, the interests of the end consumers also need to be protected.

171. However, we find that, in spite of this position, litigations after litigations are pursued. Though the concurrent orders of statutory expert bodies cannot be said to be perverse, arbitrary or in violation of the statutory provisions, the same are challenged.

172. It will be relevant to note the following observations of the CERC in its judgment and order dated 16th May 2019, passed in

Petition No. 8/MP/2014, which falls for consideration in Civil Appeal No. 39 of 2021 before this Court:

> "(d) Approaching the Commission every year for allowance of compensation for such Change in Law is a time-consuming process. Accordingly, the mechanism prescribed above may be adopted for payment of compensation due to Change in Law events allowed as per PPA for the subsequent period as well."

173. It will also be relevant to refer to some of the observations of the learned APTEL in its order dated 21st December 2021, which falls for consideration in Civil Appeal No.2908 of 2022 before this Court, which read thus:

> "115. The Standing Committee of Parliament in its Report (dated 07.03.2018) on Energy titled '*Stressed/ Non-Performing Assets in Electricity Sector*' has recognized the financial stress faced by generating companies on account of delay in recovery of Change in Law compensations and has recommended thus:
>
> "*The Committee, therefore, recommend that appropriate steps should be taken to ensure that* **there should be consistency and uniformity with**

regard to orders emanating from the status of change in law. Provisions should also be made for certain percentage of payments of regulatory dues to be paid by Discoms in case the orders of regulators are being taken to APTEL/ higher judiciary for their consideration and decision"

116. The Report lays stress on the obligation of the distribution companies to pay the approved Change in Law compensation even while Regulatory Commission's orders are challenged. ***The Policy directive dated 27.08.2018 issued in terms of Section 107 of the Electricity Act, 2003 by the Ministry of Power (MoP) to the CERC emphasized on the need to ensure expeditious recovery of Change in Law compensation. The desirability of this was recognized by this tribunal in its judgment dated 14.09.2019 in Jaipur Vidyut Vitran Nigam Limited vs. RERC & Ors, 2019 SCC Online APTEL 98. It is against such backdrop that Electricity (Timely Recovery of Costs due to Change in Law) Rules, 2021, notified by MoP on 22.10.2021, providing for timely recovery of compensation on account of occurrence of Change in Law events have been framed.*** The MoP, vide notification dated 09.11.2021, put in public domain the policy directive

on "*Automatic pass through of the fuel and power procurement cost in tariff for ensuring the viability of the power*" recognizing that in order to ensure that the power sector does not face any constraints in maintaining assured power supply to meet the demand, all the stakeholders in the value chain of power sector must ensure that there is timely recovery of cost. This involves the cost *pass through* by the generating companies to the distribution companies.

117. In sharp contrast, it is seen from the factual narrative of the events leading to the appeal at hand that the appellants (Haryana Utilities) have been adopting dilatory tactics which not only defeats the public policy but also has the undesirable fall-out of adding to the burden of the end-consumers they profess to serve on account of increasing Carrying Cost.

118. Concededly, in compliance with the Taxes and Duties Order dated 06.02.2017, the appellants paid to the generator the taxes and duties for certain period but, thereafter, unilaterally withheld such claims, raising issues (found merit-less) regarding IPT of coal for first time in January 2018. It is after the impugned order was passed that the appellants are stated to have started complying, to an

extent, by making payments. It is the case of the first respondent that the appellants have withheld past payments including towards taxes and duties its entitlement to recover corresponding Late Payment Surchage ("LPS") being over and above the same to be computed after discharge of the former liability. ***We agree that such withholding is in violation of Articles 11.3.2 and 11.6.9 of the PPAs (quoted earlier) which cast a specific mandate on the procurer (Haryana Utilities) to honor the invoices raised, irrespective of dispute, and impose a specific bar against unilateral deductions/setting off.***

119. We find the dilatory conduct of the Haryana Utilities, to delay the implementation of the binding orders concerning compensation on account of coal shortfall and corresponding taxes and duties, detrimental to the interest of end consumers since it burdens the consumers with incremental LPS for delay in making payments to the generator. This cannot be countenanced, given the earlier dispensation on the subject by the statutory regulator and appellate forum(s), since it smacks of approach that is designed to frustrate the legislative command, and extant State policy, as indeed constitutes abject indiscipline infringing the rule of law.

> Borrowing THE WORDS OF Hon'ble Supreme Court in SEBI vs. *Sahara India Real Estate Corpn. Ltd.*, (2014) 5 SCC 429 "*non-compliance with the orders passed … shakes the very foundation of our judicial system and undermines the rule of law" which this tribunal is also duty-bound to "honour and protect", so essential "to maintain faith and confidence of the people of this country in the judiciary*"."
>
> *[emphasis supplied]*

174. It could thus be seen that even the Standing Committee of Parliament, in its report, has recommended that there should be consistency and uniformity with regard to orders emanating from the status of 'Change in Law'. It has also recommended that the provisions should also be made for certain percentage of payments of regulatory dues to be paid by DISCOMS in case the orders of regulators are being taken to learned APTEL/higher judiciary for their consideration and decision. The learned APTEL has also referred to the Policy Directive dated 27th August 2018 issued in terms of Section 107 of the Electricity Act, 2003 by the MoP to the CERC, where it emphasized the need to ensure

expeditious recovery of 'Change in Law' compensation. The learned APTEL has also referred to the Electricity (Timely Recovery of Costs due to Change in Law) Rules, 2021, notified by MoP on 22nd October 2021, which provide for timely recovery of compensation on account of occurrence of 'Change in Law' events. The learned APTEL found that the Haryana Utilities have been adopting dilatory tactics, which not only defeat the public policy but also have the undesirable fallout of adding to the burden of the end-consumers they profess to serve on account of increasing 'Carrying Cost'. The learned APTEL further found that withholding of past payments, including towards taxes and duties by the DISCOMS, is in violation of the provisions of the PPAs, which casts a specific mandate on the procurer to honour the invoices raised, irrespective of dispute, and impose a specific bar against unilateral deductions/setting off.

175. It is further to be noted that this Court, in the case of ***Uttar Haryana Bijli Vitran Nigam Limited (UNHVNL) and another***

v. Adani Power Limited and others[12], has specifically observed that the 'Change in Law' events will have to accrue from the date on which Rules, Orders, Notifications are issued by the instrumentalities of the State. Even in spite of this finding, the DISCOMS are pursuing litigations after litigations.

176. We find that, when the PPA itself provides a mechanism for payment of compensation on the ground of 'Change in Law', unwarranted litigation, which wastes the time of the Court as well as adds to the ultimate cost of electricity consumed by the end consumer, ought to be avoided. Ultimately, the huge cost of litigation on the part of DISCOMS as well as the Generators adds to the cost of electricity that is supplied to the end consumers.

177. We further find that non-quantification of the dues by the Electricity Regulatory Commissions and the untimely payment of the dues by the DISCOMS is also detrimental to the interests of the end consumers. If timely payment is not made by DISCOMS,

[12] **(2019) 5 SCC 325**

under the clauses in the PPA, they are required to pay late payment surcharges, which are much higher. Even in case of 'Change in Law' claims, the same procedure is required to be followed.

178. Ultimately, these late payment surcharges are added to the cost of electricity supplied to the end consumers. It is, thus, the end consumers who suffer by paying higher charges on account of the DISCOMS not making timely payment to the Generators.

179. It is further to be noted that the appeal to this Court under Section 125 of the Electricity Act, 2003 is only permissible on any of the grounds as specified in Section 100 of the Code of Civil Procedure, 1908. As such, the appeal to this Court would be permissible only on substantial questions of law. However, as already observed herein, even in cases where well-reasoned concurrent orders are passed by the Electricity Regulatory Commissions and the learned APTEL, the same are challenged by the DISCOMS as well as the Generators. On account of pendency of litigation, which in some of the cases in this batch

has been more than 5 years, non-payment of dues would entail paying of heavy carrying cost to the Generators by the DISCOMS, which, in turn, will be passed over to the end consumer. As a result, it will be the end consumer who would be at sufferance. We are of the opinion that such unnecessary and unwarranted litigation needs to be curbed.

180. To a pointed query, the learned counsel for the DISCOMS fairly conceded the position that the prices at which the electricity is purchased from the 'Independent Power Producers' is substantially lesser than the power purchased from the 'State Generating Companies'.

181. We, therefore, appeal to the Union of India through Ministry of Power ("MoP" for short) to evolve a mechanism so as to ensure timely payment by the DISCOMS to the Generating Companies, which would avoid huge carrying cost to be passed over to the end consumers.

182. The Union of India, through MoP, may also evolve a mechanism to avoid unnecessary and unwarranted litigation, the cost of which is also passed on to the ultimate consumer.

183. Before we part with the judgment, we place on record our appreciation for the valuable assistance rendered by Mr. Balbir Singh, learned Additional Solicitor General, Dr. A. M. Singhvi, Mr. V. Giri, Mr. M.G. Ramachandran, Mr. C.A. Sundaram, Mr. Maninder Singh, Mr. Sajan Poovayya and Mr. Niranjan Reddy, learned Senior Counsel, and Mr. Vishrov Mukerjee, Ms. Poorva Saigal, Ms. Anushree Bardhan, and Ms. Poonam Sengupta, learned counsel.

184. In view of the above, all the appeals are dismissed. No costs.

.....J.
[B.R. GAVAI]

.....J.
[VIKRAM NATH]

NEW DELHI;
APRIL 20, 2023

Annexure-K

[Published In the Gazette of India, Part-II, Section-3, Sub-section (ii)]
Ministry of Environment, Forest and Climate Change

NOTIFICATION

New Delhi, the 29th March, 2016

G.S.R. 317(E).-Whereas the Municipal Solid Wastes (Management and Handling) Rules, 2000 published vide notification number S.O. 908(E), dated the 25th September, 2000 by the Government of India in the erstwhile Ministry of Environment and Forests, provided a regulatory frame work for management of Municipal Solid Waste generated in the urban area of the country;

And whereas, to make these rules more effective and to improve the collection, segregation, recycling, treatment and disposal of solid waste in an environmentally sound manner, the Central Government reviewed the existing rules and it was considered necessary to revise the existing rules with a emphasis on the roles and accountability of waste generators and various stakeholders, give thrust to segregation, recovery, reuse, recycle at source, address in detail the management of construction and demolition waste.

And whereas, the draft rules, namely, the Solid Waste Management Rules, 2015 with a separate chapter on construction and demolition waste were published by the Central Government in the Ministry of Environment, Forest and Climate Change vide G.S.R. 451 (E), datedthe 3rd June, 2015 inviting objections or suggestions from the public within sixty days from the date of publication of the said notification;

And Whereas, the objections or suggestions received within the stipulated period were duly considered by the Central Government;

Now, therefore, in exercise of the powers conferred by sections 6, 25 of the Environment (Protection) Act, 1986 (29 of 1986), and in supersession of the Municipal Solid Wastes (Management and Handling) Rules, 2000, except as respect things done or omitted to be done before such supersession, the Central Government hereby notifies the following rules for Management of Construction and Demolition Waste –

1. Short title and commencement.-(1) These rules shall be called the Construction and Demolition Waste Management Rules, 2016.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. Application.-The rules shall apply to every waste resulting from construction, re-modeling, repair and demolition of any civil structure of individual or organisation or authority who generates construction and demolition waste such as building materials, debris, rubble.

3. Definitions –(1) In these rules, unless the context otherwise requires,-

(a) " ACT' means the Environment (Protection) Act, 1986 (29 of 1986);

(b) "**construction**" means the process of erecting of building or built facility or other structure, or

building of infrastructure including alteration in these entities,;

(c) "**construction and demolition waste**" means the waste comprising of building materials, debris and rubble resulting from construction, re-modeling, repair and demolition of any civil structure;

(d) **"de-construction"** means a planned selective demolition in which salvage, re-use and recycling of the demolished structure is maximized;

(e) "demolition" means breaking down or tearing down buildings and other structures either manually or using mechanical force (by various equipment) or by implosion using explosives.

(f) "form" means a Form annexed to these rules;

(g) "local authority" means an urban local authority with different nomenclature such as municipal corporation, municipality, nagarpalika, nagarnigam, nagarpanchayat, municipal council including notified area committee and not limited to or any other local authority constituted under the relevant statutes such as gram panchayat, where the management of construction and demolition waste is entrusted to such agency;

(h) " schedule" means a schedule annexed to these rules;

(i) "service provider' means authorities who provide services like water, sewerage, electricity, telephone, roads, drainage etc. often generate construction and demolition waste during their activities, which includes excavation, demolition and civil work;

(j) "waste generator" means any person or association of persons or institution, residential and commercial establishments including Indian Railways, Airport, Port and Harbour and Defence establishments who undertakes construction of or demolition of any civil structure which generate construction and demolition waste.

(2) Words and expressions used but not defined herein shall have the same meaning defined in the ACT.

(4) Duties of the waste generator -

(1) Every waste generator shall prima-facie be responsible for collection, segregation of concrete, soil and others and storage of construction and demolition waste generated, as directed or notified by the concerned local authority in consonance with these rules.

(2) The generator shall ensure that other waste (such as solid waste) does not get mixed with this waste and is stored and disposed separately.

(3) Waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month shall segregate the waste into four streams such as concrete, soil, steel, wood and plastics, bricks and mortar and shall submit waste management plan and get appropriate approvals from the local authority before starting construction or demolition or remodeling work and keep the concerned

authorities informed regarding the relevant activities from the planning stage to the implementation stage and this should be on project to project basis.

(4) Every waste generator shall keep the construction and demolition waste within the premise or get the waste deposited at collection centre so made by the local body or handover it to the authorised processing facilities of construction and demolition waste; and ensure that there is no littering or deposition of construction and demolition waste so as to prevent obstruction to the traffic or the public or drains.

(5) Every waste generator shall pay relevant charges for collection, transportation, processing and disposal as notified by the concerned authorities; Waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month shall have to pay for the processing and disposal of construction and demolition waste generated by them, apart from the payment for storage, collection and transportation. The rate shall be fixed by the concerned local authority or any other authority designated by the State Government.

(5) Duties of service provider and their contractors -

(1) The service providers shall prepare within six months from the date of notification of these rules, a comprehensive waste management plan covering segregation, storage, collection, reuse, recycling, transportation and disposal of construction and demolition waste generated within their jurisdiction.

(2) The service providers shall remove all construction and demolition waste and clean the area every day, if possible, or depending upon the duration of the work, the quantity and type of waste generated, appropriate storage and collection, a reasonable timeframe shall be worked out in consultation with the concerned local authority.

(3) In case of the service providers have no logistics support to carry out the work specified in sub-rules (1) and (2) , they shall tie up with the authorised agencies for removal of construction and demolition waste and pay the relevant charges as notified by the local authority.

(6) Duties of local authority-The local authority shall,-

(1) issue detailed directions with regard to proper management of construction and demolition waste within its jurisdiction in accordance with the provisions of these rules and the local authority shall seek detailed plan or undertaking as applicable, from generator of construction and demolition waste;

(2) chalk out stages, methodology and equipment, material involved in the overall activity and final clean up after completion of the construction and demolition ;

(3c) seek assistance from concerned authorities for safe disposal of construction and demolition waste contaminated with industrial hazardous or toxic material or nuclear waste if any;

(4) shall make arrangements and place appropriate containers for collection of waste and shall remove at regular intervals or when they are filled, either through own resources or by appointing private operators;

(5) shall get the collected waste transported to appropriate sites for processing and disposal either through own resources or by appointing private operators;

(6) shall give appropriate incentives to generator for salvaging, processing and or recycling preferably in-situ;

(7) shall examine and sanction the waste management plan of the generators within a period of one month or from the date of approval of building plan, whichever is earlier from the date of its submission;

(8) shall keep track of the generation of construction and demolition waste within its jurisdiction and establish a data base and update once in a year;

(9) shall device appropriate measures in consultation with expert institutions for management of construction and demolition waste generated including processing facility and for using the recycled products in the best possible manner;

(10) shall create a sustained system of information, education and communication for construction and demolition waste through collaboration with expert institutions and civil societies and also disseminate through their own website;

(11) shall make provision for giving incentives for use of material made out of construction and demolition waste in the construction activity including in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads.

(7) Criteria for storage, processing or recycling facilities for construction and demolition waste and application of construction and demolition waste and its products-

(1) The site for storage and processing or recycling facilities for construction and demolition waste shall be selected as per the criteria given in **Schedule I**;

(2) The operator of the facility as specified in sub- rules (1) shall apply in **Form I** for authorization from State Pollution Control Board or Pollution Control Committee.

(3) The operator of the facility shall submit the annual report to the State Pollution Control Board in **Form II.**

(3) Application of materials made from construction and demolition waste in operation of sanitary landfill shall be as per the criteria given in **Schedule II.**

(8) Duties of State Pollution Control Board or Pollution Control Committee-

(1) State Pollution Control Board or Pollution Control Committee shall monitor the implementation of these rules by the concerned local bodies and the competent authorities and the annual report shall be sent to the Central Pollution Control Board and the State Government or Union Territory or any other State level nodal agency identified by the State Government or Union Territory administration for generating State level comprehensive data. Such reports shall also contain the comments and suggestions of the State Pollution Control Board or Pollution Control Committee with respect to any comments or changes required;

(2) State Pollution Control Board or Pollution Control Committee shall grant authorization to construction and demolition waste processing facility in **Form-III** as specified under these rules after examining the application received in **Form I**;

(3) State Pollution Control Board or Pollution Control Committee shall prepare annual report in **Form IV** with special emphasis on the implementation status of compliance of these rules and forward report to Central Pollution Control Board before the 31st July for each financial year.

(9) Duties of State Government or Union Territory Administration-

(1) The Secretary in-charge of development in the State Government or Union territory administration shall prepare their policy document with respect to management of construction and demolition of waste in accordance with the provisions of these rules within one year from date of final notification of these rules.

(2) The concerned department in the State Government dealing with land shall be responsible for providing suitable sites for setting up of the storage, processing and recycling facilities for construction and demolition waste.

(3) The Town and Country planning Department shall incorporate the site in the approved land use plan so that there is no disturbance to the processing facility on a long term basis.

(4) Procurement of materials made from construction and demolition waste shall be made mandatory to a certain percentage (say 10-20%) in municipal and Government contracts subject to strict quality control.

(10) Duties of the Central Pollution Control Board - (1) The Central Pollution Control Board shall,-

(a) prepare operational guidelines related to environmental management of construction and demolition waste management;

(b) analyze and collate the data received from the State Pollution Control Boards or Pollution Control Committee to review these rules from time to time;

(c) coordinate with all the State Pollution Control Board and Pollution Control Committees for any matter related to development of environmental standards;

(d) forward annual compliance report to Central Government before the 30th August for each financial year based on reports given by State Pollution Control Boards of Pollution Control Committees.

(11) Duties of Bureau of Indian Standards and Indian Roads Congress -The Bureau of Indian Standards and Indian Roads Congress shall be responsible for preparation of code of practices and standards for use of recycled materials and products of construction and demolition waste in respect of construction activities and the role of Indian Road Congress shall be specific to the standards and practices pertaining to construction of roads.

(12) Duties of the Central Government -

(1) The Ministry of Urban Development, and the Ministry of Rural Development, Ministry of Panchayat Raj, shall be responsible for facilitating local bodies in compliance of these rules;

(2) The Ministry of Environment, Forest and Climate Change shall be responsible for reviewing implementation of these rules as and when required.

13. Timeframe for implementation of the provisions of these rules -The timeline for implementation of these rules shall be as specified in **Schedule III:**

14. Accident reporting by the construction and demolition waste processing facilities-In case of any accident during construction and demolition waste processing or treatment or disposal facility, the officer in charge of the facility in the local authority or the operator of the facility shall report of the accident in **Form-V** to the local authority. Local body shall review and issue instruction if any, to the in-charge of the facility.

Schedule I
Criteria for Site Selection for Storage and Processing or Recycling Facilities for construction and demolition Waste
[See Rule 7(1)]

(1) The concerned department in the State Government dealing with land shall be responsible for providing suitable sites for setting up of the storage, processing and recycling facilities for construction and demolition and hand over the sites to the concerned local authority for development, operation and maintenance, which shall ultimately be given to the operators by Competent Authority and wherever above Authority is not available, shall lie with the concerned local authority.

(2) The Local authority shall co-ordinate (in consultation with Department of Urban Development of the State or the Union territory) with the concerned organizations for giving necessary approvals and clearances to the operators.

(3) Construction and demolition waste shall be utilized in sanitary landfill for municipal solid waste of the city or region as mentioned at Schedule I of thse rule. Residues from construction and demolition waste processing or recycling industries shall be land filled in the sanitary landfill for solid waste.

(4) The processing or recycling shall be large enough to last for 20-25 years (project based on-site recycling facilities).

(5) The processing or recycling site shall be away from habitation clusters, forest areas, water bodies, monuments, National Parks, Wetlands and places of important cultural, historical or religious interest.

(6) A buffer zone of no development shall be maintained around solid waste processing and disposal facility, exceeding five Tonnes per day of installed capacity. This will be maintained within the

total area of the solid waste processing and disposal facility. The buffer zone shall be prescribed on case to case basis by the local authority in consultation with concerned State Pollution Control Board.

(7) Processing or recycling site shall be fenced or hedged and provided with proper gate to monitor incoming vehicles or other modes of transportation.

(8) The approach and or internal roads shall be concreted or paved so as to avoid generation of dust particles due to vehicular movement and shall be so designed to ensure free movement of vehicles and other machinery.

(9) Provisions of weigh bridge to measure quantity of waste brought at landfill site, fire protection equipment and other facilities as may be required shall be provided.

(10) Utilities such as drinking water and sanitary facilities (preferably washing/bathing facilities for workers) and lighting arrangements for easy landfill operations during night hours shall be provided and Safety provisions including health inspections of workers at landfill sites shall be carried out made.

(11) In order to prevent pollution from processing or recycling operations, the following provisions shall be made, namely:

(a) Provision of storm water drains to prevent stagnation of surface water;
(b) Provision of paved or concreted surface in selected areas in the processing or recycling facility for minimizing dust and damage to the site.
(c) Prevention of noise pollution from processing and recycling plant:
(d) provision for treatment of effluent if any, to meet the discharge norms as per Environment (Protection) Rules, 1986.

(12) Work Zone air quality at the Processing or Recycling site and ambient air quality at the vicinity shall be monitored.

(13) The measurement of ambient noise shall be done at the interface of the facility with the surrounding area, i.e., at plant boundary.

(14) The following projects shall be exempted from the norms of pollution from dust and noise as mentioned above:

For construction work, where at least 80 percent construction and demolition waste is recycled or reused in-situ and sufficient buffer area is available to protect the surrounding habitation from any adverse impact.

(15) A vegetative boundary shall be made around Processing or Recycling plant or site to strengthen the buffer zone.

Schedule II

Application of materials made from construction and demolition waste and its products.

[See Rule 7(3)]

Sl. No.	Parameters	Compliance Criteria
1	Drainage layer in leachate collection system at bottom of Sanitary Landfill Gas Collection Layer above the waste at top of Sanitary Landfill and Drainage Layer in top Cover System above Gas Collection Layer of Sanitary Landfill For capping of sanitary landfill or dumpsite, drainage layer at the top	Only crushed and graded hard material (stone, concrete etc.) shall be used having coarse sand size graded material (2mm – 4.75mm standard sieve size). Since the coarse sand particles will be angular in shape (and not rounded as for riverbed sand), protection layers of non-woven geo-textiles may be provided, wherever required, to prevent puncturing of adjacent layers or components.
2	Daily cover	Fines from construction and demolition processed waste having size up to 2 mm shall be used for daily cover over the fresh waste. Use of construction and demolition fines as landfill cover shall be mandatory where such material is available. Fresh soil (sweet earth) shall not be used for such places and borrow-pits shall not be allowed. Exception – soil excavated during construction of the same landfill. During hot windy days in summer months, some fugitive dust problems may arise. These can be minimised by mixing with local soil wherever available for limited period.
3	Civil construction in a sanitary landfill	Non-structural applications, such as kerb stones, drain covers, paving blocks in pedestrian areas.

Schedule III
Timeframe for Planning and Implementation
[See Rule 13]

Sl. No.	Compliance Criteria	Cities with population of 01 million and above	Cities with population of 0.5-01 million	Cities with population of less than 0.5 million
1	Formulation of policy by State Government	12 months	12 months	12 months
2	Identification of sites for collection and processing facility	18 months	18 months	18 months
3	Commissioning and implementation of the facility	18 months	24 months	36 months
4	Monitoring by SPCBs	3 times a year – once in 4 months	2 times a year – once in 6 months	2 times a year – once in 6 months

The time Schedule is effective from the date of notification of these rules.

FORM – I
See [Rule 7 (2)]
Application for obtaining authorisation

To,
The Member Secretary

_____Name of the local authority or Name of the agency appointed by the municipal authority :

Correspondence address Telephone No. Fax No.	
Nodal Officer and designation (Officer authorized by the competent authority or agency responsible for operation of processing or recycling or disposal facility)	
Authorisation applied for (Please tick mark)	Setting up of processing or recycling facility of construction and demolition waste
Detailed proposal of construction and demolition waste processing or recycling facility to include the following Location of site approved and allotted by the Competent Authority. Average quantity (in tons per day) and composition of construction and demolition waste to be handled	

at the specific site. Details of construction and demolition waste processing or recycling technology to be used. Quantity of construction and demolition waste to be processed per day. Site clearance from Prescribed Authority. Salient points of agreement between competent authority or local authority and operating agency (attach relevant document). Plan for utilization of recycled product. Expected amount of process rejects and plan for its disposal (e.g., sanitary landfill for solid waste). Measures to be taken for prevention and control of environmental pollution. Investment on project and expected returns. Measures to be taken for safety of workers working in the processing or recycling plant. Any preventive plan for accident during the collection, transportation and treatment including processing and recycling should be informed to the Competent Authority (Local Authority) or Prescribed Authority	
Date:	**Signature of Nodal Officer**

Form-II

See [Rule (7) (3)]
Format for Issue of Authorisation to the Operator

File No.: _____
Date : _____

To,

_____
_____
_____

Ref : Your application number _____Dt. ……

The _____ State Pollution Control Board or Pollution Control Committee after examining the proposal hereby authorizes _____ having their administrative office at _____ to set up and operate construction and demolition waste processing facility at_____ on the terms and conditions (including the standards to comply) attached to this authorisation letter.

1. The validity of this authorisation is till _____. After expiry of the validity period, renewal of authorisation is to be sought.

2. The _____ State Pollution Control Board or Pollution Control Committee may, at any time, for justifiable reason, revoke any of the conditions applicable under the authorisation and shall communicate the same in writing.

3. Any violation of the provision of the construction and demolition Waste Management Rules, 2016 shall attract the penal provision of the Environment (Protection) Act, 1986 (29 of 1986).

Date: **(Member Secretary)**
Place: **State Pollution Control Board/**
Pollution Control Committee

Form –III

See [Rule 8(2)]

Format of Annual Report to be submitted by Local Authority to the State Pollution Control Board

(i) Name of the City or Town…….
(ii) Population……
(iii) Name and address of local authority or competent authority

Telephone No : ……
Fax : …….
Email ID: …….
Website: ……..

(iv) Name of In-charge or Nodal Officer dealing with construction and demolition wastes management with designation ……

1. Quantity and composition of construction and demolition waste including any deconstruction waste

(a) Total quantity of construction and demolition waste generated during the whole year in metric ton

Any figures for lean period and peak period generation per day ……..
Average generation of construction and demolition waste (TPD)
Total quantity of construction and demolition waste collected per day
Any Processing / Recycling Facility set up in the city ……
Status of the facility

(b) Total quantity of construction and demolition waste processed / recycled (in metric ton)

Non-structural concrete aggregate :
Manufactured sand :
Ready-mix concrete (RMC) :
Paving blocks :
GSB :

Others, if any, please specify :

(c) Total quantity of Construction & Demolition waste disposed by land filling without processing (last option) or filling low lying areas

No of landfill sites used :
Area used :
Whether weigh-bridge facility used for quantity estimation? : Yes No

(d) Whether construction and demolition waste used in sanitary landfill (for solid waste) as per Schedule III

: Yes No

2. Storage facilities

(a) Area orlocation or plot or societies covered for collection of Construction and Demolition waste

(b) No. of large Projects (including roadways project) covered

(c) Whether Area or location or plot or societies collection is Practiced (if yes, whether done by Competent Authority or Local Authority or through Private Agency or Non-Governmental Organization) :

(d) Storage Bins :

	Specifications (Shape & Size)	Existing Number	Proposed for future
(i) Containers or receptacle (Capacity) :			
(ii) Others, please specify :			

(e) Whether all storage bins/collection spots are attended for daily lifting : Yes No

(e) Whether lifting of Construction & Demolition Waste from Storage bins is manual or mechanical (please tick mark) please specify mode and equipment used : Manual Mechanical Others, (specify equipment)

3. Transportation

	Existing	Actually Required/Proposed number
Truck :		
Truck-Hydraulic :		
Tractor-Trailer :		
Dumper-placers :		
Tricycle :		

Refuse-collector :
Others (Please specify) :

4. Whether any proposal has been made to improve Construction and Demolition waste management practices

5. Have any efforts been made to involve PPP for processing of Construction & Demolition waste : If yes, what is (are) the technologies being used, such as:

Processing / recycling Technology	(Quantity to be processed)	Steps taken
Dry Process	:	
Wet Process	:	
Others, if any, Please specify	:	

6. What provisions are available to check unauthorized operations of:

Encroachment on river bank or wet bodies :
Unauthorized filling of low line areas :
Mixing with solid waste :
Encroachment in Parks, Footpaths etc. :

7. How many slums are provided with construction and demolition waste receptacles facilities:

8. Are municipal magistrates appointed for taking penal action for non-compliance with these rules: Yes No
[If yes, how many cases registered & settled during last three years (give year wise details)]

Dated: **Signature of Municipal Commissioner**

Form –IV

See [Rule (8)(3)]

Format of Annual Report to be submitted by the State Pollution Control Board / Committees to the Central Pollution Control Board

To,

The Chairman,
Central Pollution Control Board,
PariveshBhawan, East Arjun Nagar,
Delhi-110032

1. Name of the State/Union territory :

2. Name & address of the State Pollution Control Board/Pollution Control Committee :

3. Number of municipal authorities responsible for management of municipal solid wastes in the State/Union territory under these rules :

4. A Summary Statement on progress made by municipal authorities in respect of implementation of **Schedule III**] : Please attach as Annexure-I

5. A Summary Statement on progress made by municipal authorities in respect of implementation of **Schedule IV** : Please attach as Annexure-II

Date: **Chairman or the Member Secretary**
State Pollution Control Board/
Place: **Pollution Control Committee**

Form –V
See [Rule14]
Accident reporting

1. Date and time of accident :

2. Sequence of events leading to accident :

3. The type of construction and demolition waste involved in accident :

4. Assessment of the effects of the accidents
   a. on traffic, drainage system and the environment :

5. Emergency measures taken :

6. Steps taken to alleviate the effects
   a. of accidents :

7. Steps taken to prevent the recurrence
   a. of such an accident :

8. Regular monthly health checkup of workers at

a. Processing / recycling site shall be made

9. Any accident during the collection,
    a. transportation and treatment including
    b. processing and recycling should be informed
    c. to the Competent Authority (Local Authority) or
    d. Prescribed Authority

Date : Authorized Signatory
Place: Designation

[18-6/2014-HSMD]
Bishwanath Sinha, Joint Secretary

ANNEXURE-L

केन्द्रीय विद्युत विनियामक आयोग
CENTRAL ELECTRICITY REGULATORY COMMISSION

नई दिल्ली
NEW DELHI

. /Petition No.: 319/RC/2018

/Coram:

. के. पुजारी, /Shri P. K. Pujari, Chairperson
डॉ. एम. के. अय्यर, / Dr. M.K. Iyer, Member
आई. एस. झा, / Sh. I.S. Jha, Member

आद दिनांक /Date of Order: 28th of August, 2019

IN THE MATTER OF

Automatic Generation Control (AGC) implementation in India

AND

IN THE MATTER OF

National Load Despatch Centre
Power System Operation Corporation Ltd.
(A Government of India Enterprise) B-9,
Qutab Institutional Area, Katwaria Sarai
New Delhi-110016

…Petitioner

VERSUS

1. NTPC Limited,
   Plot No A-8A,
   Sector-24, Noida,
   Uttar Pradesh, India- 201301

2. NHPC Limited,
   N.H.P.C Office Complex,
   Sector-33, Faridabad – 121003, Haryana

3. Central Transmission Utility,
   Saudamini, Plot No. 2,
   Sector-29, Gurgaon-122 001 (Haryana)

4. SJVN, Shakti Sadan,
   SJVN Corporate Office Complex, Shanan-171006

5. THDC INDIA LIMITED, Corporate Office,
   Rishikesh, Pragatipuram, By Pass Road,
   Rishikesh – 249201, Uttrakhand

6. Aravali Power Company Private Ltd.,
   Indira Gandhi Super Thermal Power Station (IGSTPS),
   Jharli, District Jhajjar, Haryana-124141

7. N T E C L Vallur Thermal Power Project,
   P.O.: Vellivoyal Chavadi,
   Ponneri Taluk, Tiruvallur Dist, Chennai- 600 103

8. NLC India Limited,
   Block - 1, Neyveli - 607 801,
   Cuddalore District, Tamilnadu

9. NTPC-SAIL Power Company Limited –
   Corporate Centre, 4th Floor, Nbcc Tower,
   15 Bhikaiji Cama Place, New Delhi, Delhi – 110066

10. Coastal Gujarat Power Ltd,
    Tata Power Co. Ltd., Backbay Rec Station,
    148, Lt. Gen. J.Bhonsle Marg,
    Nariman Point, Mumbai 400 021

11. Sasan Power Limited,
    Reliance Centre, Near Prabhat Colony,
    Off Western Express Highway,
    Santacruz East, Mumbai – 400055, Mumbai

12. Ratnagiri Gas and Power Pvt. Ltd.,
    Registered Office, NTPC Bhawan,
    Core-7, SCOPE Complex,
    7, Institutional Area, Lodi Road,
    New Delhi-110003, India

13. North Eastern Electric Power Corporation Ltd,
    Brookland Compound, Lower New Colony,
    Shillong-793003, Meghalaya, India.

14. ONGC Tripura Power Company Ltd.
    6th Floor, A Wing, IFCI Towers, 61,
    Nehru Place, New Delhi – 110019

15. Bharatiya Rail Bijlee Company Ltd.
    Nabinagar,Khera Police Station
    Dist.-Aurangabad, Bihar-824303

Northern Region

16. Delhi Transco Limited,
    33kV, Sub Station Building,
    Minto Road, New Delhi -110002.

17. Haryana Vidyut Prasaran Nigam Limited,
    XEN/LD & PC, SLDC Complex,
    Sewah Panipat -132103.

18. Himachal Pradesh State Electricity Board,
    HP Load Despatch Society,
    SLDC complex, Totu,
    Shimla -171011.

19. Jammu & Kashmir Power Development Department,
    SLDC Building,
    220 kV Grid Station Narwal,
    Jammu -180007.

20. Punjab State Transmission Corporation Limited,
    Ablowal, Patiala, SLDC Building,
    Near 220KV Grid Substation,
    PSTCL, Ablowal,
    Patiala -147001

21. Rajasthan Rajya Vidyut Prasaran Nigam Limited,
    State Load Despatch Centre,
    Rajasthan Rajya Vidyut Prasaran Nigam Limited,
    Ajmer Road, Heerapura,
    Jaipur -302024

22. Uttar Pradesh Power Transmission Corporation Limited,
    Power System,5th Floor,
    Shakti Bhawan,14 Ashok Marg,
    Lucknow -226001

23. Power Transmission Corporation of Uttarakhand Limited,
    400 KV Substation,
    Veerbhadra, Rishikesh -249202

24. General Manager,
Singrauli Super Thermal Power Station,
Shakti Nagar, UP-231222

25. General Manager,
Singrauli Solar PV Power Project,
Shakti Nagar, UP-231222

26. General Manager,
Singrauli Small Hydro Power Project,
Shakti Nagar, UP-231222

27. General Manager,
Rihand Super Thermal Power Station-I,
Rihand Nagar, UP-231223

28. General Manager,
Rihand Super Thermal Power Station-II,
Rihand Nagar, UP-231223

29. General Manager,
Rihand Super Thermal Power Station-III,
NTPC Rihand, Dist-Sonbhadra,
UP - 231223

30. General Manager,
Dadri, National Capital Power Project,
Dadri Dhaulana Road,
Distt. Gautam Buddh Nagar,
UP-201008

31. General Manager,
Dadri – Stage - II,
National Capital Power Project,
Dadri Dhaulana Road,
Distt. Gautam Buddh Nagar,
UP-201008

32. General Manager,
Firoz Gandhi Unchahar Thermal Power Project-I,
Unchahar, Distt. Rai bareilly,
UP

33. General Manager,
Firoz Gandhi Unchahar Thermal Power Project-II,
Unchahar, Distt. Raibareilly,
UP

34. General Manager,
Firoz Gandhi Unchahar Thermal Power Project-III,
Unchahar, Distt. Raibareilly,
UP

35. General Manager,
Firoz Gandhi Unchahar Thermal Power Project-IV,
P.O. Unchahar, Dist. : Raibareilly (U.P.) Pin-229406

36. General Manager,
Firoz Gandhi Unchahar Solar PV Power Project,
Unchahar, Distt. Raibareilly, UP

37. General Manager,
Dadri Gas Power Project,
Dhaulana Road, Distt.
Gautam Buddh Nagar,
UP-201008

38. General Manager,
Dadri Solar PV Power Project,
Dhaulana Road, Distt.
Gautam Buddh Nagar,
UP-201008

39. General Manager,
Auraiya Gas Power Project(Gas Fired, RLNG Fired, Liquid Fired),
Dibiyapur, Distt Etawah,
UP-206244

40. General Manager,
Anta Gas Power Project (Gas Fired, RLNG Fired, Liquid Fired),
Distt. Baran,
Rajasthan-325209

41. General Manager, Koldam HPP, NTPC,
Post- Barman, Dist- Bilaspur,
Himachal Pradesh 174013

42. Station Director,
Narora Atomic Power Station,
Narora, Distt. Bulandshahar,
UP-202389

43. Station Director,
Rajasthan Atomic Power Station-B,
Anu Shakti Vihar, Kota,
Rajasthan-323303

44. Station Director,
Rajasthan Atomic Power Station-C, (RAPS-5&6)
PO-Anushakti, Kota,
Rajasthan-323304

45. General Manager,
Bairasiul Hydro Electric Project,
NHPC Ltd., Surangini,
Distt. Chamba, HP-176317

46. General Manager,
Salal Hydro Electric Project,
NHPC Ltd,
Jyotipuram, Distt. Udhampur,
J&K-182312

47. General Manager,
Tanakpur Hydro Electric Project,
NHPC Ltd.,
Banbassa, Distt. Champawa,
Uttrakhand-262310

48. General Manager,
Chamera-I Hydro Electric Project,
NHPC Ltd.,
Khairi, Distt.
Chamba, HP-176310

49. General Manager,
Uri Hydro Electric Project,
NHPC Ltd.,
Mohra, Distt. Baramulla,
J&K-193122

50. General Manager,
Chamera-II Hydro Electric Project,
NHPC Ltd.,
Karian, Distt. Chamba,
HP-176310

51. General Manager,
Chamera-III Hydro Electric Project,
NHPC Ltd., Dharwala, Distt.- Chamba,
HP-176311

52. General Manager,
Dhauliganga Hydro Electric Project,
NHPC Ltd., Tapovan, Dharchula, Pithoragarh,
Uttrakhand-262545

53. General Manager,
Dulhasti Hydro Electric Project,
NHPC Ltd.,
Chenab Nagar, Distt. Kishtwar,
J&K-182206

54. General Manager,
Uri 2 Hydro Electric Project, NHPC Ltd.,
Nowpura, Distt. Baramulla, J&K-193123

55. General Manager,
Parbati HE Project Stage-III Behali,
P.O- Larji Kullu 175122 Himachal Pradesh

56. Chief Engineer,
Sewa-II Power Station,
NHPC Ltd. Mashke, post Bag no-2,
P.O-Khari, Dist: Kathua, Jammu and Kasmir -176325

57. The Chief Engineer (Electrical),
Kishanganga HEP,
Office cum Residential colony, Kralpora,
Distt: Bandipora, Jammu and Kashmir-193502

58. Chief Engineer (Elect.),
Parbati-II HEP, Electrical & Mechanical complex,
Sainj, Distt. Kullu, Himachal Pradesh -175134

59. General Manager,
Naptha Jhakhri HEP,
Satluj Jal Vidyut Nigam Ltd. Power Project,
Jhakri, Rampur, Distt. Shimla, HP-172201

60. General Manager,
Rampur HEP,
Satluj Jal Vidyut Nigam Ltd. Power Project,
Jhakri, Rampur, Distt. Shimla, HP-172201

61. General Manager,
Tehri Hydro Development Corporation Ltd.,
Pragatipuram, Rishikesh,
Uttrakhand-249201

62. General Manager,
Koteshwar HEP, THDCIL, Koteshwerpuram,
Post Office- Pokhari Tehri Garwal, Uttarakhand - 249146

63. Director (Power Regulation),
Bhakra Power House, SLDC Complex,
66 KV Substation, Industrial Area Phase-I,
Madhya Marg, BBMB Chandigarh

64. General Manager, ADHPL,
Village- Prini, PO -Jagat Sukh,
Tehsil - Manali, Distt- Kullu (H.P) India.

65. General Manager,
Indra Gandhi Super Tharmal Power Project,
PO -Jharli, Tahsil Matanhail, Dist – Jhajjar, (Haryana)-124125

66. General Manager,
Karcham Wangtoo HEP,
Himachal Baspa Power Company Limited,
Sholtu Colony, PO- Tapti, Dist-Kinnaur, -172104 (HP)

67. Director,
Malana - II Everest Power Pvt. Ltd,
Hall-A/ First Floor Plot No-143-144,
Udyog Vihar, Phase -4, Gurgaon, Haryana 122015

68. Company Secretary,
Shree Cement Thermal Power Project Bangurnagar,
Beawar , Dist Ajmer, Rajasthan -305901

69. Company Secretary,
Greenco Budhil HPS Ltd,
Plot No. 1367 Road No- 45,
Jubilee Hills, Hyderabad- 500033

70. Project General Manager,
Himachal Sorang Power Limited, D-7,
Lane-I, Sector-I, New Shimla, Shimla, H.P.-171009.

71. General Manager,
Sainj HEP, HPPCL, Larji,
Distric - Kullu, Himachal Pradesh, 175122

Western Region

72. MSLDC,
Airoli, Navi Mumbai, Airoli,
Thane - Belapur Road, Navi Mumbai-400708.

73. State Load Despatch Centre,
MPPTCL, Jabalpur,
O/o Chief Engineer (SLDC), MPPTCL, Nayagaon, Jabalpur

74. SLDC Gotri Vadodara,
Gujarat, 132kV Gotri s/s compound,
Opposite Kalpvrux Complex,
Gotri Road,
Vadodara

75. Chhattisgarh State Load Despatch Centre,
C.E(LD), State Load Despatch Centre,
CSPTCL, Daganiya-HQ,
Raipur, Chhattisgarh

76. General Manager, Korba STPS STG (I& II),
National Thermal Power Corporation,
P.O. Vikas Bhavan, Jamnipali,
Korba(Distt.),
Chhattisgarh- 495 450.

77. General Manager,
Korba STPS STG (III),
National Thermal Power Corporation,
P.O. Vikas Bhavan, Jamnipali,
Korba(Dist),
Chhattisgarh- 495 450.

78. General Manager,
STAGE-I, Vindhyachal STPS,
National Thermal Power Corporation of India Ltd,
P.O Vindhyanagar, Sidhi(Dist),
Madhya Pradesh – 486 885

79. General Manager,
STAGE-II, Vindhyachal STPS,
National Thermal Power Corporation of India Ltd,
P.O Vindhyanagar, Sidhi(Dist),
Madhya Pradesh – 486 885

80. General Manager,
STAGE-III, Vindhyachal STPS,
National Thermal Power Corporation of India Ltd,
P.O Vindhyanagar, Sidhi(Dist),
Madhya Pradesh – 486 885

81. General Manager,
STAGE-IV, Vindhyachal STPS,
National Thermal Power Corporation of India Ltd,
P.O Vindhynagar, Sidhi(Distt.),
Madhya Pradesh – 486 885

82. General Manager,
Kawas Gas Power Project,
National Thermal Power Corporation of India Ltd,
P.O. Aditya Nagar,
Surat- 394 516

83. General Manager,
Gandhar Gas Power Project,
National Thermal Power Corporation of India Ltd,
P.O. NTPC Township, Bharuch(Distt.),
Gujarat- 392 215

84. General Manager,
SIPAT TPS Stg-I,
National Thermal Power Corporation of India Ltd,
SIPAT, Chhattisgarh.

85. General Manager,
SIPAT TPS Stg-II,
National Thermal Power Corporation of India Ltd,
SIPAT, Chhattisgarh.

86. General Manager,
Mouda STPP,
NTPC Ltd,
Mouda Ramtek Road,
P.O.Mouda, Nagpur (Dist),
Maharashtra

87. General Manager ,
2 X 135 MW Kasaipali Thermal Power Project,
ACB (India) Ltd.
District - Korba
Chhattisgarh Chakabura 495445

88. General Manager,
Bharat Aluminium Co. Ltd,
Captive Power plant-II,
BALCO Nagar Chhattisgarh, Korba 495 684

89. Executive Director,
Costal Gujarat Power Ltd,
Tunda Vandh Road, Tunda Village, Mundra,
Gujarat Kutch 370435

90. Executive Director,
DB Power,
Village - Baradarha, Post - Kanwali,
Dist - Janjgir, Champa, Chhattisgarh Baradarha 495695

91. Executive Director,
Jindal Power Ltd. Stg-I,
OP Jindal STPP, PO-Tamnar,
Gjarghoda Tehsil,
Chhattisgarh District - Raigarh, 496107

92. Executive Director,
Jindal Power Ltd. Stg-II,
OP Jindal STPP,
PO-Tamnar,
Gjarghoda Tehsil,
Chhattisgarh District - Raigarh, 496107

93. Executive Director,
Plot No Z-9,
Dahej SEZ Area (Eastern side),
Dahej, Taluka-Vagra, Gujarat Dist-Bharuch, 392130

94. Executive Director,
EMCO Power Ltd,
Plot No B-1, Mohabala MIDC Growth Center
Post Tehsil - Warora, Dist Chandrapur-Maharashtra 442907

95. Executive Director,
ESSAR POWER MP LTD.
Village Bandhora,
Post Karsualal, Tehsil Mada,
Distt. Singrauli, Madhya Pradesh-486886

96. General Manager,
GMR CHHATTISGARH ENERGY LTD
Skip House, 25/1, Museum Road
Karnataka Banglore 560025

97. Managing Director,
Jaypee Nigri Super Thermal Power Project,
Nigri District, Madhya Pradesh
Singrauli 486668

98. Executive Director,
DCPP, OP Jindal STPP,
PO-Tamnar, Gjarghoda Tehsil,
Chhattisgarh District - Raigarh, 496107

99. Station Director,
Nuclear Power Corporation of India ltd,
Kakrapara Atomic Power Station,
PO - via Vyara, Gujarat Dist - Surat 395651

100. Station Director,
Tarapur Atomic Power Station 1&2,
Nuclear Power Corporation of India Ltd,
P.O. TAPP, Thane(Dist),
Maharashtra- 401 504

101. Station Director,
Tarapur Atomic Power Station 3&4,
Nuclear Power Corporation of India Ltd,
P.O. TAPP, Thane (Distt.),
Maharashtra- 401 504

102. Managing Director,
Korba West Power Co. Ltd.,
Village – Chhote Bhandar,
P.O. - Bade Bhnadar,
Tehsil - Pussore,
District - Raigarh,
Chhattisgarh Raigarh 496100

103. Managing Director,
KSK Mahanadhi,
8-2-293/82/A/431/A, Road No 22 Jubilee Hills
Andhra Pradesh Hyderabad 500033

104. General Manager,
LANCO Power Ltd,
Plot No - 397, Phase -III, Udyog Vihar, Haryana
Gurgaon 122016

105. General Manager,
NTPC-SAIL Power Company Private Ltd,
Puranena Village, Chhattisgarh Dist - Durg,
Bhilai 490021

106. General Manager,
Ratnagiri Gas & Power Pvt Ltd,
2nd Floor, Block-2, IGL Complex,
Sector-126, Expressway, Uttar Pradesh
Noida 201304

107. Managing Director,
Sasan Power Ltd,
DAKC, I Block, 2nd Floor, North Wing,
Thane Belapur Road, Koparkhairana Maharashtra
New Mumbai 400710

108. Managing Director,
Vandana Vidyut Bhavan,
M. G. Road
Chhattisgarh Raipur 492001

109. Managing Director,
RAPP Transmission Company Limited,
Mira Corporate Suites,
1&2 Ishwar Nagar,
Okhla crossing,
Mathura road,
New Delhi, 110065

110. General Manager,
LARA,
National Thermal Power Corporation of India Ltd,
Chappora, PO-Pussora,
Raigarh, Chhattisgarh.

111. General Manager,
Solapur,
National Thermal Power Corporation of India Ltd,
Western Region HQ,
Samruddhi Venture Park,
2nd Floor, MIDC Marol,
Andheri East, Mumbai,
Maharashtra.

Eastern Region

112. State Load Despatch Center,
GRIDCO Colony
PO-Mancheswar Railway Colony,
BBSR Bhubaneshwar -751070

113. State Load Despatch Center,
Jharkhand State Electricity Board (JSEB)
Kushai Colony, Doranda,
Ranchi-834002

114. SLDC-BSEB,
Patna, Bihar State Electricity Board,
Vidyut Bhawan, Jawaharlal Nehru Marg,
Patna-800021

115. SLDC-W.Bengal,
P.O. Danesh Seikh Lane,
Andul Road
Howrah – 711109

116. Damodar Valley Corporation,
DVC Tower,
VIP Road, Kolkata,
WB 700054

117. Energy and Power Deptt.,
Govt. of Sikkim
Kazi Road,
Gangtok 737 201

118. General Manager,
Farakka Super Thermal Power Plant-I&II,
NTPC Ltd.,
Farakka, WB 742236

119. General Manager,
Farakka Super Thermal Power Plant-III,
NTPC Ltd.,
Farakka, WB 742236

120. General Manager,
Kahalgaon Super Thermal Power Plant-I NTPC Ltd,
Bhagalpur Bihar 813214

121. General Manager,
Kahalgaon Super Thermal Power Plant-II NTPC Ltd,
Bhagalpur Bihar 813214

122. Executive Director,
Talcher Super Thermal Power Stn-I NTPC Ltd,
Nayapalli, Odisha 751012

123. Addl. General Manager,
National Thermal Power Corporation Limited,
BARH Thermal Power Station, Patna, Bihar 803213

124. GM(O&M),
Kanti Bijlee Utpadan Nigam Limited
Muzaffarpur Thermal Power Station Bihar Muzaffarpur 843130.

125. The General Manager(O&M),
Bharatiya Rail Bijlee Company Ltd.
Nabinagar,Khera Police Station Dist.-Aurangabad, Bihar-824303

126. General Manager (O&M),
Darlipali Super Thermal Power Project NTPC Ltd.
Odisha Darlipali,Sundergarh 770072.(upcoming)

127. Chairman, Damodar Valley Corporation
DVC Tower, VIP Road West Bengal Kolkata 700054
(Not an ISGS but have many generating units)

128. Chief Engineer (Elect),
Teesta V HEP,
NHPC,
Singtam, East Sikkim 737134

129. Chief Engineer,
Rangit Hydro Electric Project NHPC,
P.O. Rangit Nagar
South Sikkim 737111

130. CEO,
Maithon Power Limited
MA-5 Gogna Colony,
P.O: Maithon, Dhanbad,
Jharkhand 828027

131. DGM (Electrical), Adhunik Power & Natural Resource Limited
Village: Padampur, PS: Kandra Tata-Seraikela Road,
Jharkhand 832105

132. GM (Power Sales & Regulatory),
GMR Kamalanga Energy Ltd,
Plot No.-29, Satyanagar,
Bhubaneswar, Odissa-751007

133. Head Power & Sales,
Jindal India Thermal Power Ltd.,
Plot No.12,Local Shopping Complex,
Sector-B1,Vasant Kunj, New Delhi- 110070

134. Advisor(Power),
Ind-Barath Energy Utkal Ltd ,
Sahajbahal, PO CgarpaliBarpali,
Dist - Jharsuguda, Odisha , Pin – 768211

135. GM(C & RA),
Odisha Power Generation Corporation Ltd.,
Zone-A, 7th Floor, Fortuna Towers,
Chandrashekharpur, Odisha Bhubanneswar 751023. (Upcoming)

136. Sr.Vice President(O&M),
Teesta Urja Ltd.(Teesta -III HEP)
Vijaya Building, 2nd Floor, 17 Barakhamba Road
New Delhi New Delhi 110001

137. Asst. General Manager ,
DANS ENERGY PVT. LTD.
5th Floor, DLF Building No. 8,
Tower C, DLF Cyber City, Phase – II,
Gurgaon- 122002, Haryana

138. Chairman,
GATI Infrastructure Ltd,
268, UdyogVihar,
Phase-IV, Gurgaon,
Haryana 122001

139. President –Technical,
Shiga Energy Private Ltd.
5th Floor, DLF Building No.8,
Tower C, Phase-II, Haryana Gurgaon 122002

140. VP (Commercial),
Sneha Kinetic Power Project Private Ltd
1366, Road no. 45, Jubilee Hills
Telangana Hyderabad 500033

Southern Region

141. Andhra Pradesh State Load Dispatch Centre,
Room No. 611, 6th Floor, A Block APTRANSCO,
Vidyut Soudha, Khairatabad

142. State Load Despatch Centre,
KPTCL, 28, Race course Cross Road,
Bangalore -560009

143. State Load Despatch Centre, Kalamassery,
Executive Engineer O/o Chief Engineer, (Transmission),
System Operation, Kalamassery-683503

144. System Control Centre,
Electricity Department, Puducherry,
137, Nethaji Subhash Chandra Bose Salai,
Electricity Department-605001

145. TANTRANSCO, SLDC, MLDC
Block, 144 Anna Salai, Chennai-600002

146. Telangana SLDC, Chief Engineer,
Room No 611 A Block,
SLDC of the State of Telangana (TSSLDC),
TSTRANSCO, Vidyut Soudha,
Khairtabad, Hyderabad-500082

147. General Manager,
National Thermal Power Corporation Ltd.,
SR Headquarters II & V Floors,
MCH Complex,
R.P. Road, Secunderabad-500 003,

148. General Manager,
National Thermal Power Corporation Ltd.,
SR Headquarters II & V Floors,
MCH Complex,
R.P.Road, Secunderabad-500 003,

149. General Manager,
Neyveli Lignite Corporation Ltd.,
Corporate Office, Block-01,
P.O. Neyveli, PIN: 607 801,
Cuddalore Distt., Tamil Nadu State.

150. The Deputy General Manager,
Neyveli Lignite Corporation Ltd.,
Corporate Office, Block-01,
P.O. Neyveli, PIN: 607 801,
Cuddalore Dist., Tamil Nadu State.

151. The Deputy General Manager,
Neyveli Lignite Corporation Ltd.,
Corporate Office, Block-01,
P.O.Neyveli, PIN: 607 801,
Cuddalore Dist., Tamil Nadu State.

152. The Deputy General Manager,
Neyveli Lignite Corporation Ltd.,
Corporate Office, Block-01,
P.O.Neyveli, PIN: 607 801,
Cuddalore Dist., Tamil Nadu State.

153. The Station Director,
Madras Atomic Power Station,
Nuclear Power Corpn. Of India Ltd.,
Kalpakkam – 603 102, Tamil Nadu State

154. The Deputy General Manager,
Kaiga Generating Station,
Nuclear Power Corpn. of India Ltd.,
P.O.Kaiga, Via Karwar,
Karnataka - 581400 , Karnataka State.

155. The Station Director,
Kudankulam Nuclear Power Project, Unit -1
Nuclear Power Corporation of India Ltd.,
P.O. Kudankulam, Radhapuram Taluk Tirunelveli District,
Tamil Nadu - 627 106

156. The Station Director,
Kudankulam Nuclear Power Project, Unit -2
Nuclear Power Corporation of India Ltd.,
P.O. Kudankulam, Radhapuram Taluk Tirunelveli District,
Tamil Nadu - 627 106

157. The Chief Operating Officer,
LANCO- Kondapalli Power Ltd., Stage-II
Plot No.4, Software Units Layout,
Hitech City, Madhapur,
Hyderabad-500 081. Andhra Pradesh State

158. The Chief Operating Officer,
LANCO- Kondapalli Power Ltd., Stage-III
Plot No.4, Software Units Layout,
Hitech City, Madhapur,
Hyderabad-500 081. Andhra Pradesh State

159. General Manager (O&M),
NTPC Tamilnadu Energy Company Ltd.,
Vallur Thermal Power Project,
Vellivoyalchavadi P.O.,
Ponneri Taluk, Tiruvallur Dist.,
Chennai – 600103, Tamil Nadu State.

160. Sr. Vice President,
Meenakshi Energy Pvt. Ltd.,
Meenakshi, Plot No: 119,
Road No: 10, Jubliee Hills,
Hyderabad-500 033.

161. The Chief Executive Officer,
NLC Tamil nadu Limited,
2*500, MW JV Thermal Power Project,
Harbour Estate,
Tuticorin, PIN: 628004, Tamil Nadu State.

162. Thermal Power Tech Corporation India Limited,
SPSR Nellore, 6-3-1090,
A-Block, 5th Floor, TSR Towers,
Raj Bhavan Road, Somajiguda,
Hyderabad, 5000082.

163. Sr. Vice President,
Meenakshi Energy Pvt. Ltd.,
Meenakshi, Plot No: 119,
Road No: 10, Jubliee Hills,
Hyderabad-500 033.

164. The General Manager (Projects),
Simhapuri Energy Pvt. Ltd.,
Madhucon Greenlands, 6-3-866/2,
3rd Floor, Begumpet,
Hyderabad-500016.

165. Managing Director,
Coastal Energen Pvt. Ltd,
7th Floor, Buhari Towers,
4 ,Moores Road,
Chennai, PIN: 600006, Tamil Nadu State

166. The Chief Commercial Officer (CCO)
SEMBCORP Energy India Ltd.,
6-3-1090, A-Block, 5th Floor,
T.S.R Towers, Raj Bhavan Road,
Somajiguda, Hyderabad 500082, Telangana

167. Senior General Manager,
IL & FS Tamilnadu Power Company limited,
C. Pudhupettai post,
Parangipettai (via), Chidambaram(tk.),
Cuddalore-608502, Tamil Nadu.

168. General Manager,
Sembcorp Gayatri Power Ltd.,
TP Gudur Mandal,
Nellore-524344, Andhra Pradesh.

North Eastern Region

169. State Load Despatch Centre,
Agartala, 79 Tilla, Kunjaban, Agartala,
Tripura (West)

170. Department of Power,
Government of Nagaland, SLDC Nagaland,
Electricity Colony,
Full Nagarjan Dimapur, Nagaland

171. Mizoram State Load Despatch Centre,
Tuikhuahtlang, Aizawl -796001

172. State Load Despatch Centre,
Assam, SLDC, AEGCL,
Near 132kv Grid Sub Station,
Kahilipara, Guwahati

173. General Manager,
Doyang HEP, NEEPCO,
Wokha, Nagaland

174. General Manager,
Ranganadi HEP, NEEPCO,
P.O. Ranganadi Proj. Dist. Subansiri,
Ar. Pradesh-791121

175. General Manager,
AGBPP, NEEPCO,
Kathalguri, Tinsukia, Assam

176. General Manager,
AGTPP, NEEPCO,
Ramchandranagar, Agartala, Tripura

177. General Manager,
KHANDONG HEP, NEEPCO,
Umrangsoo, N.C.Hills, Assam

178. General Manager,
KOPILI HEP, NEEPCO,
Umrangsoo, N.C.Hills, Assam

179. General Manager,
KOPILI-2 HEP, NEEPCO,
Umrangsoo, N.C.Hills, Assam

180. Chief Engineer,
NHPC
Loktak HEP Leimatak-795124,Manipur

181. Ranganadi HEP (NEEPCO)
Ranganadi HEP, NEEPCO Ltd.,
Yazali, Dist. Lower Subansiri,
Andhra Pradesh-791119

182. Managing Director,
ONGC Tripura Power Company Ltd,
6th Floor, A Wing, IFCI Tower-61,
Nehru Place, New Delhi, 110019

183. General Manager,
Bongaigaon TPP, NTPC Ltd.,
P.O.-Salakati, Kokrajhar Dist.
Assam-783369

184. Kameng HEP (NEEPCO),
EMG, Kameng HEP, NEEPCO, Kimi,
P.O.- Bhalukpong, Post Box-2, West Kameng
Dist., Arunachal Pradesh, PIN – 790114

185. Pare HEP (NEEPCO),
Pare HEP, NEEPCO Ltd, Sopo,
P.O- Doimukh, Dist- Papumpare,
Arunachal Pradesh, PIN – 791112

186. State Load Despatch Centre,
Agartala, 79 tilla, Kunjaban,
Agartala, Tripura (West)

187. Department of Power,
Government of Nagalnd,
SLDC Nagaland, Electricity Colony,
Full Nagarjan Dimapur, Nagaland.

188. Mizoram State Load Despatch Centre,
Tuikhuahtlang, Aizawl -796001

189. State Load Despatch Centre,
Assam, SLDC, AEGCL,
Near 132kv Grid Sub Station,
Kahilipara, Guwahati

…Respondents

190. Member Secretary,
Northern Regional Power Committee
18-A, Shaheed Jeet Singh Sasanwal Marg,
Katwaria Sarai,
New Delhi-110 016

191. Member Secretary,
Southern Regional Power Committee
29, Race Course Cross Road,
Bangalore-560 009.

192. Member Secretary,
Eastern Regional Power Committee
14, Golf Club Road,
Kolkata-700 033

193. Member Secretary,
Western Regional Power Committee
F-3, MIDC Area,
Andheri (East),
Mumbai-400 093

194. Member Secretary,
North Eastern Regional Power Committee
NERPC Complex,
Dong Parmaw,
Lapalang,
Shillong-6

195. Chief Engineer (Grid Management),
Central Electricity Authority Sewa Bhawan,
R.K.Puram,
New Delhi-110 022.

196. Chief Engineer
(National Power Committee),
Central Electricity Authority,
18-A, Shaheed Jeet Singh Sasanwal Marg,
Katwaria Sarai, New Delhi-110 016

…Proforma Respondents

Parties Present: Shri S.R. Narasimhan, NLDC
Shri N. Nallarasan, NLDC
Shri Phanisankar Chilakuri, NLDC

ORDER

The Petitioner, National Load Dispatch Centre (NLDC) is the system operator at the national level and has made the following prayers:

a) Direct all ISGS stations whose tariff is regulated / determined by CERC to install equipment as per the requirement mentioned in the Petition at the unit control rooms for transferring the required data for AGC by 30th June 2019.

b) Direct all ISGS stations whose tariff is regulated / determined by CERC to ensure communication from nearest wide band node to the RTU in the unit control room by 30th June 2019.

c) Direct Central Transmission Utility (CTU) to ensure communication availability

from NLDC/RLDCs to nearest wide band node/switchyard for the generating stations in a redundant and alternate path ensuring route diversity and dual communication by 30th June 2019.

d) Decide the mark up price for secondary regulation service through AGC.

e) Allow NLDC/RLDCs to test, tune and operate the AGC system for providing the signals to the power plants as and when they comply with the directions above.

f) Allow any variation in the generation during testing phase to be settled under DSM.

g) Allow NLDC/RLDCs to put all the Phase-I plants under continuous operation on AGC before 31st December 2019.

h) Direct Phase-II plants in the detailed modus operandi to provide infrastructure at RTU/internal communication.

i) Road map for implementation of AGC at RLDCs in future may be accepted.

j) Pass any other orders as this Commission may deem fit and proper under the given facts and circumstances.

SUBMISSIONS OF THE PETITIONER

2. The Petitioner has submitted that vide Order dated 13.10.2015 in petition no 11/SM/2015, the Commission gave the roadmap for 'Operationalization of Generation Reserves in the Country'. The Order mandated that each region should maintain primary, secondary and tertiary reserves. The objective of the Order was to introduce 'Spinning Reserves' in the country, which is one of the important components for ensuring grid security, quality and reliability by achieving adequacy of supply and maintaining load-generation balance. All generating stations that are regional entities were directed to 'must plan' operationalization of Automatic Generation Control (AGC) along with reliable telemetry and communication by 01.04.2017. The Commission noted that this would entail a one-time expense for the generators to install requisite software and firmware, which could be compensated for and that the communication infrastructure must be planned by the Central Transmission Utility (CTU) and developed in parallel, in a cost-effective manner.

3. The Commission directed the Petitioner to upload the detailed modus operandi on 'Operationalization of Spinning Reserves' on NLDC website and seek comments from the

stakeholders by 11.08.2017 and file the comments received from stakeholders within two weeks thereafter. Accordingly, the report was also uploaded on the NLDC website.

4. The Petitioner has submitted that the detailed implementation plan was also discussed in the National Power Committee (NPC) meeting held at Indore on 08.09.2017. An agenda on 'secondary frequency control' was sent to NPC for discussion in the respective Regional Power Committees (RPC). The Expert Group constituted (in May 2017) by the Commission to review and suggest measures for bringing power system operation closer to National Reference Frequency, recommended that the frequency control continuum as given in their report may be adopted and included as part of the Grid Code (hereinafter referred to as 'IEGC') through an amendment to Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010. Further, it was recommended that AGC must be implemented throughout the country at the earliest in line with the Commission's recommendation of treating a region as a balancing area and that the Performance Metrics for AGC payments may be introduced once sufficient experience is gained through the pilot project (carried out at Dadri generating station of NTPC). AGC at the intra-State level, particularly for large states, was to be implemented in line with directions by the Appropriate Commission(s).

5. The Petitioner has submitted that the Commission in its order dated 06.12.2017 in Petition No. 79/RC/2017 approved the Commissioning of the AGC Pilot Project between NLDC and NTPC Dadri Stage-II and various developments in the AGC Pilot were acknowledged by the Commission. Vide the above order, the Commission also directed that similar pilot projects may be replicated by NLDC, in at least one other regional grid of the country. Dadri Stage-II was successfully taken under remote as a part of AGC pilot project from NLDC from 1225 Hrs. of 04.01.2018 and is under continuous operation. Further, data is being submitted by NLDC to NRPC in the agreed format on a weekly basis.

6. The Petitioner has submitted that Karnataka Power Transmission Corporation Limited (KPTCL) together with (United States Agency for International Development (USAID) has proposed AGC pilot project on Varahi and Sharavathi Hydro Power Plants. On 10.02.2018, SRLDC, USAID and NLDC visited NP Kunta solar park in Andhra Pradesh for understanding the feasibility of AGC implementation. USAID agreed to take the AGC implementation at NP Kunta Solar power project under 'Greening the Grid' (GtG)-RISE

project. The matter was also discussed in the 33rd meeting of SRPC held on 17.02.2018 at Puducherry. A workshop was organised by USAID and NLDC on 15.05.2018 at Andhra Pradesh SLDC, Vijayawada to explain the basic architecture of the AGC project and the proposed project at NP Kunta to stakeholders.

7. On 18.05.2018, Letter of Award was issued by NTPC Simhadri to M/S Siemens for the supply, testing and commissioning of software and hardware and implementation of the AGC pilot project at NTPC-Simhadri. AGC on Barh (Eastern Region), Bongaigaon (North Eastern Region) and Mauda (Western Region) are power plants of NTPC under contracting phase of implementation.

8. The Petitioner has submitted that it has started up-gradation of SCADA from October 2017. AGC set up is envisaged to be capable of sending and receiving AGC signals to all Regional Entity generating stations to start with for the first time in India. The RLDCs' SCADA/EMS system was recently upgraded before AGC was notified through the Commission's Order. Hence, considering a region as a balancing area, AGC is being implemented through NLDC, which is a unique experiment as five (5) AGCs are being operated from a single control center at NLDC. Further, as a next step, discussion could start on the roadmap to progressively shift AGC control to RLDCs over the next 3-5 years. At the intra-regional level, discussion at RPC level is on for introducing AGC at least in the few intra-State generators in RE-rich States.

9. The Petitioner has submitted that the CERC (Communication System for inter-State transmission of electricity) Regulations, 2017 has provided detailed roles and responsibilities of various organizations with respect to communication. NLDC was given the responsibility for preparation and issuance of guidelines with the approval of the Commission on the interfacing requirements in respect of terminal equipment, RTUs, SCADA, PMUs, Automatic Generation Control (AGC), Automatic Meter Reading (AMR), Advanced Metering Infrastructure (AMI), etc. and for data communication to the respective control centres. The Generic Technical Specifications for AGC connecting equipment that has to be procured by the power plants were prepared by the Petitioner based on the experience of the AGC pilot project (at Dadri) for full scale implementation of AGC. Generating stations have to install AGC connecting equipment at the unit control rooms for transferring the required set of data for AGC.

10. The Petitioner has submitted that Regional Secondary Reserves quantum, mandated by the Commission are given as below:

Secondary Reserves quantum needed in MW (Region wise)	
NR	800
ER	660
WR	800
SR	1000
NER	363
Total	3623

11. The Petitioner has suggested that the detailed implementation plan pan-India for AGC implementation is proposed in the following manner:

Phase-I

(a) Inter-State Generating Stations (ISGS) generators, whose tariff is regulated/ adopted by the Commission, are proposed to be made capable of participating in 'Secondary Control' since the tariff for these generators is already available and there are fewer communication issues. This is also because in case of these generating stations, Ancillary Services/ AGC Pilot Project Framework is available for settlement (without the refund of fixed charges as mentioned in the Half Yearly Feedback on Ancillary Services and CERC Order on AGC Pilot Project) and, therefore, its implementation is expected to be dispute free. However, limiting AGC implementation to only these generating stations may not be sufficient to ensure availability of the full quantum of reserves as mandated by the Commission.

Phase-II

(b) All Regional Entity generating stations scheduled by RLDCs (over and above the Phase-I power stations mentioned above) can be made capable of participating in secondary control. However, Declared Capability (DC) at present is not taken from these generating stations by RLDCs. Some Independent Power Producers (IPP) have part Power Purchase Agreements with discoms/ traders while part capacity is untied, and power is sold under merchant contracts. Tariff for these generators has to be

decided and agreed upon *a priori* for secondary control participation of these generators. DC and Schedule have to be obtained from these generators similar to Central Sector generating stations for reserve estimation. Many of these regional entity generating stations operate in the day-ahead energy market and the day-ahead prices may have a significant role in respect of these generating stations as far as availability to the grid at any instant is concerned. Low prices in the Day-Ahead Market (DAM) on a sustained basis may lead to many of these units remaining off the grid. The following, inter-alia, may be the requirements for the Regional entity generating stations equipped under Secondary Control:

- The generating stations shall bear the cost of secondary control hardware at the generating station end including the cost of the fibre optic cable from the generating station control room to the nearest communication node.
- Share DC and Schedule like ISGS generators on day ahead basis and subsequent revisions with RLDCs.
- Payment for energy and incentive will be as decided by the Commission.
- The generating stations shall have working control systems for turbine, boiler and governor. Governor response plots/ graphs of past incidents have to be submitted to concerned RLDC.
- Existing wide band communication node to be established within a radius below 30-40 km from the plant to communicate with the nearest RLDC. Distance need not be a binding limitation and the connectivity of the generating station with the communication node can be seen on case to case basis based on merit.

12. The Petitioner has submitted that Primary, secondary and tertiary generation reserves are required for frequency control and ensuring reliable operation of the grid, particularly under high Renewable Energy (RE) penetration. Primary control provision has been existing in the IEGC but its enforcement has been an issue that has been highlighted before the Commission. Secondary control had been absent in the system so far while tertiary frequency control was introduced only in April 2016 through the Central Electricity Regulatory Commission (Reserves Regulation Ancillary Services) Regulations, 2016 (or for short, RRAS Regulations). Through Order dated 16th July 2018 in Petition No. 07/SM/2018, Fast Response Ancillary Services or FRAS was ordered by the Commission for central sector hydro stations and is under implementation phase.

13. The Petitioner has submitted that the following issues become important when one looks at the entire continuum of frequency control:

i. Ensuring accurate load forecasting and Renewable Energy (RE) forecasting: This is the first step towards reliability as generating units need to get committed based on the forecasts. Starting from Discom level, the forecasts need to be aggregated for the State at SLDCs level, at RLDCs for the regional level and at NLDC for the All-India level.

ii. Evaluating Area Control Error (ACE) of each control area: Bias may be taken as equal to Frequency Response Characteristics (FRC) of the State in past ten events. For ACE, high quality measurement of line flows and frequency at 10 seconds or better periodicity at LDCs is a must. Further, seamless transfer of schedule data from off-line systems to SCADA must be ensured. RLDCs are already bringing forth the non-availability of real time data in the RPC forums and this needs to be addressed promptly.

iii. Primary Response: The SLDCs must also monitor the primary response from the generating units within the State and report to the respective SERCs as directed by CERC vide its order dated 31st July 2017 in Petition No. 84/MP/2015.

iv. Measurements: For AGC, high quality measurements are needed for inter-regional tie lines and generating stations under AGC. As stated above, periodic monitoring of the data quality needs to be done at the RPC forums and chronic problems of non-availability of data are addressed promptly so that real time operation is smooth.

v. Fiber Optic Communication: Fiber optic communication from Regional Entity generating station to nearest CTU node and from there on to RLDCs/ NLDC is a must and it could be closely monitored through the RPC forums. This is required irrespective of whether we have a regulated system of secondary reserves procurement or a market based one.

vi. Participation: ACE is allocated to the generating stations under AGC based on the selected participation factor mode in the AGC software. The participation of each generating station will be calculated by the AGC software based on the weightage assigned to different attributes of the plant and the grid. Spinning reserve availability, ramp rate and variable cost of the generating station are the important attributes that are typically considered. In case of inter-/ intra-regional transmission constraints during

outages, certain plants may not be able to participate in AGC till normalization of transmission system.

14. The Petitioner has submitted that 'Spinning Reserves' viz. DC on bar minus schedules available in real time in ISGS is currently used for rescheduling/ tertiary reserves by States, tertiary frequency control through Reserves Regulation Ancillary Services and now being envisaged for secondary control through AGC. It is also available for primary control though the IEGC clearly specifies that the schedules should not exceed capacity on bar less Normative Auxiliary Consumption. This ensures that even if the power plant is fully scheduled, the overload capacity and margins in auxiliary consumption is able to provide primary response.

15. The Petitioner has submitted that after the forecast of load and RE generation, the scheduling of conventional generation resources by the States assumes importance. Here, apart from scheduling, the States also need to indicate the amount of hot spinning reserves it is holding. The reserves could be held either within the State or at the ISGS where the State has a share but it should be replenished whenever there is a contingency such as a generating unit tripping within the State. Unless such a mechanism is in place, the secondary control would not work as all the reserves would get depleted quickly. DC on bar less the schedules equals the hot spinning reserves. It was observed that hot spinning reserve gets depleted daily during the morning and evening peak hours when States requisition their full entitlement. Under this situation, the State utilities ought to have reserves elsewhere within the State.

16. The Petitioner has submitted that on 06.09.2018, the Commission has issued a discussion paper on *'Redesigning Ancillary Services Mechanism in India'* and comments were invited from stakeholders. The Petitioner is of the view that the physical infrastructure in terms of communication and suitable hardware/ software at the power plants is sine qua non for secondary control through AGC irrespective of whether the same is regulated or market-based. The only variable is the quantum of secondary reserves required on day to day basis.

PROCEEDINGS DURING HEARING

17. The Petition was admitted on 25.10.2018. During the hearing on 31.1.2019, the

Petitioner submitted that the present petition has been filed for implementation of AGC in India.

18. The Petitioner further submitted that the Commission in its Order dated 06.12.2017 in Petition No. 79/RC/2017 approved the commissioning of AGC pilot project between NLDC and NTPC Dadri Stage-II and the Commission also directed that similar pilot projects may be replicated by NLDC, in at least one other regional grid of the country. Accordingly, one plant in each region has been identified and AGC has also been commissioned in Simhadri and Mauda generating station.

19. The Petitioner requested the Commission to direct ISGS to install the equipment in power plants for accepting signals from NLDC. After hearing, the Commission directed the Petitioner to furnish the Minutes of Meeting held with RPCs wherein RPCs have given their consent to the AGC pilot project. The Commission further directed the Petitioner to submit the feedback report on the operation of AGC at NTPC Dadri Stage-II along with the summary of findings of this pilot project.

20. The Petitioner has complied with the directions and submitted the minutes of the special meetings on AGC pilot project which were held with all RPCs. The Petitioner has also submitted the feedback report before the Commission on 15th February 2019, highlighting the learning from the pilot project. Several learning including those on the implementation aspects, communication protocols, generator regulation and load following capabilities, metering, monitoring, visualisation, accounting etc. were gathered via pilot project and explained in the feedback report. The Pilot projects have also provided capacity building in the field of AGC which will be useful during implementation of secondary control on a large scale.

ANALYSIS & DECISION

21. We have heard the Learned Counsels for the Petitioner and have carefully perused the records.

22. The Commission is of the view that the most important responsibility of the Power System operators is to maintain reliability of the Power System by maintenance of Load -

Generation balance. For a large complex grid such as the Indian grid, primary, secondary and tertiary frequency controls are must-have tools to ensure reliability. With the objective of ensuring grid security, quality and reliability, the Commission vide Order dated 13.10.2015 in Petition no 11/SM/2015 had laid down a roadmap for *'Operationalization of Generation Reserves in the Country'*. It was envisaged that apart from the primary reserve at the national level, secondary reserve should be maintained by each region and tertiary reserve by each State. All the generating stations that are regional entities were directed to plan to operationalize AGC along with reliable telemetry and communication by 01.04.2017. The NLDC was directed to submit a detailed procedure to operationalize reserves in the country vide Order dated 13.10.2015.

23. The Commission notes that an 'outline procedure' was submitted by NLDC vide letter dated 15.12.2015 in which it was proposed to take up a pilot project with one of the NTPC plants in a region based on which further activities could be taken up. On 05.02.2016, NLDC was advised to submit the draft detailed procedure and implementation plan for operationalization of Reserves within three months of implementation of Ancillary Services Regulations. After various brainstorming sessions and meetings, NLDC submitted the detailed procedure on Operationalization of Spinning Reserves on 14.07.2017 and recommended that secondary control should be added as an Ancillary Service.

24. The Commission observes that the 'National Electricity Policy' also mandates that adequate reserves may be maintained to ensure secure grid operation. The Commission is of the view that collective efforts of the stakeholders in implementation of the AGC are a step forward and will go a long way in development of the secondary reserves in the country leading to stable frequency operation and grid security and reliability.

25. The Commission observes that the feedback on implementation of AGC submitted by NLDC highlights the need for enhancing adequacy of reserves in the country. It has been stated that valuable experience has been gained in terms of implementation aspects, communication protocols, generator regulation and load following capabilities, cyber security etc. which is useful during implementation of secondary control on a large scale. The Petitioner has submitted that from the interactions with national and international experts on power systems and experience with Ancillary Services till date, the general understanding was that different solutions as a package like load and Renewable Energy (RE) generation

forecast, proper portfolio management by the States, primary response from the generators, secondary control in the form of AGC, Ancillary Service products in different timeframes etc. are needed for stable frequency operation of the power system. No unique solution existed. NLDC report emphasised that a bad or no forecast of load/ RE generation and poor portfolio management by the State utilities would lead to heavy deviations from schedule and grid indiscipline exhausting all reserves in the system and making the system insecure. AGC effectiveness would have to be seen in this overall context. It was further highlighted in the feedback report that deployment of two-three plants under AGC with 200 MW-300 MW reserve might not be sufficient for a grid size like that of India. The Commission observes that the Expert Group on 'National Reference Frequency' in its report submitted to the Commission in November 2017 recommended that AGC must be implemented throughout the country at the earliest and Performance Metrics for such AGC payments may be introduced once sufficient experience is gained through the pilot project.

26. The Petitioner has suggested that implementation of AGC be undertaken in Phases. Under Phase-I, ISGS generators, whose tariff is regulated/ adopted by the Commission, are proposed to be made capable of participating in 'Secondary Control'. Dadri Stage-II NTPC in Northern Region was the first AGC pilot project of the country which was approved by the Commission vide Order in Petition No.79/RC/2017 on 06.12.2017 and is in continuous operation from 1225 Hrs. of 04.01.2018. The Commission also directed that similar pilot projects may be replicated by NLDC, in at least one other regional grid of the country. Accordingly, four more AGC pilot projects have been/are being implemented viz. Simhadri Stage-II in Southern Region, Mauda Stage-II in Western Region, Barh Stage-II in Eastern Region and Bongaigaon in North-Eastern Region.

27. The Commission observes that there is one-time expense involved for the generators to install requisite software and firmware. The Commission has been informed that the implementation cost i.e. placing of order for the equipment and integration cost of the four AGC pilot projects which have been commissioned viz. Dadri Stage-II NTPC in Northern Region Simhadri Stage-II in Southern Region, Mauda Stage-II in Western Region and Barh Stage-II in Eastern Region, is in the range of Rs. 30.00 lakhs to Rs. 50 lakhs per generating station. The Commission accepts the Petitioner's proposition that the cost of such equipment at generating stations for AGC implementation is not significant and ideally all ISGS stations should be AGC enabled. The Commission notes that majority of the thermal stations

regulated by the Commission have station capacity of 200 MW and above and the AGC support is mainly expected from these facilities apart from the hydro generating stations other than Run-of-River projects. It will therefore be prudent, also from the point of view of cost effectiveness to ensure that the thermal generating stations with installed capacity of 200 MW and above and all hydro stations with capacity exceeding 25 MW necessarily have the capability to provide AGC support. Further, the Commission is of the view that with due regard to the nature of the Run-of-River Hydro projects it may not be advisable to mandate such plants to provide AGC support, as this might lead to spillage/ under-utilization of water, which should be avoided. Accordingly, the Commission directs all thermal Inter State Generating Stations (ISGS) that are regional entities with installed capacity of 200 MW and above and all hydro stations with capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by the Commission, to install the required software and firmware for implementation of AGC at the unit control rooms for transferring the required set of data for AGC. These regional entity generators may approach the Commission under relevant regulations and provisions of PPA for compensation of this one-time cost. The Commission also directs the Central Transmission Utility and the NLDC to commission the required communication system in parallel.

28. Once the aforesaid generating stations are AGC enabled, NLDC/ RLDCs shall be allowed to test, tune and operate the AGC system for providing the signals to the power plants. With this decision to make the ISGS stations AGC compliant, the Commission is of the view that any other pilot beyond the five pilots already initiated by NLDC, may not be needed.

29. As regards compensation for AGC support and deviation charges, it is clarified that the framework in this regard as stipulated in the Commission's Order in Petition no. 79/RC/2017 dated 06.12.2017 shall apply to the five pilot projects as also to other ISGS as and when they are AGC enabled. This arrangement shall remain in place till further Orders or till relevant regulations inter-alia on compensation for AGC services are framed by the Commission.

30. The Commission has noted the suggestions of the Petitioner for covering under Phase-II, other regional entity generators (other than those whose tariff is determined or adopted by

the Commission). The Commission is of the view that decision on this issue cannot be taken in the present petition. It needs wider consideration.

31. The Commission observes that NLDC in its report on implementation of RRAS, has recommended moving towards market-based procurement of ancillary service for a more robust design. The relevant excerpt is reproduced below:

> *"Once the scope of present implementation of ancillary services is enlarged from the regulated generation stations at inter-state level to include state-level generators also, a critical mass would be achieved. Moreover as more and more generators start participating in regulation services, closer monitoring of the performance of generating stations would also be needed. The implementation would also be more robust by design and subsequently, based on the experience gained, market based procurement of ancillary services could also be thought of."*

32. The Commission is of the view that the experience gained under RRAS underlines the need for a calibrated approach to transform the extant administered Ancillary Services mechanism to a market-based mechanism with the objective of increasing the ambit of potential providers of such services at efficient costs and enhanced reliability of the grid. The Staff Paper on *'Redesigning Ancillary Services Mechanism in India'* issued by staff of the Commission on 06.09.2018 has highlighted that the physical infrastructure in terms of communication and suitable hardware/ software at the power plants is sine qua non for secondary control through AGC irrespective of the fact whether the same is regulated or market-based. The only variable is the quantum of secondary reserves required on day to day basis.

33. The Commission observes that given the changes in technology, generation mix and increasing decentralized generation, and locational ancillary requirements, long term bilateral contracts for ancillary support should be avoided. Same resource can provide multiple flexibility services. For example, a generator that can provide fast tertiary response can also provide slow tertiary response. An arrangement which bundles multiple flexibility services has some advantages – by allowing such generators to utilize their capabilities to serve various system requirements thereby reducing the cost of providing individual services. Accordingly, the Commission directs the staff of the Commission to initiate a comprehensive review of Ancillary services framework based on these principles, and present to the Commission for suitable decision.

SUMMARY

34. In the interest of reliable and safe grid operation, the Commission directs that all the ISGS stations whose tariff is determined or adopted by CERC shall be AGC-enabled and the ancillary services including secondary control through AGC be implemented as per the following direction:

i. *All thermal ISGS stations with installed capacity of 200 MW and above and all hydro stations having capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by CERC are directed to install equipment at the unit control rooms for transferring the required data for AGC as per the requirement to be notified by NLDC. NLDC shall notify the said requirements within one month of this order.*
ii. *All such ISGS stations whose tariff is determined or adopted by CERC shall have communication from the nearest wide band node to the RTU in the unit control room.*
iii. *The Central Transmission Utility (CTU) is directed to have communication availability from NLDC/ RLDCs to the nearest wide band node/ switchyard for the generating stations in a redundant and alternate path ensuring route diversity and dual communication.*
iv. *The NLDC is also directed to commission the required communication infrastructure.*
v. *The expenditure as a result of compliance of the above directions may be claimed as per relevant regulations or provisions of the PPA.*
vi. *The NLDC is directed to monitor implementation of the above directions so that all the ISGS stations whose tariff is determined or adopted by CERC are AGC-enabled within six months of this order.*
vii. *The framework regarding compensation for AGC support and deviation charges as stipulated in the Commission's Order in Petition no. 79/RC/2017 dated 06.12.2017 shall apply to the five pilot projects as also to other ISGS as and when they are AGC enabled. This arrangement shall remain in place till the relevant regulations interalia on compensation for AGC services are framed by the Commission.*
viii. *NLDC/RLDCs are allowed to operate the AGC system for enabling the signals to the power plants at the earliest.*

ix. All new thermal ISGS stations with installed capacity of 200 MW and above and hydro stations having capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by CERC shall mandatorily have the capability to provide AGC support.

35. With the above directions, Petition No. 319/RC/2018 stands disposed of.

Sd/-	**Sd/-**	**Sd/-**
आई. एस. झा	**डॉ एम. के. अय्यर**	**. के.**

Annexure-M

भारत सरकार GOVERNMENT OF INDIA
रेल मंत्रालय MINISTRY OF RAILWAYS
रेलवे बोर्ड (RAILWAY BOARD)

NO.2019/RS(S)/709/ 6 New Delhi, Dated.22.10.2019

PCMM,
All Indian Railways.

Sub: Condemnation of surplus Diesel locomotives with age beyond 31 years as on 31.03.2019.

Ref: Board's letter No.2019/M(L)/731/1 dated 14.08.2019 and 10.10.2019 (copy enclosed)

The guidelines regarding condemnation of surplus Diesel locomotives with age beyond 31 years as on 31.03.2019, issued by Railway Board vide above referred letters are sent herewith for your kind information and necessary action.

DA: as above

22/10/2019

(SHIV SHANKER)
Dy. Director Railway Stores(S)-II

भारत सरकार GOVERNMENT OF INDIA
रेल मंत्रालय MINISTRY OF RAILWAYS
(रेलवे बोर्ड RAILWAY BOARD)

New Delhi, dtd. 14-Aug-2019.

No.2019/M(L) 731/1

General Managers,
All Zonal Railways.

Sub: Deployment of Diesel Locomotives.

Railway Board while reviewing the diesel consumption trends over IR during Board meeting held on 24.07.2019 has decided that all BG Diesel locomotives with age beyond 31 years may be condemned forthwith. Accordingly, competent authority has decided that all such locomotives should be withdrawn from mainline service with immediate affect and removed from shed's holding.

Detailed guidelines regarding their disposal will follow.

Compliance to the above instruction may please be sent to this office.

(Manish Jain)
Exe. Dir. Mech. Engg.(Tr.)
(Railway Board)

Copy: PCEEs, All Zonal Railways for necessary action please.

भारत सरकार GOVERNMENT OF INDIA
रेल मंत्रालय MINISTRY OF RAILWAYS
(रेलवे बोर्ड RAILWAY BOARD)

New Delhi, dated. 10.10.2019

No.2019/M(L)/731/1

General Managers,
All Zonal Railways.

Sub: Condemnation of surplus Diesel locomotives with age beyond 31 years as on 31.03.2019.

Ref: (i) Railway Board's letter no. 2016/M (L)/466/19/1 Policy dated 17.03.2017 regarding condemnation of locomotives and DEMUs.

(ii) Railway Board's letter no. 2019/M (L)/731/1, dated 14.08.2019 regarding withdrawal of diesel locos with age beyond 31 years, from mainline service.

Zonal Railways have withdrawn surplus diesel locomotives from mainline service in terms of letter at Ref (ii) above. It has been decided that as a **onetime measure**, the following stipulations of the condemnation policy issued vide Ref (i) above will not apply to the condemnation of these locomotives:

- S.N 2.c. (i) regarding ascertaining from other Zonal Railways if they need these locos. No such confirmation needs to be taken by any Zonal Railway since diesel locos are surplus over all the Zonal Railways.
- Removal of useful / serviceable material is not mandatory since all these ALCO locos are to be phased out in view of policy of 100% electrification of BG routes.

Further, with a view to expedite disposal of such locomotives, it has been decided that as **a onetime measure**, the competent authority for approval of condemnation of such locomotives will be the same as is stipulated for over-aged locos in letter at Ref (i) above. Therefore such condemnations can be dealt with at Zonal Railway level only.

Zonal Railways are also advised to critically review the material procurement for maintenance of such locomotives to ensure that no unnecessary purchases are made and maintenance is carried out by utilizing useful material from condemned locos and pooling items among sheds & Zonal Railways if required.

This issues with the approval of Board (MI/R and FC).

Hindi version will follow.

(Manish Jain)
Exe. Dir. Mech. Engg.(Tr.)
Railway Board

No. 2019/M (L)/731//1 New Delhi, dt. 10.10.2019

Copy to: (i) PFAs, All Zonal Railways.
(ii) Dy. comptroller & Auditor General of India/ Railways, Room no. 224, Rail Bhawan, New Delhi.

For Financial Commissioner, Railways

No. 2019/M (L)/731//1 New Delhi, dt. 10.10.2019

Copy to: PCEEs, All Zonal Railways, EDEE (RS) and EDE S/Railway Board.

(Manish Jain)
Exe. Dir. Mech. Engg. (Tr.)
Railway Board

NTPC Limited
(A Government of India Enterprise)
CPG-2,Sipat Project
PO Ujwal Nagar
District Bilaspur
Chhattisgarh- 495555, India
Telephone No. : 07752-246552 Fax No. : 07752-246507

Annexure-N

PURCHASE ORDER

PAN No. : AAACN0255D
CIN No. : L40101DL1975GOI007966

To:
TECHNICAL TOOLS SALES AGENCIES
FB-6, Gr Flr, Sun Block,Power Heights
Near Ghantaghar Chowk,Niharika Road
KORBA
Chhattisgarh -495677
India
Tel: 07759-245861 E-Mail : info@technicaltools.co.in

Vendor Code : 1031941 (SME Vendor)
PAN No : ATGPS3453A

Purchase Order No. : 4000275551-M55-1019 Date: 30.03.2022 (version : 0)
Reference : PROCUREMENT OF FRICTION PAD & SPRING STACKS FOR PCRD OF STG#1 PADDLE FEEDER AT CHP OF FSTPS
Our Enquiry No. : 9900208565 **Date :** 27.09.2021
Offer : **Date :**

Dear Sir,

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4000275551-M55-1019 dated 30.03.2022 for total order value of INR 839,564.10 (INR EIGHT LAKH THIRTY-NINE THOUSAND FIVE HUNDRED SIXTY-FOUR AND TEN PAISA ONLY). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

RENU KUMARI
SR. MANAGER (C&M)

Enclosures

CC: BEDESCHI MID-WEST CONVEYOR,
8245 NIEMAN ROAD
SUITE 200
LENEXA,
Kansas-66214
USA
Tel: 9132612418

ANNEXURE - 1

Consignee - Str(I/c)/M/SM/DG/AG, **Name:** Tapas mukherjee, **Contact No.:** 8902495366,
Email:storeincharge-farakka@ntpc.co.in
Indentor - Name: SUDEEP BISWAS, **Contact No:** 9434408627**, Email:**
SUDIPBISWAS@NTPC.CO.IN

Delivery/Invoicing Address:
1024 Farakka Super Thermal Power Station
PO NABARUN MURSHIDABAD
West Bengal- 742236, India
Telephone No. : 03512-226815/226816 Fax No. : 03512-226811/226818
Invoicing to be done on
GST No. : 19AAACN0255D1ZV

Purchase Order Currency: Indian Rupee

Additional Information:
Our bankers: State Bank of India
ANDUA BRANCH (BRANCH CODE 7099) PO NABARUN 742236, DIST MURS

Our Transporter: M/S EAST INDIA TRANSPORT AGENCY-FOR SMALL&FULL TRUCK/TRAILER
M/S SURAT GOODS TRANSPORT PVT LTD-FOR FULL TRUCK/TRAILER LOD
M/S ASSOCIATED ROAD CARRIERS LTD
w.e.f

Insurers: THE ORIENTAL INSURANCE CO LTD
3/20/A, K K BANERJEE ROAD, PO-BERHAMPORE, DIST. MURSHIDABAD, WB - 742101

S.No.	Material Code	Description	Qty.	UM	Unit Rate	Discount	Lumpsum Discount	Net Price	Total Amount
10	M5526296066	TR21LWX4402833611 542:FRICTION PAD	30.000	NO	27,985.4700	0%	0.00	27,985.4700	839,564.10

Tax: IN:Integrated GST-ND @ 28.00 % **Extra**

Total Amount	INR	839,564.10
Discount Value(Lumpsum)		0.00
Net Amount	INR	839,564.10

RENU KUMARI
SR. MANAGER (C&M)

ANNEXURE - 2

NTPC Limited
(A Government of India Enterprise)

TECHNICAL DATA SHEET

S.No.	Material Code	Specification
10	M5526296066	FRICTION PAD: Part No:- GR-116257: Drg No:- D-018800. ONE NOS FRICTION PAD CONSISTS OF FRICTION PAD + STEEL BACK PLATE WITH NUT & BOLT.MATERIAL SHOULD BE SUPPLIED WITH ASSEMBLED CONDITION.

RENU KUMARI
SR. MANAGER (C&M)

ANNEXURE - 3

Terms and Conditions

---

1 .	Order Value	INR 839,564.10 (EIGHT LAKH THIRTY-NINE THOUSAND FIVE HUNDRED SIXTY-FOUR AND TEN PAISA ONLY)
2 .	Price Basis	Free on Road/Rail NTPC FARAKKA STORES
3 .	Freight Charges	By Vendor on freight paid and door delivery basis
4 .	Inspection	Material shall be inspected at Site Store
5 .	Price Variation	Fixed Price Basis
6 .	Place of Despatch	
7 .	Mode of transport	By Road
8 .	P & F Charges	Inclusive.
9 .	Payment Terms	100% after receipt and acceptance of material at site within 30 days
10 .	Mode of payment	BY EFT Invoice to be raised on delivery/invoice address against the given PO line items.
11 .	Delivery Period	Delivery within twenty-four weeks from date of receipt of PO and Payment.
12 .	Insurance	By Vendor
13 .	Bank Charges	Borne by VENDOR
14 .	Warrantee / Guarantee	As per Special instructions
15 .	PBG Amount	Not Applicable
16 .	SD Amount	Not Applicable
17 .	LD Rate	0.50 % per week or part thereof for the portion executed / supplied beyond agreed delivery schedule
18 .	LD Ceiling	5.00 % of PO Value
19 .	Special Instruction	1. Price basis: FOR NTPC Farakka Stores, Firm Price 2. GST: Extra @28% 3. Country of Origin: Kansas City 4. Warranty / Guarantee: Standard Manufacturing Warranty of Bedeschi Mid west Conveyor. 5. Inspection: Inspection at NTPC Stores as per PO terms. 6. Certificates: Warranty / Guarantee Certificate, Test Certificate, Country of Origin certificate and Bill of Lading. 7. Others: I Any change in taxes & duties will be on NTPC account. II All other terms & conditions are as per GPC of NTPC. Consignee: Sr. Manager (Stores) Sh Jayanta Manna jmanna@ntpc.co.in, 9431600494 NTPC Farakka Super Thermal Power Station, PO: Nabarun, Dist. Murshidabad, West Bengal -742236
20 .	Octroi (% of PO value)	

Prepared By:
RENU KUMARI
.

For and on Behalf of NTPC Limited

RENU KUMARI
SR. MANAGER (C&M)

List of Documents

Please note that below documents are needed to be provided along with Invoice.

S.No.	Document Description

RENU KUMARI
SR. MANAGER (C&M)

NTPC VENDOR PAYMENT PORTAL & PAYMENT PROCEDURE

1.For all the cases where payment documents are to be directly submitted to NTPC (excluding Payment through Bank cases), the Invoice and supporting document(s) as required in the Purchase Order have to be Digitally Signed with class II or III digital signature and uploaded in the NTPC Vendor Payment Portal https://pradip.ntpc.co.in/VendorFinal/Login.jsp.

In such cases, there will be no requirement of physical copy of invoice & documents except for Lorry Receipts (LRs)/ Delivery Challan, which are normally sent along with the material/ transporter. Bank Guarantees to be sent in original wherever applicable.

2.From 01.01.2020, NTPC will accept only digitally signed Invoice & supporting documents from Vendors for direct payment cases. Submission of documents in physical form shall not be accepted by NTPC unless otherwise asked for in the PO.
For such cases of physical submission, Vendors are required to send complete set of documents including invoice etc. addressed to the "Invoice Receipt Center" of the Delivery/ Invoicing Address as mentioned in the Purchase Order Annexure 1/ BOQ Sheet.

While submitting the Invoice/ Bills & related documents in physical form, Vendors are required to mention the following details on the top of the envelope:
a. Invoice/Bill reference No.
b. NTPC PO No./ Package no.
c. NTPC Vendor Code asper PO

In addition to above, vendors are requested to mention their correspondence E-mail & Mobile No.in the Covering Letter, through which invoice processing related information/clarification request may be sent.

3.Vendors can track / monitor the status of payments from the Vendor payment portal. Help documents are available in the portal. Vendors are requested to make full use of the Vendor Payment Portal.

4. For payment cases through bank, all original documents are to be submitted in bank as per terms of PO.

Alternate Mode of Payment for Micro Small & Medium Enterprises (MSMEs):

Trade Receivables Discounting System (TReDS) is a regulatory framework put in place by the Reserve Bank of India under the Payment and Settlement Systems Act 2007 (PSS Act) to facilitate the financing of trade receivables (invoices) of MSMEs through invoice financing by multiple financiers.

The Reserve Bank of India has granted approval to Mynd Solutions Pvt Limited, A.TREDS Ltd and Receivables Exchange of India Ltd (RXIL) to set up and operate TReDS platforms. The Respective TReDS platforms names of the above-mentioned entities are M1xchange, Invoicemart and TREDS.

Currently NTPC Limited is transacting with M1xchange and RXIL TReDS platforms.
MSME Vendors may choose the TReDS platforms as an alternate payment mechanism.

For queries/ details, the vendor may directly contact M1xchange or RXIL at:-

M1XCHANGE:-
URL: https:\\m1xchange.com
Toll free No.: 1800-103-7261

RXIL:-
URL: https:\\www.rxil.in/Home/Index
Phone: 022-40771424, 40771426
Toll free No.: 1800 1038 311

Vendor must ensure the delivery of material and service before uploading invoices at TReDS portal for discounting. After uploading invoices on TReDS portal, vendor has to upload invoices on NTPC payment portal in case of Non-GeM contract and in case of GeM Contract invoices shall be uploaded on GeM portal, immediately . All relevant documents required for processing of payments as per P.O/Contract terms and conditions shall be made available by the Vendor along with the invoice.

From:	"TECHNICAL TOOLS" <info@technicaltools.co.in>
To:	"Deepak Kumar Sonkar" <DEEPAKKUMARSONKAR@NTPC.CO.IN>
Date:	6/13/2024 1:15:40 PM
Subject:	Pending items for delivery for Stage-1 Paddle Feeder spares atNTPC Farakka.

CAUTION: This Email has been sent from outside the Organization. Unless you trust the sender, Don't click links or open attachments as it may be a Phishing email, which can steal your Information and compromise your Computer.

Dear Sir,

Pending Items are discontinued by Our principal, So we are Not in a position to supply the same.
Extremely sorry for this inconvenience caused to you.

Thanks & Regards
R.S. Singh

Technical Tools, Raipur
Phone: 0771-4058243
Mobile: +91-9993558059
Mail: info@technicaltools.co.in
Web: www.technicaltools.co.in
Save a tree...please don't print this e-mail *unless you really need to*

From: Deepak Kumar Sonkar <DEEPAKKUMARSONKAR@NTPC.CO.IN>
Date: Wednesday, June 12, 2024 at 5:01 PM
To: "info@technicaltools.co.in" <info@technicaltools.co.in>
Cc: "SUDYV@MWCONVEYOR.COM" <SUDYV@MWCONVEYOR.COM>, VINAY CHANDRAWANSHI <VCHANDRAWANSHI01@NTPC.CO.IN>, GOUTAM DAS <GOUTAMDAS@NTPC.CO.IN>, Rajnish Ranjan <RAJNISHRANJAN@NTPC.CO.IN>, Shashi Chandra <SHASHICHANDRA@NTPC.CO.IN>
Subject: RE: Pending items for delivery for Stage-1 Paddle Feeder spares at NTPC Farakka.

Gentle Reminder-1

From: Deepak Kumar Sonkar
Sent: Monday, June 10, 2024 12:37 PM
To: info@technicaltools.co.in
Cc: SUDYV@MWCONVEYOR.COM; VINAY CHANDRAWANSHI <vchandrawanshi01@ntpc.co.in>; GOUTAM DAS <GOUTAMDAS@NTPC.CO.IN>; Rajnish Ranjan <RAJNISHRANJAN@NTPC.CO.IN>; Shashi Chandra <SHASHICHANDRA@NTPC.CO.IN>
Subject: Pending items for delivery for Stage-1 Paddle Feeder spares at NTPC Farakka.

Sir,

Order for spares vide PO 4000275551 dtd. 30.03.2022 and PO 4000275552 dtd. 30.03.2022 was placed on you. The items are urgently required at site. May kindly arrange for their delivery at the earliest.

Regards,
Deepak Kumar Sonkar
Sr. Manager (O&M/FH-MM)
NTPC Farakka
9406712538 / 7772897297

Annexure-O

Non Tariff Income to be shared with Beneficiaries for the FY 2019-20

(Amount in Rs.)

S.No.	Name	Net Non Tariff Income for sharing	Income to be shared (50%)
1	Singrauli Super Thermal Power	8,80,20,860	4,40,10,400
2	Rihand Superthermal Power Proj	6,15,01,782	3,07,50,900
3	Unchahar Super Thermal Power P	4,47,53,180	2,23,76,600
4	Tanda Thermal Power Project	1,48,23,073	74,11,500
5	National Capital Dadrithermal	8,52,54,973	4,26,27,500
6	Auraiya Gas Power Project	84,13,319	42,06,700
7	Anta Gas Power Project	32,82,586	16,41,300
8	Dadri Gas Power Project	13,97,322	6,98,700
9	Faridabad Gas Power Project	30,70,536	15,35,300
10	Korba Super Thermal Power Proj	6,74,87,816	3,37,43,900
11	Vindhyachal Super Thermal Powe	7,74,57,634	3,87,28,800
12	Sipat Super Thermal Power Proj	4,82,42,738	2,41,21,400
13	Kawasgas Power Project	26,06,908	13,03,500
14	Gandhargas Power Project	37,63,661	18,81,800
15	Farakka Super Thermal Power Pr	6,28,10,342	3,14,05,200
16	Kahalgaon Super Thermal Power	6,22,08,912	3,11,04,500
17	Talcher Super Thermal Power Pr	7,89,64,647	3,94,82,300
18	Talcher Tps	50,78,899	25,39,400
19	Barh Thermal Power Plant	1,48,46,724	74,23,400
20	Ramagundam Super Thermal Power	10,25,17,464	5,12,58,700
21	Simhadri Thermal Power Project	4,16,22,169	2,08,11,100
22	Koldam Hydro Project	15,54,098	7,77,000
23	Bongaigaon	27,66,976	13,83,500
24	Mauda	3,18,44,957	1,59,22,500
25	Solapur STPP	1,35,15,046	67,57,500
26	Kudgi STPP	3,13,50,897	1,56,75,400
27	Lara STPP	18,33,788	9,16,900
28	Gadarwara Super Th Power Plant	32,44,086	16,22,000
29	Darlipalli	2,79,151	1,39,600
30	Khargone	6,35,800	3,17,900
31	Barauni Thermal Power Station	18,11,361	9,05,700
	Total	**96,69,61,707**	**48,34,80,900**

For
Management (NTPC)

Thota Vinod Kumar
AGM (Finance Commercial)

For Tanmaya S. Pradhan & Co.
(Cost Accountants)

For Tanmaya S. Pradhan & Co.
Cost Accountants

CMA Tanmaya S. Pradhan
(Partner)

CMA Tanmaya S. Pradhan
(Partner)
M.No. 17590

Non- Tariff Income to be shared with Beneficiary for the year 2020-21

Amount in ₹

S.No.	Station Name	Net Non- Tariff Income to be considered for Sharing	Non- tariff Income to be shared (50%)
1	Singrauli Super Thermal Power Station	9,25,15,000	4,62,57,500
2	Rihand Superthermal Power Project- Stage 1	5,74,34,400	2,87,17,200
3	Rihand Superthermal Power Project- Stage 2	5,74,34,400	2,87,17,200
4	Rihand Superthermal Power Project- Stage 3	5,74,34,400	2,87,17,200
5	Unchahar Super Thermal Power Project- Stage 1	1,34,20,003	67,10,001
6	Unchahar Super Thermal Power Project- Stage 2	1,34,20,003	67,10,001
7	Unchahar Super Thermal Power Project- Stage 3	67,10,001	33,55,001
8	Unchahar Super Thermal Power Project- Stage 4	1,59,76,194	79,88,097
9	Tanda Thermal Power Project- Stage 1	43,01,840	21,50,920
10	Tanda Thermal Power Project- Stage 2	64,52,760	32,26,380
11	National Capital Dadri thermal- Stage 1	3,40,87,292	1,70,43,646
12	National Capital Dadri thermal- Stage 2	3,97,68,508	1,98,84,254
13	Auraiya Gas Power Project	64,19,200	32,09,600
14	Anta Gas Power Project	34,76,400	17,38,200
15	Dadri Gas Power Project	11,87,800	5,93,900
16	Faridabad Gas Power Project	21,35,800	10,67,900
17	Korba Super Thermal Power Project- Stage 1 & 2	9,14,44,015	4,57,22,008
18	Korba Super Thermal Power Project- Stage 3	2,17,72,385	1,08,86,192
19	Vindhyachal Super Thermal Power Project- Stage 1	4,76,95,182	2,38,47,591
20	Vindhyachal Super Thermal Power Project- Stage 2	3,78,53,319	1,89,26,660
21	Vindhyachal Super Thermal Power Project- Stage 3	3,78,53,319	1,89,26,660
22	Vindhyachal Super Thermal Power Project- Stage 4	3,78,53,319	1,89,26,660
23	Vindhyachal Super Thermal Power Project- Stage 5	1,89,26,660	94,63,330
24	Sipat Super Thermal Power Project- Stage 2	79,70,872	39,85,436
25	Sipat Super Thermal Power Project- Stage 1	1,57,82,328	78,91,164
26	Kawasgas Power Project	49,60,400	24,80,200
27	Gandhargas Power Project	31,29,800	15,64,900
28	Farakka Super Thermal Power Project- Stage 1 & 2	5,80,53,638	2,90,26,819
29	Farakka Super Thermal Power Project- Stage 3	1,81,41,762	90,70,881
30	Kahalgaon Super Thermal Power- Stage 1	96,95,036	48,47,518
31	Kahalgaon Super Thermal Power Station- Stage 2	1,73,12,564	86,56,282
32	Talcher Super Thermal Power Project- Stage 1	1,40,80,467	70,40,233
33	Talcher Super Thermal Power Project- Stage 2	2,81,60,933	1,40,80,467
34	Talcher Tps	70,69,200	35,34,600
35	Barh Thermal Power Plant- Stage 2	1,61,00,800	80,50,400
36	Ramagundam Super Thermal Power- Stage 1 & 2	6,03,47,700	3,01,73,850
37	Ramagundam Super Thermal Power- Stage 3	1,43,68,500	71,84,250
38	Simhadri Thermal Power Project- Stage 1	3,93,80,400	1,96,90,200
39	Simhadri Thermal Power Project- Stage 2	3,93,80,400	1,96,90,200
40	Koldam Hydro Project	10,93,200	5,46,600
41	Bongaigaon	1,37,83,200	68,91,600
42	Mauda	1,18,21,638	59,10,819
43	Mauda- Stage 2	1,56,04,562	78,02,281
44	Solapur STPP	1,36,52,400	68,26,200
45	Kudgi STPP	60,87,800	30,43,900
46	Lara STPP	62,24,800	31,12,400
47	Gadarwara Super Th Power Plant	1,07,29,600	53,64,800
48	Darlipalli	55,00,200	27,50,100
49	Khargone	78,86,800	39,43,400
50	Barauni Thermal Power Station- Stage 1	16,91,800	8,45,900
51	Barauni Thermal Power Station- Stage 2	38,45,000	19,22,500
	Total	**1,15,74,28,000**	**57,87,14,000**

For Management (NTPC)

Thota Vinod Kumar
AGM (Finance Commercial)

For R.M. Bansal
Cost Accountants
FRN- 000022

R.M. Bansal & Co. FRN 000022 Cost Accountants

Shri R.M. Bansal
(Partner)
M.No. 3323

UDIN21053223Z2ISR7VKJW7

Date_ 03-12-21

NTPC Ltd.

Non- Tariff Income to be shared with Beneficiary for the year 2021-22

Amount in ₹

S.No.	Station Name	Net Non- Tariff Income to be considered for Sharing	Non- tariff Income to be shared (50%)
1	Singrauli Super Thermal Power Station	11,18,44,600	5,59,22,300
2	Rihand Superthermal Power Project- Stage 1	4,50,25,800	2,25,12,900
3	Rihand Superthermal Power Project- Stage 2	4,50,25,600	2,25,12,800
4	Rihand Superthermal Power Project- Stage 3	4,50,25,600	2,25,12,800
5	Unchahar Super Thermal Power Project- Stage 1	1,92,11,400	96,05,700
6	Unchahar Super Thermal Power Project- Stage 2	1,92,11,600	96,05,800
7	Unchahar Super Thermal Power Project- Stage 3	96,05,800	48,02,900
8	Unchahar Super Thermal Power Project- Stage 4	2,28,71,000	1,14,35,500
9	Tanda Thermal Power Project- Stage 1	84,17,000	42,08,500
10	Tanda Thermal Power Project- Stage 2	2,21,03,400	1,10,51,700
11	National Capital Dadri thermal- Stage 1	57,01,200	28,50,600
12	National Capital Dadri thermal- Stage 2	2,55,13,400	1,27,56,700
13	Auraiya Gas Power Project	61,54,800	30,77,400
14	Anta Gas Power Project	68,72,400	34,36,200
15	Dadri Gas Power Project	11,55,400	5,77,700
16	Faridabad Gas Power Project	29,18,400	14,59,200
17	Korba Super Thermal Power Project- Stage 1 & 2	11,87,75,200	5,93,87,600
18	Korba Super Thermal Power Project- Stage 3	2,82,79,800	1,41,39,900
19	Vindhyachal Super Thermal Power Project- Stage 1	4,54,69,000	2,27,34,500
20	Vindhyachal Super Thermal Power Project- Stage 2	3,60,86,600	1,80,43,300
21	Vindhyachal Super Thermal Power Project- Stage 3	3,60,86,600	1,80,43,300
22	Vindhyachal Super Thermal Power Project- Stage 4	3,60,86,600	1,80,43,300
23	Vindhyachal Super Thermal Power Project- Stage 5	1,80,43,200	90,21,600
24	Sipat Super Thermal Power Project- Stage 2	1,40,72,800	70,36,400
25	Sipat Super Thermal Power Project- Stage 1	2,78,64,400	1,39,32,200
26	Kawasgas Power Project	47,13,800	23,56,900
27	Gandhargas Power Project	77,01,000	38,50,500
28	Farakka Super Thermal Power Project- Stage 1 & 2	3,28,32,600	1,64,16,300
29	Farakka Super Thermal Power Project- Stage 3	1,02,60,200	51,30,100
30	Kahalgaon Super Thermal Power- Stage 1	2,10,90,600	1,05,45,300
31	Kahalgaon Super Thermal Power Station- Stage 2	3,76,62,000	1,88,31,000
32	Talcher Super Thermal Power Project- Stage 1	2,79,63,800	1,39,81,900
33	Talcher Super Thermal Power Project- Stage 2	5,59,27,400	2,79,63,700
34	Barh Thermal Power Plant- Stage 1	72,95,000	36,47,500
35	Barh Thermal Power Plant- Stage 2	3,80,38,600	1,90,19,300
36	Ramagundam Super Thermal Power- Stage 1 & 2	9,06,49,400	4,53,24,700
37	Ramagundam Super Thermal Power- Stage 3	2,15,83,200	1,07,91,600
38	Simhadri Thermal Power Project- Stage 1	3,46,84,000	1,73,42,000
39	Simhadri Thermal Power Project- Stage 2	3,46,84,000	1,73,42,000
40	Koldam Hydro Project	27,14,600	13,57,300
41	Bongaigaon	66,83,200	33,41,600
42	Mauda	98,34,200	49,17,100
43	Mauda- Stage 2	1,29,81,000	64,90,500
44	Solapur STPP	2,45,76,400	1,22,88,200
45	Kudgi STPP	73,77,800	36,88,900
46	Lara STPP	1,40,40,000	70,20,000
47	Gadarwara Super Th Power Plant	1,03,03,000	51,51,500
48	Darlipalli	2,38,38,000	1,19,19,000
49	Khargone	1,06,69,800	53,34,900
50	Barauni Thermal Power Station- Stage 1	56,17,800	28,08,900
51	Barauni Thermal Power Station- Stage 2	1,80,49,800	90,24,900
	Total	1,32,91,92,800	66,45,96,400

For
Management (NTPC)

Thota Vinod Kumar
GM (Finance Commercial)

For R.M. Bansal
Cost Accountants
FRN 000022

R.M. Bansal & Co. FRN 000022 Cost Accountants

Shri R.M. Bansal
(Partner)
Membership No. 3323

UDIN 22033223ZZDHSW9F2CL
Date - 07-06-22

NTPC Ltd.

Non- Tariff Income to be shared with Beneficiary for the year 2022-23

Amount in ₹

S.No.	Station Name	Net Non- Tariff Income to be considered for Sharing	Non- tariff Income to be shared (50%)
1	Singrauli Super Thermal Power Station	4,37,94,600	2,18,97,300
2	Rihand Superthermal Power Project- Stage 1	8,10,26,600	4,05,13,300
3	Rihand Superthermal Power Project- Stage 2	8,10,26,400	4,05,13,200
4	Rihand Superthermal Power Project- Stage 3	8,10,26,400	4,05,13,200
5	Unchahar Super Thermal Power Project- Stage 1	56,58,600	28,29,300
6	Unchahar Super Thermal Power Project- Stage 2	56,58,600	28,29,300
7	Unchahar Super Thermal Power Project- Stage 3	28,29,400	14,14,700
8	Unchahar Super Thermal Power Project- Stage 4	67,36,400	33,68,200
9	Tanda Thermal Power Project- Stage 1	41,25,200	20,62,600
10	Tanda Thermal Power Project- Stage 2	1,23,75,800	61,87,900
11	National Capital Dadri thermal- Stage 1	14,31,94,600	7,15,97,300
12	National Capital Dadri thermal- Stage 2	16,70,60,400	8,35,30,200
13	Auraiya Gas Power Project	32,34,200	16,17,100
14	Anta Gas Power Project	56,49,000	28,24,500
15	Dadri Gas Power Project	9,89,800	4,94,900
16	Faridabad Gas Power Project	25,66,400	12,83,200
17	Korba Super Thermal Power Project- Stage 1 & 2	9,95,17,600	4,97,58,800
18	Korba Super Thermal Power Project- Stage 3	2,36,94,600	1,18,47,300
19	Vindhyachal Super Thermal Power Project- Stage 1	4,18,19,600	2,09,09,800
20	Vindhyachal Super Thermal Power Project- Stage 2	3,31,90,400	1,65,95,200
21	Vindhyachal Super Thermal Power Project- Stage 3	3,31,90,400	1,65,95,200
22	Vindhyachal Super Thermal Power Project- Stage 4	3,31,90,400	1,65,95,200
23	Vindhyachal Super Thermal Power Project- Stage 5	1,65,95,200	82,97,600
24	Sipat Super Thermal Power Project- Stage 2	6,76,15,400	3,38,07,700
25	Sipat Super Thermal Power Project- Stage 1	13,18,78,600	6,59,39,300
26	Kawaspas Power Project	43,10,200	21,55,100
27	Gandhargas Power Project	11,39,000	5,69,500
28	Farakka Super Thermal Power Project- Stage 1 & 2	3,78,23,800	1,89,11,900
29	Farakka Super Thermal Power Project- Stage 3	1,18,20,000	59,10,000
30	Kahalgaon Super Thermal Power- Stage 1	3,91,41,600	1,95,70,800
31	Kahalgaon Super Thermal Power Station- Stage 2	6,98,95,800	3,49,47,900
32	Talcher Super Thermal Power Project- Stage 1	8,41,67,200	4,20,83,600
33	Talcher Super Thermal Power Project- Stage 2	16,83,34,400	8,41,67,200
34	Barh Thermal Power Plant- Stage 1	63,50,600	31,75,300
35	Barh Thermal Power Plant- Stage 2	1,27,01,200	63,50,600
36	Ramagundam Super Thermal Power- Stage 1 & 2	8,37,34,400	4,18,67,200
37	Ramagundam Super Thermal Power- Stage 3	1,99,36,800	99,68,400
38	Simhadri Thermal Power Project- Stage 1	1,64,29,600	82,14,800
39	Simhadri Thermal Power Project- Stage 2	1,64,29,600	82,14,800
40	Koldam Hydro Project	10,94,800	5,47,400
41	Bongaigaon	1,22,73,000	61,36,500
42	Mauda	2,06,96,800	1,03,48,400
43	Mauda- Stage 2	2,73,19,800	1,36,59,900
44	Solapur STPP	1,50,01,400	75,00,700
45	Kudgi STPP	1,40,90,000	70,45,000
46	Lara STPP	2,28,88,600	1,14,44,300
47	Gadarwara Super Th Power Plant	2,19,91,000	1,09,95,500
48	Darlipalli	59,85,200	29,92,600
49	Khargone	27,03,000	13,51,500
50	Barauni Thermal Power Station- Stage 1	16,87,200	8,43,600
51	Barauni Thermal Power Station- Stage 2	76,69,400	38,34,700
52	Nabinagar Super Thermal Power Station-Stage 1	5,90,19,400	2,95,09,700
53	Muzaffarpur TPS (Kanti) -Stage 2	28,39,600	14,19,800
		1,91,71,18,000	**95,85,59,000**

For
Management (NTPC)

Thota Vinod Kumar
GM (Finance Commercial)

For R.J. Goel & Co.,
Cost Accountants

(Hari Krishan Goel)
Partner
Membership No. 14256

02-06-2023

UDIN: 23142562ZZ56BFOHJSM

S. DHAL & CO.
COST ACCOUNTANTS

NTPC Limited

Non-tariff income to be shared with beneficiaries for the year 2023-24

(Amount in Rs.)

Sl No.	Station Name	Net Non-tariff income to be considered for sharing	Non-tariff income to be shared (50%)
1	Singrauli Super Thermal Power Station	25,64,04,400	12,82,02,200
2	Rihand Superthermal Power Project- Stage 1	6,32,12,600	3,16,06,300
3	Rihand Superthermal Power Project- Stage 2	6,32,12,800	3,16,06,400
4	Rihand Superthermal Power Project- Stage 3	6,32,12,600	3,16,06,300
5	Unchahar Super Thermal Power Project- Stage 1	1,13,29,000	56,64,500
6	Unchahar Super Thermal Power Project- Stage 2	1,13,29,000	56,64,500
7	Unchahar Super Thermal Power Project- Stage 3	56,64,600	28,32,300
8	Unchahar Super Thermal Power Project- Stage 4	1,34,87,000	67,43,500
9	Tanda Thermal Power Project- Stage 1	1,13,93,600	56,96,800
10	Tanda Thermal Power Project- Stage 2	3,41,80,600	1,70,90,300
11	National Capital Dadri thermal- Stage 1	8,89,64,800	4,44,82,400
12	National Capital Dadri thermal- Stage 2	10,37,92,600	5,18,96,300
13	Auraiya Gas Power Project	15,60,600	7,80,300
14	Anta Gas Power Project	15,59,000	7,79,500
15	Dadri Gas Power Project	6,11,400	3,05,700
16	Faridabad Gas Power Project	54,37,200	27,18,600
17	Korba Super Thermal Power Project- Stage 1 & 2	16,04,42,400	8,02,21,200
18	Korba Super Thermal Power Project- Stage 3	3,82,00,600	1,91,00,300
19	Vindhyachal Super Thermal Power Project- Stage 1	3,31,80,800	1,65,90,400
20	Vindhyachal Super Thermal Power Project- Stage 2	2,63,34,000	1,31,67,000
21	Vindhyachal Super Thermal Power Project- Stage 3	2,63,34,000	1,31,67,000
22	Vindhyachal Super Thermal Power Project- Stage 4	2,63,34,000	1,31,67,000
23	Vindhyachal Super Thermal Power Project- Stage 5	1,31,67,000	65,83,500
24	Sipat Super Thermal Power Project- Stage 2	4,76,49,600	2,38,24,800
25	Sipat Super Thermal Power Project- Stage 1	9,43,46,000	4,71,73,000
26	Kawas gas Power Project	41,55,200	20,77,600
27	Gandhar gas Power Project	65,43,000	32,71,500
28	Farakka Super Thermal Power Project- Stage 1 & 2	5,83,48,200	2,91,74,100
29	Farakka Super Thermal Power Project- Stage 3	1,82,33,800	91,16,900
30	Kahalgaon Super Thermal Power- Stage 1	3,65,40,400	1,82,70,200
31	Kahalgaon Super Thermal Power Station- Stage 2	6,52,50,600	3,26,25,300
32	Talcher Super Thermal Power Project- Stage 1	4,90,71,000	2,45,35,500
33	Talcher Super Thermal Power Project- Stage 2	9,81,42,200	4,90,71,100
34	Barh Thermal Power Plant- Stage 1	1,34,12,400	67,06,200
35	Barh Thermal Power Plant- Stage 2	1,60,95,000	80,47,500
36	North Karanpura STPS	1,83,41,200	91,70,600
37	Ramagundem Super Thermal Power- Stage 1 & 2	13,53,93,200	6,76,96,600
38	Ramagundem Super Thermal Power- Stage 3	3,22,36,400	1,61,18,200
39	Simhadri Thermal Power Project- Stage 1	1,76,31,400	88,15,700
40	Simhadri Thermal Power Project- Stage 2	1,76,31,400	88,15,700
41	Koldam Hydro Project	19,81,000	9,90,500
42	Bongaigaon	3,12,54,000	1,56,27,000
43	Mauda	1,29,51,400	64,75,700
44	Mauda- Stage 2	1,70,96,000	85,48,000
45	Solapur STPP	1,84,92,800	92,46,400
46	Kudgi STPP	5,41,77,800	2,70,88,900
47	Lara STPP	4,88,51,000	2,44,25,500
48	Gadarwara Super Th Power Plant	1,58,01,400	79,00,700
49	Darlipalli	2,40,40,000	1,20,20,000
50	Khargone	1,24,11,000	62,05,500
51	Barauni Thermal Power Station- Stage 1	93,82,000	46,91,000
52	Barauni Thermal Power Station- Stage 2	4,26,45,200	2,13,22,600
53	Nabinagar Super Thermal Power Station-Stage 1	2,05,53,600	1,02,76,800
54	Muzaffarpur TPS (Kanti) -Stage 2	64,30,800	32,15,400
		2,10,44,33,600	**1,05,22,16,800**

For
Management (NTPC)

Thota Vinod Kumar
GM (Finance Commercial)

For S. Dhal & Co.,
Cost Accountants

(Sailabala Dhal)
Partner
Membership No. 22835

UDIN - 24228352Z2V33V8100

S DHAL & CO. FRN-000197 BHUBANESWAR COST ACCOUNTANTS

Bhubaneswar | Kolkata | Bangalore | Mumbai | Ghaziabad

ANNEXURE-P

COURT-1

IN THE APPELLATE TRIBUNAL FOR ELECTRICITY
(Appellate Jurisdiction)

APL No. 304 OF 2016
APL No. 171 OF 2017
APL No. 139 OF 2017
APL No. 140 OF 2017
APL No. 96 OF 2017
APL No. 159 OF 2017

Dated: 28th August, 2023

Present : Hon`ble Mr. Justice Ramesh Ranganathan, Chairperson
Hon`ble Mr. Sandesh Kumar Sharma, Technical Member

In the matter of:

APL No. 304 OF 2016

NTPC Limited
NTPC Bhawan, SCOPE Complex,
7, Institutional Area, Lodhi Road,
New Delhi – 110003

…. Appellant(s)

Versus

1. **Central Electricity Regulatory Commission**
3rd& 4th Floor, Chanderlok Building,
36, Janpath, New Delhi- 110001 …. Respondent No.1

2. **Uttar Pradesh Power Corporation Ltd. (UPPCL) Shakti Bhawan, 14, Ashok Marg, Lucknow-226001, Uttar Pradesh …. Respondent No.2**

3. **Jaipur Vidyut Vitaran Nigam Ltd. (JVVNL) Vidyut Bhawan, Janpath, Jaipur- 302005 …. Respondent No.3**

4.	**Ajmer Vidyut Vitran Nigam Limited (AVVNL) Vidyut Bhawan, Panchsheel Nagar, Makarwali Road, Ajmer-305 004**	**….**	**Respondent No.4**
5.	**Jodhpur Vidyut Vitaran Nigam Ltd. (JdVVNL) New Power House, Industrial Area, Jodhpur-342003**	**….**	**Respondent No.5**
6.	**Tata Power Delhi Distribution Ltd. (TPDDL) Grid Substation, Hudson Road, Kingsway Camp, Delhi-110009**	**….**	**Respondent No.6**
7.	**BSES Rajdhani Power Ltd. (BRPL) BSES Bhawan, Nehru Place, New Delhi-110019**	**….**	**Respondent No.7**
8.	**BSES Yamuna Power Ltd. (BYPL) Shakti Kiran Building, Karkardooma, Delhi-110092**	**….**	**Respondent No.8**
9.	**Haryana Power Purchase Centre. (HPPC) Shakti Bhawan, Sector-VI, Panchkula, Haryana-134109**	**….**	**Respondent No.9**
10.	**Punjab State Power Corporation Ltd, (PSPCL) The Mall, Patiala-147001**	**….**	**Respondent No.10**
11.	**Himachal Pradesh State Electricity Board Ltd. (HPSEBL) Kumar Housing Complex Building-II, VidyutBhawan, Shimla- 171004**	**….**	**Respondent No.11**
12.	**Power Development Department, Govt, of Jammu & Kashmir, Secretariat, Srinagar-190 009**	**….**	**Respondent No.12**
13.	**Power Department (Chandigarh) Union Territory of Chandigarh, Addl. Office Building, Sector-9 D, Chandigarh-160 009**	**….**	**Respondent No.13**

14. Uttarakhand Power Corporation Ltd. (UPCL) UrjaBhawan, Kanwali Road, Dehradun-248001 …. Respondent No.14

Counsel on record for the Appellant(s) : Shri Venkatesh
Varun Singh
Pratyush Singh For App1

Counsel on record for the Respondent(s) : Manu Seshadri For Res1
Pradeep Misra For Res2
Raj Bahadur Sharma For Res7

APL No. 171 OF 2017

**NTPC Limited
NTPC Bhawan, SCOPE Complex,
7, Institutional Area, Lodhi Road,
New Delhi – 110003**

…. Appellant(s)

Versus

**1. Central Electricity Regulatory Commission
Through its Secretary
3rd& 4th Floor, Chanderlok Building,
3 6, Janpath, New Delhi- 110001 …. Respondent No.1**

**2. Uttar Pradesh Power Corporation Ltd. (UPPCL)
Through its Chairman
Shakti Bhawan, 14, Ashok Marg,
Lucknow-226001, Uttar Pradesh …. Respondent No.2**

**3. Jaipur Vidyut Vitaran Nigam Ltd.
Through its Chairman
(JVVNL) Vidyut Bhawan, Janpath,
Jaipur- 302005 …. Respondent No.3**

**4. Ajmer Vidyut Vitran Nigam Limited (AVVNL)
Through its Chairman
Old Power House HathiBhata,**

Jaipur Road, Ajmer-305 004 …. Respondent No.4

5. Jodhpur Vidyut Vitaran Nigam Ltd. (JdVVNL)
Through its Chairman
New Power House,
Industrial Area, Jodhpur-342003 …. Respondent No.5

6. Tata Power Delhi Distribution Ltd. (TPDDL)
Through its Chairman
33 KV Grid Substation, Hudson Road,
Kingsway Camp, Delhi-110009 …. Respondent No.6

7. BSES Rajdhani Power Ltd. (BRPL)
Through its Chairman
BSES Bhawan, Nehru Place,
New Delhi-110019 …. Respondent No.7

8. BSES Yamuna Power Ltd. (BYPL)
Through its Chairman
Shakti Kiran Building, Karkardooma, …. Respondent No.8
Delhi-110092

9. Haryana Power Purchase Centre. (HPPC)
Through its Chief Engineer
Shakti Bhawan, Sector-VI, Panchkula,
Haryana-134109 …. Respondent No.9

10. Punjab State Power Corporation Ltd, (PSPCL)
Chairman-cum-Managing Director
The Mall, Patiala-147001 …. Respondent No.10

11. Himachal Pradesh State Electricity Board Ltd. (HPSEBL)
Chairman-cum-Managing Director
Kumar Housing Complex Building-II,
VidyutBhawan, Shimla- 171004 …. Respondent No.11

12. Power Development Department,
Govt. of Jammu & Kashmir,

Secretariat, Srinagar-190 009 …. Respondent No.12

**13. Power Department (Chandigarh)
Union Territory of Chandigarh,
Through its Chief Engineer
Addl. Office Building, Sector-9 D,
Chandigarh-160 009 …. Respondent No.13**

**14. Uttarakhand Power Corporation Ltd.
(UPCL)
Through its Chief Engineer
UrjaBhawan, Kanwali Road,
Dehradun-248001 …. Respondent No.14**

Counsel on record for the Appellant(s) : Shri Venkatesh
Varun Singh
Pratyush Singh For App1

Counsel on record for the Respondent(s) : For Res1
Pradeep Misra For Res2
Ranjana Roy Gawai For Res6
Raj Bahadur Sharma For Res7

APL No. 139 OF 2017

**NTPC Limited
NTPC Bhawan, SCOPE Complex,
7, Institutional Area, Lodhi Road,
New Delhi – 110003**

…. Appellant(s)

Versus

**1. Madhya Pradesh Power Management Company Limited
Through its Managing Director
Shakti Bhawan, Vidyut Nagar,
Jabalpur – 482008 …. Respondent No.1**

**2. Maharashtra State Electricity Distribution Company Ltd.
Through its Managing Director
Pradashgad, Bandra (East),**

Mumbai – 400051 …. Respondent No.2

3. Gujarat Urja Vikas Nigam Ltd.
Through its Managing Director
Sardar Patel Vidyut Bhawan,
Race Course Road, Vadodra-390 007 …. Respondent No.3

4. Chattisgarh State Power Distribution Company Limited,
Through its Managing Director
P.O. Sundar Nagar, Danganiya,
Raipur – 492913 …. Respondent No.4

5. Electricity Department, Government of Goa.
Through its Secretary
Government of Goa, Vidyut Bhawan,
Panaji, Goa – 403001 …. Respondent No.5

6. Electricity Department,
Through its Secretary
Administration of Daman & Dui – 396210 …. Respondent No.6

7. Electricity Department,
Through its Secretary
Administration of Dadra and Nagar Haveli,
Silvassa-396230 …. Respondent No.7

8. Central Electricity Regulatory Commission
Through its Secretary
3rd& 4th Floor, Chanderlok Building,
36, Janpath, New Delhi- 110001 …. Respondent No.8

Counsel on record for the Appellant(s) : Adarsh Tripathi
Vikram Singh Baid
Ajitesh Garg For App1

Counsel on record for the Respondent(s) : Ravi Sharma For Res1
Sethu Ramalingam For Res8

APL No. 140 OF 2017

NTPC Limited
NTPC Bhawan, SCOPE Complex,
7, Institutional Area, Lodhi Road,
New Delhi – 110003

…. Appellant(s)

Versus

1. **Madhya Pradesh Power Management Company Limited**
Through its Managing Director
Shakti Bhawan, Vidyut Nagar,
Jabalpur – 482008 **…. Respondent No.1**

2. **Maharashtra State Electricity Distribution Company Ltd.**
Through its Managing Director
Pradashgad, Bandra (East),
Mumbai – 400051 **…. Respondent No.2**

3. **Gujarat Urja Vikas Nigam Ltd.**
Through its Managing Director
Sardar Patel Vidyut Bhawan,
Race Course Road, Vadodra-390 007 **…. Respondent No.3**

4. **Chattisgarh State Power Distribution Company Limited,**
Through its Managing Director
P.O. Sundar Nagar, Danganiya,
Raipur – 492913 **…. Respondent No.4**

5. **Electricity Department,**
Government of Goa.
Through its Secretary
Government of Goa, Vidyut Bhawan,

Panaji, Goa – 403001 …. Respondent No.5

**6. Electricity Department,
Through its Secretary
Administration of Daman & Dui – 396210 …. Respondent No.6**

**7. Electricity Department,
Through its Secretary
Administration of Dadra and Nagar Haveli,
Silvassa-396230 …. Respondent No.7**

**8. Central Electricity Regulatory Commission
Through its Secretary
3rd& 4th Floor, Chanderlok Building,
36, Janpath, New Delhi- 110001 …. Respondent No.8**

Counsel on record for the Appellant(s)	:	Adarsh Tripathi Vikram Singh Baid Ajitesh Garg For App1
Counsel on record for the Respondent(s)	:	Ravi Sharma For Res1 Anna Malhotra For Res8

APL No. 96 OF 2017

**NTPC Limited
NTPC Bhawan, SCOPE Complex,
7, Institutional Area, Lodhi Road,
New Delhi – 110003**

…. Appellant(s)

Versus

**1. AP Eastern Power Distribution Company Limited
Through its Managing Director
Corporate Office, P&T Colony,
Seethammadhara,
Visakhapatnam –530 013 - (AP) …. Respondent No.1**

2. AP Southern Power Distribution Company Limited

Through its Managing Director
Back Side Srinivasa Kalyana,
Mandapam Tiruchhanur Road,
Kesavayana Gunta,
Tirupathi – 517 503 (AP)

…. Respondent No.2

3. **Telangana State Northern Power Distribution Company Limited (formerly Andhra Pradesh Northern Power Distribution Company Ltd.) Through its Managing Director H. No. 2-5-31/2 Vidyut Bhavan, Nakkalagutta, Hanamkonda, Warangal – 506 001**

…. Respondent No.3

4. **Telangana State Southern Power Distribution Company Limited (formerly Andhra Pradesh Central Power Distribution Company Ltd.) Through its Managing Director Mint Compound, Corporate Office Hyderabad – 500 063.**

…. Respondent No.4

5. **Bangalore Electricity Supply Company Limited Through its Managing Director Krishna Rajendra Circle, Bangalore – 560 001.**

…. Respondent No.5

6. **Mangalore Electricity Supply Company Ltd. Through its Managing Director, Paradigm Plaza, A.B. Shetty Circle, Pandeshwar, Mangalore – 575 001.**

…. Respondent No.6

7. **Chamundeshwari Electricity Supply Corporation Ltd. Through its Managing Director, CESC, Corporate office, No. 29, Ground floor, Kaveri Grameena bank road, Vijayanagar 2nd stage, Mysore - 570017.**

…. Respondent No.7

8. Gulbarga Electricity Supply Company Ltd.
Through its Managing Director
Main road, Gulbarga -585 102
Karnataka.

…. Respondent No.8

9. Hubli Electricity Supply Company Ltd.
Through its Managing Director,
Corporate office,
P.B. Road, Navanagar, Hubli – 580 025.

…. Respondent No.9

10. Kerala State Electricity Board Ltd.
Through its Managing Director
Vaidyuthi Bhavanam,
Pattom Thiruvananthapuram – 695 004.

…. Respondent No.10

11. Tamil Nadu Generation & Distribution Corporation Ltd.
Through its Managing Director
7th Floor, NPKRR Maligai,
144, Anna Salai, Chennai – 600 002.

…. Respondent No.11

12. Electricity Department Govt. of Puducherry
Through its Superintending Engineer-I
137, NSC Bose Salai,
Puducherry – 605 001 **…. Respondent No.12**

13. Electricity Department Government of Goa
Through its Chief Engineer (Electrical)
Vidyut Bhavan, 3rd Floor, Panaji,
GOA – 403 001 **…. Respondent No.13**

14. Central Electricity Regulatory Commission
Through its Secretary,
3rd& 4th Floor, Chanderlok Building,
36, Janpath, New Delhi- 110001

…. Respondent No.14

Counsel on record for the Appellant(s)	:	Adarsh Tripathi Vikram Singh Baid Ajitesh Garg For App1
Counsel on record for the Respondent(s)	:	For Res1 S. Vallinayagam For Res11 Anna Malhotra For Res14 Rakesh Kumar Sharma For Res3 Rakesh Kumar Sharma For Res4

APL No. 159 OF 2017

NTPC Limited
NTPC Bhawan, SCOPE Complex,
7, Institutional Area, Lodhi Road,
New Delhi – 110003

…. Appellant(s)

Versus

1. **West Bengal State Electricity Distribution Company Limited**
Through its Managing Director
Vidyut Bhawan, Block-DJ,
Sector-II, Salt Lake City
Kolkata – 700 091 **…. Respondent No.1**

2. **Bihar State Power holding Company Limited**
Through its Managing Director
Vidyut Bhawan, Bailey Road
Patna – 800 001 **…. Respondent No.2**

3. **Jharkhand State Electricity Board,**
Through its Managing Director
Engineering Building,
HEC, Dhurwa, Ranchi – 834004 **…. Respondent No.3**

4. **GRIDCO Limited**
Through its Managing Director
24, Janpath, Bhubaneswar – 751007 **…. Respondent No.4**

5. **Haryana Power Purchase Centre(HPPC)**
Through its Managing Director

Shakti Bhawan, Sector-6,
Panchukla, Haryana - 134109 …. Respondent No.5

6. Power Department
Through its Secretary
Govt. of Sikkim, Kazi Road,
Gangtok, Sikkim-737101 …. Respondent No.6

7. Tamil Nadu Generation and
Distribution Company Limited
Through its Managing Director
NPKRP Maaligail, 144, Anna Salai,
Chennai – 600002 …. Respondent No.7

8. Punjab State Power Corporation
Limited,
Through its Managing Director
The Mall, Patiala -147001 …. Respondent No.8

9. Uttar Pradesh Power Corporation
Limited
Through its Managing Director
Shakti Bhawan, 14, Ashok Marg,
Lucknow – 226001 …. Respondent No.9

10. Power Development Department (J&K)
Through its Secretary
Govt. of J&K Secretariat,
Srinagar-190 009 …. Respondent No.10

11. Assam Power Distribution Company
Limited
Through its Managing Director
Bijulee Bhawan, Paltan Bazar,
Guwahati - 782001 …. Respondent No.11

12. BSES Rajdhani Power Limited
Through its Managing Director
BSES Bhawan, Nehru Place
New Delhi-110019 …. Respondent No.12

13. BSES Yamuna Power Limited
Through its Managing Director

Shakti Kiran Bldg., Karkardooma,
Delhi-110092 …. Respondent No.13

14. Tata Power Delhi Distribution Company Limited
Through its Managing Director
33 KV Sub Station Bldg.
Hudson Lane, Kingsway Camp
New Delhi-110009 …. Respondent No.14

15. Jaipur Vidyut Vitran Nigam Ltd
Through its Managing Director
400 kV GSS Building (Ground Floor),
Ajmer Road,
Heerapura, Jaipur-302024 …. Respondent No.15

16. Ajmer Vidyut Vitran Nigam Ltd
Through its Managing Director
400 kV GSS Building (Ground Floor),
Ajmer Road, Heerapura, Jaipur-302024 …. Respondent No.16

17. Jodhpur Vidyut Vitran Nigam Ltd
Through its Managing Director
400 kV GSS Building (Ground Floor),
Ajmer Road, Heerapura, Jaipur-302024 …. Respondent No.17

18. Central Electricity Regulatory Commission
Through its Secretary
3rd& 4th Floor, Chanderlok Building,
36, Janpath, New Delhi- 110001 …. Respondent No.18

Counsel on record for the Appellant(s) : Adarsh Tripathi
Vikram Singh Baid
Ajitesh Garg For App1

Counsel on record for the Respondent(s) : For Res1
Raj Bahadur Sharma For Res12
Raj Bahadur Sharma
Mohit Mudgal For Res13
Raj Bahadur Sharma For Res2
Raj Kumar Mehta For Res4
S. Vallinayagam For Res7
Pradeep Misra For Res9

JUDGMENT

PER HON'BLE MR. JUSTICE RAMESH RANGANATHAN, CHAIRPERSON

I. INTRODUCTION:

The appeals, which form part of the present batch, were filed by the Appellant- M/s NTPC Ltd. They are (i) Appeal No. 304 of 2016 challenging the Order of the CERC in Petition No. 291/GT/2014 dated 23.08.2016, with respect to the Appellant's Rihand Super Thermal Power Station Stage-1; (ii) Appeal No. 171 of 2017 challenging the order of the CERC in Petition No. 319/GT/2014 dated 22.03.2017, with respect to its Feroze Gandhi Unchahar TPS, Stage -1; (iii) Appeal No. 96 of 2017 challenging the Order of the CERC in Petition No. 292/GT/2014 dated 24.01.2017, with respect to its Ramagundam Super Thermal Power Station Stage I & II; (iv) Appeal No. 139 of 2017 challenging the Order of the CERC in Petition No. 338/GT/2014 dated 24.02.2017, with respect to its Vindhyachal Super Thermal Power Plant Stage-I; (v) Appeal No. 140 of 2017 challenging the Order of the CERC in Petition No. 323/GT/2014 dated 24.02.2017, with respect to its Korba Thermal Power Station Stage I & II; and (vi) Appeal No. 159 of 2017 challenging the Order of the CERC in Petition No. 316/GT/2014 dated 10.03.2017, with respect to its Farakka Super Thermal Power Station Stage I & II.

Appeal No. 304 of 2016 has been filed by M/s. NTPC Ltd (Formerly National Thermal Power Corporation Ltd), a generating company owned and controlled by the Central Government, against the Order passed by the Central Electricity Regulatory Commission dated 23.08.2016, rejecting the petition filed by them against the Uttar Pradesh Power Corp. Ltd ("UPPCL" for short) and others, under Section 79(1)(a) of the Electricity Act, 2003. In the petition filed by them before the CERC, the

Appellant had sought approval of the tariff of Rihand Super Thermal Power Station, Stage-I (2 x 500 MW) for the period 2014-19 in accordance with the CERC Tariff Regulations, 2014. Rihand STPS, Stage-I, one of the generating stations owned by the Appellant, has a total capacity of 1000 MW comprising two units of 500 MW each. The COD of Unit-I was 01.01.1990, and Unit II was 01.01.1991. By the Order, impugned in this Appeal, the CERC disallowed the following expenditure incurred by the Appellant i.e: (i) Ash Slurry Pump House; (ii) 1st raising of Mithini Ash Dyke Lagoon-I; (iii) 2nd raising of Central Ash Dyke Lagoon-I; (iv) 2nd raising of Central Ash Dyke Lagoon-2; (v) 1st raising of Mithini Ash Dyke Lagoon-2; (vi) 3rd raising of Central Ash Dyke Lagoon-2; (vii) Modification of Electro Static Precipitator, Stage-I, and (viii) Fire Detection & Protection System, Stage-I. The Additional Capital Expenditure incurred by NTPC was disallowed by the CERC holding that the Appellant had already been compensated by way of the Special Allowance prescribed under Regulation 16 of the CERC Tariff Regulations, 2014.

Appeal No. 171 of 2017 is filed by M/s. NTPC Ltd against the order of the CERC dated 22.03.2017. The Appellant had filed the petition before the CERC, against the Uttar Pradesh Power Corp. Ltd. ("UPPCL" for short) and others, seeking approval of the tariff of Feroze Gandhi Unchahar Thermal Power Station, Stage- I (420 MW) for the period from1.4.2014 to 31.3.2019 in accordance with the CERC Tariff Regulations, 2014. Unchahar TPS, Stage-I, one of the generating stations owned by the Appellant, has a total capacity of 420 MW and comprises of two units of 210 MW each. The generating station was taken over by the Appellant from the erstwhile UPRUVNL on 13.02.1992. Unit I of Unchahar TPS, Stage-I achieved its COD on 21.11.1988, and Unit II on 22.03.1989. By the impugned Order, the CERC disallowed the following expenditure incurred by the Appellant ie (i) Inert gas system for CCR (central control

room) and CER (Central Equipment Room); (ii) Online Monitoring for CO_2 in Flue Gas; (iii) Fire Fighting system for Stacker, Reclaimer I and II in CHP and Main Plant; and (iv) Modification of ESPs. The CERC disallowed the Special Capital Expenditure, claimed by the Appellant as having been incurred on account of a 'Change in Law', holding that they had already been compensated by way of the Special Allowance under Regulation 16 of the CERC Tariff Regulations, 2014.

Appeal No. 159 of 2017 is filed by M/s. NTPC Ltd against the order passed by the CERC dated 10.03.2017. The said order was passed in a petition filed by the Appellant, against the West Bengal State Electricity Distribution Company Limited ("WBSEDCL" for short), seeking approval of the tariff of Farakka Super Thermal Power Station, Stage-I & II (1600 MW) for the period 2014-19 in accordance with the CERC Tariff Regulations, 2014. The Farakka Super Thermal Power Station, Stage I and II, with a total capacity of 1600 MW, comprises of three units of 200 MW each and two units of 500 MW each. The electricity generated therefrom is supplied to Respondent Nos. 1 to 17 herein. By the Order, impugned in this Appeal, the CERC disallowed the following expenditure incurred by the Appellant ie (i) 4th Raising of Nishindra Ash Dyke I & II; (ii) Starter dyke of Nishindra Lagoon-III; (iii) Inert Gas Fire Extinguishing System; (iv) Dry Ash Extraction System; (v) Renovation of Electro Static Precipitator (ESP); and (vi) Replacement of Wooden and Cast Iron Sleepers of Merry Go Round [MGR]. The CERC disallowed the Additional Capital Expenditure incurred by the appellant, which they claimed was on account of a 'Change in Law', holding that they had already been compensated by way of the Special Allowance prescribed under Regulation 16 of the Tariff Regulations, 2014. The question which mainly arises for consideration in this Appeal is whether the Additional Capital Expenditure incurred by the Appellant in view of the 'Change in Law' that

had occurred in the recent past, and the expenditure incurred towards the works relating to raising of the Ash Dyke could be claimed under Regulation 14, or whether it could only be compensated under Regulation 16 of the CERC Tariff Regulations, 2014.

Appeal No. 96 of 2017 has been filed by M/s. NTPC Ltd against the Order passed by the CERC dated 24.01.2017, rejecting the petition filed by them against the AP Eastern Power Distribution Company Ltd ("APEPDCL" for short) and others, seeking approval of the tariff of Ramagundam Super Thermal Power Station Stage-I & II (3X200 MW +3X500MW), for the period 2014-19 in accordance with the CERC Tariff Regulations,2014. The Ramagundam Super Thermal Power Station, Stage I & II, with a total capacity of 2100 MW, comprises 6 units, three units of 200 MW each and three units of 500 MW each. The electricity generated from the Ramagundam STPS Stage I-II is supplied to Respondents Nos. 1 to 13 herein. By the Orders, impugned in these Appeals, the CERC disallowed the following expenditure incurred by the Appellant i.e. (i) Ash Dyke/ash pond related works, (ii) N2 Dyke strengthening, (iii) Earth covers for Ash Dyke, (iv) Halon replacement, (v) DAES Online CO2, (vi) SOX, (vii) NOX Analyzer, (viii) Mulsifyre System for transformers and cable galleries, (ix) MVW system for CHP, (x) Railway Wagons, and (xi) Online Effluent Analyzer. The CERC disallowed the Additional Capital Expenditure, claimed by the Appellant under Clauses (ii), (iii), (iv) and (x) of Regulation 14(3), mainly on the ground that they had already been compensated by way of the Special Allowance under Regulation 16 of the CERC Tariff Regulations, 2014.

Appeal No. 139 of 2017 has been filed by M/s. NTPC Ltd aggrieved by the Order passed by the CERC dated 24.02.2017 rejecting their petition. In the petition filed by them against the Madhya Pradesh Power

Management Company Limited ("MPPMCL" for short) and others, the Appellant sought approval of the tariff of Vindhyachal Super Thermal Power Station, Stage-I (1260 MW) for the period 2014-19 in accordance with the CERC Tariff Regulations,2014. The Vindhyachal Stage I, with a total capacity of 1260 MW, comprises of 6 units of 210 MW each. The electricity generated from the Vindhyachal Stage-I is supplied to Respondents No. 1 to 7 herein. By the Order, impugned in this Appeal, the CERC disallowed the following expenditure incurred by the Appellant i.e. (i) Near Zero Discharge of Water, (ii) Continuous Emission Monitoring System, (iii) Replacement of Halon System, (iv) installation of CCTV Surveillance System, and (v) Augmentation of existing fire fighting system. The CERC disallowed the Capital Expenditure, claimed by the Appellant as having been incurred on account of a 'Change in Law', holding that the appellant had already been compensated by way of the Special Allowance under Regulation 16 of the Tariff Regulations, 2014.

Appeal No. 140 of 2017 has been filed by M/s. NTPC Ltd against the Order passed by the CERC dated 24.02.2017, rejecting their petition. In their petition filed against the Madhya Pradesh Power Management Company Limited ("MPPMCL" for short) and others, the Appellant sought approval of the tariff of the Korba Station, Stage I and II for the period 2014-19 in accordance with the CERC Tariff Regulations,2014. The Korba Super Thermal Power Station, Stage I & II, with a capacity of 2100 MW, consists of 3 units of 200 MW each and 3 units of 500 MW each. The electricity generated from the Korba Station is supplied to Respondents No. 1 to 7 herein. By the Order, impugned in this Appeal, the CERC disallowed the following expenditure incurred by the Appellant i.e. (i) ESP modification works, (ii) Halon Replacement, and (iii) Ash Dyke Related works. The CERC disallowed the Special Capital Expenditure, claimed

by the Appellant as having been incurred on account of a 'Change in Law', holding that the appellant had already been compensated by way of the Special Allowance under Regulation 16 of the Tariff Regulations, 2014.

II. PLEADINGS:

As the issues, which arise for consideration in these batch of appeals, are largely common, we see no reason to burden this judgement with the pleadings in all the six Appeals. It would, in our view, suffice if the pleadings in Appeal No. 304 of 2016 are alone noted.

In Appeal No. 304 of 2016, the CERC determined the tariff of Rihand Super Thermal Power Station Stage-I (2x500 MW) in accordance with the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014 (hereinafter referred to as the '2014 Regulations'). The appellant alleges that the CERC erred in disallowing the additional capitalization claimed by them in respect of the following: (i) Ash Slurry Pump House; (ii) 1st raising of Mithini Ash Dyke Lagoon-I; (iii) 2nd raising of Central Ash Dyke Lagoon-I; (iv) 2nd raising of Central Ash Dyke Lagoon-2; (v) 1st raising of Mithini Ash Dyke Lagoon-2; (vi) 3rd raising of Central Ash Dyke Lagoon-2; (vii) Modification of Electro Static Precipitator, Stage-I; and (viii) Fire Detection & Protection System, Stage-I. The case of both the appellant and the respondent, with respect to these claims, are summarized below.

A. CASE OF THE APPELLANT:

The Appellant, a Generating Company within the meaning of Section 2 (28) of the Electricity Act, 2003 (herein referred to as "*the Act*"), has power stations/projects at different regions and places in the country. Rihand STPS, Stage-I, one of the generating stations owned by the

Appellant, has a total capacity of 1000 MW comprising two units of 500 MW each; and, while the COD of Unit I was 01.01.1990, the COD of Unit II was 01.01.1991. The tariff, for sale of Electricity by the Appellant, is regulated by the CERC. The present Appeal is filed challenging the legality and validity of the Order passed by the CERC, in Petition No.291/GT/2014 dated 23.08.2016, in relation to the Rihand Super Thermal Power Station Stage-1.

In the Impugned Order, the CERC, after interpreting certain provisions of the 2014 Regulations, disallowed the Additional Capital Expenditure to be incurred by the Appellant on the Rihand STPS, Stage-I, holding that the said expenditure is covered under the Special Allowance for coal based/lignite fired Thermal Generating Stations as provided under Regulation 16 of the 2014 Regulations.

According to the Appellant, the CERC failed to appreciate that the Projected Additional Capital Expenditure sought was on the ground of 'Change in Law' events, as contemplated under Regulation 14 of the 2014 Regulations, that had occurred in the recent past, and works related to the raising of Ash Dyke; such capitalization had nothing to do with R&M works required for extending the life of the plant beyond 25 years as contemplated under the Special Allowance determined under the 2014 Tariff Regulations; and the Impugned Order is in contravention of the Tariff Policy and the various notifications issued by the Government of India promoting generation from power plants which have attained the age of 25 years.

In this Appeal, the disallowance of the following items of Additional Capitalization is being questioned: -(a) ***Ash Related Works: -*** (i) Works related to Ash Slurry Pump House; (ii) 1st raising of Mithini Ash Dyke Lagoon-I; (iii) 2nd raising of Central Ash Dyke Lagoon – I; (iv) 2nd raising of Central Ash Dyke Lagoon- 2; (v) 1st raising of Mithini Ash Dyke Lagoon 2;

and (vi) 3rd raising of Central Ash Dyke Lagoon 2; (b) ***Change in Law related works***:- (i) Fire Detection & Protection System, St-1 (in CHP Area);and (ii) Modification of Electro Static Precipitator, Stage- 1

With respect to Ash slurry house, the CERC, in the Impugned Order dated 23.08.2016, observed that the appellant had claimed a projected additional capital expenditure of ₹72.00 lakh in 2014-15 towards installation of Ash slurry pump contending that the work related to augmentation of Ash slurry pump house in order to pump bottom ash slurry and fly ash slurry from the common ash slurry sump to the central and Mathini Ash Dyke area for continuous disposal of ash slurry in order to ensure no overflow of Ash slurry from the sump; the respondents had contended that no details had been submitted of the proposed life extension for the projected additional capital expenditure at the end/after the useful life of the plant, the said work was not a deferred work relating to ash or ash handling system, and should be disallowed.

The CERC had then referred to Regulation 27(7) of 2014 Tariff Regulations, and observed that the appellant had claimed projected additional capital expenditure during the fag end of completion of useful life of 25 years, and had not provided any justification or proposal for life extension of the project; in terms of Regulation 15 of the 2014 Tariff Regulations, they had the liberty to approach the Commission with a comprehensive scheme of R&M for extension of life of the generating station; however, the appellant had opted for “Special Allowance” from the year 2015-16 in order to meet the requirement of expenses including R&M beyond the useful life of the generating station; in this background, they were not inclined to allow the projected additional capital expenditure of ₹72.00 lakh claimed in 2014-15; and the appellant should meet the expenses from the “Special Allowance” permitted to the generating station for 2014-2015.

With regards Ash dyke raising, the appellant, in the petition filed before the CERC, claimed a projected capital expenditure of ₹980.00 lakhs for the1st raising of Mathini Ash Dyke Lagoon-I, ₹560.00 lakhs for the 2nd raising of Central Ash Dyke Lagoon-I in 2015-16, ₹560.00 lakhs for the 2nd raising of Central Ash Dyke Lagoon-2 and Rs.1000.00 lakhs for the 1st raising of Mathini Ash Dyke Lagoon-2 in 2017-18, and ₹600.00 lakhs for the 3rd raising of Central Ash Dyke Lagoon-2 in 2018-19; in justification, they submitted that these works had already been approved by the CERC vide order in Petition No. 176/GT/2013 dated 15.5.2014; the work was required to be executed for optimum utilization of land for land disposal, conservation of forest/cultivating land, and compliance with the directions of statuary bodies; by order in Petition No. 176/GT/2013 dated 15.5.2014, the CERC had approved the projected additional capital expenditure of ₹789.91 lakhs in 2012-13 for the 1st raising of Mathini Ash Dyke Lagoon-I, and in Petition No. 317/GT/2014 no additional capital expenditure was incurred/claimed for the same; on the other hand, the respondents had submitted that, though the plant was completing its useful life in 2015-16, details of the proposed life extension of the generating station, for the capital expenditure at the end/after of the useful life, had not been submitted; the appellant had claimed “Special Allowance” from 2014-15 onwards in terms of the 2014 Tariff Regulations; and,, hence, they were not entitled for the projected additional capital expenditure.

The Appellant submits that, on this issue, the CERC had opined that the generating station would be completing its useful life of 25 years during the year 2015-16; the expenditure for Ash Dyke works were to facilitate operation of the plant after the useful life of 25 years, and for the extended period of operation; the appellant was at liberty to approach the CERC with a comprehensive scheme of R&M for extension of life of the

generating station; the appellant had opted for the “Special Allowance" in order to meet the requirement of expenses including R&M beyond the useful life of the generating station; and, in this background, they were not inclined to allow the projected additional capital expenditure against the Ash Dyke work.

On the issue of Modification of ESP of Stage-I as a Change in law, it is stated that the appellant had claimed a total projected additional capital expenditure of ₹5840.00 lakhs in 2015-16 and ₹5840.00 lakh in 2016-17, towards modification of ESP of Stage-I, to achieve the emission level of 100 mg/Nm3 specified by the Uttar Pradesh Pollution Control Board, vide letter dated 17.2.2011 under Regulation 14(3)(ii) of the 2014 Tariff Regulations; in its previous order in Petition No. 261/2009 dated 7.6.2012, a sum of ₹13,000 lakhs was approved by the CERC for the same; the appellant did not claim any expenditure towards ESP in Petition 176/GT/2013 and, considering the timelines in the contract and the requirement of shutdowns, capitalization of the expenditure would stretch beyond 2013-14 and would continue till the year 2015-16; the respondent had contended that neither details regarding the proposed life extension for the expenditure at the end of /after the useful life of the plant, nor documentary evidence relating to “change in law” had been submitted; the appellant had claimed Special allowance from 2015-16 onwards in term of the 2014 Tariff Regulations; hence, they were not entitled for the projected additional capital expenditure; in response, the appellant had submitted that the modification of ESP Stage-1 was not in the nature of R&M as provided under the 2014 Tariff Regulations, and the work was event based to be undertaken to fulfil statutory requirements.

The appellant states that, on this issue, the CERC opined that the projected additional capital expenditure claimed for modification of ESP, after expiry of useful life of 25 years of the generating station, was in the

nature of R&M; the appellant had opted for Special Allowance for meeting expenditure including R&M, beyond the useful life of the generating station during the period 2014-19; since they were allowed Special Allowance in terms of Regulation 16 of the 2014 Tariff Regulations for the period 2014-19, to meet expenditure including R&M beyond the useful life of the generating station, the projected additional capital expenditure of ₹11,680.00 lakhs (₹5840.00 lakhs in 2015-16 and ₹5840.00 lakhs in 2016-17) was being disallowed; and the appellant may meet the expenditure from the Special Allowance allowed to the generating station.

The appellant states that, with regards fire detection & protection system in Stage- I, they had claimed projected additional capital expenditure of ₹400.00 lakh in 2014-15 towards the modification of Fire detection & Protection system in Stage- I, under Regulation 14(3)(ii) & 14(3)(iii) of the 2014 Tariff Regulations; they had submitted that, in terms of the Central Electricity Authority (Technical Standards for construction of Electrical Plants and Electric Lines) Regulation, 2010, major works such as (i) Installation of Medium Velocity Water Spray system for coal conveyers, crusher house, cable galleries, stacker reclaimer of CHP; (ii) Installation of analogue addressable type fire detection and alarm system; (iii) Installation of fire hydrants, were essentially required to prevent fire break out; augmentation of fire protection system of Stacker Reclaimer area, and conveyers, was essentially required to prevent any catastrophic damage in case fire breaks out in CHP, as existence of coal in CHP area makes it vulnerable to fire hazard, and mobile fire protection equipment may not be able to control the spread of fire; and they had claimed capitalisation of augmentation of Fire protection system under Regulation 14(3)(iii) of the 2014 Tariff Regulations; the Respondent had stated that details of the proposed life extension, for the expenditure at the end/after of the useful life, had not been submitted by the appellant; Regulation

12(5) of the Central Electricity Authority Regulations, 2010 provided the technical standards for construction of electrical plants; and, as the generating station was already a constructed plant, the said regulation was not applicable in this case.

The Appellant submits that the CERC had opined that the projected additional capital expenditure claimed towards augmentation of Fire fighting system, in CHP, Cable galleries, Conveyers etc, were based on the CEA Regulations, 2010; the appellant had not established that augmentation of the fire fighting system was due to any change in law; a proper and well equipped fire fighting system was required in any thermal power generating station, even prior to the notification of the CEA Regulation 2010 prescribing safety standards; hence, it could not be contended that the change in law was on account of the CEA Regulations 2010; even otherwise, the appellant had not indicated how safety standards, under the CEA Regulations, was a change in law which prompted the expenditure under this head; the appellant had not established existence of any change in law which justified the expenditure towards augmentation of fire fighting systems; they were not inclined to allow the projected additional capital expenditure of ₹400.00 lakhs claimed under this head for 2015-16; and this expenditure may be met from the Special Allowance granted to the generating station.

The Appellant submits that, in effect, no projected additional capital expenditure had been allowed for the period 2014-19 in respect of the aforesaid claims; the impugned Order does not interpret the true import of Regulation 14(3) of the 2014 Tariff Regulations; it incorrectly assumes that Regulation 14(3) and Regulation 16 of the 2014 Tariff Regulations are not mutually exclusive; and it ignores that the Appellant had, in the instant case, already submitted that the Additional Capital Expenditure, projected to be incurred during the fag end of the Station, would not extend

the life of the Station, as life extension of the Station depended on extension of the life of all plant equipment simultaneously, or at least BTG works.

The Appellant submits that Regulation 14(3) of the 2014 Tariff Regulations operates independent of Regulation 16, and it would suffice to demonstrate that Capital Expenditure is being increased not for the purpose of R&M ie for increasing the life of the project; the Appellant had specifically stated that the subject expenditure was necessitated either due to a change in law or compliance of any existing law, or improvement of safety of plant or other capital expenditure which had either been previously allowed, or such expenditure was not related to R&M for life extension of the Plant; and these claims were summarily rejected since the Appellant was claiming Special Allowance under Regulation 16.

According to the appellant, the interpretation placed by the CERC on the Regulations was erroneous; If the aim of the 2014 Tariff Regulations was to combine Additional Capitalisation under Regulation 14, with the special allowance given under Regulation 16, then a proviso would have been inserted either in Regulation 14(3) or Regulation 16, making them subject to each other; in its Regulations, the CERC has carved out various exceptions when it felt that a dispensation ought not lead to duplicity; for example – the 2nd Proviso to Regulation 14(3) states that all expenditure, other than those mentioned under Regulation 14(3)(i) to (iv) in case of coal/ lignite based station, shall be met out of compensation allowance; the 3rd Proviso to Regulation 14(3) provides that if an expense is claimed under R&M then the same cannot be claimed as Additional Capitalization; this is consistent with the case of the Appellant as the Additional Capitalization sought is over and above the Special Allowance or R&M, and hence needs to be compensated additionally; the conclusion of the CERC that, since the Appellant was availing Special Allowance, it was not

entitled to Additional Capitalization under Regulation 14(3), is contrary to its Regulations itself; this issue, though raised by the Appellant in Appeal No. 61 of 2015, was dismissed by this Tribunal in its Judgment dated 29.04.2016 against which the Appellant has preferred a Civil Appeal before the Supreme Court; the grounds urged in the present appeal were not considered by this Tribunal in the earlier Judgment as Additional Capital Expenditure, claimed therein, was for a period in which the same was not capitalized; this Tribunal, while passing the Judgment, simply observed that expenditure on ESP can be claimed under Regulation 10 of CERC 2009 Regulations; and the finding of the CERC is also contrary to the Judgment of the Supreme Court, in **LIC v. D.J. Bahadur, (1981) 1 SCC 315,** wherein the legal maxim generalia specialibus non derogant was applied.

The appellant states that the finding of the CERC that the Additional Capital Expenditure in relation to Modification of ESP of Stage -1, which is an admitted 'Change in Law or compliance of existing law' event, does not fall within Regulation 14(3) but can be compensated in terms of Regulation 16 of the 2014 Tariff Regulations is erroneous; the capital expenditure on account of Electro Static Precipitators, claimed by Appellant under Regulation 14(3)(ii), i.e. under the head `Change in Law or compliance of existing law', is admissible, as such expenditure had become necessary on account of statutory requirements; as the claim is admissible under the specific Regulation i.e Regulation 14(3)(ii) of the 2014 Tariff Regulations, it cannot be said to form part of the Special Allowance under Regulation 16, especially when an exception to Regulation 14(3)(ii) has been carved out in the proviso; the Regulation relating to Special Allowance is as an alternative for determination of the capital expenditure to be allowed on Renovation and Modernization for the purpose of extension of life beyond the useful life of the generating

station or unit thereof; it is independent of Regulation 14(3)(ii) which relates to Change in Law or compliance of existing law; Regulation 14 (3)(ii) does not restrict application of Change in law either during the useful life of the generating station or after Renovation and Modernization; accordingly, if anything needs to be incurred by way of capital expenditure on account of the changed directions of law at any time, the same is admissible towards additional capitalization under this specific Regulation; and Regulation 14(3)(ii) applies to the entire period after the cutoff date, including during and after Renovation and Modernization of the plant/unit for extending the useful life as it is applicable for the works undertaken and claimed due to fulfillment of the statutory requirement.

The Appellant states that the capital expenditure, on Electro Static Precipitators, was allowed by the CERC in the order in Petition No 261/2009 dated 7.6.2012 for the 2009-14 period; based on this order dated 7.6.2012, i.e. only after regulatory certainty on the claim of Electro Static Precipitators being allowed in tariff, the Appellant went ahead and initiated the process of ESP modification; the CERC cannot therefore, at a later stage, reconsider issues already decided in their own previous order, as this would create uncertainty in servicing capital expenditure incurred on the basis of the prior approval and regulatory certainty; and the Tariff Policy, as amended in 2016, also warrants that expenditure incurred due to “Change in Law” events must be passed on to the beneficiaries.

The appellant states that the Additional Capital Expenditure, in relation to Fire Detection & Protection system in Stage -1, is a ‘Change in Law or compliance of existing law’ event; it is also required for Safety & Security of the Station; the CERC erred in holding that it does not fall within Regulation 14(3), but can be compensated in terms of Regulation 16 of the 2014 Tariff Regulations; the appellant conducted an internal fire

safety audit and decided that, in order to improve the overall safety of the plant, it would comply with existing provisions of the Central Electricity Authority (Technical Standards for Construction of Electric Plants and Electric Lines) Regulations 2010 as the guiding document, the only available statutory document specific to power plants in this regard; augmentation of fire protection system, of the Stacker Reclaimer area and conveyers, is essentially required to prevent any catastrophic damage in case fire breaks out in the Coal Handling Plant (CHP), as existence of coal in CHP area makes it vulnerable to fire hazard, and mobile fire protection equipment may not be able to control the spread of fire; considering the safety of the Plant & Equipment, and as O&M of personnel was the utmost priority, it was decided to align the firefighting system of the Appellant's plants as per the CEA Regulations; the CERC rejected this claim on the ground that sufficient reasons had not been provided for such augmentation, and it should be met from the Special Allowance; the works relating to Fire Detection and Protection System was carried out in line with Regulation 12(5) of the 2010 CEA Regulations which required thermal generating stations to be equipped with comprehensive/ automatic fire detection, alarm and fire protection system; in rejecting this claim, the CERC concluded that the 2010 CEA Regulations cannot be said to be a Change-in-law; and the CERC failed to consider the other part of Regulation 14(3)(ii), i.e. compliance of any existing law, which, in the present case, is the 2010 CEA Regulations.

The Appellant states that the works, relating to Modification of ESPs, were being carried out to comply with the emission norms of 100 mg/Nm3 as per the statutory direction of the Uttar Pradesh Pollution Control Board (UPPCB); these works were undertaken based on the directions and notifications of the respective statutory bodies, which could not have been envisaged before hand; such expenses are, therefore, not covered under

the normative Special Allowance under Regulation 16 of the 2014 Tariff Regulations; the Ministry of Environment, Forest and Climate change, vide Gazette notification dated 7.12.2015, amended various norms for Thermal Power Plants; to comply with them, several works were required to be carried out incurring substantial expenditure; the Tariff Regulations do not envisage such unforeseen expenses being incurred under Special Allowance as these expenditure would not be known before hand; Regulation 14(3)(ii) does not restrict application of Change in law only up to the useful life of the generating stations; it is applicable, even after its useful life, till the units are in service; if any expenditure needs to be incurred by way of capital expenditure, in compliance with the directions of statutory bodies at any point of time, they should be admissible as additional capitalization under Regulation 14(3) of the 2014 Tariff Regulations; the National Perspective Plan, notified by the Central Electricity Authority dealing with renovation, modernization and life extension of thermal power stations (valid up to 2016-17), provides that the cost of Life Extension & Upgradation works (LE&U) shall not exceed 50% of the EPC cost of a new generating unit of indigenous origin (BHEL); if the LE&U works are limited to BTG, the cost ceiling shall be restricted to 50% of the new BTG unit only; accordingly, the Special allowance granted in lieu of Renovation & Modernization, namely an amount of Rs 7.5 lakhs/ MW/ year, is not sufficient to meet the expenditure required for the Boiler Turbine Generator (BTG); by way of illustration, in the case of the recently commissioned Rihand Generating Station (2x500 MW) of NTPC, the Boiler Turbine Generator (BTG) cost works out to approximately Rs 2.4 to 2.7 Crores/ MW, and 50% thereof amounts to Rs 1.20 to Rs 1.35 Cr./ MW; the aforesaid Plan envisages allowance of Rs 1.20 to 1.35 Cr./ MW towards Renovation & Modernization of Boiler Turbine Generator (BTG) works alone; and, even assuming Renovation &

Modernization of Boiler Turbine Generator (BTG) results in a life extension of 10 years, the meagre special allowance of Rs 1 Cr./ MW (considering Rs 7.5 Lakh/ MW/ year for 10 years with the escalation of 6.35%) does not even compensate for the Rs 1.20 Cr to 1.35 Cr./MW required for the BTG works alone.

The appellant states that, in the Impugned Order, the CERC failed to deal with the issue as to how execution of works, like Ash Dyke or Ash Handling System, on account of a change in Law or compliance of any existing law, can be linked to the special allowance granted to a generating station; for example if a Station, which is granted a Special Allowance of Rs 100 Cr (for a 5 year period), is required to incur expenditure of even Rs 100 Crores during the same control period in compliance with a notified Statute, it will not be in a position to carry out any of the R&M works, ash related works or comply with any other unforeseen changes in law events; in terms of the 2014 Tariff Regulations, the R&M for a station can be claimed either on actual basis as per Regulation 15, or in lieu thereof special allowance can be claimed at Rs.7.50 lakhs/MW/year under Regulation 16; in case, actual R&M expenditure is claimed under Regulation 15, then any change in law which is unforeseen and occurs in view of any statutory notification should be separately allowed as per the Regulations as the same has to be serviced in tariff, which is also in line with the Tariff Policy; if a generator chooses to avail Special Allowance under Regulation 16, which is in lieu of Regulation 15, the same analogy is applicable and, any unforeseen expenditure on account of change in law, should be serviced in tariff; therefore the special allowance, as claimed by the appellant under Regulation 16, is merely a substitute for the cost allowed under Regulation 15, and has no correlation with future unforeseen expenditure;

Regulation 14 is not subject to either Regulation 15 or Regulation 16 as both are independent and mutually exclusive; while Regulation 15 or 16 are in the alternative, the expenditure incurred towards events under Regulation 14, like change in law, safety and security and ash related expenditure etc, are in addition to the expenditure allowed under Regulations 15 or 16, as they cannot be foreseen before hand; and, from the aforesaid illustration, it is evident that the available Special Allowance, even if accumulated over 10 years, is insufficient to carry out even the R&M works of Boiler, Turbine & Generator, and there is no way that the generator can absorb these unforeseen future expenses and the expenditure on ash related works which are recurring and continuous in nature.

The appellant states that the CERC erred in holding that the Additional Capital Expenditure, incurred in relation to Ash Dyke Raising/ Ash slurry pump house, does not fall within Regulation 14(3) but can be compensated only under Regulation 16 of the 2014 Tariff Regulations; the expenditure for 1st raising of Mithini Ash Dyke, Lagoon-I had been specifically allowed by the CERC, by its order in Petition No. 176/GT/2013 dated 15.05.2014, with respect to Rihand STPS, Stage-I; it defies reason that the same expenditure should be disallowed for a subsequent control period; the National Electricity Policy requires regulatory certainty to be maintained in the electricity sector; once additional capitalization has been allowed for a specific period, it cannot be disallowed for a subsequent period; for the same tariff component, the CERC cannot apply two opposite provisions without assigning cogent reasons; and the CERC failed to consider the submission of Appellant that the Additional Capital Expenditure, projected to be incurred during the fag end of the Station, would not extend the life of the Station, as life extension of the Station

depends on extension of the life of all equipment of the plant simultaneously, or at least BTG works, which is not the case herein.

The appellant submits that, by disallowing Additional Capital Expenditure claimed by the Appellant in relation to various Change in Law events, the CERC has brought about a situation where the Appellant will be eventually forced to shut down the plant, which is not in the larger interest of the consumers, and is also against the mandate of the Tariff Policy and the GoI Notifications; as per Government of India Notification dated 16th July 2015, the appellant's coal based Power Stations, that complete 25 years, should be used for bundling with solar capacity being established by the Appellant as part of the Government of India's ('***GoI***') plans for enhancing renewable energy generation in the country; the Notification also prescribes that the PPA for Solar Capacity, to be bundled with the Appellant's Coal based power stations completing 25 years, will be for the next 25 years, and would be reviewed after 15 years depending upon the condition of the coal based power stations; the GoI Policy also envisages that Coal based power Stations, completing 25 years, can have a further useful life of at least 15 years; and the said notification has been issued to give thrust to power plants which have attained the life of 25 years, for the reason that the tariff of such plants is highly competitive vis-à-vis plants presently supplying to beneficiaries.

The appellant submits that the Government of India, vide its Notification dated 17th July 2015, has already allocated 85% (1700 MW) of power from Singrauli STPS of the Appellant, which has completed 25 years, for bundling with Solar power of 3000 MW capacity; these notifications make it clear that the Act and the Policy mandate that their debt free power plant is given impetus to continue supplying power to all beneficiaries as the cost of generation from these power plants are much

lower compared to other generating projects; the Appellant's power plant has already completed 25 years; as it is a fully depreciated plant, the cost of power supplied therefrom stands reduced; the Fixed charges and Energy charges of power supplied from the Appellant's power plant is Rs. 0.84/Kwh and Rs. 1.6/Kwh respectively, which is amongst the cheapest power available in the country; these power plants, with very low tariff and completely depreciated assets, should be allowed to operate in an efficient manner to be able to continue generating power for the overall benefit of the consumers; the 2016 Tariff Policy also prescribes that the benefit of reduced tariff of power plants, whose assets have been fully depreciated, should remain available to consumers; even if the entire Additional Capitalization is allowed, as sought by the Appellant, the capacity charge would only increase by Rs. 0.04 Per Unit, which still makes the cost of power generation from the Appellant's Power Plant highly competitive vis-à-vis other plants operating and supplying to the same beneficiaries; as opposed thereto, the replacement cost of 1000 MW Station is approx Rs.5500 Cr, and its Fixed Charges today would be approx Rs 2.00/Kwh; the beneficiary should get the advantage of the depreciated assets; therefore, the Appellant's power plant, being a depreciated asset with very low tariff, should not be forced to shut down; the additional capitalization, sought by the Appellant with respect to various change in law events, should be allowed for the plant to continue generating power so that the beneficiaries and consumers can take advantage of the depreciated assets and reduced tariff; and coal based power plants, that complete useful life of 25 years, should not be shut down, and must be put to optimum utilization for the benefit of the consumers/ beneficiaries.

The Appellant states that the various additional Capital Expenditure incurred by it squarely falls within Regulation 14(3) i.e. Additional

Capitalization, and not Regulation 16 which essentially deals with Special Allowance for Coal fired Thermal Generating Stations; with respect to Ash Slurry Pump House and Ash Dyke Raising, they had submitted that the CERC had after prudence check, vide its Order in Petition No. 176/GT/2013 dated 15.05.2014, allowed similar capitalization of expenditure for Rihand St-I in respect of raising of Central Ash Dyke and raising of Mithini Ash Dyke as per Regulation 9(2)(iii) of Tariff Regulations, 2009; the expenditure incurred for ash related works is essential for compliance with the statutory requirement of ensuring that the ash dyke area is not flooded; capitalization on account of raising of Ash Dyke is admissible under the 2014 Tariff Regulations; raising of Ash Dyke, instead of creating an Ash Dyke of full capacity at once, is a gradual development of the asset; development of the compete Ash Dyke in stages, through raising, is to the benefit of beneficiaries; these ash related works are required for smooth and efficient operation of the plant even after the useful life of the station, and have no impact individually on the overall life of the Station; the special Allowance under Regulation 16 of the Tariff Regulations, 2014 is for Renovation and Modernization, and not for capital expenditure necessitated for other reasons falling under Regulation 14, such as Change in Law, Ash related schemes; and, therefore, Special Allowances under Regulation 16 and Add cap carried out under Regulation 14 can co-exist.

On Modification of ESP Stage-I, the appellant states that works, such as Modification of Electro-Static Precipitators (ESPs), are undertaken to comply with the statutory directions of the Uttar Pradesh State Pollution Control Board's letter dated 17.02.2011 which stipulates the need to achieve the emission level to 100 mg/Nm3; these works are event based, and cannot be envisaged before hand; and the capital

expenditure, to meet the requirement under change in law, is admissible irrespective of the life of the plant.

On Fire Detection & Protection System St-1, the appellant submits that, during the fire safety audit, the Central Electricity Authority (Technical Standards for Construction of Electric Plants and Electric Lines) Regulations 2010, the only available statutory document specific to power plants, was followed as the guiding document; safety of the Plant & Equipment and O&M of personnel, being of the utmost priority, it was decided to align fire-fighting system of NTPC plants as per the CEA Regulations; augmentation of fire protection system of Stacker Reclaimer area and conveyers is essential to prevent catastrophic damage in case fire breaks out in the CHP; existence of coal in the CHP area makes it vulnerable to fire hazard, and mobile fire protection equipment may not be able to control the spread of fire.

The appellant states that the expenditure of 1st raising of Maithini Ash dyke, Lagoon-I had been previously approved by the CERC in its order in Petition No. 176/GT/2013 dated 15.05.2014 in respect of Rihand STPS, Stage-I; the expenditure in relation to flooding of surrounding areas, due to overflowing of ash from Ash Dyke, is in violation of the statutory orders of the Ministry of Environment & Forest, and necessitates compliance; for optimum utilization of land for ash disposal & conservation of forest/cultivating land, raising of Ash Dyke is carried out gradually instead of creating it at once; front loading of tariff is avoided thereby; the said capital expenditure is required to be incurred for smooth operation of the plant, and does not individually impact the overall life of the plant; the special Allowance under Regulation 16 does not envisage capital expenditure necessitated under Regulation 14; works carried out for compliance with statutory requirement is not in the nature of R&M for which special allowance is granted in the Tariff Regulations; change in

Law has to be complied with, irrespective of the life of the project; therefore, the capital expenditure to meet the requirement of change in Law would be admissible irrespective of the life of the plant; the special allowance allowed by the CERC, in lieu of R&M, is insufficient to meet the expenditure required for R&M of BTG works alone; and the obligation to record reasons, and pass a speaking order, has been emphasized by the Supreme Court in **S.N Mukherjee vs. Union of India (1990) 4 SCC 594,** and this Tribunal in **M/s Jayshree Chemicals Limited vs. OERC & Anr (**Judgment in Appeal No. 190 of 2005 dated 04.04.2006).

B. CASE OF THE RESPONDENT:

The Respondent submits that the Appellant had claimed additional capital expenditure of Rs. 72 lakhs for works related to augmentation of 'Ash Slurry Pump House', during 2014-15, under Regulation 14(3)(iv) of the 2014 Tariff Regulations; the claim under this regulation can be made only if it is 'Deferred works related to ash pond or ash handling system in the original scope of work'; as the proposed work was for augmentation of 'Ash Slurry Pump House', it did not fall under Regulation 14(3)(iv); the CERC therefore examined the issue for the purposes of R&M as the claim was made during the fag end of the 'useful life' of the generating station; it was noted that the Appellant had not filed details of the proposal for R&M under Regulation 15 of the 2014 Tariff regulations, and they had exercised the option to claim 'Special Allowance' under Regulation 16 of the 2014 Tariff regulations; thus, the claim was not permissible under R&M works; the Appellant has not stated why they waited for 24 years to complete the deferred work, in case the work proposed was contained in the original scope of the project or why the deferred works for execution were not detailed in the petition as per the proviso to Regulation 14(1) of the Tariff Regulations, 2014; a similar proviso is also contained in

Regulation 9(1) of the 2009 Tariff Regulations; the claim of the Appellant is without any basis; the Appellant has claimed and was allowed Rs. 1000 lakhs during 2014-15 as 'Compensation Allowance' under Regulation 17 of the 2014 Tariff Regulations to meet expenses on new assets of a capital nature which are not admissible under Regulation 14 of the 2014 Tariff Regulations; and the claim is liable to be rejected.

It is submitted, on behalf of the Respondent, that the Appellant has claimed additional capital expenditure on 'Ash Dyke Works', during FY 2015-16, 2017-18 and 2018-19, under Regulation 14(3)(iv) of the 2014 Tariff Regulations, in respect of the following: (i) 1st raising of Mithini Ash Dyke Lagoon-I; (ii) 2nd raising of Central Ash Dyke Lagoon-I; (iii) 2nd raising of Central Ash Dyke Lagoon-2; (iv) 1st raising of Mithini Ash Dyke Lagoon-2; and (v) 3rd raising of Central Ash Dyke Lagoon-2; the Appellant contends that the 'Special Allowance', under Regulation 16 of the 2014 Tariff Regulations, is norm based, and they are also entitled for additional capitalization under the 'Deferred works relating to ash pond or ash handling system' as provided in Regulation 14(3)(iv) of the 2014 Tariff Regulations; the 'Special Allowance' is provided only for Coal based /Lignite fired thermal generating stations on completion of their 'Useful Life' of 25 years as they undergo Renovation & Modernization (R&M) under Regulation 15 of the 2014 Tariff Regulations, in accordance with the procedure prescribed therein; all capital expenses are taken care in R&M for the purpose of extension of life beyond the originally recognized useful life for the purpose of tariff; the generating company is also allowed option either to avail R&M or opt for 'Special Allowance' as compensation for meeting the requirement of expenses, including R&M beyond the useful life of the generating station; a generating company, on exercising the option to avail 'Special Allowance', is not entitled for any further claim for expenses including R&M; their contention that they can avail 'Special

Allowance' and additional capitalization under Regulation 14(3)(iv) of the 2014 Tariff Regulations, 2014 is a claim for double benefit; the provision for 'Special Allowance' was introduced, for the first time, in Regulation 10 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2009 (hereinafter referred to as the '2009 Regulations') for the tariff period 2009-14; this provision was further carried over to the tariff period 2014-19 under Regulation 16 of the 2014 Tariff Regulations; during the tariff period 2009-14, the appellant had contended, before this Tribunal, that they are entitled for additional capitalization under 'Deferred works relating to ash pond or ash handling system' as provided in Regulation 9(2)(iii) of the 2009 Tariff Regulations, and for 'Special Allowance' under Regulation 10 of the 2009 Tariff Regulations, as the Singrauli STPS was also completing 25 years of useful life during the tariff period; and this Tribunal examined the issue, interpreted the relevant regulations, and dismissed the contention by its judgment in Appeal Nos. 129 of 2012 and batch. According to the Respondents, as the issue raised in the present Appeal is covered by the afore-said judgment, the Appellant's contention is liable to be rejected.

It is submitted, on behalf of the Respondent, that the Appellant had projected Additional Capital expenditure, amounting to Rs.5840 lakhs during 2015-16 and Rs.5840 lakhs during 2016-17, towards modification of ESP of stage-I under 'Change in Law or compliance of any existing law', as provided in Regulation 14(3)(ii) of the 2014 Tariff Regulations; Additional Capitalization was claimed after expiry of the useful life of 25 years of the generating station; on completion of the useful life of 25 years, the Appellant's generating plant is only entitled for Renovation & Modernization (R&M) under Regulation 16 of the 2014 Tariff Regulations; the Appellant has not sought capitalization under R&M works as per Regulation 15 of the 2014 Tariff Regulations, but had opted for 'Special

Allowance' in respect of Rihand STPS, Stage-I; in a similar manner during the tariff period 2009-14, the Appellant had, in Appeal No. 232 of 2012 in respect of Singrauli STPS, sought Renovation and Retrofitting of ESP amounting Rs. 10,000 lakhs under 'Change in Law' as provided in Regulation 9(2)(ii) of the 2009 Tariff Regulations; the CERC had rejected this claim, as they had claimed 'Special Allowance' under Regulation 10 of the 2009 Tariff Regulations, as Singrauli STPS of the Appellant had completed 25 years of useful life during the tariff period; and this Tribunal examined the issue, interpreted the relevant regulations and rejected the contention by its judgment in Appeal Nos. 129 of 2012 and batch dated 12th May, 2015. According to the Respondent, the issue raised in the present Appeal is covered by the above judgment; and the contention of the Appellant on the issue is therefore liable to be rejected.

It is submitted, on behalf of the Respondent, that the Appellant had projected Additional Capital expenditure of Rs.400 lakhs during 2015-16 towards augmentation of Fire Fighting System under 'Change in Law or compliance of any existing law' under Regulation 14(3)(ii) & 14(3)(iii) of the 2014 Tariff Regulations; projecting the said expense, under two clauses of the 2014 Tariff Regulations, would show that the Appellant is, itself, not certain under which clause the projected expenses can be claimed; augmentation of Fire Fighting System is proposed and projected as Additional Capitalization, under higher security and safety of the plant on the advice/directions of appropriate Government Agencies or statutory authorities responsible for national security/internal security as provided in Regulation 14(3)(iii) of the 2014 Tariff Regulations; the projected additional expenditure is not permissible as the Appellant is already claiming 'Special allowance' on completion of its useful life of 25 years; this issue is also covered by the above referred judgment of this Tribunal; and the Appellant's claim is liable to be rejected.

It is submitted, on behalf of the Respondents, that the contention of the Appellant that Regulation 14(3)(ii) does not restrict application of 'Change in Law' only up to the useful life, is misconceived; it is clear from Regulation 16 of the 2014 Tariff Regulations that 'Special Allowance' is a compensation for meeting the requirement of expenses including R&M; no further expenses are permissible under Regulation 14(3) to thermal power stations; this issue has also been considered by this Tribunal in its judgment in Appeal Nos. 129 of 2012 and batch dated 12th May, 2015; the 2014 Tariff Regulations contain provisions which are generally in pari materia with the provisions of the 2009 Tariff Regulations as regards 'Special Allowance', 'Compensatory Allowance' and Additional capitalization; and the contention of the Appellant is without basis and is liable to be rejected.

It is submitted, on behalf of the Respondents, that the Appellant has been allowed 'Special Allowance' amounting to Rs. 31,086.52 lakhs, under Regulation 16 of the 2014 Tariff Regulations, to meet expenses including R&M during the tariff period 2014-19; the 'Special Allowance' is norm based; by claiming 'Special Allowance', and also additional capitalization, the Appellant is seeking double benefit which is impermissible; the 'Special Allowance', under Regulation 16 of the 2014 Tariff Regulations, is available only in respect of coal based / Lignite fired thermal power stations, and is not extended to other type of generating stations; the 'Compensation Allowance', mentioned in Regulation 17 of the 2014 Regulations, is also available only in respect of coal based / Lignite fired thermal power stations; and the Appeal as filed is devoid of merits, and is liable to be dismissed.

C. REJOINDER:

It is submitted, on behalf of the appellant, that the expenditure on ash related work is essential to comply with the statutory requirement of

the ash dyke area not flooding, and is permissible under the 2014 Tariff Regulations; instead of creating Ash Dyke of full capacity at once, raising of Ash Dyke is a gradual development of the asset; development of the complete Ash Dyke in stages is beneficial; ash related works are required for smooth and efficient operation of the plant, even after the useful life of the station, and individually have no impact on the overall life of the station; if, as contended by the Respondent, the aim of the 2014 Regulations is to combine Additional Capital expenditure under Regulation 14 with the Special Allowance under Regulation 16, then a proviso would have been inserted either in Regulation 14(3) or Regulation 16 making them subject to each other; the Regulations themselves carve out various exceptions wherever it felt that a dispensation ought not lead to duplicity; for example – Regulation 14 (3) read with the 2nd Proviso states that all other expenditure, other than those mentioned under Regulations 14(3)(i) to (iv) in case of coal/ lignite based stations, shall be met out of compensation allowance; similarly, as mentioned in sub clause (1) of the Regulation 17, the compensation allowance, under Regulation 17 of the 2014 Regulations, is given to meet expenditure on new assets which are specifically not given under Regulation 14; the Appellant had clearly mentioned that the Additional Capitalization was over and above the Special Allowance or R&M, and hence needs to be compensated additionally; the Additional Capital Expenditure, projected to be incurred during the fag end of the Station, will not extend the life of the Station, as the life extension of the Station depends on extension of life of all plant equipment simultaneously or at least BTG works, which is not the case; the order of this Tribunal, in Appeal No.129 of 2012 dated 12.05.2015, is distinguishable on facts; three circumstances are listed where additional capitalization can be granted, out of which one is when there is deferred

work relating to ash pond or ash handling system; and deferred capitalization of ash related work is directly applicable in the present case.

On the contention of the Respondent that modification of ESP Stage-1 can be claimed as special allowance under Regulation 16, and not under Regulation 14(3)(ii), and this claim was rejected by this Tribunal in Appeal No. 232 of 2012, it is submitted, on behalf of the appellant, that the Ministry of Environment, Forest and Climate change, vide Gazette notification dated 7.12.2015, has amended various norms for Thermal Power Plant for which several works are required to be carried out with substantial expenses; while framing Tariff Regulations, the CERC has not envisaged such unforeseen expenses under Special Allowance; the claim is admissible under Regulation 14(3)(ii) of the 2014 Tariff Regulations, and cannot therefore be said to form part of the Special Allowance under Regulation 16, especially when an exception for Regulation 14(3)(ii) has been carved out in the proviso; Regulation 14(3)(ii) does not restrict application of Change in law either during the useful life of the generating stations or after Renovation and Modernization; accordingly, if anything needs to be incurred by way of capital expenditure on account of the changed directions of law at any time, the same is admissible towards additional capitalization under Regulation 14(3)(ii) which applies to the entire period after the cut-off date, including during and after Renovation and Modernization of the plant/unit as it is applicable for works undertaken and claimed due to fulfilment of statutory requirements; the projected capitalization on Electro Static Precipitators was allowed by the CERC, in its order in Petition No 261/2009 dated 7.6.2012, for the 2009-14 period; it is after the regulatory certainty, of the claim of Electro Static Precipitators having been allowed in the tariff by the CERC, that the Appellant went ahead and initiated the process of ESP modification; therefore, CERC cannot, at a later stage, reconsider issues already decided in their

previous order as it creates regulatory uncertainty; the order of this Tribunal, in Appeal No. 232 of 2012, is distinguishable on facts and law; and the additional capitalization, sought in the present proceedings, is under Regulation 14(3)(ii) of the 2014 Regulations, and is independent of the Special Allowance provided under Regulation 16 of the 2014 Regulations.

With regards the claim that fire detection and protection system in Stage I falls under Regulation 14(3)(ii) & (iii) of the 2014 Regulations, it is submitted on behalf of the appellant that the CERC erred in failing to consider the other part of the Regulation 14(3)(ii), i.e. “compliance of any existing law”, which, in the present case, was the CEA Regulations; works related to Fire Detection and Protection System was carried out in line with the mandate of Regulation 12(5) of the 2010 CEA Regulations which requires thermal generating stations to be equipped with comprehensive/automatic fire detection, alarm and fire protection system; the works carried out by them, in augmentation of firefighting system, are in line with the mandate of the CEA Regulations, and these systems were not in existence earlier as per the internal safety audit; the previous position was altered vide notification of the 2010 CEA Regulations; Regulation 12(5)(f)(iii) of the 2010 CEA Regulations mandated every thermal power plant to be equipped with comprehensive/automatic fire detection, alarm and fire protection system; the 2010 CEA Regulations are in the nature of delegated legislation, and must be compulsorily complied with; and since installation of fire detection and protection system was mandated by the 2010 CEA Regulations, with regards higher security and safety of the plant, the Appellant had claimed the expenditure under Regulation 14(3)(ii) as well as 14(3)(iii).

It is submitted, on behalf of the appellant, that, if the aim of the 2014 Regulations was to combine Additional Capital Expenditure under

Regulation 14 with the Special Allowance under Regulation 16, then a proviso would have been inserted either in Regulation 14(3) or Regulation 16 making them subject to each other; Regulation 14(3) of the 2014 Tariff Regulations operates in a field independent of Regulation 16, as long as the Appellant can demonstrate that the Capital Expenditure is being claimed not for the purpose of R&M or for increasing the life of the project; the Appellant had pointed out that the expenditure had been necessitated either out of change in law or compliance of any existing law, or for improvement of safety of plant or other capital expenditure which had been either previously allowed or such expenditure which were not related to R&M for life extension of the Plant; mindful of the difference between capitalization on account of change in law/compliance of existing law, and Special Allowance given to a Thermal Power Plant, the 2014 Tariff Regulations has considered it as two separate subject matter, and has made separate provisions for it; Regulation 14(3) provides for Additional Capitalization on account of Change in Law, compliance of existing law, expenses qua security and safety of the plant, and deferred work relating to ash pond or ash handling system incurred by the generator after the cut-off date; Regulation 16, on the other hand, provides for Special Allowance to a Thermal Power Plant for the purpose of Renovation and Modernization beyond the useful life of the plant; both these Regulations are independent of, and do not interfere, with each other; the legal maxim, generalia specialibus non derogant, is squarely applicable; each enactment must be construed in that respect according to its own subject-matter and its own terms; Regulation 14(3) does not specifically state that the capital expenditure under the said Regulation is provided only till the useful life of the plant i.e., 25 years; it merely states that the 'capital expenditure incurred by the generator, after the cut-off date, may be admitted by the commission, subject to prudence check; it is clear that

there is no restriction imposed qua applicability of Regulation 14(3) beyond the useful life of the plant; when a proviso has been consciously inserted to exclude applicability of any other provision of the Regulations, and as the expenditure is squarely covered under Regulation 14(3), it must be implied that such expenditure to be incurred by the generator, qua Additional capitalization as envisaged under Regulation 14(3)(i) to (iv), will neither fall under Special Allowance nor under Compensation Allowance; the 2nd proviso is in the nature of an express prohibition; it is well settled principle of interpretation that what is expressed makes, and what is implied is excluded '***Expressum Facit Cessare Tacitum';*** when a statute prescribes a particular way of doing something, it is implied that such is the only way that something can be done; positive words, specifying the way in which something may be done, may have the negative effect of preventing that thing being done in any other way; therefore, in such a situation when capital expenditure on account of Change in Law, compliance of existing law, security and safety of plant and deferred work relating to ash pond or ash handling system have been specifically provided under Regulation 14(3), it must be implied that neither Compensation Allowance nor Special Allowance cover such expenditure; the Appellant's power plant has already completed 25 years; it is therefore a depreciated plant reducing the cost of power supplied therefrom; the Fixed charges and Energy charges of power supplied from the Appellant's power plant is Rs. 0.84/Kwh and Rs. 1.3/Kwh respectively, which is amongst the cheapest power available in the country; such a power plant, with a very low tariff and depreciated assets, must be allowed to operate in an efficient manner to be able to continue generating power for the overall benefit of consumers; the Tariff Policy, 2016 also prescribes that the benefit of reduced tariff of power plants, whose assets have been fully depreciated, should remain available to consumers; even if the entire

Additional Capitalization is allowed, as sought by Appellant, the Capacity charge would only increase by Rs. 0.04 Per Unit which still makes the cost of power generation from the Appellant's Power Plant highly competitive vis-à-vis other plants operating and supplying to the same beneficiaries; if the change in law claims are disallowed, it would then force the Appellant's power plant to shut down; such a construction should be avoided and a purposive or harmonious interpretation of the 2014 Tariff Regulations with the provisions of the Electricity Act, 2003, should be adopted; the order of this Tribunal, in Appeal No.129 of 2012 dated 12.05.2015, are distinguishable, from the present case, on facts; and several contentions, urged in the present case, were not addressed in the aforesaid appeal.

The appellant submits that the contention of the Respondents that the special allowance of Rs.31,086 Lakhs, under Regulation 16, would take care of Additional capitalisation, and the appellant cannot be allowed double benefit in the garb of additional capitalisation under Regulation 14(3), is not tenable; the additional capital expenditure, to be incurred by the Appellant on account of Change in Law, security and safety of the plant and deferred work relating to ash pond or ash handling system, are independent of the Special Allowance given to the Appellant under Regulation 16; the 2014 Tariff Regulations provide that R&M for a station can be claimed either on actual basis as per Regulation 15 or as Special Allowance at Rs.7.50 lakh/MW/year under Regulation 16; in case, actual R&M expenditure is claimed under Regulation 15, then any change in law which is unforeseen, and occurs by virtue of any statutory notification by any Govt. Instrumentality, is separately allowable as per the Regulations, as it has to be serviced in the tariff which is also in line with the Tariff Policy; if the generator chooses to avail Special Allowance under Regulation 16, which is in lieu of Regulation 15, the same analogy is

applicable and any unforeseen expenditure, on account of change in law, has to be serviced in tariff; therefore, the Special Allowance as claimed by the appellant under Regulation 16 is just a substitute for the cost allowed under Regulation 15 with no correlation with future unforeseen expenditure; Regulation 14 is not subject to either Regulation 15 or Regulation 16, as both are independent and mutually exclusive; hence, the events under Regulation 14, like change in law, safety and security and ash related expenditure etc, are in addition to the expenditure allowed under Regulation 15 or 16 as they cannot be comprehended before hand; and similarly compensation allowance, under Regulation 17 of the 2014 Regulations, is an allowance given to meet the expenditure on new assets which are specifically not given under Regulation 14, as mentioned under sub clause (1) of Regulation 17.

While generally denying the contents of the Reply, filed by the Respondents para-wise, the appellant denies that disallowance of additional capitalization for ash slurry pump house, raising of ash dykes, modification of Electro Static Precipitator Stage-I and Fire Detection & Protection System Stage-I is justified, and contends that the CERC wrongly disallowed the said additional capitalization based on a misconceived application of the 2014 Tariff Regulations, ignoring the relevant facts placed on record by the Appellant; and these regulations show that the special allowance and compensation allowance have no bearing on additional capitalization under Regulation 14 of the 2014 Tariff Regulations.

(i). APPEAL WISE DETAILS OF CLAIMS AND THE RELEVANT REGULATIONS:

(a).CLAIMS IN APPEAL NO. 304 OF 2016:-

In Appeal No.304 of 2016, the appellant's claims are as follows: (1) Fire Detection & Protection System St-1 (CHP Area) under Regulation 14(3)(iii) towards "Any expenses to be incurred on account of need for higher security and safety of the plant as advised or directed by appropriate Government Agencies or statutory authorities responsible for national security/internal security"; (2) modification of Electrostatic Precipitator Stage -1 under Regulation 14(3)(ii) towards "Change in Law or compliance of any existing law"; (3) Work related to Ash Slurry Pump House under Regulation 14(3)(iv) towards "Deferred works relating to Ash Pond and Ash Handling System in the original scope of work"; (4) 1st Raising of Mithini Ash Dyke Lagoon –I under Regulation 14(3)(iv) towards "Deferred works relating to Ash Pond and Ash Handling System in the original scope of work"; (5) 2nd Raising of Central Ash Dyke Lagoon -1under Regulation 14(3)(iv) towards "Deferred works relating to Ash Pond and Ash Handling System in the original scope of work"; (6) 2nd Raising of Central Ash Dyke Lagoon -2 under Regulation 14(3)(iv) towards "Deferred works relating to Ash Pond and Ash Handling System in the original scope of work"; (7) 1st Raising of Mithini Ash Dyke Lagoon -2 under Regulation 14(3)(iv) towards "Deferred works relating to Ash Pond and Ash Handling System in the original scope of work"; and (8) 3rd Raising of Central Ash Dyke Lagoon -2 under Regulation 14(3)(iv) towards "Deferred works relating to Ash Pond and Ash Handling System in the original scope of work".

(b). CLAIMS IN APPEAL NO. 171 0F 2017:-

In Appeal No. 171 0F 2017, the appellant's claims are as follows: (**1)** Inert gas System for Central Control Room and Control Equipment Room under Regulation 14(3)(ii) towards "Change in Law or compliance of any existing law"; (**2)** Online Monitoring System for Co2 in Flue Gas

under Regulation 14(3)(ii) towards “Change in Law or compliance of any existing law”; (**3)** Fire Fighting System for Stacker, Reclaimer I and II in CHP and Main Plant under Regulation 14(3)(iii) towards “Any expenses to be incurred on account of need for higher security and safety of the plant as advised or directed by appropriate Government Agencies or statutory authorities responsible for national security/internal security”; and (**4)** Modification of ESPs under Regulation 14(3)(iii) towards “Any expenses to be incurred on account of need for higher security and safety of the plant as advised or directed by appropriate Government Agencies or statutory authorities responsible for national security/internal security”.

(c). CLAIMS IN APPEAL NO. 96 OF 2017:-

In Appeal No. 96 of 2017, the appellant’s claims are as follows**: (1)** Ash Dyke/ash related works (Rs 18.47 crores), N2 Dyke Strengthening Works (Rs 6.50 crores), and Earth Cover for Ash Dyke (Rs 6 Cr.) under Regulation 14 (3) (iv) towards “Deferred works relating to Ash Pond and Ash Handling System in the original scope of work”; **(2)** Dry Ash Extraction System (DAES) (Rs 17.95 Cr.) under Regulation 14(3)(ii) towards “Change in Law or compliance of any existing law”; **(3)** CO2, Sox, NOX Analyzer (Rs 1.67 crores), and Online Effluent Analyzer (Rs 0.40 Cr.), under Regulation 14(3)(ii) towards “Change in Law or compliance of any existing law”; **(4)** Halon Replacement (Rs 13.57 Cr.) under Regulation 14 (3)(ii) towards “Change in Law or compliance of any existing law”; **(5)** Mulsifier System for transformers and cable galleries (Rs 6 Cr.) under Regulation 14(3)(ii) & (iii) towards “Change in Law or compliance of any existing law” and “Any expenses to be incurred on account of need for higher security and safety of the plant as advised or directed by appropriate Government Agencies or statutory authorities responsible for national security/internal security”; **(6)** Medium Velocity Water (MVW)

spray system for various coal conveyers of the Coal Handling Plant (Rs. 6.90 Cr.) under Regulation 14(3)(ii) & (iii) towards "Change in Law or compliance of any existing law" and "Any expenses to be incurred on account of need for higher security and safety of the plant as advised or directed by appropriate Government Agencies or statutory authorities responsible for national security/internal security"; and (7) Railway Wagons (Rs. 2.25 Cr.) under Regulation 14(3)(X) towards **"**Any capital expenditure found justified after prudence check necessitated on account of modifications required or done in fuel receiving system arising due to non-materialisation of coal supply corresponding to full coal linkage in respect of thermal generating station as a result of circumstances not within the control of the generation station".

(d). CLAIMS IN APPEAL NO. 139 OF 2017:-

In Appeal No. 139 of 2017, the appellant's claims are as follows: **(1)** Near Zero Discharge of Water (Rs. 10 Cr.) towards "Change in Law or compliance of any existing law" under Regulation 14(3)(ii); **(2)** Continuous Emission Monitoring (CEMS) System (Rs. 1.10 Cr.) towards "Change in Law or compliance of any existing law" under Regulation 14(3)(ii); **(3)** Replacement of Halon system (Rs. 7 Cr.) towards "Change in Law or compliance of any existing law" under Regulation 14(3)(ii); **(4)** CCTV Surveillance (Rs. 13 Cr.) towards "Any expenses to be incurred on account of need for higher security and safety of the plant as advised or directed by appropriate Government Agencies or statutory authorities responsible for national security/internal security" under Regulation 14(3)(iii); and **(5)** Augmentation of existing fire-fighting system (Rs. 8.5 Cr.) towards "Any expenses to be incurred on account of need for higher security and safety of the plant as advised or directed by appropriate

Government Agencies or statutory authorities responsible for national security/internal security" under Regulation 14(3)(iii).

(e). CLAIMS IN APPEAL NO. 140 OF 2017:-

In Appeal No. 140 of 2017, the appellant's claims are as follows: **(1)** Modification of Electrostatic Precipitator (ESP) (Rs. 268 Cr.) towards "Change in Law or compliance of any existing law" under Regulation 14 (3)(ii); **(2)** Ash Dyke Related Works (Rs. 893.92 Crores) under Regulation 14(3)(iv) towards "Deferred works relating to Ash Pond and Ash Handling System in the original scope of work"; and **(3)** Replacement of halon system (Rs. 7.9 Cr.) under Regulation 14(3)(ii) towards "Change in Law or compliance of any existing law".

(f). CLAIMS IN APPEAL NO. 159 OF 2017:-

In Appeal No. 159 of 2017, the appellant's claims are as follows: **(1)** 4th Raising of Nishindra Ash dyke I & II (Rs. 10.58 Cr under Regulation 14 (3)(iv) towards "Deferred works relating to Ash Pond and Ash Handling System in the original scope of work"; **(2)** Starter dyke of Nishindra Lagoon – III (Rs. 44.47 Cr.) under Regulation 14(3)(iv) towards "Deferred works relating to Ash Pond and Ash Handling System in the original scope of work"; **(3)** Inert gas fire extinguishing system (Rs. 7.27 Cr.) under Regulation 14(3)(ii) towards "Change in Law or compliance of any existing law"; **(4)** Dry Ash Extraction System (Rs 97.19 Cr.) under Regulation 14 (3)(ii) towards "Change in Law or compliance of any existing law"; **(5)** Modification of Electro Static Precipitator (ESP) (Rs 97.54 Cr) under Regulation 14(3)(ii) towards "Change in Law or compliance of any existing law"; and **(6)** Replacement of wooden and cast iron sleepers of MGR (Rs 49.41 Cr.) under Regulation 14(3)(ii) & (iii) towards "Change in Law or compliance of any existing law" and "Any expenses to be incurred on

account of need for higher security and safety of the plant as advised or directed by appropriate Government Agencies or statutory authorities responsible for national security/internal security".

III. IMPUGNED ORDER: ITS CONTENTS:

Petition No. 291/GT/2014 was filed, by the appellant before the CERC, seeking approval of tariff of Rihand Super Thermal Power Station Stage-I (2x500 MW) for the period from 1.4.2014 to 31.3.2019 in accordance with the provisions of the 2014 Regulations.

In its Order dated 23.08.2016, (which is under challenge in Appeal No. 304 of 2016), the CERC observed that Clause 3 of Regulation 9 of the 2014 Tariff Regulations provides that the Capital cost of an existing project shall include the following: (a) the capital cost admitted by the Commission prior to 1.4.2014 duly trued up by excluding liability, if any, as on 1.4.2014; (b) additional capitalization and de-capitalization for the respective year of tariff as determined in accordance with Regulation 14; and (c) expenditure on account of renovation and modernisation as admitted by the Commission in accordance with Regulation 15. On the issue of Actual/ Projected Additional Capital Expenditure during 2014-19, the CERC took note of Regulation 14(3) of the 2014 Tariff Regulations, its ten clauses, and its three provisos, and then noted the break-up of the projected additional capital expenditure claimed by the appellant during 2014-19.

The CERC then proceeded to discuss the projected additional capital expenditure claimed by the appellant. With regards the projected additional capital expenditure towards installation of Ash slurry pump house, the CERC referred to Regulation 27(7) of the

2014 Regulations, and observed that the appellant had claimed projected additional capital expenditure during the fag end of the completion of useful life of 25 years, and had not provided any justification or proposal for life extension of the project; in terms of Regulation 16 of the 2014 Regulations, the appellant had the liberty to approach the Commission with a comprehensive scheme of R&M for extension of lifeof the generating station; however, the appellant had opted for “Special Allowance” from the year 2015-16 in order to meet the requirement of expenses including R&M beyond the useful life of the generating station; in this background, they were not inclined to allow the projected additional capital expenditure claimed in 2014-15; and the appellant should meet the expenses from the “Special Allowance” permitted to the generating station for 2014-2015.

With regards Ash dyke raising, the CERC observed that the appellant had claimed a projected capital expenditure of ₹980.00 lakh for 1st raising of Mathini Ash Dyke Lagoon-I and ₹560.00 lakh for 2nd raising of Central Ash Dyke Lagoon-I in 2015- 16,₹560.00 lakh for 2nd raising of Central Ash Dyke Lagoon-2 and 1000.00 lakh for 1st raising of Mathini Ash Dyke Lagoon-2 in 2017-18and ₹600.00 lakh for 3rd raising of Central Ash Dyke Lagoon-2 in 2018-19; in justification, the appellant had submitted that these works had already been approved by the Commission vide order dated 15.5.2014 in Petition No. 176/GT/2013, the work was required to be executed in order to have optimum utilization of land for land disposal, conservation of forest/cultivating land, and compliance with the directions of Statuary bodies, and, in the order dated 15.5.2014 in Petition No. 176/GT/2013, the Commission had approved the projected additional capital expenditure of ₹789.91 lakh, in 2012- 13 for 1st raising of

Mathini Ash Dyke Lagoon-I, and no additional capital expenditure was incurred/claimed by them for the same. The appellant had accordingly requested that the Commission may approve the expenditure claimed.

The CERC then opined that the generating station would be completing its useful life of 25 years during the year 2015-16; the expenditure for Ash Dyke works were for facilitating operation of the plant after the useful life of 25 years, and for the extended period of operation; the appellant was at liberty to approach the Commission with a comprehensive scheme of R&M for extension of life of the generating station; however, the appellant had opted for "Special Allowance" in order to meet the requirement of expenses including R&M beyond the useful life of the generating station; and, in this background, they were not inclined to allow the projected additional capital expenditure against the Ash Dyke work.

With regards their claim for Change in law in relation to modification of ESP of Stage-I, the CERC observed that the appellant had claimed a total projected additional capital expenditure of ₹5840.00 lakh in 2015-16, and ₹5840.00 lakh in 2016-17, towards modification of ESP of Stage-I, in order to achieve the emission level of 100 mg/Nm3, specified by the Uttar Pradesh Pollution Control Board vide letter dated 17.2.2011 under Regulation 14(3)(ii) of the 2014 Regulations; in the previous order dated 7.6.2012, in Petition No. 261/2009, the amount of ₹13000 lakhs was approved for the same; the appellant had submitted that it had not claimed any expenditure towards the ESP in Petition 176/GT/2013 and, considering the timelines in the contract and the requirement of

shutdowns, capitalization of the expenditure would stretch beyond 2013-14, and would continue till the year 2015-16.

The CERC then observed that the projected additional capital expenditure claimed for modification of ESP, after expiry of useful life of 25 years of the generating station, was in the nature of R&M; the appellant had opted for Special Allowance for meeting the requirement of expenses including R&M beyond the useful life of the generating station during the period 2014-19; since the petitioner is allowed Special Allowance in terms of Regulation 16 of the 2014 Tariff Regulations for the period 2014-19 for meeting the requirement of expenses including R&M beyond the useful life of the generating station, the projected additional capital expenditure of ₹11680.00 lakh (₹5840.00 lakh in 2015-16 and ₹5840.00 lakh in 2016-17) was disallowed; and the appellant may meet the expenses from the Special Allowance allowed to the generating station.

With respect to Fire detection & protection system in Stage- I, the CERC noted that the appellant had claimed projected additional capital expenditure of ₹400.00 lakh in 2014-15 towards modification of Fire detection & Protection system in Stage- I, under Regulation 14(3)(ii) & 14(3)(iii) of the 2014 Regulations; they had submitted that, as per the guidelines of the Central Electricity Authority (Technical Standards for construction of Electrical Plants and Electric Lines) Regulation, 2010, the major works such as (i) Installation of Medium Velocity Water Spray system for coal conveyers, crusher house, cable galleries, stacker reclaimer of CHP; (ii) Installation of analogue addressable type fire detection and alarm system; (iii) Installation of fire hydrants were identified and were essentially required to prevent fire break out; augmentation of fire protection system of Stacker

Reclaimer area and conveyers was essentially required to prevent any catastrophic damage in case fire breaks out in CHP as existence of coal in CHP area makes it vulnerable to fire hazard, and mobile fire protection equipment may not be able to control the spread of fire; and the appellant had therefore prayed that the Commission may allow the capitalisation claim on account of augmentation of Fire protection system under Regulation 14(3)(iii) of the 2014 Tariff Regulations.

The CERC then observed that the projected additional capital expenditure, claimed towards augmentation of Fire-fighting system in CHP, Cable galleries, Conveyers etc, were based on the CEA Regulations, 2010; the appellant had not established that augmentation of a fire-fighting system was due to any change in law; a proper and well equipped fire-fighting system was required in any thermal power generating station even prior to the notification of the CEA Regulation 2010, prescribing safety standards; hence, it could not be contended that the change in law was on account of the CEA Regulation 2010; even otherwise, the appellant had not indicated as to how the safety standards under CEA Regulations was covered under the provisions of change in law which prompted the expenditure under this head; the appellant had not established the existence of any change in law justifying the expenditure towards augmentation of fire-fighting system; they were not inclined to allow the projected additional capital expenditure of ₹400.00 lakh claimed under this head for 2015-16; and the expenditure under this head may be met from the Special Allowance granted to the generating station. In conclusion, the CERC held that no projected additional capital expenditure had been allowed for the period 2014-19 in respect of the claims made by the appellant.

IV. RIVAL SUBMISSIONS:

Elaborate submissions, both Oral and Written, were put forth on behalf of the Appellants and the Respondents in this batch of appeals. At our request, learned Counsel, appearing for the parties in the present batch of appeals, readily agreed to submit a common gist of written submissions, one on behalf of the Appellants, and the other on behalf of all the Respondents. It is convenient to examine the rival submissions, urged by the Learned Counsel on either side, under different heads.

V. PRINCIPLES GOVERNING TARIFF DETERMINATION:

It is contended, on behalf of the Respondents, that the tariff, for the generating stations of the Appellant, is determined on cost plus basis which means that all expenses of the Appellant should be borne by the beneficiaries; the Regulation making Power, and the Terms and Conditions for determination of Tariff, is referrable to Section 178 (1) & (2)(s) of the Electricity Act, 2003, and this power is to be exercised as per Section 61 of Electricity Act, 2003; in specifying the Terms and Conditions for determination of Tariff, the CERC shall also be guided by factors which would encourage competition, efficiency, economical use of the resources, good performance and optimum investment; Section 61(d) of the Electricity Act, 2003 requires that the tariff should be cheapest at the end of the consumer, and the generator should also get a reasonable return; Section 61 does not provide for recovery of the entire cost incurred by the Generator; it only provides for recovery of the cost of electricity in a reasonable manner; the discretion to quantify the cost to be recovered vests with the CERC; the Generator is not entitled to claim the entire cost as of right; and the Regulations should be interpreted in a harmonious manner giving effect to all the Regulations, and should not be read in isolation.

Section 61 of the Electricity Act relates to tariff regulations and, thereunder, the Appropriate Commission shall, subject to the provisions of the Electricity Act, specify the terms and conditions for the determination of tariff and, in doing so, to be guided by (a) to (i) thereunder. Clause (b) requires it to ensure that generation, transmission, distribution and supply of electricity are conducted on a commercial basis. Clause (c) requires it bear in mind factors which would encourage competition, efficiency, economical use of the resources, good performance and optimum investment, while making Regulations. Clause (d) requires it to safeguard consumers' interest and, at the same time, ensure recovery of the cost of electricity in a reasonable manner. Clause (e) requires it to bear in mind principles regarding efficiency in performance. Clause (h) relates to multi year tariff principles, and Clause (g) requires it to be guided by the requirement that the tariff progressively reflects the cost of supply of electricity, and also that cross-subsidies are reduced.

While it is true that the tariff for a generating station is determined on a cost plus basis by the CERC, the discretion, statutorily conferred on it in this regard, must be exercised by it for just and valid reasons, and in accordance with law. Regulation 61(g) requires the Regulations made by the Appropriate Commission to ensure that the tariff progressively reflects cost of supply of the electricity. Section 178 of the Electricity Act relates to the powers of the CERC to make regulations. Section 178 (1) enables the CERC, by notification, to make regulations consistent with the Electricity Act and the rules generally to carry out the provisions of the Act. While the regulations which the CERC is empowered to make under Regulation 178 (1) must be consistent with the Act and the rules made thereunder, the CERC is obligated, while making Regulations, to also be guided by the clauses (a) to (i) of Section 61.

Section 178(2)(s) of the Electricity Act enables the Regulations to provide for the terms and conditions of determination of tariff under Section 61. Both the 2009 and 2014 Tariff Regulations, made by the CERC, are referable to Section 178 (1) and Section 178(2)(s) read with Section 61 of the Electricity Act.

While it is also true that a generator cannot claim payment of the entire cost as of right, and any such expenditure is subject to prudence check, the CERC is nonetheless required to adhere to the Regulations framed by it in determining the tariff of a generating company. Since the Regulations so made are also required to be adhered to by this Tribunal, while exercising its appellate jurisdiction, the scope of enquiry in the present appellate proceedings, must necessarily be confined to the interpretation of the relevant provisions of the 2014 Regulations, for the orders passed by the CERC, in these batch of Appeals, arise thereunder.

VI.PURPOSIVE/HARMONIOUS CONSTRUCTION:

It is contended, on behalf of the Respondents, that, in these appeals, Additional Capitalization has been claimed under Regulation 14(3) of the 2014 Regulations; if special allowance is opted on a normative basis, under Regulation 16, the generating plant will not be entitled to claim additional capitalization for renovation and modernization under Regulation 15 of the 2014 Regulations; the Appellant had opted for special allowance, and thus cannot apply for Additional Capitalization under Regulation 15 for renovation and modernization; and the Appellant is also entitled for compensation allowance, under Regulation 17, after completing ten years of operation.

It is further submitted, on behalf of the respondents, that, applying the well settled principles of Purposive and Harmonious construction to the provisions of Regulation 14, 16, 17 & 27, the following position

emerges: (i) under Regulation 14(3), Capital Expenditure, in respect of existing Generating Station which has not completed its useful life under the heads enumerated thereunder, after the cut-off date, can be allowed; (ii) under Regulation 15, the Generating Company can seek approval for meeting expenditure on Renovation & Modernization (R&M) for the purpose of extension of life of the Plant beyond the originally recognized useful life for the purposes of Tariff determination of the Generating Station or Unit thereof; (iii) under Regulation 16, instead of availing Renovation & Modernization expenses for the purpose of extension of life of the plant, the generating company may opt to avail a special allowance as compensation for meeting the expenditure, including on Renovation & Modernization, beyond the useful life of the Generating Station or Unit thereof; (iv) in such an event, review of capital cost should not be allowed, and the applicable operational norms should not be relaxed, but the special allowance should be included in the Annual Fixed Cost; (v) under Regulation 17, a separate compensation allowance is admissible in case of an existing generating station to meet the expenditure on new assets of a capital nature which are not admissible under Regulation 14; in such an event also, revision of the capital cost shall not be allowed on account of compensation allowance, but compensation allowance shall be allowed to be recovered separately; (vi) under Regulation 27(7), the generating company shall submit details of the proposed capital expenditure during the fag end of the project (five years before the useful life) along with justification and proposed life extension; and (vii) based on prudence check of such submissions, the CERC approves depreciation on capital expenditure during the fag end of the project.

Learned Counsel for the Respondents would submit that Generators, which have opted for Special & Compensation Allowances in the place of O&M, R&M Expenditure of a Capital Nature, for extension of

life of Plant or beyond the Useful Life of the Plant, are not eligible to claim R&M, O&M or Additional Capital Expenditure as mentioned in Regulation 14(3); a Generator, which has availed Special Allowance for meeting expenditure of R&M beyond Useful Life or at the fag end, shall not be eligible for revision of the Capital Cost, and the applicable operational norms shall not be relaxed; however, the Special Allowance shall be included in the Annual Fixed Cost; after the Useful Life of Plant, grant of Special Allowances will be at the discretion of the CERC; if in the previous Tariff Years, the Generator has availed the Special Allowance, then, in the succeeding Tariff years, they will not have the option of choosing between Regulation 15 and Regulation 16, but they would be given Special Allowances based upon the Escalation Cost Index as mentioned in Regulation 16(2); Generators are mandated to maintain separate account for Expenditure incurred or utilized from the Special Allowance; the CERC may call for details at any time; the 2014 Regulations should be interpreted in a such a manner that effect is given to all of its provisions, and none of them are rendered redundant or otiose; and none of the Regulations should be read in isolation.

Reliance is placed, on behalf of the Respondents, on the judgment of the Supreme Court, in **Kailash Chandra & Anr. Versus Mukundi Lal & Ors. - (2002) 2 SCC 678,** to contend that all related provisions should be read together for the purposes of proper and harmonious construction; and an isolated consideration of a provision leads to the risk of some other interrelated provision becoming otiose or devoid of meaning.

In support of their submission that the 2014 CERC Tariff Regulations must be given a purposive interpretation, and on a purposive interpretation of Regulations 9(2)(f), Regulation 14(3) with exceptions, Regulation 15, Regulation 16, Regulation 17, Regulation 27(7) read with Regulation 29 of the CERC Tariff Regulations, 2014, the Appellant is not

entitled to claim Capital Expenditure under Regulation 14(3), as they have already claimed special allowance & compensation allowance in lieu thereof, reliance is placed, on behalf of the Respondents, on that part of the Judgment, in **Jaishri Laxmanrao Patil v. State of Maharashtra, (2021) 8 SCC 1**, (Order in Civil Appeal No. 3123 of 2020 dated 05.05.2021) ("**the Maratha Reservation Case**").

(i). JUDGEMENTS RELIED ON BEHALF OF THE RESPONDENTS:

In **Kailash Chandra v. Mukundi Lal, (2002) 2 SCC 678,** the Supreme Court observed that a provision in the statute should not be read in isolation, but with other related provisions in the Act itself, more particularly, when the subject-matter dealt with in different sections or parts of the same statute is the same or similar in nature; all related provisions should be read together for the purposes of proper and harmonious construction; as held in **R.S. Raghunath v. State of Karnataka [(1992) 1 SCC 335,** no part of a statute and no word of a statute can be construed in isolation; statutes should be construed so that every word has a place and everything is in its place; and, as held in **M. Pentiah v. Muddala Veeramallappa: AIR 1961 SC 1107** and **Canada Sugar Refining Co. v. R :1898 AC 735, e**very clause of a statute should be construed with reference to the context and the other clauses of the Act so as, as far as possible, to make a consistent enactment of the whole statute or series of statutes relating to the subject-matter. Reliance is placed in the said judgement on **Gammon India Ltd. v. Union of India: (1974) 1 SCC 596**; **Mysore SRTC v. Mirja Khasim Ali Beg: (1977) 2 SCC 457**; **CIT v. National Taj Traders: (1980) 1 SCC 370**; and **Sultana Begum v. Prem Chand Jain: (1997) 1 SCC 373.**

In **Jaishri Laxmanrao Patil v. State of Maharashtra, (2021) 8 SCC 1**, the Supreme Court, (in the portion of the judgement relied on behalf of

the Respondents), observed that, in the light of contemporary issues, the purposive method has gained importance over the literal approach; Constitutional Courts must not shy away from performing their foremost duty to achieve constitutional functionalism by adopting a pragmatic approach; it is the exposition of judicial sensibility, to the functionalism of the Constitution, which is called constitutional pragmatism; in **Abhiram Singh vs. C.C. Commachen (Dead) By Legal Representatives and others, (2017) 2 SCC 629,** the Supreme Court had noticed the conflict between a literal interpretation or purposive interpretation, and had held that interpretation has to consider not only the context of the law but the context in which the law is enacted; paragraph 38 of **Bennion on Statutory Interpretation** was extracted therein, which said that: “general judicial adoption of the term “purposive construction” was recent, but the concept was not new”; and, approving the purposive construction, the Supreme Court had also held that a pragmatic view was required to be taken and the law interpreted purposefully.

(ii). REGULATIONS SHOULD BE READ AS A WHOLE:

A statute or Rules or Regulations should be read as a whole and in its context. In understanding the meaning of a provision, Rule or Regulation, the Court must take into consideration not only the other provisions of the statute, Rules or Regulations, but also the existing state of the law, and the mischief which the Court can, by those and other legitimate means, discern that the statute, Rules or Regulations intended to remedy. (***Delhi Airtech Services (P) Ltd. v. State of U.P., (2011) 9 SCC 354: Attorney General* v. *HRHPrince Ernest Augustus of Hanover* [1957] 1 All ER 49**). A holistic approach is required to be made for the purpose of interpretation of the provisions of the 2014 Regulations which stipulate a detailed and comprehensive procedure for tariff determination.(***Nellur Thimma Reddy v. Special Deputy Collector,***

(Land Acquisition) Telugu Ganga Project, Nellore at Rajampet, Cuddapah District, 2002 SCC OnLine AP 1105; **D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382).**

The key to the opening of every law is the reason and spirit of the law. It is the animus imponentis, the intention of the lawmaker, expressed in the law itself, taken as a whole. To arrive at the true meaning of any particular phrase in a statute, that particular phrase is not to be viewed detached from its context. (***Delhi Airtech Services(P) Ltd**.*; *HRH Prince Ernest Augustus of Hanover****). The words in a Statute cannot be read in isolation, their colour and content are derived from their context and every word in a statute is to be examined in its context. (***Delhi Airtech Services (P) Ltd.***; ***Union of India v. Sankalchand Himatlal Sheth, (1977) 4 SCC 193;*D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382)**

An enactment must be construed as a whole, each portion throwing light if need be on the rest. The sound interpretation and meaning of the statute, on a view of the enacting clause, and the proviso, taken and construed together, should prevail. (***Tahsildar Singh*; *J.K. Industries Ltd. v. Chief Inspector of Factories and Boilers, (1996) 6 SCC 665:RamkishanshrikishanJhaver*; Maxwell's Interpretation of Statutes, 10 Edn; D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382).**

(iii). LITERAL CONSTRUCTION:

What has not been referred to by the Counsel for the Respondent, is the other part of **Jaishri Laxmanrao Patil v. State of Maharashtra, (2021) 8 SCC 1**, wherein the Supreme Court observed that, in examining provisions of the Constitution, courts should adopt the primary rule, and give effect to the plain meaning of the expressions; this rule can be departed, only when there are ambiguities; in **Kuldip Nayar v. Union of**

India [Kuldip Nayar v. Union of India, (2006) 7 SCC 1; and **G. Narayanaswami v. G. Pannerselvam, (1972) 3 SCC 717,** it was opined that the rule of "plain meaning" or "literal" interpretation, which remains "the primary rule", should be kept in mind; the rule of "literal construction" is the safe rule unless the language used is contradictory, ambiguous, or leads really to absurd results; the first and primary rule of construction is that the intention of the legislature must be found in the words used by the legislature itself (**Kanai Lal Sur v. Paramnidhi Sadhukhan, AIR 1957 SC 907 : 1958 SCR 360**); if the language or the meaning of the statute is plain, there is no need for construction as legislative intention is revealed by the apparent meaning (**Adams Express Co. v. Commonwealth of Kentucky : 238 US 190 (1915))**; legislative intent must be primarily ascertained from the language used in statute itself (**United States v. Goldenberg: 168 US 95 (1897));** if the words of a provision are capable of more than one meaning, then one can choose between these meanings, but beyond that the court must not go (**Jones v. Director of Public Prosecutions, 1962 AC 635 : (1962) 2 WLR 575 (HL));** the elementary principle of interpreting the Constitution or a statute is to look into the words used in the statute and, when the language is clear, the intention of the legislature is to be gathered from the language used; aid to interpretation is resorted to only when there is some ambiguity in words or expression used in the statute (**State (NCT of Delhi) v. Union of India, (2018) 8 SCC 501);** the plainest duty of the court is to give effect to the natural meaning of the words used in the provision, if the words of the statute are clear and unambiguous (**R.S. Nayak v. A.R. Antulay, (1984) 2 SCC 183**); the words of a statute, when there is a doubt about their meaning, are to be understood in the sense in which they best harmonise between the subject of the enactment and the object which the legislature has intended to achieve; however, the object-oriented approach cannot

be carried to the extent of doing violence to the plain language used by rewriting the section, or structure words in the place of the actual words used by the legislature (**CIT v. N.C. Budharaja & Co., 1994 Supp (1) SCC 280;** the logical corollary, that flows from the judicial pronouncements, is that the primary rule of construction is the literal construction; if there is no ambiguity in the provision, which is being construed, there is no need to look beyond; legislative intent, which is crucial for understanding the object and purpose of a provision, should be gathered from the language; and, while the purpose can be gathered from external sources, any meaning inconsistent with the explicit or implicit language cannot be given.

Where the language of an enactment is plain and clear upon its face, and is susceptible to only one meaning, then, ordinarily, that meaning should be given by the Court. In such a case the task of interpretation can hardly be said to arise. (***Union of India v. Sankalchand Himatlal Sheth, (1977) 4 SCC 193***). The duty of the Court is to give effect to the intention of the legislature, and that intention is to be gathered from the language employed having regard to the context in connection with which it is employed. (***Banarsi Debi v. ITO, (1964) 7 SCR 539; ATTORNEY-GENERAL v. CARLTON BANK., [1899] 2 Q.B. 158).*** The primary rule of construction is that the intention of the Legislation must be found in the words used by the Legislature itself. (***Unique Butyle Tube Industries Pvt. Ltd.*** **v.*Uttar Pradesh Financial Corporation******; **D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382)**

The legislature is deemed to intend and mean what it says. Statutory language must always be given presumptively the most natural and ordinary meaning which is appropriate in the circumstances, (***Chertsey Urban District Council*** **v.** ***Mixnam's Properties Ltd.*****), and must be construed according to the rules of grammar. When the language is plain

and unambiguous, and admits of only one meaning, no question of construction of a Statute arises, for the Act speaks for itself. The meaning must be collected from the expressed intention of the legislature. (***State of U.P. v. Dr. Vijay Anand Maharaj, (1963) 1 SCR 1***). In construing a statutory provision, the first and foremost rule of construction is the literal construction. All that the court has to see, at the very outset, is what does that provision say. If the provision is unambiguous and if, from that provision, the legislative intent is clear, the Court need not call into aid other rules of construction of Statutes (***Raghunath Rai Bareja* v. *Punjab National Bank (2007) 2 SCC 230*; *Hiralal Ratanlal* v. *STO****). nor would it be open to the Courts to adopt any other hypothetical construction on the ground that such hypothetical construction is more consistent with the alleged object and policy of the Act. (***Kanai Lal Sur v. Paramnidhi Sadhukhan, 1958 SCR 360***), as it is well recognised that the language used speaks the mind and reveals the intention of the framers. (***C.I.T.* v. *T.V. Sundaram Iyengar (P) Ltd.*****; **D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382)**

The language employed in a Statute is the determinative factor of the legislative intent. The legislature is presumed to have made no mistake and to have intended to say what it has said. Assuming there is a defect in the words used by the legislature, the Court cannot correct or make up the deficiency, especially when a literal reading thereof produces an intelligible result. (***Raghunath Rai Bareja v. Punjab National Bank (2007) 2 SCC 230*; *Ombalika Das v. Hulisa Shaw, (2002) 4 SCC 539*; *CIT* v. *Sodra Devi****; *Prakash Nath Khanna v. CIT, (2004) 9 SCC 686*; *Delhi Financial Corpn. v. Rajiv Anand, (2004) 11 SCC 625***). It would be impermissible to call in aid any external aid of construction to find out the hidden meaning. (***D.D. Joshi v. Union of India, (1983) 2 SCC 235***; **D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382)**

It is no doubt true that a fortress out not to be made of the dictionary as a Statute always has some purpose or object to accomplish, whose discovery is the surest guide to its meaning. (***Union of India v. Sankalchand Himatlal Sheth, (1977) 4 SCC 193***). While it is permissible to look into the object of the Legislation (***Inder Sain v. State of Punjab, (1973) 2 SCC 372***), if the provision is unambiguous and if, from that provision, the legislative intent is clear, we need not call into aid the other rules of construction of statutes. (***Hiralal Rattanlal*****; **D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382).**

A provision is not ambiguous merely because it contains a word which, in different contexts, is capable of different meanings. It would be hard to find anywhere a sentence of any length which does not contain such a word. A provision is ambiguous only if it contains a word or phrase which, in that particular context, is capable of having more than one meaning. (***kirkness (inspector of taxes) appellant; and john hudson & co. Ld. Respondent., [1955] 2 WLR 1135).*** It is only when the material words are capable of two constructions, one of which is likely to defeat or impair the policy of the Act whilst the other construction is likely to assist the achievement of the said policy, would Courts prefer to adopt the latter construction.(**D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382).**

‘ The golden rule’ of construction is to read the statutory language, grammatically and terminologically, in the ordinary and primary sense which it bears in its context, without omission or addition. (***Suthendran*v SUTHENDRAN APPELLANT AND IMMIGRATION APPEAL TRIBUNAL RESPONDENTS, [1976] 3 WLR 725; *Farrell*; *R.*v. *Inhabitants of Banbury*****). It is only when such an approach produces injustice, absurdity, contradiction or stultification of statutory objective, the language may be modified sufficiently to avoid such disadvantage, though no

further. (**SUTHENDRAN APPELLANT AND IMMIGRATION APPEAL TRIBUNAL RESPONDENTS, [1976] 3 WLR 725; *Becke* v. *Smith***; *R.* v. *Inhabitants of Banbury***; *Tzu-Tsai Cheng* v. *Governor of Pentonville Prison***; *Applin* v. *Race Relations Board*; *Harbhajan Singh v. Press Council of India, (2002) 3 SCC 722*; Justice G.P. Singh Principles of Statutory Interpretation (8 Edn., 2001**; **D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382).**

An ordinary meaning, or a grammatical meaning, does not imply that the Judge attributes the meaning to the words of a statute independent of their context or of the purpose of the statute, but rather that he adopts a meaning which is appropriate in relation to the immediately obvious and unresearched context and purpose in and for which they are used. By enabling citizens to rely on ordinary meanings, unless notice is given to the contrary, the legislature (or Rule or Regulation making authority) contributes to legal certainty and predictability for citizens, and to greater transparency in its own decisions. (**Cross in Statutory Interpretation (3 Edn., 1995); *Harbhajan Singh***; **D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382).**

(iv). WHEN CAN THE RULE OF LITERAL CONSTRUCTION BE DEPARTED FROM:

A departure from the golden rule is permissible if it can be shown that the legal context in which the words are used, or the object of the statute in which they occur, require a different meaning. (**Justice G.P. Singh Principles of Statutory Interpretation(8thEdn., 2001); *Harbhajan Singh v. Press Council of India, (2002) 3 SCC 722***). If reading statutory words in its primary and natural sense, would lead to some repugnance or inconsistency with the rest of the instrument, the grammatical and ordinary sense of the words may be modified, so as to avoid that absurdity and inconsistency. (***Grey* v. *Pearson***; *Kehar Singh***

***v. State (Delhi Admn.), (1988) 3 SCC 609)*; *Maulavi Hussein Haji Abraham Umarji v. State of Gujarat, (2004) 6 SCC 672*)**.

The need for interpretation arises only when the words used in the statute are, on their own terms, ambivalent and do not manifest the intention of the legislature. (***ITC Ltd. v. CCE, (2004) 7 SCC 591.*** As the statute is an edict of the legislature, the language employed therein is the determinative factor of legislative intent. (***Raghunath Rai Bareja v. Punjab National Bank, (2007) 2 SCC 230*; *Shiv Shakti Coop. Housing Society v. Swaraj Developers, (2003) 6 SCC 659***; **D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382)**

It is only where the words, according to their literal meaning, produce an inconsistency, or an absurdity or inconvenience so great as to convince the Court that the intention could not have been to use them in their ordinary signification, the Court would be justified in putting on them some other signification, which, though less proper, is one which the Court thinks the words will bear. (***Union of India v. Sankalchand Himatlal Sheth, (1977) 4 SCC 193*; D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382).**

We are in complete agreement with the submission, urged by the Learned Counsel for the Respondents, that the 2014 Regulations should be interpreted in a such a manner that effect is given to all of them, none of the Regulations should be read in isolation, and none of them are rendered redundant or otiose. Consequently, not only should Regulation 14(3) be read along with Regulation 15(1), 16(1),17 and 27(7), these provisions must, in turn, also be read with the other provisions of the 2014 Regulations. As shall be detailed later in this Order, when so read, it would become clear that the 2014 Regulations do not bar additional capital expenditure, under Clauses (ii), (iii) and (iv) of Regulation 14(3), being

incurred even beyond the useful life of the generating plant, and during its extended life.

We must however, at this stage itself, express our reservation regarding the submission, urged on behalf of the Respondents, that the 2014 Tariff Regulations must be given a purposive interpretation to hold that the Appellant would not be entitled to claim Capital Expenditure under Regulation 14(3), as they have already claimed special allowance under Regulation 16(1), and compensation allowance under Regulation 17, in lieu thereof. As detailed hereinabove, where the language of a Regulation is plain and clear upon its face, and is susceptible to only one meaning, then that meaning alone should be given by the Court; it is only when the material words are capable of two constructions, one of which is likely to defeat or impair the policy of the Regulations whilst the other construction is likely to assist achievement of the said policy, would Courts prefer to adopt the latter construction; and it is only if reading the words in its literal sense, would lead to some repugnance or inconsistency with the rest of the Regulations, can the literal interpretation test yield to other canons though less proper, including purposive construction, that too only to the limited extent of avoiding that absurdity and inconsistency. As no such need arises in construing the relevant provisions of the 2014 Regulations, application of the literal interpretation rule would suffice, and resort to a purposive construction is wholly unnecessary.

VII. INTER-PLAY BETWEEN REGULATIONS 14 TO 17 OF THE 2014 TARIFF REGULATIONS:

(a). RIVAL SUBMISSIONS UNDER THIS HEAD:

It is contended, on behalf of the appellant, that the CERC disallowed the expenditure, proposed to be incurred by the Appellant, holding that it was availing Special Allowance, without even considered whether grant

of Special Allowance disentitled the appellant from claiming Additional Capital Expenditure under Regulation 14(3); by its very definition under Regulation 3(2), Additional Capitalisation is relatable only to Regulation 14; Regulation 3(9) defines Change in Law, a restitutionary concept which through five different scenarios (*a to e*) provides for relief to an affected party; the expansive definition of Change in law assumes significance in the cost plus regime, as the Generating Company/Transmission Licensee, if it is adversely affected by even a change in interpretation (*by an Indian Government Instrumentality*), would be entitled for relief under change in law; Regulation 7(3) is a clear indicator that any existing Generating Station can seek determination of Tariff including Additional Capitalisation irrespective of whether such Generating Station has completed its useful life or not; Regulation 9 (3), which relates to Capital Cost of existing projects, is also not linked with the useful life of the project; and clause (b) thereof empowers the existing generating station to seek inclusion of Additional Capitalisation in terms of Regulation 14.

It is further contended, on behalf of the appellant, that Regulation 14(3), which applies to an Existing Generating Station, is not linked to its useful life; considering the long life of a Thermal Power Plant, it envisages 10 scenarios where Additional Capitalisation can be permitted; critically, events such as '*Liability to meet an Arbitration Award, Change in Law and/or Compliance of law, Expense necessitated out of higher security and safety, Ash Dyke works'* are all expenditure beyond the control of the Generating Company and are, therefore, permitted to be recovered as Additional Capital Expenditure; these categories of expenses are recoverable at all points in time by a generating Company, as these expenditure are necessitated for reasons beyond its control, and must be allowed separately; the requirement of the 3rd proviso to Regulation 14(3) is satisfied in the present case as the appellant has, admittedly, not

claimed Additional Capital expenditure under R&M; Regulation 14(3) does not bar a claim for additional capital expenditure by a Generating Company claiming Special Allowance under Regulation16; if the intention of the 2014 Regulations was to exclude plants, availing Special Allowance under Regulation 16, from availing additional capital expenditure under Regulation 14(3), it would have either provided that Regulation 14 (3) would apply only to Existing Generating Station operating within its useful life or inserted words into the 3rd Proviso to Regulation 14(3) to include 'generating companies availing Special Allowance'; and Regulation 14 (3) extends to all ‘Existing Generating Stations’ which, by its very definition, includes all generating stations irrespective of their useful life.

It is also contended, on behalf of the appellant, that, as per Regulation 15(4), once the R&M package is approved, it shall then form part of determination of Tariff under Regulation 7; the 3rd Proviso to Regulation 14(3) should be harmoniously read with Regulation 15; it is only when a generating Station, while carrying out R&M works, claims a particular expense should it be considered as part of the overall package; it is only then should it be precluded from claiming the said expense as additional capital expenditure in view of the 3rd Proviso to Regulation 14 (3); as Special Allowance is an alternative to Regulation 15, the intent of Regulation 16 is only to ensure extension of useful life; it is the specific case of the appellant that the Special Allowance granted to them is limited to the works related to R&M after useful life i.e. 25 years; the expenditure, in question, is in relation to Change in Law *[Regulation 14 (3) (ii)],* Compliance of law *[Regulation 14 (3) (ii)]*, Higher safety and security *[Regulation 14 (3) (iii)]* or deferred works related to ash handling system in the original scope of work [*Regulation 14 (3) (iv)];* the said expenditure has nothing to do with extension of ‘Useful Life’, and is required to be incurred by the appellant to continue generation of power; the said

expenditure cannot be equated with Special Allowance; the claimed expenditure must be allowed separately to the appellant, as additional capitalization, under Regulation 14(3); it is clear that (a) Regulation 14 (3) nowhere prescribes that it shall not be applicable to a Generating Company claiming Special Allowance under Regulation 16; (b) in the impugned Orders, the CERC has not held that, once Special Allowance is claimed, the Generating Company is barred from claiming the expenditure incurred under Regulation 14(3); (c) CERC has itself held that, in cases where Special Allowance is availed by the appellant, Additional Capital Expenditure, proposed to be incurred under Regulation 14(3), would be permissible; (d) both Regulations 15 and 16 are applicable for extension of useful life of the Project, and are distinct from Regulation 14(3) of the 2014 Tariff Regulations which permits Additional Capital Expenditure in certain limited scenarios; (e) Regulation 14 (3) applies to all Existing Projects (as defined under Regulation 3(22) of the 2014 Tariff Regulations); the definition of Existing Project is also not restricted by its useful life, and only means a Project which has been declared under commercial operation on a date prior to 01.04.2014; (f) the only exception to Regulation 14(3) is prescribed in the 3rd Proviso of the said Regulation i.e., expenditure which are already claimed by the Generating Company as R&M under Regulation 15; (g) it is not in dispute that the appellant has not availed Regulation 15 (R&M Package), and the expenditure in question does not also form part of extension of useful life; hence, the Proviso to Regulation 14(3) is not applicable in the present case; and in the Impugned Orders, the CERC has not held that, in view of Regulation 16 (*Special Allowance* being granted to them), the appellant cannot claim the expenditure incurred under Regulation 14 (3).

According to the appellant, the contention of the Respondents, with respect to the Ad-Cap incurred after completion of the useful life of the

TPP, is self-defeating; the appellant will only get the benefit of higher capital cost as and when Ad-Cap of the Asset as claimed is approved by the CERC, and the same is capitalised after being put to use; hence if the appellant, instead of the 23rd year of operation, incurs Ad-Cap in the 26th year, the beneficiaries are only liable to pay the higher cost from the 26th year i.e., when the asset is capitalised; the beneficiaries will stand to gain if the expenditure is deferred by the appellant; the Add-Cap proposed by the Generating Company is not operationalised within the planned control period due to the time required, from concept to commissioning, once the Add Cap is envisaged, such as tendering and award of work on competitive basis, engineering and execution challenges in an operating power plant; while carrying out massive Add Caps, the appellant has to continue its operations and meet various annual targets including station availability set by the CERC to recover its Fixed Cost; hence, physical augmentation of the Thermal Power Plant is meticulously planned and carried out by the appellant; it is for this reason that Ad-Cap may spill over to the next control period; and the beneficiaries are liable to pay for higher capital cost only when the Asset is created and operationalised.

On the other hand, Learned Counsel for the Respondents submit that the following principles must be kept in mind while interpretating Regulations 14 to 17 and 27 of the 2014 Regulations: (i) Regulation 14 to 17 and 27 form an Integrated scheme; (ii) though there is some overlapping, the underlying object of the Scheme, as contained in the Regulations, is that, after the useful life of the Generating Station has come to an end or the Generating Station is at the fag end of its useful life (5 years before the end of useful life), no Additional Capitalization should be allowed without a proposal with justification for life extension of the plant; (iii) these Regulations must be interpreted in such a manner that effect is given to all the Regulations, and none of the Regulations become

redundant or otiose; (iv) none of the Regulations should be read in isolation; (v) there cannot be any justification for extensive Additional Capitalization after the useful life or at the fag of the life of the plant, which would result in revision of the Fixed Cost; (vi) the term “existing Generating Station” in Regulation 14 (3), as against “new or existing Generating Station” in Regulation 14 (1), gives an indication of the object of Regulation 14 (3) namely that it applies during the useful life of the plant; (vii) the expression “existing Generating Station” in Regulation 14, has been used in contrast to the words “beyond the useful life of the Generating Station” in Regulation 16; (viii) the difference in the language of Regulation 14 and 16 shows the intention behind the two Regulations, namely that the two Regulations operate in different situations; and (ix) in view of the nature of Regulatory jurisdiction, some flexibility must be read into the Regulations to enable the CERC to deal with different situations, since Regulations cannot anticipate or provide for all situations.

It is submitted, on behalf of the Respondents, that the Scheme, contained in the 2014 Regulations, is that, once the useful life of the plant has come to an end or if the plant is at the verge of completion of its useful life (5 years before the end of useful life), no Additional Capitalization should be allowed without proper justification as to why such capitalization is actually required; no justification exists for extensive Additional Capitalization after the useful life, or towards the fag of the life of the plant, which would result in revision of the Fixed Cost; all Expenses, that a Generator incurs beyond the Useful Life, are to be met with either the Special Allowance provided under Regulation 16 or for Renovation and Modernisation under Regulation 15 which provides for: (i) Extension of life beyond the Useful Life of a Generating Station; (ii) Revision of Tariff for the extended life, duly specified in years by the Regulatory CERC for the Generations Station; this Regulation

provides for Revision of Tariff only for the period of extended life, and not till the Generating Station is in existence; Regulation 16 of Tariff Regulation 2014-2019 does not provide for (i) Extension of life of the Generating Station, (ii) Revision of Capital Cost (iii) Relaxation of operating norms; in the instant case, the Generator opted for Special Allowance to meet its expenses after the Useful Life of its Generation Station; the Tariff continues to be the same as revised in the last five years of the 25 years' Useful Life; in addition, the Generating Station gets the Special Allowance to meet its other requirements; and the Appellant is not entitled to claim Revision of Tariff, under Additional Capitalisation, without extension of useful life of the Plant.

(b). ANALYSIS AND CONCLUSION:

The dispute, in these appeals, relate mainly to whether or not the Appellant is entitled to claim additional capitalization under Regulation 14(3) of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff), Regulations 2014 ("the 2014 Regulations" for short) which were in force for a period of five years from 01.04.2014 to 31.03.2019, since they had claimed Special allowance under Regulation 16 of the 2014 Regulations.

It is useful to note, at the very outset, the relevant provisions of the 2014 Tariff Regulations. Regulation 2 thereof relates to the scope and extent of application of the 2014 Regulations, and Regulation 2(1) stipulates that these Regulations shall apply in all cases where the tariff for a generating station is required to be determined by the CERC under Section 62 read with Section 79 of the Electricity Act.

Regulation 14 relates to additional capitalization and de-capitalization, and contains four sub-sections. While the first three sub-sections relate to capital expenditure, sub-section (4) of Regulation 14 relates to de-capitalization of all generating companies with which we are

not concerned in the present batch of appeals. Regulation 3(2) defines Additional Capitalisation to mean the capital expenditure incurred, after the date of commercial operation of the project, and admitted by the Commission after prudence check, in accordance with the provisions of Regulation 14 of the 2014 Regulations. For capital expenditure to qualify for Additional Capitalisation, it must (i) be a capital expenditure, (ii) have been incurred after the commercial operation date, and (iii) it must fall within the scope of Regulation 14. As all the claims of the appellant, in this batch of appeals, relate to the additional capital expenditure to be incurred, or proposed to be incurred, during the period after the commercial operation date, the CERC was required to exercise its discretion, to admit this capital expenditure, after prudence check, in accordance with the provisions of Regulation 14.

Regulation 14(1) relates to capital expenditure, in respect of new projects or an existing project, incurred or projected to be incurred within the original scope of the work, after the date of commercial operation and up to the cut-off date. The words 'existing project', 'new project', 'date of commercial operation', and 'cut-off date' are all defined expressions under the 2014 Regulations. Regulation 3(22) defines 'existing project' to mean a project which has been declared under commercial operation on a date prior to 01.04.2014. Regulation 3(40) defines 'new project' to mean a project which has achieved COD or is anticipated to be achieving COD on or after 01.04.2014. Regulation 3(14) defines 'date of commercial operation' (COD) to have the same meaning as in Regulation 4 of the 2014 Regulations. Regulation 3 (13) defines 'cut-off date' to mean the 31st March of the year closing after two years of the year of commercial operation of the whole or part of the project, and in case the whole or part of the project is declared under commercial operation in the last quarter

of a year, the cut-off date shall be the 31st March of the year closing after three years of the year of commercial operation.

It is not in dispute that most of the generating stations of the Appellant, with which we are concerned in the present batch of appeals, have completed 25 years of its useful life and, since all of them must have declared commercial operation long prior to 01.04.2014, they are all 'existing projects', and none of them are new projects which achieved COD after 01.04.2014. The fact, however, remains that it is only the capital expenditure incurred or proposed to be incurred even by existing projects up to the cut-off date, ie within two/three years after the date of commercial operations, to which alone Regulation 14(1) applies. In the present case, the additional capital expenditure of the subject generating plants relate to a period long after the 'cut off date', and Regulation 14(1) has therefore no application.

Regulation 14(2) applies to capital expenditure incurred or projected to be incurred in respect of new projects within the original scope of work after the cut-off date. Regulation 3(43) defines "original project cost" to mean the capital expenditure incurred by the generating company within the original scope of the project upto the cut-off date. As none of the subject generating stations are "new projects", (ie projects which achieved COD or were anticipated to achieve COD on or after 01.04.2014), Regulation 14(2) also has no application in the present batch of appeals.

The claims of the Appellant in this batch of six appeals, as can be seen from the table below, are confined to clauses (ii), (iii), (iv) and (x) of Regulation 14(3) of the 2014 Regulations.

Table of claims and the relevant Regulations

S. No.	**R. 14(3)(ii)**	**R. 14(3)(iii)**	**R. 14(3)(iv)**	**R. 14(3)(x)**

1	Modification of Electrostatic Precipitator (ESP) Stage -1	Fire Detection & Protection System St-1 (CHP Area)	Work related to Ash Slurry Pump House	Railway Wagons
2	Inert gas System for Central Control Room and Control Equipment Room.	Fire Fighting System for Stacker, Reclaimer I and II in CHP and Main Plant	1st Raising of Mithini Ash Dyke Lagoon –I	
3	Online Monitoring System for Co2 in Flue Gas.	CCTV Surveillance	1st Raising of Mithini Ash Dyke Lagoon -2	
4	Dry Ash Extraction System (DAES)	Augmentation of existing fire-fighting system	2nd Raising of Central Ash Dyke Lagoon -2	
5	Mulsifier System for transformers and cable galleries	Mulsifier System for transformers and cable galleries	2nd Raising of Central Ash Dyke Lagoon -1	
6	Installation of Medium Velocity Water (MVW) spray system for various coal conveyers of the Coal Handling Plant	Installation of Medium Velocity Water (MVW) spray system for various coal conveyers of the Coal Handling Plant	3rd Raising of Central Ash Dyke Lagoon -2	
7	Replacement of wooden and cast iron sleepers of MGR	Replacement of wooden and cast iron sleepers of MGR	Ash Dyke/ash related works (Rs 18.47 crores); N2 Dyke Strengthening Works (Rs 6.50 crores); and	
8	Online CO2, Sox, NOX Analyzer;			

	and Online Effluent Analyzer		Earth Cover for Ash Dyke	
9	Replacement of Halon System		4th Raising of Nishindra Ash dyke I & II	
10	Near Zero Discharge of Water		Starter dyke of Nishindra Lagoon – III	
11	Ash Dyke Related Works		Ash Dyke Related Works	
12	Continuous Emission Monitoring (CEMS) System			
13	Inert gas fire extinguishing system			

Regulation 14(3) of the 2014 Regulations, which also has three provisos, applies to existing generating stations which, as noted hereinabove, means projects which have been declared to be under commercial operation on a date prior to 1.4.2014. All the generating units of the Appellant, which are the subject matter of these appeals, were declared to have been under commercial operation long prior to 01.04.2014. Since most of these generating plants are more than 25 years old, and the additional capital expenditure, which the Appellant claims they are entitled to incur under this head, is also after the cut-off date, these claims would, consequently, fall within the scope and ambit of Regulation 14(3).

As the claims of the Appellant, in this batch of Appeals, fall under clauses (ii), (iii), (iv) and (x) of Regulation 14(3), it is unnecessary to refer to any of the other clauses thereof. Clause (ii) of Regulation 14(3) relates to “change in law or compliance of any existing law”, Clause (iii) of Regulation 14(3) relates to “any expenses to be incurred on account of

need for higher security and safety of the plant as advised or directed by appropriate Government agencies of statutory authorities responsible for national security/internal security. Clause (iv) relates to “deferred works relating to ash pond or ash handling system in the original scope of work”, and Clause (x) relates to “any capital expenditure found justified after prudence check necessitated on account of modifications required or done in fuel receiving system arising due to non-materialization of coal supply corresponding to full coal linkage in respect of thermal generating station as a result of circumstances, not within the control of the generating station.

The word ‘change in law’, used in Clause (ii) of Regulation 14(3), is again a defined expression. Regulation 3(9) defines ‘change in law’ to mean occurrence of any of the following events: (a) enactment, bring into effect or promulgation of any new Indian law; or (b) adoption, amendment, modification, repeal or re-enactment of any existing Indian law; or (c) change in interpretation or application of any Indian law by a competent court, Tribunal or Indian Governmental Instrumentality which is the final authority under law for such interpretation or application; or (d) change by any competent statutory authority in any condition or covenant of any consent or clearances or approval or license available or obtained for the project; or (e) coming into force or change in any bilateral or multilateral agreement/treaty between the Government of India and any other Sovereign Government having implication for the generating station regulated under these Regulations.

The aforesaid definition of “change in law” is extremely wide and as long as the claims, relating to capital expenditure in respect of all their generating units, fall within the ambit of a “change in law” under Regulation 3(9), the Appellant, subject to compliance with the other conditions which shall be detailed hereinafter, would be entitled to the

benefit of additional capitalisation under Regulation 14(3)(ii) of the 2014 Regulations.

Clause (ii) of Regulation 14(3) is not confined only to a “change in law”, but also brings within its ambit “compliance of any existing law” ie cases where such capital expenditure is required to be incurred, or is proposed to be incurred, to comply with any law in force on the date the claim is made. ‘Law’, in this context, would not only include plenary legislation but would also bring within its fold subordinate legislation such as rules, regulations or even orders/ notifications which have the force of law, provided, of course, that it is in order to comply with such an existing law, that the claim for incurring, or having incurred, additional capital expenditure is made.

Clause (i) to (x) of Regulation 14(3) must be read to be in the alternative, and each one of them must be understood as relating to aspects different from the others and as not to overlap, for the CERC, while making these statutory Regulations, cannot be said to have indulged in a repetitive or meaningless exercise of providing for the same aspect in more than one clause. Therefore, claims made in Clause (iii) or (iv) or (x) must relate to matters other than those which fall within the ambit of Clause (ii) of Regulation 14(3). For it to fall within Clause (iii) of Regulation 14(3), the capital expenditure should have been incurred on account of the need for higher security and safety of the plant. Such a need, for higher security and safety of the plant, must have arisen as a result of the advice or directions given by (1) the appropriate Government agencies or (2) statutory authorities, responsible for national security/ internal security. To invoke Clause (iii) of Regulation 14(3), the Appellant would be required to satisfy the CERC that such capital expenditure had been incurred, or was proposed to be incurred, to fulfil the need for higher security and safety of the plant, and that such a need had arisen as a result of the

advice rendered or the directions issued by the agencies/statutory authorities responsible for national security/ internal security. Failure to fulfil the aforesaid requirements would disentitle the Appellant from claiming additional capital expenditure under Clause (iii) of Regulation 14(3).

Clause (iv) of Regulation 14(3) is confined to ash pond or ash handling system. From a reading of Regulation 3(43), it does appear that the original scope of the project/work would be the capital expenditure envisaged to be incurred by the generating company up to the cut-off date ie from the inception upto two/three years of its commissioning. Such works, to fall within the ambit of Clause (iv), must not only fall within the scope of the work envisaged at the time the plant was established/commissioned, but must also not have been executed i.e. execution of such works, which fell within the original scope of the work, should have been deferred for its execution to a later date. In order to satisfy the requirement of Clause (iv) of Regulation 14(3), the works should (1) relate to ash pond or ash handling system, (2) fall within the original scope of the work, and (3) its execution must have been deferred to a later date, and the claimant must establish that it is intended to be executed within the control period.

(c). PROVISO: ITS EFFECT:

As noted herein above, Regulation 14(3) of the 2014 Regulations contains three provisos. It is necessary therefore to note, in brief, the purpose which a proviso serves, and the function it discharges. A proviso may serve four different purposes (1) qualifying or excepting certain provisions from the main enactment; (2) it may entirely change the very concept of the intendment of the enactment by insisting on certain mandatory conditions to be fulfilled in order to make the enactment

workable; (3) it may be so embedded in the Act itself as to become an integral part of the enactment and thus acquire the tenor and colour of the substantive enactment itself; and (4) it may be used merely to act as an optional addenda to the enactment with the sole object of explaining the real intendment of the statutory provision. (***S. Sundaram Pillai v. V.R. Pattabiraman, (1985) 1 SCC 591***).

As a proviso has several functions, the court, while interpreting a statutory provision, is required to carefully scrutinize and find out the real object of the proviso appended to that provision. A provision and the proviso thereto must be construed as a whole. (***S. Sundaram Pillai* v. *V.R. Pattabiraman; Craies: Statute Law 7th Edn.*).** A proviso must be construed harmoniously with the main enactment (***Abdul Jabar Butt v. State of J&K, (1957) SCR 51*; *CIT v. Indo-Mercantile Bank Ltd., 1959 Supp (2) SCR 256.*; *Ram Narain Sons Ltd. v. Asstt. CST, (1955) 2 SCR 483*; State of Punjab v. Kailash Nath, (1989) 1 SCC 321**), and be considered in relation to the principal matter to which it stands as a proviso. A proviso cannot be torn apart from the main Section nor can it be used to nullify or set at naught the real object of the main Section. (***S. Sundaram Pillai* v. *V.R. Pattabiraman; Craies: Statute Law 7th Edn.*).**

(d). THE MAIN PROVISION AND ITS PROVISO SHOULD BE READ HARMONIOUSLY:

A proviso must be considered in relation to the principal matter to which it stands as a proviso, and should be construed harmoniously with the main enactment. (***Abdul Jabar Butt v. State of J&K, (1957) SCR 51)***. The golden rule is to read the whole Section, inclusive of the proviso, in such a manner that they mutually throw light on each other, and result in a harmonious construction. (***Dwarka Prasad v. Dwarka Das Saraf, (1976) 1 SCC 128*; *S. Sundaram Pillai v. V.R. Pattabiraman, (1985) 1***

SCC 591; **D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382).** As a general rule, it is proper to construe the main provision and the proviso together without making either of them redundant or otiose.(***J.K. Industries Ltd.***). A sincere attempt should be made to reconcile the enacting clause and the proviso and to avoid repugnancy between the two. (***Tahsildar Singh***; ***Maxwell's Interpretation of Statutes*****, 10 Edn., at p. 162**; **D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382).**

Though there are ten clauses under Regulation 14(3) of the 2014 Regulations, the second proviso to Regulation 14(3) stipulates that any capital expenditure, other than that of the nature specified in Clause (i) to (iv), in the case of coals/lignite based stations, shall be met from out of compensation allowance. As the Appellant is a coal based station, it is not entitled to claim the capital expenditure, under Clause (x) of Regulation 14(3), as the claim under this head can only be met from out of compensation allowance, which falls within the ambit of Regulation 17 of the 2014 Regulations. As shall be detailed hereinafter, compensation allowance, under Regulation 17, is not available to a thermal generation station beyond its useful life of 25 years. Consequently such a claim can no longer be made by the appellant either under Regulation 14(3)(x) or under Regulation 17.

Regulation 14(3) stipulates that the capital expenditure, incurred or projected to be incurred by the appellant, under Clauses (ii), (iii), and (iv) thereunder, may be admitted by the CERC. Use of the word 'may' shows that the Commission has the discretion either to admit or not to admit such capital expenditure for determination of the Appellant's tariff. It goes without saying that the discretion conferred on the CERC, either to admit or refuse to admit such capital expenditure for determination of tariff, must be exercised for just and valid reasons to be recorded in the tariff order.

Regulation 14(3) also requires such capital expenditure, before it is admitted, to be subject to prudence check by the CERC. Regulation 3(48) defines "prudence check" to mean scrutiny of the reasonableness of capital expenditure incurred or proposed to be incurred, as may be considered appropriate by the Commission for determination of tariff, and while carrying out the prudence check, the Commission shall look into whether the generating company has been careful in its judgment and decision for executing the project or has been careful and vigilant in executing the project. Regulation 10 relates to prudence check of capital expenditure. Regulation 10(1) stipulates that the following principles shall be adopted for prudence check of the capital cost of existing projects which, in the case of a thermal generating station, may be carried out taking into consideration the bench mark norms specified/to be specified by the Commission from time to time.

It is only on fulfilment of the aforesaid requirements, would the appellant be entitled to have the additional capital expenditure, which it claims falls within clauses (ii), (iii) and (iv) of Regulation 14(3), admitted by the CERC. Let us now examine the effect which the first and the third provisos have on Regulation 14(3) of the 2014 Regulations.

(e). ORDINARILY A PROVISO CARVES OUT AN EXCEPTION TO THE MAIN PROVISION:

Before examining the scope and ambit of the first and the third provisos to Regulation 14(3), it is necessary to ascertain the nature of these two provisos. A proviso, to a particular provision of a statute, only embraces the field which is covered by the said provision. It carves out an exception to the provision to which it has been enacted as a proviso, and to no other. (***CIT v. Indo-Mercantile Bank Ltd., 1959 Supp (2) SCR 256***; ***A.N. Sehgal v. Raje Ram Sheoran 1992 Supp (1) SCC***

304*; *TribhovandasHaribhai Tamboli v. Gujarat Revenue Tribunal, (1991) 3 SCC 442*; *Kerala State Housing Board v. Ramapriya Hotels (P) Ltd., (1994) 5 SCC 672*; *BinaniBinani Industries Ltd. v. CCT, (2007) 15 SCC 435, Madras and Southern Mahratta Railway Co., Ltd. v. Bezwada Municipality, 1944 SCC OnLine PC 7*; *Nagar Palika Nigam v. Krishi Upaj Mandi Samiti, (2008) 12 SCC 364; Ram Narain Sons Ltd. v. Asstt. CST, (1955) 2 SCR 483).

The ordinary and proper function of a proviso, coming after a general enactment, is to limit that general enactment in certain instances. (***Jennings* v. *Kelly; Binani Industries Ltd. v. CCT, (2007) 15 SCC 435***). As a general rule, in construing an enactment containing a proviso, it is proper to construe the provisions together without making either of them redundant or otiose. (***J.K. Industries Ltd. v. Chief Inspector of Factories and Boilers, (1996) 6 SCC 665).*** It would not be a reasonable construction of any statute to say that a proviso, which in terms purports to create an exception, should be held to be otiose. (***Kaviraj Pandit Durga Dutt Sharma v. Navaratna Pharmaceuticals Laboratories, (1965) 1 SCR 737***). A sincere attempt should be made to reconcile the enacting clause and the proviso and to avoid repugnancy between the two. (***Tahsildar Singh v. State of U.P., 1959 Supp (2) SCR 875).***

A qualifying or an excepting proviso only embraces the field which is covered by the main provision. It carves out an exception to the main provision to which it has been enacted as a proviso, and to no other. (***The Commissioner of Income-tax, Mysore Travanecore-Cochin and Coorg, Bangalore* v. *The Indo Mercantile Bank Ltd.****; *Ram Narain Sons Ltd. v. Asstt. CST, (1955) 2 SCR 483).*** The effect of an excepting or qualifying proviso is to except out of the preceding portion of the enactment, or to qualify something enacted therein, which, but for the proviso, would be within it. Such a proviso cannot be construed as

enlarging the scope of an enactment when it can be fairly and properly construed without attributing to it that effect. (***Shah Bhojraj Kuverji Oil Mills and Ginning Factory v. Subbash Chandra Yograj Sinha, (1962) 2 SCR 159 : Kedarnath Jute Mfg. Co. Ltd. v. CTO, (1965) 2 SCR 626***; **Craies on Statute Law, 5 Edn., pp. 201-202**). Such a proviso is a qualification of the preceding enactment which is expressed in terms too general to be quite accurate. (***LOCAL GOVERNMENT BOARD APPELLANTS; AND SOUTH STONEHAM UNION RESPONDENTS., [1909] A.C. 57***; ***S. Sundaram Pillai v. V.R. Pattabiraman, (1985) 1 SCC 591***). The natural presumption is that, but for the proviso, the enacting part of the Section would have included the subject-matter of the proviso. (***Shah Bhojraj Kuverji Oil Mills and Ginning Factory v. Subbash Chandra Yograj Sinha, (1962) 2 SCR 159***; ***S. Sundaram Pillai v. V.R. Pattabiraman, (1985) 1 SCC 591***; ***Ishverlal Thakorelal Almaula v. Motibhai Nagjibhai, (1966) 1 SCR 367: Madras and Southern MahrataRailway Co. Ltd.*** **v.** ***Bezwada Municipality*****; ***Indo Mercantile Bank Ltd*****.**; **Craies in his book Statute Law (7 Edn.**). Such a proviso is added to a principal clause primarily with the object of taking out of the scope of that principal clause what is included in it and what the legislature desires should be excluded. (***STO, Circle-I**, Jabalpur*** **v.** ***HanumanPrasad*****; ***S. Sundaram Pillai v. V.R. Pattabiraman, (1985) 1 SCC 591***; **D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382)**

A proviso is normally used to remove special cases from the general enactment, and provide for them specially. A proviso qualifies the generality of the main enactment by providing an exception and taking out from the main provision a portion which, but for the proviso, would be a part of the main provision. (***S. Sundaram Pillai*** **v.** ***V.R. Pattabiraman; Craies: Statute Law 7th Edn.*****).** The proper function of a proviso is to

except and deal with a case which would otherwise fall within the general language of the main enactment. (***Madras and Southern Mahratta Railway Co., Ltd. v. Bezwada Municipality, 1944 SCC OnLine PC 7; Holani Auto Links (P) Ltd. v. State of M.P., (2008) 13 SCC 185; CIT v. Indo-Mercantile Bank Ltd., 1959 Supp (2) SCR 256*****; A.N. Sehgal v. Raje Ram Sheoran, 1992 Supp (1) SCC 304*****)**. A proviso is a qualification of the preceding provision, and is not to be interpreted as stating a general rule. (***Haryana State Coop. Land Development Bank Ltd. v. Banks Employees Union, (2004) 1 SCC 574*****; *Shah Bhojraj Kuverji Oil Mills and Ginning Factory v. Subbash Chandra Yograj Sinha, (1962) 2 SCR 159*****; *Calcutta Tramways Co. Ltd.* v. *Corpn. of Calcutt; A.N. Sehgal v. Raje Ram Sheoran 1992 Supp (1) SCC 304*****; *TribhovandasHaribhai Tamboli v. Gujarat Revenue Tribunal, (1991) 3 SCC 442 and Kerala State Housing Board v. Ramapriya Hotels (P) Ltd., (1994) 5 SCC 672).***

The Appellant's claim for additional capital expenditure under Regulation 14(3) (x), would, in the light of the second proviso to Regulation 14(3), be required to be claimed as compensation allowance under Regulation 17, and not under Regulation 14(3). The second proviso to Regulation 14(3), which stipulates that any capital expenditure, other than those specified in Clause (i) to (iv) shall be met from out of compensation allowance (ie under Regulation 17), is also in the nature of a qualifying proviso, the effect of which is to qualify the generality of Regulation 14(3) by providing an exception and taking out from it, clauses (v) to (x) which, but for the second proviso, would have continued to be a part of Regulation 14(3), and would have been treated as additional capital expenditure in terms of the said Regulation.

As a qualifying proviso is added to a principal clause primarily with the object of taking out of the scope of that principal clause what is included in it, and what the legislature or rule or regulation making

authority desires should be excluded, both the first and the third provisos to Regulation 14(3) also fall within this category. The first proviso to Regulation 14(3) stipulates that, any expenditure on acquiring the minor items or the assets including tools and tackles, furniture, air-conditioners, voltage stabilizers, refrigerators, coolers, computers, fans, washing machines, heat convectors, mattresses, carpets etc. brought after the cut-off date shall not be considered for additional capitalization for determination of tariff with effect from 01.04.2014. As the first proviso uses the word 'including', it is not just the items specifically referred to in the first proviso, but other minor items of a like nature which are not entitled to be considered for additional capitalization, for the purpose of determination of tariff, during the control period governed by this 2014 Regulations.

While the expenditure incurred, on acquiring minor items or assets, may have otherwise qualified for additional capital expenditure, if it fell within any one of the clauses of Regulation 14(3), the first proviso carves out an exception and excludes such items from being considered towards additional capital expenditure, under the said Regulation, on or after 01.04.2014.

In terms of the third proviso to Regulation 14(3), if any expenditure has been claimed under Renovation and Modernization (R&M), repairs and maintenance under O&M expenses, and Compensation Allowance, the same expenditure cannot be claimed under this Regulation (ie Regulation 14(3)). Renovation & Modernisation (R&M) falls under Regulation 15, Compensation Allowance falls under Regulation 17, and Operation & Maintenance expenses falls under Regulation 29. Regulation 3(42) defines "Operation & Maintenance expenses" to mean the expenditure incurred for Operation and Maintenance of the project or part thereof, and includes the expenditure on manpower, repairs,

maintenance, spares, consumables, insurance and overheads, but excludes fuel expenses and water charges.

The exception carved out by the third proviso is that, even if the capital expenditure falls within any one of the clauses of Regulation 14(3), if such capital expenditure has been claimed as expenditure under Regulations 15 or 17 or as repairs & maintenance under Regulation 29, it cannot again be claimed as additional capital expenditure under Regulation 14(3). The effect of the third proviso is that, even for items falling under any one of the clauses of Regulation 14(3), a claim with respect to such capital expenditure can be made either under Regulation 14(3) or Regulations 15, 17 or 29, but not in more than one of them.

The third proviso neither bars a claim for additional capital expenditure under Regulation 14(3), nor does it obligate a thermal generation station to take recourse only to Regulations 15, 17 and 29 and not to Regulation 14(3). All that the third proviso disables is for a claim to be made for the same capital expenditure twice. Once such capital expenditure is claimed as R & M under Regulation 15, or as compensation under Regulation 17 or as repairs & maintenance under Regulation 29, the very same capital expenditure cannot again be claimed under Regulation 14(3).

By the use of the word “claimed”, the third proviso also makes it clear that the generating company is barred from claiming additional capital expenditure under any one of the clauses of Regulation 14(3), only if it has actually claimed such capital expenditure under Regulations 15 or 17 or 29. The effect of the third proviso is that, if an item of capital expenditure falls within the ambit of both Regulation 14(3) and say Regulation 15, the generating company may opt to avail it under Regulation 14(3) instead of under Regulation 15. The underlying object of the third proviso is also to clarify that the generating company cannot

make the same claim under two different heads, and it is well settled that where the meaning of a Section, Rule or Regulation is unclear, a proviso may be used as a guide to its interpretation. (***Sarathi in Interpretation of Statutes*; *S. Sundaram Pillai v. V.R. Pattabiraman, (1985) 1 SCC 591*; D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLine Hyd 382).**

(f).PROVISIONS OF ONE REGULATION CANNOT BE USED TO DEFEAT ANOTHER:

Regulation 15(1) requires the generating station to make an application before the Commission, seeking approval to meet the expenditure on R&M, "*for the purpose of extension of life beyond the originally recognized useful life"* for the purpose of tariff of the generation station. Regulation 3(67)(a) defines 'useful life', in relation to a coal/lignite based thermal generating station unit, to mean 25 years. Consequently, the expenditure on R&M can be incurred by a generating station only for the purpose of extending its life beyond its useful life of 25 years. Use of the words "*for the purpose of extension of life beyond the originally recognized useful life",* in Regulation 15(1), makes it clear that approval to meet the expenditure on R&M can only be sought for a period beyond the useful life of the plant ie after 25 years, and it is established that such expenditure is sought to be incurred only for the purpose of extension of the life of the plant. That expenditure on R&M is available under Regulation 15(1), only after 25 years of the useful life of a plant, does not mean that additional capital expenditure, under Regulation 14(3), is unavailable after the plant has completed its useful life of 25 years, for it is well settled that the provisions of one section of a statute (Regulation 15(1) in the present case) cannot be used to defeat those of another (Regulation 14(3) in the present case), unless it is impossible to effect

reconciliation between them. (**Raj Krushna Bose v. Binod Kanungo: AIR 1954 SC 202; Sultana Begum: (1997) 1 SCC 373; Mohd. Sher Khan v. Raja Seth Swami Dayal : AIR 1922 PC 17; Kailash Chandra v. Mukundi Lal, (2002) 2 SCC 678**). We find no such impossibility.

(g). DIFFERENT WORDS USED IN TWO DIFFERENT PROVISIONS CARRY DIFFERENT MEANINGS:

When two different words (or sentences) are used in two different provisions of the same statute, one has to construe these different words as carrying different meanings. (***Kailash Nath Agarwal v. Pradeshiya Industrial & Investment Corpn. of U.P. Ltd., (2003) 4 SCC 305).*** Different use of words, in two provisions of a statute, is for a purpose. If the field of the two provisions were to be the same, the same words would have been used. (***B.R. Enterprises v. State of U.P., (1999) 9 SCC 700***. When two words of different import are used in a statute in two consecutive provisions, it would be difficult to maintain that they are used in the same sense, and the conclusion must follow that the two expressions have different connotations. (***Member, Board of Revenue v. Arthur Paul Benthall, (1955) 2 SCR 842*****)**. When the legislature has taken care of using different phrases in different sections, normally different meaning is required to be assigned to the language used by the legislature. If different words of different import are used in two different provisions of the same statute, there is a presumption that they are not used in the same sense.(***Arthur Paul Benthall (1955) 2 SCR 842*****;** ***Oriental Insurance Co. Ltd. v. Hansraj bhai V. Kodala, (2001) 5 SCC 175***). If the legislative intention was not to distinguish, there would have been no necessity of expressing the position differently. When the situation has been differently expressed, the legislature must be taken to

have intended to express a different intention. (***CIT v. East West Import and Export (P) Ltd., (1989) 1 SCC 760).***

Section 15(1) uses the words "*for the purpose of extension of life beyond the originally recognized useful life",* which are different from the words *"in respect of existing generating station incurred……after the cut off date"* used in Regulation 14(3). As two sentences of different import are used in the 2014 Regulations, in two consecutive provisions (ie Regulation 14(3) and 15(1)), it would be difficult to maintain that they are used in the same sense, and the conclusion must follow that the two expressions have different connotations. While it may not be permissible for the appellant to claim R&M under Regulation 15(1) other than for the purpose of extension of life beyond the useful life of its generating plant, that does not mean that additional capital expenditure, which is not sought as R&M solely for the purpose of life extension, cannot be claimed under Regulation 14(3) beyond the useful life of 25 years of the plant.

It is not in dispute that most of the generating stations of the appellant, which are the subject matter of these appeals, have completed their useful life of 25 years, and are eligible to meet the expenditure on R&M, for extension of its life, by making an application to the CERC under Regulation 15. It is un-necessary for us to take note of the other clauses of Regulation 15, as it is not in dispute that the Appellant has made no application before the Commission in terms of Regulation 15(1) and has, instead, claimed Special Allowance under Regulation 16.

Regulations 15 and 16 are in the alternative. Regulation 16 relates to Special Allowance for coal based/lignite fired thermal generating stations. Regulation 16(1) provides that a generation company, instead of availing R&M, may opt to avail a 'Special Allowance' in accordance with the norms specified in Regulation 16 as compensation for meeting the requirement of expenses including R&M beyond the useful life of the

generating station. The option, given to the generating company under Regulation 16(1), is to avail Special Allowance under Regulation 16, instead of making an application under Regulation 15 for incurring expenditure towards R&M. This Special Allowance, under Regulation 16(1), is the compensation for meeting the requirement of expenses, including R&M, beyond the useful life of the generating station or for a unit thereof. The word 'including', used in Regulation 16(1) indicates that the Special Allowance is made available not only to meet the R&M expenditure, but something more.

The question which necessitates examination is whether, by the use of the word 'including' in Regulation 16(1), the 2014 Regulations intended to exclude not only the claim for expenditure towards R&M, but also additional capital expenditure under Regulation 14(3). It is useful, in this context, to take note of Regulation 17 which relates to Compensation Allowance. The Compensation Allowance, under Regulation 17, can only be claimed during the useful life of the plant, and not beyond. As both R & M expenditure under Regulation 15 and Special allowance under Regulation 16 can only be claimed beyond the useful life of the plant, by which time the compensation allowance under Regulation 17 is no longer available, it does appear that Regulation 16(1), by the use of the word "including" therein, intended that the Special allowance was not only in lieu of Regulation 15 but was also intended to cover the expenditure which could hitherto be claimed under Regulation 17.

It is true that Regulation 17(1) provides that Compensation Allowance shall be admissible to meet expenses on new assets of a capital nature which are not admissible under Regulation 14 of the Regulations. All that Regulation 17 prohibits is for the capital expenditure, claimed under Regulation 14, to again be claimed under Regulation 17 and nothing more.

In our opinion, the other expenditure (ie apart from R&M) required to be met from the Special Allowance, under Regulation 16, would not include the additional capital expenditure under Regulation 14 (3). A reading of Clause (i) of Regulation 14(3) would make this amply clear. Clause (i) of Regulation 14(3) relates to liabilities to meet award of arbitration or for compliance of the order or decree of a court of law. The amount which the generating company may be required to incur, to comply with (1) an arbitration award or (2) order or decree of a competent court, would not be precisely known either before an arbitration award, or an order or decree by a competent court, is passed. It does not, therefore, stand to reason that even the expenditure which may have to be incurred under Regulation 14(3)(i) during the extended life of a generation station, the quantum of which is not even certain till an award/decree is passed, was meant to be covered by the normative sum specified as Special allowance under Regulation 16. The Special Allowance, as is evident from Regulation 16(2), is given at a normative value of Rs.7.5 lakh/MW/year for 2014-15 and thereafter escalates at Rs.6.35 each year during the tariff period 2014-19, from the Financial Year after completion of the useful life of the unit.

The option given to a generating company is to choose Special Allowance under Regulation 16, instead of availing R&M which falls within the ambit of Regulation 15. The 2014 Regulations do not stipulate that the Special allowance under Regulation 16 is an alternative to the additional capital expenditure under Regulation 14(3). Even otherwise, the third proviso excludes any expenditure already claimed under R&M from again being claimed under Regulation 14(3), and as Regulation 16 can be opted instead of Regulation 15, it can, at best, mean that the capital expenditure, incurred or to be incurred from the Special Allowance under Regulation 16, cannot again be claimed under Regulation 14(3), and nothing more.

Clause (3) of Regulation 16 requires the expenditure, incurred or utilized on the Special Allowance, to be maintained separately by the generating stations, and details of such expenditure to be made available to the CERC as and when directed to furnish details of such expenditure. Since any claim for additional capital expenditure under Regulation 14(3) is subject to prudence check, it is always open to the CERC to call for details and ascertain whether the expenditure, which the Appellant has incurred from the Special Allowance under Regulation 16, is again sought to be claimed under Regulation 14(3), and, if the same expenditure is sought to be claimed both under Regulation 14(3) and Regulation 16, to then disallow the claim for such additional capital expenditure under Regulation 14(3).

Regulation 14(3) and 15 are mutually exclusive. While the Special Allowance under Regulation 16 is an alternative to a claim for R&M expenditure under Regulation 15, it does not cover the additional capital expenditure falling within the ambit of Regulation 14, for, if it did, there would not have been any need for the 2014 Regulations to contain separate provisions for additional capital expenditure, R&M and for Special Allowance, and it would have sufficed to specify that additional capital expenditure (which is governed by Regulation 14(3)) would also be covered under Regulation 16 or to expressly stipulate that Regulation 16 is an alternative both to Regulations 14(3) and 15(1).

(h).ADDITION OF WORDS TO A STATUTORY PROVISION IS IMPERMISSIBLE:

For the submission, urged on behalf of the Respondents, to be accepted, we may have to add in Regulation 16 (1) the words "*and additional capitalization*" after the words "*instead of availing R&M*" and before the words "*may opt to avail a 'special allowance'* " so that the

relevant part of Regulation 16(1) reads " *instead of availing R&M and additional capitalization, may opt to avail a special allowance"*. Such a course is impermissible, for it is well settled that a provision must be construed according to the natural meaning of the language used; and the Court, in interpreting a Statute or a statutory Regulation, must proceed without seeking to add words which are not to be found in the Statute or the Regulation. (***Southern Petrochemical Industries Co. Ltd. v. Electricity Inspector & ETIO, (2007) 5 SCC 447; Union of India v. Mohindra Supply Co., (1962) 3 SCR 497*; *Bank of England.* v. *Vagliano Bros***; *CIT v. Anjum M.H. Ghaswala, (2002) 1 SCC 633; J. Srinivasa Rao* v. *Govt. of A.P.****; **D. Mahesh Kumar v. State of Telangana: 2016 SCC OnLineHyd 382).**

(i). WORDS IN A STATUTORY REGULATION CANNOT BE BRUSHED ASIDE AS INAPPOSITE SURPLUSSAGE:

The only other way, for the submission of the learned Counsel for the Respondent to be accepted, is to delete the word "Existing" in Regulation 14(3). This is also impermissible, since it is not a sound principle of construction to brush aside words in a statute or Regulation, as being inapposite surplusage, if they can have appropriate application in circumstances conceivably within the contemplation of the Statute. (***Aswini Kumar Ghose v. Arabinda Bose, (1952) 2 SCC 237).***

An efficient generating station may have no need to incur capital expenditure towards Renovation & Modernisation. It may therefore choose not to claim such capital expenditure under Regulation 15, and instead claim Special Allowance under Regulation 16, though the special allowance under Regulation 16 is provided at a normative figure, and the claim for R&M expenditure under Regulation 15 is based on actuals. While Regulation 15(1) is attracted only after a thermal generating station has completed its useful life of 25 years, and is seeking extension of its useful

life, Regulation 14(3) does not prescribe any such restriction, and is applicable both before the generating station has completed its useful life and even thereafter during its extended life. The very fact that Regulation 15(1) makes it clear that it is available only after the useful life of the plant and for the purpose of extension of useful life, and Regulation 14(3) does not expressly stipulate that it would not be available after the useful life of the plant of 25 years, would show that the additional capital expenditure under Regulation 14(3) can be claimed both before and after the useful life of the plant, however, "after the cut-off date" stipulated in Regulation 14(3) which is 2 or 3 years after the date of commercial operation. The very fact that the third proviso only disables expenditure claimed under R&M, repairs and maintenance under O&M expenses, and compensation allowance from again being claimed under Regulation 14(3) shows that, as long as the generating company has not claimed 'expenditure' under Regulations 15 or 17 or 29, it is entitled to claim additional capital expenditure under Regulation 14(3).

As noted hereinabove, the second proviso to Regulation 14(3) requires capital expenditure, other than those specified in clauses (i) to (iv) of Regulation 14(3), in the case of coal based generating stations, to be met out of the compensation allowance. Regulation 17(1) and (2), which relate to compensation allowance, make it clear that the said allowance is available only during the useful life of a generating station, ie for 25 years, and not thereafter during its extended life. If, as is contended on behalf of the Respondents, the additional capital expenditure, to be incurred under Regulation 14(3), was intended to be confined only till the useful life of the generation unit, Regulation 14(3) would also have restricted, as has Regulation 17, its application only to the useful life of the generation plant, and not beyond.

Likewise, if the intention of the 2014 Regulations was to confine Regulation 14(3) only to the useful life of the coal based generating station, and not to make it available during its extended life, the 3rd proviso thereunder would not have stipulated that the expenditure claimed under renovation and maintenance, cannot be claimed under Regulation 14(3). It is in recognition of the fact, that additional capital expenditure under Regulation 14(3) is available even during the extended life of a generating company, that the 3rd proviso to Regulation 14(3) bars a generating company from claiming capital expenditure both under Regulation 15(1) and under Regulation 14(3). If Regulation 14(3) was not available to a generating company during its extended life, there was no need to specifically provide that it would not be available in case R&M had been claimed, for R&M can only be claimed under Regulation 15(1) for extension of the useful life of a generating company, and not during its useful life.

While Learned Counsel for the appellant may not have been amiss in their submission that the CERC, in the impugned Orders, does not appear to have specifically held that the claim for additional capitalization under Regulation 14(3) is barred on Special Allowance being claimed under Regulation 16(1), the fact remains that the appellant was directed to meet the capital expenditure, they sought to incur under Regulation 14(3), from the Special Allowance granted to them under Regulation 16(1). The CERC has, implicitly, held that the claim for additional capital expenditure cannot be claimed, once Special Allowance under Regulation 16(1) has been opted for.

It was necessary for us, therefore, to analyse the relevant provisions of the 2014 Regulations, in examining this question. The contentions, under this head, are answered holding that, while additional capital expenditure under Regulation 14(3), (subject to fulfilment of the

other conditions stipulated therein), can be claimed even on receipt of Special Allowance under Regulation 16(1), the generating station is not entitled to claim the same capital expenditure both under Regulation 14(3) and 16(1), as that would result in the Appellant unjustly enriching itself at the cost of consumers, whose interests the CERC is obligated to protect in terms of Regulation 61(d) of the Electricity Act.

VIII. SHOULD THE GENERALIA SPECIALIBUS NON -DEROGANT TEST BE APPLIED:

It is contended, on behalf of the appellant, that, in **NTPC Ltd. vs. CERC & Ors., (Judgment in Appeal No. 125 of 2017 dated 09.05.2019)**, this Tribunal considered the inter-play between Regulation 14(3) and Regulation 17 (*Compensation Allowance*). and held that general provisions must yield to special provisions; a similar view was taken in **NTPC vs CERC & Ors. (Order in Appeal No. 93 of 2017 dated 29.01.2020);** Regulation 16 and 17, in their application, are similar in nature as they both provide for an allowance which is to be recovered separately without revision of capital cost; in the present case also, specific Additional Capital Expenditure was claimed by the appellant, which fell under the Regulation 14 (3); and in terms of the law laid down by this Tribunal, if the said specific expenditure is claimed under the Special provision [*Regulation 14 (3)*] then the general provisions such as Compensation Allowance/ Special Allowance [*Regulation 16/17*] must yield to it.

In **NTPC Limited Versus Central Electricity Regulatory Commission (Order in APPEAL NO. 125 of 2017 dated 09th May, 2019),** this Tribunal observed:-

"…….31. It is well settled if special provision is available one should not take recourse to general provision. General provisions must yield to

special provisions in such situation. Therefore, it is clear from the impugned order that the very process in assessing the claims was not properly appreciated by the Commission. If at all Commission needed some more information, they ought to have asked the Appellant for such information instead of opining that there is incomplete information. It is not in dispute in so far as other plants of the Appellant, similar claim as safety measures was allowed by the very same Central Commission. Therefore, there is no doubt that if additional capital expenditure after cut-off date is spent towards higher security and safety of the plant in terms of Regulation as recommended by appropriate Government Agency or Statutory Authority, it shall fall under Regulation 14(3)(iii). In that view of the matter, and for the reasons mentioned above, we are of the opinion that the Respondent Commission proceeded on wrong assumption and denied the claim of the Appellant under Regulation 14(3)(iii) of 2014 Regulations……..”

The maxim *generalia specialibus non derogant*, means that a general later law does not abrogate an earlier special one by mere implication. In other words, where there are general words in a later Act capable of reasonable and sensible application, without extending them to subjects specially dealt with by the earlier Legislation, it should not be held that the earlier special legislation is indirectly repealed, altered, or derogated from merely by force of such general words, without any indication of a particular intention to do so. In such cases it is presumed to have only general cases in view, and not particular cases which have been already otherwise provided for by the special Act. (***Maxwel on the Interpretation of Statutes*****, Eleventh Edition, page 168**). This principle has also been applied to resolve any conflict between general and special provisions in the same legislative instrument, and it has been held that in case of conflict, between a special provision and a general provision, the special provision prevails over the general provision, and the general provision applies to such cases which are not covered by the special provision. **(Kureti Venkateswarlu, President v. State of Andhra Pradesh, 1970 SCC OnLine AP 33).**

Having already given its attention to the particular subject and provided for it, the legislature is reasonably presumed not to intend to alter that special provision by a subsequent general enactment unless that intention be manifested in explicit language or there be something which shows that the attention of the legislature had been turned to the special Act, and that the general one was intended to embrace the special cases provided for by the previous one, or there be something in the nature of the general one making it unlikely that an exception was intended as regards the special Act. In the absence of these conditions, the general statute is read as silently excluding from its operation the cases which have been provided for by the Special one. (***Maxwel on the Interpretation of Statutes*, Eleventh Edition, page 168**).

A claim for additional capital expenditure, under Regulation 14(3), can be made by a generating company only if such a claim falls specifically within any one of Clauses (i) to (x) thereunder. Further, in view of its second proviso, such a claim should fall specifically within clauses (i) to (iv) of Regulation 14(3), as any claim under clauses (v) to (x) is required to be met from out of the compensation allowance available, under Regulation 17, during the useful life of the generating station. As compensation under Regulation 17 ceases to be available, during the extended life of the concerned Generating station, it is only with respect to claims, which specifically fall under clauses (i) to (iv) of Regulation 14(3), would the appellant, subject to prudence check etc, be entitled to incur such additional capital expenditure during its extended life.

Unlike Regulation 14(3) which is available only for specific categories, Regulation 15 can be availed for capital expenditure required for renovation and modernization of the plant for extension of its useful life, subject of course to fulfilment of the conditions stipulated therein.

While the only restriction on the nature of capital expenditure, which may be permitted to be incurred under Regulation 15, is that it should relate to renovation and modernization of the plant necessary for extension of its life, Regulation 14(3) is more specific and spells out the heads under which alone additional capital expenditure is available to be claimed. As the special allowance under Regulation 16 is in the alternative to a claim under Regulation 15, it is possible to contend that Regulation 14(3) is a special provision, while Regulation 15 and 16 are general.

It is unnecessary for us, however, to delve further into this issue, as we are satisfied that, even otherwise, additional capital expenditure under Regulation 14(3) can be claimed as the said Regulation operates in areas distinct from Regulations 15 and 16; and as long as no claim has been made under Regulation 15 towards renovation and modernization, and the same additional capital expenditure is not sought to be incurred both under Regulation 14(3) and 16(1), (which, if permitted, would result in the generating station receiving the benefit of tariff for the same expenditure twice, and thereby unjustly enriching itself), there is no bar for a generating station to claim additional capital expenditure, under Regulation 14(3), even during its extended life.

IX. ABSENCE OF PRUDENCE CHECK WHEN SPECIAL ALLOWANCE UNDER REGULATION 16(1) IS AVAILED:

It is submitted, on behalf of the respondents, that the CERC discharges a wide range of functions, including determination of Tariff for generating companies; in carrying out such determination, the CERC is required to undertake a prudence check for all expenditure claimed by the generating company; “Prudence Check” is a defined expression under the 2014 Tariff Regulations; expenditure on Capitalization is allowed by the CERC only after detailed scrutiny while exercising Tariff Prudence Check

during truing up**,** while approving Capital Cost**,** while approving Capital Expenditure, while allowing Additional Capitalization**,** and while allowing Renovation and Modernization Expenditure**;** however, no prudence check is carried out by the CERC, in the event the generating company claims Special Allowance, and the same is granted as per Regulation 16 in toto; therefore, the generating company which has, in its wisdom and on its own accord, availed of the Special Allowance and thereby avoided scrutiny of the CERC for Renovation and Modernization activities in the present case, cannot now be allowed to claim expenses under the head of Additional Capitalization under Regulation 14 (3).

Regulation 14(3) of the 2014 Regulations stipulates that the additional capital expenditure, which an existing generating station is permitted to incur, is subject to prudence check by the CERC. Likewise under Regulation 15(2), any claim for renovation and modernisation expenditure is required to be approved by the CERC only after due consideration of the reasonableness of the cost estimates etc. Even details of the capital expenditure, incurred from the Special Allowance under Regulation 16(1), is, in terms of Regulation 16(3), required to be maintained separately by the generating station, and furnished to the CERC as and when it is directed to do so. The 2014 Tariff Regulations are statutory in character, and have the force of law. The CERC is, therefore, legally obligated to carry out prudence check/verification of claims for capital expenditure/R&M expenditure/expenditure incurred from the Special Allowance. Failure, if any, by the CERC to discharge these statutory obligations, does not mean that a generating station should be denied its entitlement for additional capitalisation under Regulation 14(3) of the 2014 Tariff Regulations. Suffice it to direct that the CERC shall henceforth, regularly, verify whether the capital expenditure claimed under Regulations 14(3), 15 or 16 have, in fact, been incurred for

the purposes for which they are permitted under the 2014 Tariff Regulations.

X. IS SPECIAL ALLOWANCE UNDER REGULATION 16 IN LIEU OF COMPENSATION ALLOWANCE UNDER REGULATION 17?

It is submitted, on behalf of the Respondents, that, at the fag end of the Useful Life of the Generating Station, i.e. between 21 – 25 years, the Compensation Allowance under Regulation 17 is only Rs. 1 lakh/MW/year; however, immediately on completion of useful life, the Special Allowance under Regulation 16 suddenly balloons straight away to more than 7.5 times i.e. Rs. 7.5 lakh/MW/year for the year 2014-15, and thereafter escalates @ 6.35% every year during the Tariff Period 2014-15 to 2018-19**;** this drastic increase itself manifests the intention of the CERC, while providing for Special Allowance, that all expenses that are to be incurred by the Thermal Generator, while claiming Special Allowance, have to be accounted from the Special Allowance itself for the purpose of determination of Tariff; in addition Regulation 17, which is applicable up to the Useful Life i.e., 25 years, puts a specific restriction on Revision of Capital Cost; and this Regulation also does not provide for any Expense on New Assets, which is not admissible under Regulation 14 beyond 25 years of the life of the Generating Station.

It is contended, on behalf of the appellant, that the word “included”, used in Regulation 16, essentially means that the Generating Company is getting Special Allowance to meet the expenditure in lieu of R&M, as well as minor assets for which compensation allowance was allowed up to the useful life as per Regulation 17; however, after the useful life, such expenditures also needs to be met with the special allowance only; these minor assets are those assets which do not qualify under Regulation 14, and have no bearing on the continued efficiency of a Thermal Power

Plant, i.e. they are non-R&M type of expenditure, but at the same time are necessary for continued operations; and examples for the same are IT Equipment, stationaries, Township assets, Miscellaneous Bought Out Assets (i.e. MBOAs such as table, chair, furniture, etc.).

The compensation allowance, under Regulation 17(1), is available for a thermal generating station to meet the expenses of new assets of a capital nature which are not available under Regulation 14 of the 2014 Tariff Regulations. Besides, the compensation allowance is available only after 10 years of the useful life of the generating station, and until it completes 25 years of its useful life. Unlike Regulation 17, which is explicitly made unavailable in cases where capital expenditure is admissible under Regulation 14(3), and is also unavailable after 25 years of the useful life of a generating station, the capital expenditure incurred on renovation and modernisation under Regulation 15(1) is available to a generating company only for the purpose of extension of its life beyond the originally recognised useful life. The capital expenditure under Regulation 15(1) can only be incurred after 25 years of the useful life of a generating station, that too only for the purposes of its life extension. The special allowance under Regulation 16 can be opted by a thermal generating station instead of availing R&M under Regulation 15(1). It is clear, therefore, that the Special Allowance under Regulation 16(1) is an alternative to Regulation 15(1), which means that the Special Allowance under Regulation 16(1) can only be incurred after a thermal generating station completes its useful life of 25 years, and during its extended life.

It is true that, by the use of the words *"including renovation and modernisation beyond the useful life of the generating station"*, Regulation 16(1) contemplates not just the R&M expenditure but something more which, as noted hereinabove, is, possibly, also in lieu of Regulation 17, since compensation, in terms of Regulation 17, is not available after a

thermal generating station completes its useful life of 25 years. It does appear that the Special Allowance under Regulation 16(1) is intended to cover both renovation and modernisation expenditure under Regulation 15(1), and compensation allowance which was hitherto extended under Regulation 17(1).

Learned Counsel for the Respondents may, therefore, not be justified in their submission that there has been a tremendous hike in Regulation 16 as compared to the compensation allowable under Regulation 17. While both Regulations 16 and 17 are extended on a normative basis, the Special Allowance under Regulation 16 is, possibly, meant to cater not just to the erstwhile compensation allowance under Regulation 17(1), but also to meet the renovation and modernisation expenditure which is otherwise available under Regulation 15(1).

XI. UNJUST ENRICHMENT:

It is submitted, on behalf of the Respondents, that the CERC has allowed the appellant's claim under Regulation 16- Special Allowance, as that would save end consumers from additional burden in the form of ROE and Depreciation component; after living its useful life, a plant is entitled to recover expenses only in the form of O&M expenses & interest on working capital; any other expense can only be allowed under Special Allowance, as that would save end consumers from unnecessary burden of ROE & Depreciation; it would avoid unjust enrichment to the plants, as they are already benefiting from very high ROE granted on an investment which has already provided adequate returns during the useful life of the plant; the appellant had opted for Special Allowance & Compensation Allowance for incurring Expenditure of a capital nature; they cannot, therefore, also claim expenditure of a capital nature under Regulations 14(3) as it will amount

to unjust enrichment, and double the burden on the poor end consumers for the same kind of expenditure, once through Special & Compensation Allowance and now through Additional Captial Expenditures under Regulations 14(3).

Black's Law Dictionary, 8th Edition, defines "unjust enrichment" to mean the retention of a benefit conferred by another, without offering compensation, in circumstances where compensation is reasonably expected; a benefit obtained from another, not intended as a gift and not legally justifiable, for which the beneficiary must make restitution or recompense; area of law dealing with unjustifiable benefits of this kind. **P. Ramanatha Aiyar's, The Major Law Lexicon, 4th Edition, Volume 6,** defines "unjust enrichment" as the circumstances which give rise to the obligation of restitution, ie the receiving and retention of property, money, or benefit which, in justice and equity, belong to another. The doctrine of "unjust enrichment" is that no person can be allowed to enrich inequitably at the expense of another. A right of recovery under the doctrine of "unjust enrichment" arises where retention of a benefit is considered contrary to justice or against equity. The juristic basis of the obligation is not founded upon any contract or tort but upon a third category of law, namely, quasi-contract or the *doctrine of restitution*. **(Sahakari Khand Udyog Mandal Ltd. v. CCE & Customs, (2005) 3 SCC 738)**

Unjust enrichment has been defined as a benefit obtained from another, not intended as a gift and not legally justifiable, for which the beneficiary must make restitution or recompense. A claim for unjust enrichment arises where there has been an "unjust retention of a benefit to the loss of another, or the retention of money or property of another against the fundamental principles of justice or equity and good conscience". Unjust enrichment is "the unjust retention of a benefit to the

loss of another, or the retention of money or property of another against the fundamental principles of justice or equity and good conscience". Unjust enrichment occurs when the defendant wrongfully secures a benefit or passively receives a benefit which would be unconscionable to retain. **(Indian Council for Enviro-Legal Action v. Union of India, (2011) 8 SCC 161; Fibrosa Spolka Akcyjna v. Fairbairn Lawson Combe Barbour Ltd. [1943 AC 32 : (1942) 2 All ER 122 (HL); Nelson v. Larholt [(1948) 1 KB 339 : (1947) 2 All ER 751).**

As noted hereinabove, unjust enrichment would arise only when a person seeks to retain a benefit to which he is not entitled to, or if it is contrary to justice or against equity. It is only if either the 2014 Regulations are so interpreted as not to permit a thermal generating station from claiming additional capitalisation under Regulation 14(3), or it is established that the concerned generating station has claimed the benefit of the same capital expenditure twice under different heads, can it then be said that such a generating station has unjustly enriched itself. As noted hereinabove, the CERC is obligated to ensure that the very same capital expenditure, which the Appellant seeks to incur under Regulation 14(3), is not claimed by them under Regulation 16(1) also. While the special allowance under Regulation 16(1) is no doubt extended to a thermal generating station on a normative basis, Regulation 16(3) requires a generating station to maintain a detailed account of even such expenditure. With a view to ensure that the expenditure incurred under Regulation 16(1) is not again claimed under Regulation 14(3), the CERC should, regularly, verify details of the expenditure which a thermal generating station has incurred under Regulation 16(1) also.

XII. REGULATION 27 OF 2014 REGULATIONS:

It is contended, on behalf of the appellant, that reliance placed by the Respondents, on Regulation 27(7), to contend that old power plants, or those who have lived their useful life cannot claim Additional Capitalisation, is misplaced; Regulation 27 of the 2014 Tariff Regulations deals with Depreciation and, ex-facie, has no bearing on Ad-Cap claimed under Regulation 14; Regulation 27 (7) was introduced by the CERC in order to balance the interest of both the generating companies as well as the beneficiaries, and to avoid Tariff Shock during the fag end of the Thermal Power Plant; the CERC, *vide* its Order dated 07.06.2012 in Petition No. 261 of 2009 (*Rihand-I*) at Para 41, has allowed ESP works of Rs 130 Cr in the 23rd year, and has considered 20 years for depreciation of the same to avoid tariff shock and to balance the interest of both the appellant and the beneficiaries; Regulation 27(7) enables generating companies, when assets are created at the fag end of the useful life, to claim depreciation beyond the useful life; and Regulation 27(7) has no co-relation with the Additional capitalisation under Regulation 14.

It is submitted, on behalf of the Respondents, that the Tariff Determination Process envisages that Capital / Additional Capital incurred by a Generating Station is recovered from the date of Commercial Operation up to its 25th year, which is its Useful Life as per the Regulations; Regulation 27 specifies the period of recovery from COD to Useful Life; Regulation 27 specifically provides for the spread of Depreciation to be limited within the Useful Life of 25 years; further, any Depreciation disallowed on account of lower availability of the Generating Station or Generating Unit or Transmission System, as the case may be, shall not be allowed to be recovered at a later stage during the Useful Life and the extended life; the application for incurring expenditure of a capital nature, for extension of the life of the Plant or beyond the useful life of the

Plant, must be made before 5 years of the fag end along with other details such as DPR, Cost Benefit Analysis etc; Generators will not be allowed to incur Additional Capital Expenditure at the fag end, and to incur such Additional Capital Expenditure, the Generators need to get special approval along with DPR, Cost Analysis etc; and, for incurring such heavy expenditure at the fag end, concurrence of the Beneficiaries is required as it will tantamount to extension of the useful life of the Plant.

It is further contended, on behalf of the Respondents, that Regulation 27(7) requires the generating company to submit details of the proposed capital expenditure during the fag of project (5 years before the useful life), along with justification and proposed life extension; based on prudence check of such submissions, the CERC approves depreciation on capital expenditure during the fag end of the project; and a claim for Additional Capitalization must be made five years before the end of the recognized useful life, otherwise the expenditure should be met from special allowance as well as compensation allowance.

(a). DOES REGULATION 27(7) BAR CAPITAL EXPENDITURE BEING INCURRED DURING THE EXTENDED LIFE OF A GENERATING COMPANY:

Regulation 6 relates to tariff determination and, under sub-regulation (1) thereof, the tariff, in respect of the generating station, may be determined for the whole of the generating station or a stage or a generating unit or block thereof. Regulation 6(2) provides that, for the purpose of determining tariff, the capital cost of the project may be broken into stages, blocks, units forming part of the project if required. Regulation 20 relates to the components of a tariff. Regulation 20(1) stipulates that the tariff, for the supply of electricity from a thermal generating station, shall comprise of two parts namely capacity charge (for recovery of annual

fixed costs consisting of the components as specified in Regulation 20(1) of the Regulations), and energy charge (for recovery of primary and secondary fuel cost and limestone wherever applicable). Regulation 21 relates to capacity charge. Thereunder capacity charges shall be derived on the basis of Annual Fixed Cost, and the Annual Fixed Cost of a generating station shall consist of the following: (a) Return on equity; (b) Interest on loan capital; (c) Depreciation; (d) Interest on working capital; and (e) Operation and maintenance expenses. Under the proviso thereto, if special allowance, in lieu of R&M, were opted in accordance with Regulation 16 and/or separate compensation allowance in accordance with Regulation 17, wherever applicable, shall be recovered separately and shall not be considered for computation of working capital.

The proviso to Regulation 20(1) makes it clear that where a generating company claims special allowance under Regulation 16 (which is in lieu of Regulation 15, and can therefore be claimed only during the extended life of a generating company) or Regulation 17 (compensation allowance which is available only during the useful life of the generating company), both these allowances would not be considered in the computation of tariff under Regulation 21 for the purpose of interest on working capital.

Regulation 9 relates to capital cost. Regulation 9(1) stipulates that the capital cost, as determined by the Commission after prudence check, shall form the basis of the determination of tariff for existing and new projects. Regulation 9(3) stipulates that the capital cost of an existing project shall include the following: (a) the capital cost admitted by the Commission prior to 01.04.2014 duly trued up by excluding liability, if any, as on 01.04.2014; (b) additional capitalization for the respective year of tariff as determined in accordance with Regulation 14; and (c) expenditure

on account of renovation and modernisation as admitted by the Commission in accordance with Regulation 15.

Any claim for additional capitalisation under Regulation 14(3), if admitted by the Commission after prudence check, would be included in the capital cost of the generating company in the determination of its tariff. As a consequent of its inclusion in the capital cost, such additional capitalisation is also subject to determination of capacity charges under Regulation 21. The mode of computation of capacity charges is stipulated in Regulation 30 and, under Regulation 30 (1), the fixed cost of a thermal generating station shall be computed on an annual basis based on norms specified under the 2014 Regulations, and recovered on a monthly basis under capacity charge. The total capacity charge payable for a generating station shall be shared by its beneficiaries as per their respective percentage share/allocation in the capacity of the generating station.

As noted hereinabove, among the components of the annual fixed cost of a generating station is “Depreciation” which is governed by Regulation 27. Regulation 27(1) stipulates that depreciation shall be computed from the date of commercial operation of a generating station or unit thereof. In case of the tariff of all units of the generating station, for which a single tariff needs to be determined, the depreciation shall be computed from the effective date of commercial operation of the generating station taking it into consideration the depreciation of individual units. Under the proviso thereto, the effective date of commercial operation shall be worked out by considering the actual date of commercial operation, and installed capacity of all units of the generating station, for which a single tariff needs to be determined. Regulation 27(2) stipulates that the value base, for the purpose of depreciation, shall be the capital cost of the assets admitted by the Commission and, in the case of multiple units of a generating station, the weighted average life for the

generating station shall be applied, and depreciation shall be charged from the first year of commercial operation. Regulation 27(3) stipulates that the salvage value of the assets shall be considered as 10%, and depreciation shall be allowed up to the maximum of 90% of the capital cost of the assets. Regulation 27(5) requires depreciation to be calculated annually based on the straight line method, and at the rates specified in Appendix II to the 2014 Regulations, for the assets of a generating station. Under the proviso thereto, the remaining depreciable value as on 31st March of the year closing, after a period of 12 years from the effective date of commercial operation of the station, shall be spread over the balance useful life of the assets.

Regulation 27(7) stipulates that the generating company shall submit details of the proposed capital expenditure during the fag end of the project (5 years before the useful life) along with justification and proposed life extension, and the Commission, based on prudence check of such submissions, shall approve depreciation on capital expenditure during the fag end of the project.

A reading of the aforesaid clauses of Regulation 27 makes it amply clear that they relate mainly to depreciation during the useful life of the asset ie the first 25 years of the life of a thermal generating station. No specific mode, for computation of depreciation of a thermal generating station during its extended life, has been prescribed. The stipulation in Regulation 27(7), for the generating company to submit details of the proposed capital expenditure during the fag end of the project (within 5 years before the useful life ie before the 20th year of the generating station) along with justification and proposed life extension, is only to enable computation of depreciation for the proposed capital expenditure to be incurred during the remaining 5 years of the useful life of the generating company. It is only if information regarding proposed life extension is

furnished, would the CERC be able to determine the period over which depreciation, on the proposed capital expenditure to be incurred during the remaining 5 years of useful life, should be spread over. In other words, the period over which such depreciation can be spread over, would be the remaining five years of useful life plus the extended life determined by the CERC.

While Regulation 27(7) no doubt requires information, regarding the proposed life extension, to be submitted by the 20th year of the useful life of the generating company, it does not provide for computation of depreciation on the additional capital expenditure proposed to be incurred during the extended life of the project, and is confined to computation of depreciation on the capital expenditure incurred (or proposed to be incurred) during the fag end of the project ie in the last five years of its useful life.

The reason for the 2014 Regulations not containing a specific provision in this regard is evident. Firstly, computation of depreciation, during the extended life of a project, would depend upon the period for which the useful life of the generating company is extended. The period of extension, of the useful life of a generating company, is required to be determined by the Commission on a case to case basis. Secondly, the CERC, after prudence check, is required to approve the quantum of additional capital expenditure to be permitted to be incurred under Regulation 14(3), during the extended life of the project, for it is only on the amount so approved can depreciation be computed. Bearing these aspects in mind, the CERC has to decide, on a case to case basis, the extent to which depreciation should be provided, during this extended life of the generating company, on the additional capital expenditure under Regualtion14(3) and renovation and modernisation expenditure under Regulation 15 of the 2014 Regulations.

This can be better explained by way of an illustration. For instance, if the CERC determines that the extended life of a thermal generating company should be say 5 years. It would then be required to exercise its discretion to determine whether the additional capital expenditure, proposed to be incurred under Regulation 14(3), and renovation and modernisation expenditure to be incurred under Regulation 15, should be permitted to be recovered by the generating company, in its entirety, during the extended life of 5 years or whether it should only be permitted to be recovered in part with a view to avoid tariff shock to the consumers since Section 61 (d) of the Electricity Act not only requires the CERC to ensure a reasonable return to the generating company, it also obligates it to protect consumers interest.

Since issues regarding the period for which the life of a thermal generating company should be extended, the additional capital expenditure/renovation and modernisation expenditure which should be allowed to be incurred, and the extent of depreciation to be permitted thereon, are all matters for determination by the CERC, on a case to case basis, the 2014 Tariff Regulations does not contain a specific provision in this regard.

The mere fact that Regulation 27(7) requires the generating company to submit details of the proposed life extension does not mean that no additional capital expenditure can be permitted to be claimed during the extended life of the project in case the generating company fails to provide details, of the extension of its useful life, before the end of the 20th year of its useful life. The details of the proposed capital expenditure and its justification, which a generating company is required to submit under Regulation 27(7), relates only to the fag end of the project ie for the last 5 years of its useful life.

(b). USE OF THE CONJUNCTION "AND" : ITS EFFECT:

In *Stroud's Judicial Dictionary*, 3rd Edn. it is stated at p. 135 that the word "and" has generally a cumulative sense, requiring the fulfilment of all the conditions that it joins together. (**M. Satyanarayana v. State of Karnataka(1986) 2 SCC 512; A.K. Gopalan v. The State of Madras 1950 SCC 228 ; Ishwar Singh Bindra v. The State of U.P. (1969) 1 SCR 219; Commissioner Central Excise and Customs v. Dujodwala Resins and Terpenes Ltd., 2019 SCC OnLine Utt 577).**

Use of the conjunction *"and"* in Regulation 27(7), between the words *"the generating company shall submit details of the proposed capital expenditure during the fag end of the project (5 years before the useful life) along with justification"* on the one hand, and *"proposed life extension"* on the other, makes it clear that the generating company is required to submit details of the capital expenditure and its justification, for the period which falls during the fag end of the project ie the last 5 years of its useful life. While the generating company is, no doubt, also required to submit details of the proposed life extension, Regulation 27(7) does not require details of the additional capital expenditure, to be incurred during the proposed life extension period, to be provided. This is also clear from the 2nd limb of Regulation 27(7) which only requires the CERC to approve depreciation on the capital expenditure to be incurred during the fag end of the project, and not during the proposed life extension. The submission, urged on behalf of the Respondents, that, in the light of Regulation 27(7), no capital expenditure can be incurred under Regulation 14(3), during the extended life of the project, does not therefore merit acceptance.

XIII. CEA GUIDELINES ON RENOVATION AND MODERNISATION: ITS RELEVANCE:

It is submitted, on behalf of the Respondents, that the CEA Guidelines on Renovation and Modernization, published in October 2009, make it clear that the need for carrying out Renovation and Modernization, stems from complying with environmental norms, and safety requirements**;** most of the heads for which Additional Capitalization has been disallowed, in the present batch of Appeals, relate to compliance of law (Environmental Norms) and safety of the Plant; as these guidelines were in place, much prior to their having elected for Special Allowance in lieu of R & M, the Appellant ought to have considered these guidelines while exercising their option for Special Allowance; and the Appellant cannot now feign ignorance, and try and seek benefit from its own wrong.

The submissions, urged on behalf of the Respondents under this head, do not merit acceptance. It is unnecessary for us to examine the purport of the CEA guidelines on renovation and modernisation, since we have already held that, notwithstanding Special Allowance under Regulation 16(1) having been claimed, a thermal generating station is also entitled to incur additional capitalisation under Regulation 14(3), provided, of course, the claim clearly falls under one or more of the clauses thereunder. As Regulations 14(3) and 16(1) are not in the alternative, and a claim for Special Allowance under Regulation 16(1) does not bar a claim for additional capitalisation under Regulation 14(3), the submission urged on behalf of the Respondents that the Appellant should have considered the CEA guidelines, before claiming Special Allowances under Regulation 16(1), is not tenable.

XIV. STATEMENT OF OBJECTS AND REASONS/EXPLANATORY MEMORANDUM: ITS RELEVANCE AS AN AID TO INTERPRETATION:

Reliance is placed, on behalf of the Respondents, on the Statement of Objects and Reasons to the CERC (Terms and Conditions of Tariff)

Regulations, 2009, and to the Explanatory Memorandum to the Draft Terms and Conditions of Tariff for 2014 – 2019 published on 6th December 2013, to submit that the option of availing a Special Allowance, in lieu of Renovation and Modernization, was available to be exercised by the Thermal Generator after undertaking due diligence of its Plant conditions; the Generator is entitled to a Special Allowance if it so opts, and is required to maintain records of how that Special Allowance is being used; and this Special Allowance will include all R & M Activities that are required to be carried out from time to time.

(a). STATEMENT OF OBJECTS AND REASONS:

The Statement of Objects and Reasons is not admissible for construing a Section in an enactment, far less can it control the actual words used. (***Central Bank of India* v. *Workmen*: AIR 1960 SC 12; Deptt. of Forests v. J.K. Johnson, (2011) 10 SCC 794).** Statement of objects and reasons for introducing a Bill in the Legislature is not admissible as an aid to the construction of the statute as enacted; far less can it control the meaning of the actual words used in the Act. It can only be referred to for the limited purpose of ascertaining the circumstances which actuated the sponsor of the Bill to introduce it and the purpose for doing so. **(A.C. Sharma v. Delhi Admn., (1973) 1 SCC 726).** Where the provisions of the statute or its wordings are ambiguous, the first attempt should be to find meaning, through internal aids, in the statute itself. Failing this, it is open to the court to find meaning, and resolve the ambiguity, by turning to external aids, which include the Statements of Objects and Reasons, as well as parliamentary reports, or debates in Parliament. **(Jaishri Laxmanrao Patil v. State of Maharashtra, (2021) 8 SCC 1)**

Statements of Objects and Reasons of a Statute may furnish valuable historical material in ascertaining the reasons which induced the

Legislature to enact a Statute, but in interpreting the Statute they must be ignored. **(*The Gujarat University, Ahmedabad* v. *Krishna Ranganath Mudholkar*: AIR 1963 SC 703).** The Statement of Objects and Reasons of a statute may be looked into as an extrinsic aid to find out the legislative intent only when the meaning of the statute by its ordinary language is obscure or ambiguous. But if the words used in a statute are clear and unambiguous then the statute itself declares the intention of the Legislature and in such a case it would not be permissible for a Court to interpret the statute by examining the Statement of Objects and Reasons for the statute in question. **(*S.S. Bola* v. *B.D. Sardana*: (1997) 8 Supreme Court Cases 522).**

Reference to the Statement of Objects and Reasons is for understanding the enactment and the purpose is to ascertain the conditions prevailing at the time the Bill was introduced and the objects sought to be achieved by the proposed amendment. The Statement of Objects and Reasons is not ordinarily used to determine the true meaning of the substantive provisions of the statute. As an aid to the construction of a statute, the Statement of Objects and Reasons appended to the Bill, ordinarily must be avoided. **(Deptt. of Forests v. J.K. Johnson, (2011) 10 SCC 794).**

(b). REPORTS PRECEDING AN ENACTMENT/EXPLANATORY MEMORANDUM:

Reports and recommendations made by the Parliamentary Committees/Commissions that precede enactment of a statute are not decisive, and a Court is free to arrive at a different conclusion based on its own findings and other evidence produced by the parties. (***State of Mysore* v. *R.V. Bidap*, (1974) 3 SCC 337; *R.S. Nayak* v. *A.R. Antulay*, (1984) 2 SCC 183; *Kalpana Mehta* v. *Union of India*, (2018) 7 SCC 1).**

An explanatory memorandum is usually 'not an accurate guide of the final Act'. (**Francis Bennion's Statutory Interpretation, 1984 edn. at p. 529**; **Shashikant Laxman Kale v. Union of India, (1990) 4 SCC 366).** A phrase used, to describe some provisions in the Bill, in the explanatory memorandum can neither be determinative of, nor can it camouflage the true object of the legislation. (**Shashikant Laxman Kale v. Union of India, (1990) 4 SCC 366).**

(c). NO EXTERNAL AID PERMISSIBLE WHERE STATUTORY LANGUAGE IS CLEAR:

The interpretation and the intent should be gathered from the entirety of the statute and, when the language of the Section is clear and categorical, no external aid is permissible in interpretation of the same. **(State of Maharashtra v. Marwanjee F. Desai, (2002) 2 SCC 318).** When the language of the statutory provision is plain and clear no external aid is required, and the legislative intention has to be gathered from the language employed. (**Deptt. of Forests v. J.K. Johnson, (2011) 10 SCC 794).**

As observed earlier, the golden rule of interpretation of Statutes is to read the words of a statutory provision as they mean ie its literal interpretation. It is only where the words of a statutory regulation are ambiguous, or are capable of more than one meaning, would resort to any other canon of construction be justified. Even in such a situation, the court/tribunal should first resort to internal aids such as a purposive or a harmonious construction of the provisions of the Regulations itself. It is only where internal aids for interpretation of Statutes do not also suffice, can resort be then had to external aids of construction of statutory provisions. While the statement of objects and reasons, and the explanatory memorandum, have been held, in some judgements, not

even to fall within the permissible external aids, and as not being capable of being relied upon in the interpretation of statutes, even if we were to proceed on the premise that they constitute external aids, resort to such external aids is unnecessary, as the provisions of the 2014 Regulations, on a literal interpretation thereof, make it clear that a thermal generating station is entitled to claim additional capital expenditure under Regulation 14(3), notwithstanding its having claimed and received Special Allowance under Regulation 16(1), provided it has not claimed the benefit of the same capital expenditure twice ie both under Regulations 14(3) and 16(1).

XV. ARE THE 2009 AND 2014 TARIFF REGULATIONS COMPARABLE:

It is submitted, on behalf of the Respondents, that the CERC (Terms and Conditions of Tariff) Regulation, 2014 (the "2014 Regulations" for short) are in pari materia with the CERC (Terms and Conditions of Tariff) Regulation, 2009 (the "2009 Regulations" for short); in these Appeals, the Appellant has claimed Additional Capitalization; and, in Para 122 of Appeal No. 95 of 2015 dated 15.05.2018, this Tribunal has held that, if the benefit of efficiency improvement does not go to the beneficiaries, the expenditure cannot be capitalized for the purpose of tariff; and most of the claims of additional capital expenditure, raised by the appellant in these batch of appeals, are covered by the earlier Orders of this Tribunal.

It is useful, therefore, to note the judgements relied on behalf of the Respondents in this regard.

(i). CO2 MONITORING SYSTEM:

On the appellant's claim for additional capitalization projected to be incurred for online CO2 Monitoring System, this Tribunal, in its Order in

NTPC Ltd. vs CERC & Ors. (**Appeal no. 44 of 2012 dated 27-01-2014),** observed that they had, in their affidavit filed before the Central Commission, claimed capitalization of expenditure projected to be incurred on CO2 Monitoring System. as a consequence of change in law provided in Regulation 9(2) of the 2009 Tariff Regulations; in the said affidavit dated 8.4.2010 the appellant had given the following justification for expenditure on online CO2 Monitoring System:

> *"As regards expenditure of Rs. 30 lakhs towards online CO2 monitoring system, it is submitted that in order to monitor the combustion quality of fossil fuel in the boiler, this system needs to be installed and is in procurement stage. It will help in optimizing the coal combustion and cutting the CO2 gas emission which is a green house gas. India being a signatory of Kyoto protocol is committed to reduce the emission of green house gases. Therefore, this expenditure has become necessary."*

The Central Commission has given the following findings on the claim of NTPC for CO2 Monitoring System as under:

> *"49. The Petitioner's claim for expenditure of Rs. 30.00 lacs under this head towards on-line CO2 monitoring system in terms of the Environmental consent order of the Ministry of Environment & Forests. Government of India, has been examined in view of the clarification submitted vide affidavit dated 08.04.2010 (as quoted in Paragraph 40 above) and no reference of this work/asset has been found in the said environmental consent order referred to by the Petitioner. Hence, the expenditure of Rs. 30.00 lacs is not allowed for capitalization under this head."*

This Tribunal then held that the Central Commission had rejected the claim for online CO2 Monitoring System as there was no reference of this work/assets in the Environmental consent order referred to by NTPC; the Central Commission had considered the affidavit dated 8.4.2010 filed by NTPC, as also the environmental clearance of the Ministry of Environment & Forests dated 5.2.2009; the claim of NTPC was not covered under any of the provisions of Regulation 9 for additional capitalization; and, therefore, there was no infirmity in the findings of the Central Commission in this regard in the impugned order.

(ii). ELECTRO-STATIC PRECIPITATORS:

The issue which arose for consideration before this Tribunal, in **NTPC vs. CERC & Ors.** (Order in **Appeal No. 61 of 2015 dated 29.04.2016),** was whether the CERC had erred in disallowing additional capital expenditure on Electro-Static Precipitators (ESP) under Regulation 9(2)(ii) of Tariff Regulations, 2009 under the head `Change in Law; the CERC had disallowed the claim on the ground that the same would be covered by the Special Allowance allowed for Renovation and Modernization; the capital expenditure on account of Electro Static Precipitators was claimed by NTPC under Regulaion 9 (2) (ii), and the same was admissible by reason of the fact that such expenditure had become necessary on account of statutory requirements; and such expenditure is admissible independent of the expenses admissible under other provisions of the Tariff Regulation, 2009.

This Tribunal held that the Appellant had not claimed the additional expenditure on ESP in the FY 2013-14; in its Affidavit dated 08.03.2013 the appellant had submitted that the ESP package was awarded to M/s. Hitachi on 01.03.2013 and the erection would continue till the Year 2015-16; the useful life of 25 years of the first unit would expire in the year 2015,

and the other unit would expire in the year 2016; and, thus, the Appellant cold have claimed the expenditure on ESP under Regulation, 10 of the 2009 Tariff Regulation, i.e. under Renovation and Modernization of the Thermal Plants. No reasons have been assigned in the said Order as to why this expenditure could not be claimed under Regulation 9 of the 2009 Regulations.

(iii). CAPITAL EXPENDITURE INCURRED ON RAISING OF ASH DYKE:

On the issue of disallowance of capital expenditure incurred on raising of Ash Dyke, this Tribunal, in **NTPC Ltd. vs West Bengal State Electricity Distribution Company Limited and ors.** (Order in **APPEAL NO. 46 OF 2015 Dated: 04th July, 2016),** held that the CERC had disallowed the capital expenditure incurred on raising of Ash Dyke, amounting to Rs. 498.28 lakhs, as against Rs. 966.71 lakhs, on the ground that the said part of the expenditure relating to stage-I of the Farakka Station was covered by Special Allowance provided under Regulation 10(4) of the Tariff Regulations, 2009; the contention of the Appellant was that they had claimed the special allowance in respect of Unit-I & Unit-II of Farakka Station from the date of completion of 25 years of service as provided under Regulation 10(4) of the Tariff Regulations, 2009, which was admitted by the Central Commission, vide its order dated 14.6.2012; hence, it was not now open to the CERC to disallow the said claim of capital expenditure incurred on raising of Ash Dyke; after the useful life of the generating station, the Appellant had opted for special allowance under Regulation 10(4) of Tariff Regulations, 2009, and had been allowed special allowance; admittedly, the useful life of two units of Stage-I had expired during the tariff period, hence, the CERC had rightly disallowed capitalization during 2010-11 having observed that the same could be met from special allowance; the CERC had adopted the view

that, since the useful life of Unit-I & II has expired during 2012-13 and 2013-14 respectively during the tariff period, this expenditure could be met from special allowance, which had already been opted and allowed to the Appellant; there was no merit in the contention of the Appellant that the Renovation and Modernization of Unit-I & II were in the range of Rs. 1.20 to 1.35 crores/MW for boiler turbine generator and the special allowance was not sufficient for this purpose; the Central Commission had allowed the special allowance on the basis of details furnished by the Appellant at the time of framing of Regulations; once the norms were fixed for any work in the Regulation, subsequently, actuals cannot be claimed as the entire tariff of Appellant is determined on the basis of normative values; and this issue should be decided against the Appellant.

(iv). INSTALLATION OF INLET AIR COOLING SYSTEM:

In its Order, in **NTPC Ltd. vs Uttar Pradesh Power Corporation Ltd & ors.** (**APPEAL NO. 95 OF 2015 dated 15.05.2018),** this Tribunal held that the impugned Order showed that there was no justification for installation of inlet air cooling system; the order also showed that the Appellant had refused to pass on the benefits of efficiency improvements to the beneficiaries; it was the specific case of the Appellant that passing the benefit to the beneficiaries was not a condition envisaged in Regulation 9(2)(vi) of the Tariff Regulations, 2009; such a contention, if accepted, would allow double benefit to the Appellant; the judgment of this Tribunal dated 08.05.2014, passed in Appeal No. 173 of 2013, was squarely applicable to this case too; the reasoning given was in accordance with the provisions of Regulation 9(2) as the powers under Regulation 9(2) were discretionary powers vested in the Commission; the CERC in its wisdom/discretion, while allowing the additional capitalization, may order that the benefits of the additional capitalization to be passed on

to the beneficiaries; in the event of denial by the Appellant, the additional capitalization can be refused at the discretion of the Commission; such approach is based on equity and justice which is also applied in the instant issue by assigning valid and cogent reasons; and they did not find any error or legal infirmity in the Impugned Order.

(v). ISSUE RELATING TO ADDITONAL CAPITALIZATION UNDER 'CHANGE IN LAW'

On the issue relating to additional capitalization under "change in law", this Tribunal, in **NTPC Ltd vs CERC and ors. (Appeal No. 129 of 2012 dated 12.05.2015),** noted that capitalization under Regulation 9(2) (ii) of the Tariff Regulations, 2009 was claimed by the appellant on the aspects of Energy Management Systems, Carbon Dioxide (CO2) Monitoring System, Obsolete Control Systems, ESP Field and Rapper Controllers, Solar Heating and Renovation and Retrofitting of ESP, Ambient Air Quality Monitoring System (AAQMS) Package, Energy Management System Wagon Tippler Package, Opacity Monitoring Equipment and Bio Methanation Plant, Construction of New Canteen Building due to installation of Dry Ash Extraction System, MVW Spray for Augmentation of Fire-fighting, Expenditure on Energy Conservation, Fuel Gas Analyzer, online Power Measurement System, Insert Gas Fire Extinguishing System & Chlorine Leak Detection System by giving details and necessity of each of these facilities which were mandatorily required in different power projects of the appellant-NTPC, but the CERC had disallowed the expenditure on Energy Management Systems on the basis that the benefit of the reduction in auxiliary power consumption was not passed on to the beneficiaries during the period 2009-14, and so the said expenditure should be borne by the NTPC; the Energy Management System had been installed, as per guidelines of the Bureau of Energy Efficiency, to monitor and to optimize auxiliary power consumption; the

Regulations of Central Electricity Authority also made it mandatory for installation of meters, enhanced energy efficiency in energy intensive core sectors was also the policy of the Government of India; and hence the disallowance on this basis was wrong.

This Tribunal observed that the additional capital expenditure, on the above said assets as claimed by the appellant under the said situations, were not covered under the definition of Change in law because the expenditure on the said assets could be claimed by the appellant NTPC only under the change in Law clause when the events are to be dealt with as a result of enactment, promulgation, amendment, modification or repeal of any law or change in the interpretation of any law by a competent court, Tribunal or Indian Governmental Instrumentality or Change in Law by a competent statutory authority in any consent, approval or license available or obtained for the project; the appellant had failed to demonstrate that such events leading to replacement of the said system or addition of the said assets had occurred; the CERC had rightly observed that such expenses were being claimed by NTPC in FY 2013-14 without providing any explanation for the delayed capitalization of the expenditure, and such claim was being made under 'change in law' by the appellant without demonstrating the need for such expenditure under the provisions of any statute; further, under Tariff Regulations, 2009 auxiliary power consumption is determined on the basis of normative value, and any reduction in auxiliary power consumption will benefit the appellant alone; merely because the Bureau of Energy Efficiency had issued guidelines to monitor auxiliary power consumption and the Regulations of the CEA required installation of meters, would not bring it under 'Change in Law'; thus the capitalization in respect of this asset cannot be made for the purpose of tariff; no Regulation of the Tariff Regulations can be read in isolation but the cumulative effect of the whole Regulations, scheme

and purpose of the Regulations have to be considered; and the CERC has rightly disallowed the said claims of NTPC after analyzing the cumulative effect of various Regulations of Tariff Regulations, 2009 without leaving any ambiguity.

(vi). ADDITIONAL CAPITALIZATION UNDER REGULATION 9(2)(iii) OF THE TARIFF REGULATIONS, 2009:

In its Order, in **NTPC Ltd vs CERC and ors. (Appeal No. 129 of 2012 dated 12.05.2015),** this Tribunal noted that the appellant had claimed capitalization under Regulation 9(2)(iii) of the Tariff Regulations, 2009 before the CERC during 2009-10, on the ground that the work relating to Ash Pond and Ash Handling System was to augment the dry fly ash extraction and evacuation, stating that the ash pond or ash handling system formed part of the original scope of the work and the execution was started before the cut off date, but the work could be completed and capitalised after the cut off date due to reasons beyond the control of NTPC; even under Tariff Regulations, 2009, the capital expenditure, in the nature of deferred works relating to ash pond or ash handling system forming part of the original scope of works, are to be allowed after the cut-off date subject to prudence check by the Central Commission; and the CERC had wrongly disallowed all the capital expenditure, relating to ash pond and ash handling system, on the ground that the expenditure incurred or projected to be incurred was required to be met from the Special allowance admissible to the generating station towards R&M during life extension of the units/generating station.

This Tribunal expressed its inability to accept the contentions of the appellant that the work relating to ash pond or ash handling system was to augment the dry fly ash extraction and evacuation which formed part of the original scope of work, the execution of which was started before the

cut off date, but the work could be completed and capitalized only after the cut off date due to the reasons beyond the control of the appellant; for exercising power under Regulation 9(2)(iii) of the Tariff Regulations, 2009 the capital expenditure incurred or projected to be incurred on deferred works relating to ash pond or ash handling system must relate to the original scope of the work after the cut off date, and only then can the CERC, in its discretion, admit the same subject to prudence check; the CERC had disallowed the said expenditure relating to ash pond or ash handling system on the ground that the said expenditure incurred or projected to be incurred was required to be met from the special allowance admissible to the generating station towards renovation and modernization during life extension of the units/generating station; they were not inclined to accept this contention of the appellant that the CERC had wrongly held that, where the generating station consists of two stages, namely, Stage-I and Stage-II and the ash pond or ash handling system is a common facility for both the stages, Stage-I (600 MW) had completed useful life of 25 years during May, 2010 and accordingly, the Stage-I units were entitled for Special allowance under Regulation 10(4) of the Tariff Regulations, 2009, in lieu of renovation & modernization; the CERC had rightly held that the said capital expenditure was not permissible under Regulation 9(2)(iii) of Tariff Regulations, 2009; the contention of the appellant, that the capital expenditure for ash pond or ash handling system ought not to be disallowed on the ground that they were covered by the special allowance under Regulation 10(4) of the Tariff Regulations, 2009 for reasons that these expenditure of renovation & modernization were not part of the generating station/unit but were independent of the same, was liable to be rejected; as also the contention of the appellant that special allowance towards continuous and

progressive maintenance did not include expenditure required for installation of new assets such as ash pond and the associated works.

This Tribunal further held that, as per Regulation 9(2)(iii) of the Tariff Regulations, 2009, no additional capitalization could be granted except the three conditions mentioned therein, and any new work could not be capitalized; the three conditions mentioned in the said provision were firstly, the liability to meet the award of arbitration or for compliance of the order or decree of a Court, secondly change in law and thirdly deferred works relating to ash pond or ash handling system in the original scope of the work; they were upholding the view of the CERC that the expenditure incurred by the appellant on ash pond or ash handling system could be met by the special allowance under Regulation 10(4) of the Tariff Regulations, 2009; if the appellant finds that the special allowance is inadequate, in that case, the appellant is free to challenge the said Regulation in the competent Court or Writ Court, but during the existence of the said Regulation 9(2)(iii) of Tariff Regulations, 2009, the said claim relating to ash pond or ash handling system cannot be allowed under deferred works in the original scope of works.

This Tribunal also held that under Regulation 10 of Tariff Regulations, 2009, dealing with Renovation & Modernization, an option was granted to the generating company either to claim expenditure incurred on renovation & modernization or to opt alternatively for special allowance under Regulation 10(4) of the Tariff Regulations, 2009 to meet the expenditure including on renovation & modernization; once the appellant has exercised its option to claim special allowance, it cannot then be allowed to claim the capital expenditure incurred or projected to be incurred on deferred works relating to ash pond or ash handling system in the original scope of work under Regulation 9(2)(iii) of the Tariff Regulations, 2009; there was no provision for renovation and

modernization before completion of the useful life of the generating station in the Tariff Regulations, 2009; and expenses, if any, of such nature could be met from the compensation allowance under Regulation 19 (e) of the Tariff Regulations, 2009.

The Order of this Tribunal, in **NTPC Ltd. vs CERC & Ors.** (**Appeal No. 44 of 2012 dated 27-01-2014),** related to a claim towards additional capital expenditure on online CO2 Monitoring System, and it was held that the said claim was not covered under any of the provisions of Regulation 9 of the 2009 Regulations for additional capitalization.

The Order of this Tribunal, in **NTPC vs. CERC & Ors.** (**Appeal No. 61 of 2015 dated 29.04.2016),** related to a claim for additional capital expenditure on Electro Static Precipitators (ESP) under Regulation 9(2)(ii) of Tariff Regulations, 2009 under the head `Change in Law; and it was held that the Appellant could have claimed this expenditure under Regulation 10 of the 2009 Tariff Regulations i.e. under Renovation and Modernization of Thermal Plants.

The Order of this Tribunal, in **NTPC Ltd. vs West Bengal State Electricity Distribution Company Limited and ors.** (**APPEAL NO. 46 OF 2015 Dated: 04th July, 2016),** related to the capital expenditure incurred on raising of Ash Dyke, and it was held that the Appellant had opted for special allowance under Regulation 10(4) of Tariff Regulations, 2009, and had been allowed special allowance, after the useful life of the generating station; and this expenditure could be met from the special allowance.

The Order of this Tribunal, in **NTPC Ltd. vs Uttar Pradesh Power Corporation Ltd & ors.** (**APPEAL NO. 95 OF 2015 dated 15.05.2018),** related to installation of inlet air cooling system. This Tribunal held that its earlier judgement in Appeal No. 173 of 2013 dated 08.05.2014 was squarely applicable to this case, and the reasoning given therein was in

accordance with the provisions of Regulation 9(2) of the 2009 Regulations.

The Order of this Tribunal, in **NTPC Ltd vs CERC and ors. (Appeal No. 129 of 2012 dated 12.05.2015),** related to claims on Energy Management Systems, Carbon Di Oxide (CO2) Monitoring System, Obsolete Control Systems, ESP Field and Rapper Controllers, Solar Heating and Renovation and Retrofitting of ESP, Ambient Air Quality Monitoring System (AAQMS) Package, Energy Management System Wagon Tippler Package, Opacity Monitoring Equipment and Bio Methanation Plant, Construction of New Canteen Building due to Installation of Dry Ash Extraction System, MVW Spray for Augmentation of Fire-fighting, Expenditure on Energy Conservation, Fuel Gas Analyzer, online Power Measurement System, Insert Gas Fire Extinguishing System & Chlorine Leak Detection System under Regulation 9(2)(ii) of the Tariff Regulations, 2009. This Tribunal held that the additional capital expenditure, on the above said assets, were not covered under the definition of Change in law

The Order of this Tribunal, in **NTPC Ltd vs CERC and ors. (Appeal No. 129 of 2012 dated 12.05.2015),** related to works of Ash Pond and Ash Handling System to augment the dry fly ash extraction and evacuation. This Tribunal was of the view that the CERC had rightly held that the said capital expenditure was not permissible under Regulation 9(2)(iii) of Tariff Regulations, 2009; and the said expenditure could be met by the special allowance under Regulation 10(4) of the Tariff Regulations, 2009.

All the aforesaid judgements under this head dealt with the scope and purport of Regulation 9 of the 2009 Regulations. To understand why the judgements under the 2009 Regulations may have no application, while interpreting the relevant provisions of the 2014 Regulations, it is

useful to take note of the relevant provisions of the 2009 Regulations. The CERC Terms and Conditions of Tariff Regulation, 2009 ("the 2009 Regulations" for short) came into force on 01.04.2009 and remained in force, for a period of 5 years from its commencement, up to 31.03.2014.

Regulation 9 of the 2009 Regulation related to additional capitalisation. Regulation 9(2) related to capital expenditure incurred or projected to be incurred, on the counts mentioned thereunder, after the cut of date. The CERC, in its discretion, could admit such capital expenditure subject to prudence check. Clauses (i) to (ix) thereunder were matters with respect to which capital expenditure, incurred after the cut-off date, could be admitted by the CERC. Regulation 9(2) of the 2009 Regulation contained only one proviso. The said proviso stipulated that, in respect of sub-clauses (iv) and (v), any expenditure on acquiring minor items or assets like tools and tackles, furniture, air-conditioners, voltage stabilizers, refrigerators, coolers, fans, washing machines, heat convectors, mattresses, carpets etc, bought after the cut-off date, shall not be considered for additional capitalization for determination of tariff with effect from 01.04.2009.

Unlike Regulation 9(2) of the 2009 Regulations, Regulation 14(3) of the 2014 Regulations additionally uses the words "*in respect of existing generation station*" and "*or projected to be incurred*", making it clear that the additional capital expenditure incurred or proposed to be incurred is with respect to an existing generation station. Similarly, Regulation 14(3)(ii) of the 2014 Regulations contains the additional words "*or compliance of any existing law*" which was not provided for in Regulation 9(2)(ii) of the 2009 Regulations. While Regulation 9(2)(iii) of the 2009 Regulations is in pari-materia with Regulation 14(3)(iv) of the 2014 Regulations, the latter Regulations contains a new sub-clause (iii) which relates to "*Any expenses to be incurred on account of need for higher*

security and safety of the plant as advised or directed by appropriate Government Agencies or statutory authorities responsible for national security/internal security".

The proviso to Regulation 9(2) of the 2009 Regulation is similar to the first proviso to Regulation 14(3) of the 2014 Regulations. Unlike Regulation 9(2) of the 2009 Regulations which had only one proviso, Regulation 14(3) of the 2014 Regulations has three. As noted hereinabove, a conjoint reading of the additional new provisos to Regulation 14(3) shows that additional capital expenditure, under Regulation 14(3) of the 2014 Regulations, can be claimed even during the extended life of a thermal generating company. Since there were no provisos, similar to that of the additional provisos to Regulation 14(3) of the 2014 Regulations, in Regulation 9(2) of 2009 Regulations, reliance placed on the judgement of this Tribunal, in **NTPC Ltd vs CERC & others (Order in Appeal No.129 of 2012 & batch dated 12.05.2015)**, wherein the scope and ambit of Regulation 9(2) of the 2009 Regulations was considered, is of no avail.

Regulation 10(1) of the 2009 Regulations related to Renovation & Modernisation, and is similar to Regulation 15 of the 2014 Regulations. The first proviso to Regulation 10(1) of the 2009 Regulations, though not identical, is similar to Regulation 16 of the 2014 Regulations. Regulation 10 of the 2009 Regulation is now largely covered by Regulations 15 and 16 of the 2014 Regulations.

As there has been a material change from the 2009 Regulations in the 2014 Regulations, the aforesaid judgements may have no application in the changed context where the 2014 Regulations are alone applicable during the tariff period 2014-2019. No reliance can, therefore, be placed on judgements interpreting the 2009 Regulations, while construing the provisions under the 2014 Regulations.

XVI. CONTRARY VIEWS EXPRESSED IN TWO JUDGEMENTS OF THIS TRIBUNAL: SHOULD A REFERENCE BE MADE TO A LARGER BENCH?

It is contended, on behalf of the appellant, that the principal issue in the present batch of Appeals is the applicability of Regulation 14 *viz-a-viz* Regulation 16 of the 2014 Tariff Regulations; the Impugned Orders seek to deny the appellant its legitimate claims (Claimed under Regulation 14 (3)) solely on the ground that they are entitled to Special Allowance (Regulation 16); this issue is squarely covered by the Judgment of this Tribunal in ***'NTPC Limited v. CERC & Ors.'(***Order in Appeal No. 25 of 2017 & batch dated 01.12.2022) wherein it was held that there was no correlation between Regulations 14 and 16 of the 2014 Tariff Regulations, and denying the legitimate claim of the appellant on this score was unjust and unreasonable; Regulation 14 of the 2014 Tariff Regulations provides for Additional Capitalization beyond the original scope of work, if the said expenditure falls within the scope of Regulation 14(3); and the issues in the present Appeals now stand covered by the Judgement of this Tribunal in ***'NTPC Limited v. CERC & Ors.'(***Order in Appeal No. 25 of 2017 & batch dated 01.12.2022).

It is further contended, on behalf of the appellant, that the judgement in Appeal No. 129 of 2012 was in relation to the 2009 Tariff Regulations; insertion of 3 provisos in Regulation 14(3) has made the 2014 Tariff Regulations distinct from the 2009 Tariff Regulations; by inserting the 3rd Proviso (*which is the exception to the rule*), the CERC has clearly specified that only if an expense is claimed under R&M, is it barred under Regulation 14 (3); the proviso clearly indicates that the 'only exception' to 14(3) is a 'Claim of R&M'; Regulation 14(3) is materially distinct from

Regulation 9(2) of the 2009 Tariff Regulations; and the subject Judgment is not applicable to the present dispute. Reliance is placed by the learned Counsel, on **'*Haryana Financial Corporation & Anr. v. Jagdamba Oil Mills & Anr'*. (2002) 3 SCC 496,** to contend that Courts should not rely on Judgments without taking into consideration the facts and circumstances of the case to be adjudicated, and a change in the facts of two cases would require the matter to be considered afresh.

It is submitted, on behalf of the Respondents, that, in its Order in Appeal No. 129 of 2012 dated 12.05.2015, this Tribunal has elaborately discussed and settled the legal position in detail on the inter-play between Regulation 14(3) proviso 3, Regulation 15 and Regulation 16 read with Regulations 17, 29(7) and the proviso to Regulation 29 of the CERC Tariff Regulations, 2014 which are similar to the CERC Tariff Regulations, 2009; in the said Order, this Tribunal held that, if Generators have opted for Special and Compensation Allowance in the place of O&M, R&M Expenditure of Capital Nature, for extension of the life of the Plant or beyond the useful life of the plant, generators shall not be eligible to claim R&M, O&M or Additional Capital Expenditure as mentioned in Regulations 14(3); subsequently, by another Order in Appeal No. 25 of 2017 dated 01.12.2022, this Tribunal has taken a contrary view, ignoring the law laid down by this Tribunal in its earlier Order in Appeal No. 129 of 2012 dated 12.05.2022, and without doubting the correctness of said Order; a co-ordinate Bench cannot ignore or hold as per-incuriam the law laid down by another co-ordinate bench; and, instead, they should have referred the matter for hearing before a larger bench.

Reliance is placed in this regard, on the Order of this Tribunal, in Appeal No. 188 of 2022 dated 23.02.2023, to submit that, in case of doubt, all that the Bench of a co-equal quorum can do is to place the matter for hearing before a Bench of larger quorum than the Bench whose decision

has come up for consideration; and as, in the present Case, there are two Judgments of co-ordinate strength, i.e. Order in Appeal No. 129 of 2012 dated 12.05.2015, and Order in Appeal No. 25 of 2017 dated 01.12.2022, taking two contrary views, this Tribunal may not accept the views / law laid down in one Judgment while ignoring the law laid down in the other Judgment of co-equal strength of the same Tribunal; and the questions of law, arising for consideration herein, be referred to a larger bench for its decision.

(i). WHEN SHOULD A REFERENCE BE MADE TO A LARGER BENCH:

The statement of law by a Division Bench is considered binding on a Division Bench of the same or lesser number of Judges. (**Union of India v. Raghubir Singh, (1989) 2 SCC 754; North Karanpura Transmission Co. Ltd. v. CERC, 2023 SCC OnLine APTEL 7**). A Division Bench must ordinarily respect another Divisional Bench of co - ordinate jurisdiction but if it differs, the case should be referred to a Full Bench. This procedure would avoid unnecessary conflict and confusion that otherwise would prevail. **(CIT V. M/s. B.R. Constructions, Hyderabad, 1992 SCC OnLine AP 121 (FB)).** When a Bench of co-equal strength expresses an opinion doubting the correctness of the view taken by the earlier Bench of co-equal strength, the matter ought to be placed for hearing before a Bench consisting of a quorum larger than the one which pronounced the decision laying down the law, the correctness of which is doubted. (**Union of India v. Raghubir Singh (Dead) By Lrs (1989) 2 SCC 754; Central Board of Dawoodi Bohra Community v. State of Maharashtra (2005) 2 SCC 673; North Karanpura Transmission Co. Ltd. v. CERC, 2023 SCC OnLine APTEL 7).**

The earlier judgment may seem to be not correct, yet it binds the later Bench of co-ordinate jurisdiction. The easy course of saying that the earlier decision was rendered *per incuriam* is not permissible, and the matter will have to be resolved only in two ways — either to follow the earlier decision or refer the matter to a larger Bench to examine the issue, in case it is felt that the earlier decision is not correct on merits. [**State of Bihar v. Kalika Kuer: (2003) 5 SCC 448**). When a bench of co-ordinate jurisdiction disagrees with another bench of coordinate jurisdiction, on a question of law, it is appropriate that the matter be referred to a larger Bench for resolution of the issue rather than leave two conflicting judgments to operate, creating confusion. It is not proper to sacrifice certainty of law. Judicial decorum, no less than legal propriety, forms the basis of judicial procedure and it must be respected at all costs. [**Vijay Laxmi Sadho (Dr) v. Jagdish: (2001) 2 SCC 247)**.

In examining whether or not the subsequent bench of this Tribunal had declared the order passed by the earlier bench per incuriam, it must be borne in mind that a conclusion, without reference to the relevant provision of law, is weaker than even casual observations. (**Synthetics and Chemicals Ltd: (1991) 4 SCC 139**). The 'quotable in law' is avoided and ignored if it is rendered 'in ignoratium of a statute or other binding authority'. (***Young* v. *Bristol Aeroplane Co. Ltd:* (1944) 2 ALL ER 293)**. The Latin expression "**per incuriam**" means through inadvertence. A decision can be said generally to be given per incuriam when the Court has acted in ignorance of a binding precedent (***Punjab Land Development and Reclamation Corporation Ltd.* v. *Presiding Officer, Labour Court, ChandigarhI:* (1990) 3 SCC 682).**

"*Per incuriam*" are those decisions given in ignorance or forgetfulness of some inconsistent statutory provision or of some authority binding on the Court concerned, so that, in such cases, some part of the

decision or some step in the reasoning on which it is based, is found, on that account, to be demonstrably wrong. (***Morelle* v. *Wakeling*: (1955) 1 ALL ER 708; *State of Orissa* v. *Titaghur Paper Mills Co. Ltd.*: (1985) Supp SCC 280; *A.R. Antulay* v. *R.S. Nayak*: (1988) 2 SCC 602**). If a decision has been given *per incuriam* the Court can ignore it. A decision should be treated as given *per incuriam* when it is given in ignorance of the terms of a statute or of a rule having the force of a statute. (***Municipal Corporation of Delhi* v. *Gurnam Kaur*: (1989) 1 SCC 101).** A precedent ceases to be a binding precedent when it is rendered per incuriam. **(B.R. Constructions: (1993) 1 APLJ 63)**.

While it is true that a subsequent Division Bench cannot ignore an earlier judgment on the ground that it was rendered *per incuriam* **(Kanwar Amrinder Singh v. High Court of Uttarakhand, 2018 SCC OnLine Utt 1026),** and the only course open for it, in such cases, is to make a reference to a larger bench, the fact remains that the subsequent Order of this Tribunal, in Appeal No.25 of 2017 dated 01.12.2022, not only took note of the earlier Order in Appeal No.129 of 2012 dated 12.05.2015, but did not also hold that the earlier Order was a decision given in ignorance or forgetfulness of some inconsistent statutory provision or of a binding authority, or that the earlier decision was given per incuriam. The earlier decision was distinguished on the ground that it was given on a construction of the then prevailing 2009 Tariff Regulations, while the enquiry before the subsequent Division Bench related to the interpretation of the 2014 Tariff Regulations.

(ii). THE TWO JUDGEMENTS OF THIS TRIBUNAL SAID TO BE IN CONFLICT WITH EACH OTHER:

Let us now consider whether the subsequent Bench of this Tribunal was justified in taking such a view.

In **'*NTPC Limited v. CERC & Ors.'(***Order in Appeal No. 25 of 2017 & batch dated 01.12.2022), this Tribunal observed:-

"72. It cannot be disputed that the Special allowance is a pre-emptive right of the Appellant to be obligatorily allowed for any of its generating unit which has been under commercial operation for over 25 years, whereas Regulation 14 is a provision for seeking expenditure which may be incurred by any 'existing generating station' during the course of its operation, therefore, any co-relation sought to be established by the Central Commission between Regulation 16 and Regulation 14 to deny legitimate expenditure to the Appellant is unjust and unreasonable.
73. On the contrary, the arguments of Respondents were relied upon the Judgement dated 12.05.2015 passed by this Tribunal in Appeal No. 129 of 2012, wherein similar issues were adjudicated, we note here that the said Judgment does not apply to the merits and the facts of the case as in the said Appeal, the Appellant had challenged various Orders passed by the Central Commission disallowing the Additional Capital Expenditure incurred by the Appellant on the premise that the Appellant was availing Special Allowance as per the Regulation 10(4) of the Tariff Regulations, 2009."

It is clear, from the afore-extracted portion, that the Judgement of this Tribunal in **'*NTPC Ltd vs CERC & Ors',*** (Order in Appeal No. 129 of 2012 dated 12.05.2015), was considered by this Tribunal, in **'*NTPC Limited v. CERC & Ors.'* (**Order in Appeal No. 25 of 2017 & batch dated 01.12.2022), and was distinguished holding that it did not apply to cases pertaining to the 2014 Tariff Regulations, which are the Regulations under consideration in the present batch of Appeals also. The correctness of the earlier judgement was neither doubted by this Tribunal, in its Judgement in Appeal No. 25 of 2017 & batch dated 01.12.2022, nor was it said to have been rendered per incuriam. On the other hand, the earlier judgement, rendered in the context of the 2009 Regulations, was held inapplicable in the changed context of the 2014 Regulations.

In considering the question whether this Tribunal, while passing the judgement in ***'NTPC Limited v. CERC & Ors.' (***Order in Appeal No. 25 of 2017 & batch dated 01.12.2022), was justified in holding that its earlier judgement, in Appeal No.129 of 2012 dated 12.05.2015, was inapplicable in the changed circumstances, it is necessary to, firstly, take note of the contents of the earlier judgement.

The appeal, in **NTPC Ltd vs CERC & Others (Appeal No. 129 of 2012 dated 12.05.2015),** was filed by the appellant (NTPC Limited) against the order passed by the CERC dated 07.05.2012 determining the tariff applicable for generation and supply of electricity relating to Ramagundam Super Thermal Power Station, Stage III (500 MW), for the period from 01.04.2009 to 31.03.2014, in terms of the CERC (Terms & Conditions of Tariff), Regulations 2009 (hereinafter referred to as the '2009Tariff Regulations'). By the said order, the CERC disallowed the claims of the appellant-NTPC regarding additional capital expenditure on the works i.e. Township Building and Ash-Silo 2, execution initiated before the cut off date as pre-defined in Regulation 3(11) of the 2009 Tariff Regulations, but could be completed and capitalised subsequently; additional capital expenditure for the period 01.04.2009 to 31.03.2014 involving activities which formed part of the original scope of the work including expenditure on BHEL Main Plant Turnkey work and construction of railway siding and locos. and additional capital expenditure to be incurred from time to time towards replacement/refurbishment of old assets, which capital expenditure is necessary for the efficient and effective operation of the generating stations.

Relying on its earlier Order in **NTPC vs. Central Electricity Regulatory Commission &Ors., (judgment in Appeal No. 44 of 2012 dated 27.1.2014),** this Tribunal, in its Order in **NTPC Ltd vs CERC & Others (Appeal No. 129 of 2012 dated 12.05.2015),** observed that the

additional capital expenditure claimed by the appellant was under "Change in Law" as provided under Regulations 9(2) and 19(e) of the 2009 Tariff Regulations; the appellant had contended that these two Regulations were independent; the capital expenditure was allowable under the last proviso to Regulation 7 of the Tariff Regulations, 2009; the balance works were covered under the original scope of the work, and the CERC had not considered the entire amount as per Regulation 18 read with Regulation 19 of the 2009 Tariff Regulations for deriving permissible interest on working capital; and the CERC had erred in holding that no additional capitalization was to be allowed except those covered under Regulation 9 of the 2009 Tariff Regulations without considering the implications of the last proviso to Regulation 7 read with Regulation 3(8) of the 2009 Tariff Regulations, in the case of an existing generating station.

This Tribunal further held that expenditure on the said assets could be claimed by the appellant NTPC only under the Change in Law clause, when the events were to be dealt with as a result of enactment, promulgation, amendment, modification or repeal of any law or change in the interpretation of any law by a competent court, Tribunal or Indian Governmental Instrumentality, or a Change in Law by a competent statutory authority, in any consent, approval or license available or obtained for the project; the appellant had failed to demonstrate that such events, leading to replacement of the said system or addition of the said assets, had occurred; the CERC had rightly observed that such expenses were being claimed by NTPC in FY 2013-14 without providing any explanation for the delayed capitalization of expenditure, and such claim was being made under 'change in law' by the appellant without demonstrating the need for such expenditure under the provisions of any statute; under the 2009 Tariff Regulations, auxiliary power consumption

was determined on the basis of normative value, and any reduction in auxiliary power consumption would benefit the appellant alone; merely because the Bureau of Energy Efficiency had issued guidelines to monitor auxiliary power consumption, and the Regulations of the CEA required meters to be installed, would not bring it under 'Change in Law'; no Regulation of the Tariff Regulations could be read in isolation; and the cumulative effect of the whole Regulations, scheme and purpose of the Regulations, should be considered.

This Tribunal expressed its inability to accept the contentions of the appellant that the work relating to ash pond or ash handling system was to augment dry fly ash extraction and evacuation which formed part of the original scope of the work, the execution of which was started before the cut off date, but the work could be completed and capitalized only after the cut off date due to reasons beyond their control; for exercising power under Regulation 9(2)(iii) of the 2009 Tariff Regulations, the capital expenditure incurred or projected to be incurred on deferred works relating to ash pond or ash handling system must relate to the original scope of the work after the cut off date, and only then the CERC may, in its discretion, admit the same, subject to prudence check; the said expenditure relating to ash pond or ash handling system was disallowed on the ground that it was required to be met from the special allowance admissible to generating stations towards renovation and modernization during life extension of the units/generating station; they were rejecting this contention of the appellant, that the capital expenditure for ash pond or ash handling system ought not to be disallowed on the ground that they are covered by the special allowance under Regulation 10(4) of the 2009 Tariff Regulations, for the reason that the expenditure of renovation & modernization were not part of the generating station/unit but were independent of the same; they could not also accept the contention that

special allowance, towards continuous and progressive maintenance, did not include expenditure required for installation of new assets such as ash pond and associated works; as per Regulation 9(2)(iii) of the 2009 Tariff Regulations, no additional capitalization can be granted except under the three conditions mentioned therein, and any new work cannot be capitalized; the three conditions mentioned in the said provision were firstly the liability to meet the award of arbitration or for compliance of the order or decree of a Court, secondly change in law and thirdly deferred works relating to ash pond or ash handling system in the original scope of work; the CERC had rightly held that the expenditure, incurred by the appellant on ash pond or ash handling system, could be met by special allowance under Regulation 10(4) of the 2009 Tariff Regulations; under Regulation 10 of the 2009 Tariff Regulations, dealing with Renovation & Modernization, an option was granted to the generating company either to claim expenditure incurred on renovation & modernization or to opt alternatively for special allowance under Regulation 10(4) of the 2009 Tariff Regulations, to meet the expenditure including on renovation & modernization; once the appellant had exercised its option to claim special allowance, it could not then be allowed to claim capital expenditure incurred or projected to be incurred on deferred works relating to ash pond or ash handling system in the original scope of work under Regulation 9(2)(iii) of the 2009 Tariff Regulations; there was no provision for renovation and modernization before completion of the useful life of the generating station in the 2009 Tariff Regulations; and expenses, if any, of such nature could be met from the compensation allowance under Regulation 19(e) of the 2009 Tariff Regulations.

This Tribunal also opined that Regulation 9(2)(vii) of the 2009 Tariff Regulations, showed that the capital expenditure, incurred or projected to be incurred, may be admitted by the CERC, in its discretion subject to

prudence check, if the capital expenditure was found justified after prudence check necessitated on account of modifications required or done in fuel receipt system arising due to non-materialization of fuel coal linkage as a result of circumstances not within the control of the generating station.

In **NTPC vs. Central Electricity Regulatory Commission &Ors., (judgment in Appeal No. 44 of 2012 dated 27.1.2014),** this Tribunal, while interpreting the 2009 Tariff Regulations, observed that Regulation 9 was a substantive Regulation for additional capitalization both for the existing projects and also for new projects; regarding capital cost, Regulation 7 covered both existing as well as new power projects; Regulation 7(1) stipulated that the capital cost of a project would include expenditure incurred or projected to be incurred up to the COD, capitalized initial spares subject to the specified ceiling and additional capital expenditure determined under Regulation 9; this would apply to existing projects which achieved COD before 1.4.2009, and new projects which attained COD on or after 1.4.2009; Regulation 7(2) also applied to both existing and new projects; the 1st and 2nd proviso to Regulation 7(2) dealt with prudence check of capital cost; the 7th proviso dealt with the ceiling of determination of tariff on the basis of provision in power purchase agreement or transmission service agreement; the last proviso only indicated that, in case of existing projects, the capital cost admitted by the CERC prior to 1.4.2009, duly trued up by excluding un-discharged liabilities, and the additional capital expenditure projected to be incurred for the respective year of the tariff period 2009-14, as may be admitted by the Commission, shall form the basis for determination of tariff; the last proviso did not say that any additional capital expenditure, incurred or projected to be incurred by the generating company in the existing power stations for successful and efficient plant operation, could be permitted;

the capital cost, as defined in Regulation 7(1), did not include additional capital expenditure for existing projects as determined under the last proviso to Regulation 7 (2); the definition of capital cost only included capital cost up to the COD as admitted by the CERC, capitalized initial spares and additional capital expenditure determined under Regulation 9; and, thus, additional capitalization, even in case of an existing power station, could be considered by the CERC only as per the provisions of Regulation 9.

This Tribunal found no merit in the contention that additional capitalization had to be allowed for existing power stations as per the last proviso to Regulation 7(2), and Regulation 9 regarding additional capitalization only pertained to new power projects and did not deal with existing projects except to the limited extent provided in Regulation 9(2). This Tribunal was of the view that additional capitalization, in the case of existing power projects whose cut-off date was achieved after 1.4.2009, and new power projects within the original scope of the work, had to be admitted by the CERC subject to prudence check under Regulation 9(1); similarly capital expenditure, after the cut-off date for both existing power stations and new projects, had to be decided by the CERC according to Regulation 9(2); there was nothing in Regulations 7 & 9 which indicated that Regulation 9 was generally applicable only to new projects; and the last proviso to Regulation 7(2) would be applicable to existing projects for deciding additional capitalization.

This Tribunal expressed its inability to accept the contention that Regulation 9 did not specify that, besides Regulation 9(1) and (2), no other additional capitalization shall be admissible or that, even in terms of Regulation 5 and 6, there was no limitation of additional capitalization being limited only to Regulation 9 and not covering any other aspect, as Regulation 9 was a substantive provision for additional capitalization;

Regulation 7(1) clearly indicated that the capital cost would include the capital expenditure incurred or projected to be incurred up to the CoD, capitalized initial spares subject to the specified ceiling and additional capital expenditure determined under Regulation 9; there was no other component of additional capitalization, other than that provided for in Regulation 9, which had to be included in the capital cost as per Regulation 7(1); the explanation given in the Statement of Reasons for the 2009 Tariff Regulations, and the Statement of Reasons for amendment dated 21.6.2011, clearly indicated that the CERC had not agreed to provide for additional capital expenditure on new works not within the original scope and expenditure on minor assets, but instead provided for compensation allowance under Regulation 19(e); Regulation 5 and 6 provided for an application to be made by the generating company for determination of tariff, including the claim for additional capital expenditure and truing up of capital expenditure including the additional capital expenditure up to 31.3.2014 in the next tariff period; these Regulations did not provide for how additional capitalization would be allowed; and how additional capitalization had to be admitted by the CERC was specified only under Regulation 9.

This Tribunal also held that sub-clause (a) of Regulation 19 specified the normative O&M expenses for coal based generating stations given in terms of Rs. lakh/MW; the norms for O&M expenses were not based on a percentage of the capital cost; sub-clause (b) of Regulation 19 provided for O&M expenses allowed for certain old thermal power projects of NTPC and DVC; the compensation allowance, provided in Regulation 19(e), was to meet the expenses on new assets of a capital nature; and, therefore, there was no merit in the contention of NTPC for inclusion of compensation allowance in normative O&M expenses for computing the working capital requirement.

In its judgment, in **NTPC Limited Vs. Central Electricity Regulatory Commission & Ors (Appeal No. 188 of 2013 dated 11th April 2014),** this Tribunal affirmed the view expressed by it in its earlier judgment in **NTPC vs. Central Electricity Regulatory Commission & Ors** (Appeal No. 44 of 2012 dated 27.01.2014), regarding additional capitalization.

Since several provisions of the 2014 Regulations, including Regulation 14(3) and its provisos, have undergone a substantial change from the earlier 2009 Regulations, the judgement of this Tribunal, in **NTPC Ltd vs CERC & others (Order in Appeal No.129 of 2012 & batch dated 12.05.2015),** which is based on the interpretation placed on the provisions of the 2009 Regulations, would not constitute a precedent binding on the subsequent Bench which had, in passing the judgement in **NTPC Ltd vs Chairperson CERC & others (Order in Appeal No. 25 of 2017 dated 01.12.2022)**, interpreted the 2014 Regulations.

(iii). JUDGEMENT RELIED ON BEHALF OF THE APPELLANT:

In **'*Haryana Financial Corporation & Anr. v. Jagdamba Oil Mills & Anr'*. (2002) 3 SCC 496,** the Supreme Court observed:-

"19. Courts should not place reliance on decisions without discussing as to how the factual situation fits in with the fact situation of the decision on which reliance is placed. Observations of courts are not to be read as Euclid's theorems nor as provisions of the statute. These observations must be read in the context in which they appear. Judgments of courts are not to be construed as statutes. To interpret words, phrases and provisions of a statute, it may become necessary for Judges to embark upon lengthy discussions but the discussion is meant to explain and not to define*. Judges interpret statutes, they do not interpret judgments. They interpret words of statutes, their words are not to be interpreted as statutes. In London Graving Dock Co. Ltd. v. Horton'z. (at p. 761) Lord MacDermot observed : (All ER p. 14C-D)*

"The matter cannot, of course, be settled merely by treating the ipsissima verba of Willes, J., as though they were part of an Act of Parliament and applying the rules of interpretation appropriate thereto. This is not to detract from the great weight to be given to the language actually used by that most distinguished Judge."

….

21. Circumstantial flexibility, one additional or different fact may make a world of difference between conclusions in two cases. Disposal of cases by blindly placing reliance on a decision is not proper……."

[Emphasis Supplied]

(iv). A JUDGMENT IS ONLY AN AUTHORITY FOR WHAT IT DECIDES:

A decision of a court (or Tribunal) is only an authority for what it decides and not what can logically be deduced therefrom. It cannot be quoted for a proposition that may seem to follow logically from it. It is not a profitable task to extract a sentence here and there from a judgment and to build upon it. (**Quinn v. Leathern, [1901] AC 495; State of Orissa v. Sudhansu Sekhar Misra, AIR 1968 SC 647; Delhi Administration (NCT of Delhi) v. Manohar Lal, (2002) 7 SCC 222; Dr. Nalini Mahajan v. Director of Income-tax (Investigation), [2002] 257 ITR 123 Delhi) and Bhavnagar University v. Palitana Sugar Mill P. Ltd., (2003) 2 SCC 111; B.F. Ditia v. Appropriate Authority, Income-Tax Department, 2008 SCC OnLine AP 904).** A word here or a word there should not be made the basis for inferring inconsistency or conflict of opinion. Law does not develop in a casual manner. It develops by conscious, considered steps. **(SKCC Bank Limited v. N Seetharama Raju, 1990 SCC OnLine AP 32).**

Observations of Courts are neither to be read as Euclid's theorems nor as provisions of a statute, and that too taken out of their context.

(**Amar Nath Om Prakash v. State of Punjab(1985) 1 SCC 345; CCE v. Alnoori Tobacco Products: (2004) 6 SCC 186; London Graving Dock Co. Ltd. v. Horton; 1951 AC 737; Home Office v. Dorset Yacht Co. (1970) 2 ALL.ER 294; Shepherd Homes Ltd. v. Sandham: 1971 (1) WLR 1062; British Railways Board v. Herrington 1972 (2) WLR 537**). What is of the essence in a decision is its ratio and not every observation found therein. It is the rule deducible from the application of law to the facts and circumstances of the case which constitutes its ratio decidendi. (**Union of India v. Dhanwanti Devi: (1996) 6 SCC 44; State of Orissa v. Mohd. Illiyas: (2006) 1 SCC 275; ICICI Bank v. Municipal Corpn. of Greater Bombay: (2005) 6 SCC 404; Girnar Traders v. State of Maharashtra(2007) 7 SCC 555; ADM,Jabalpur v. Shivakant Shukla: (1976) 2 SCC 521; Quinn v. Leathem: 1901 AC 495 : (1900-03) All ER Rep. 1 (HL); State of Orissa v. Sudhansu Sekhar Misra: (AIR 1968 SC 647; T. Sharath v. Govt. of A.P., 2013 SCC OnLine AP 324).**

It is not everything said by a Judge, while giving judgment, that constitutes a precedent. The only thing in a Judge's decision which is binding is the principle upon which the case is decided. The enunciation of the reason or principle on which a question before a court has been decided is alone binding as a precedent. (**Union of India v. Dhanwanti Devi (1996) 6 SCC 44; State of Orissa v. Mohd. Illiyas (2006) 1 SCC 275; ICICI Bank v. Municipal Corpn. of Greater Bombay (2005) 6 SCC 404; State of Orissa v. Sudhansu Sekhar Misra AIR 1968 SC 647; Quinn v. Leathem (1901) AC 495; Rachakonda Nagaiah v. Govt. of A.P., 2012 SCC OnLine AP 447).** A deliberate judicial decision arrived at after hearing an argument on a question which arises in the case, or is put in issue, would constitute a precedent. It is the rule deductible

from the application of law to the facts and circumstances of the case which constitutes its ratio decidendi. (**Union of India v. Dhanwanti Devi (1996) 6 SCC 44; State of Orissa v. Mohd. Illiyas (2006) 1 SCC 275; ICICI Bank v. Municipal Corpn. of Greater Bombay (2005) 6 SCC 404; State of Orissa v. Sudhansu Sekhar Misra AIR 1968 SC 647; Quinn v. Leathem (1901) AC 495; Rachakonda Nagaiah v. Govt. of A.P., 2012 SCC OnLine AP 447).**

Every judgment must be read as applicable to the particular facts proved, or assume to be proved, since the generality of the expressions which may be found there are not intended to be expositions of the whole law, but governed and qualified by the particular facts of the case in which such expressions are to be found. The case cannot be quoted for a preposition that may seem to follow logically from it. (**State of Orissa v. Sudhansu Sekhar Misra [AIR 1968 SC 647] : Quinn v. Loathem (1901) A.C. 495; Parshuram v. State of Uttarakhand, 2019 SCC OnLine Utt 1866).** What is binding is the ratio of the decision, and not any finding of fact. It is the principle found upon a reading of a judgment as a whole, in the light of the questions before the Court, that forms the ratio and not any particular word or sentence. (**Director of Settlements, A.P. v. M.R. Apparao (2002) 4 SCC 638)**.

An order of a court (or Tribunal) must be construed having regard to its text and context and, for this purpose, the judgment should be read in its entirety. The factual matrix, the issues involved and the context in which the observations were made are relevant. Observations in a judgment should not be read in isolation or out of context. A judgment should not be read as a statute. **(Goan Real Estate & Construction Ltd.**

v. Union of India, (2010) 5 SCC 388). No reliance should be placed on decisions without discussing as to how the factual situation fits in with the fact situation of the decision on which reliance is placed. Observations must be read in the context in which they appear to have been stated. Judges interpret statutes, they do not interpret judgments. They interpret words of statutes; their words are not to be interpreted as statutes. (**Hindustan Petroleum Corpn. Ltd. v. Dolly Das: (1999) 4 SCC 450; Bharat Petroleum Corporation Ltd v. N.R. Vairamani: (2004) 8 SCC 579; T. Sharath v. Govt. of A.P., 2013 SCC OnLine AP 324).**

As noted hereinabove, observations in a judgment should not be read in isolation or out of context. The factual matrix, the issues involved and the context in which the observations, in the Order in Appeal No.129 of 2012 & batch dated 12.05.2015, were made are relevant in deciding whether this Tribunal had, in its subsequent Order in Appeal No. 25 of 2017 dated 01.12.2022, taken a different view on the same set of facts, ignoring a binding precedent. Both the 2009 and the 2014 Tariff Regulations are statutory in character and have the force of law. The changes brought about in the 2014 Tariff Regulations, from the earlier 2009 Tariff Regulations, has resulted in a significant change in the law governing the field. The judgement rendered in the context of an earlier law, would not constitute a precedent binding on a later co-ordinate bench which is called upon to examine the claims made in terms of the subsequent law, both of which are not in pari-materia.

As the aforesaid two judgements were based on an interpretation of two different sets of Regulations, which were not identical to each other, this Tribunal cannot be said to have taken two different views in two different judgments, necessitating the matter having to be referred to a larger bench.

XVII. ORDERS OF THE CERC PERMITTING ADDITIONAL CAPITALISATION UNDER REGULATION 14(3), OR UNDER REGULATIONS SIMILAR THERETO: ITS RELEVANCE:

It is contended, on behalf of the appellant, that the contention of the Respondents that, since no capital cost can be revised as per Regulation 16, Regulation 14(3) cannot be invoked, is untenable; and even the CERC has permitted Additional Capital Expenditure for Projects opting for Special Allowance. Reference is made in this regard to (a) Order dated 20.07.2018 in Petition No. 98/MP/2017 filed by the appellant seeking in-principle approval of the projected cost to be incurred to meet Revised Emission Norms as per MoEF&CC Notification dated 07.12.2015 under Regulation 14(3)(ii) of the 2014 Tariff Regulations; (b) Order of the CERC dated 30.06.2017 in 23/RP/2016; (c) in its recent True Up/ Determination Tariff Orders, issued for the various Thermal Power Plants of the appellant, the CERC allowed Additional Capital Expenditure for the FY 2014-19 and FY 2019-24, despite the said TPPs availing Special Allowance, and the said Orders of the CERC are (i) Order Dated 28.11.2022 passed in Petition No. 191/GT/2020 for Singrauli Super Thermal Power Station***;*** (ii) Order dated 11.01.2022 passed in Petition No. 297/GT/2020 for Vindhyachal Super Thermal Power Station, Stage-I; and, as the CERC has itself allowed the claims of Additional Capital Expenditure of the Generators, despite their availing Special Allowance, a similar benefit must be extended in these appeals also.

It is submitted, on behalf of the Respondents, that the CERC has subsequently incorporated an additional Regulation, under the heading Additional Capitalization on account of revised emission standards, under Regulation 29 of the Tariff Regulation, 2019; Additional Capitalization, under Regulation 29 is entirely different from Additional Capitalization

under Regulation 26 of Tariff Regulations, 2019; and the CERC has consistently not permitted Special Allowance under Regulation 26 of Tariff Regulations, 2019.

While reliance is placed, on behalf of the Appellant, on the subsequent orders of the CERC to contend that a different view has been taken therein, and the claim for additional capitalization under Regulation 14(3) or under provisions similar thereto have been admitted for determination of tariff, the contention urged on behalf of the Respondents is that the circumstances under which it was passed, including on account of the revised emission standards, are completely different; such Orders have no application to the facts and circumstances of the present batch of appeals; and, therefore, these orders passed by the CERC cannot be relied upon.

The orders of the CERC, relied upon on behalf of the appellant, can, at best, be examined in appellate proceedings to ascertain whether the CERC has been consistent in passing orders involving similar issues, and nothing more. Since this Tribunal exercises appellate jurisdiction over orders passed by the CERC, and as the possibility of these orders of the CERC being subjected to challenge by way of appeals cannot be ruled out, it would be wholly inappropriate for us to express any opinion on the observations made, and the conclusions arrived at, by the CERC in the Orders which do not form part of these batch of appeals.

In the light of our analysis of the various provisions of the 2014 Regulations, and the conclusions we have arrived at as a result, it is unnecessary for us, in the present batch of appeals, even to examine whether or not the other orders of the CERC, when compared to the orders impugned in the present appeals, show a lack of consistency. Suffice it to make it clear that we have not expressed any opinion on the

merits of the orders of the CERC referred to and relied upon on behalf of the Appellant under this head.

XVIII. USEFUL LIFE OF APPELLANT'S GENERATION PLANTS HAVE NOT BEEN EXTENDED BY THE CERC:

It is submitted, on behalf of the Respondents, that the scheme of Tariff Determination provides for complete recovery of the Fixed Charges of a Generator from COD up to its useful life i.e., 25 years or during the extended life in the event of the Generator opting for R&M under Regulation 15; a combined reading, of the relevant definitions and Regulation 27, clearly indicate that the useful life of an existing Generation Station is 25 years; Capital Cost recovery and Depreciation is spread over 25 years, [3(67) (a)]; there is no provision of revision of Tariff beyond 25 years in the Tariff Regulations, except under Regulation 15, which provides for extension of the useful life of a Generating Station beyond 25 years; Regulation 3(24) of the 2014 Tariff Regulation provides for extended life; the mere fact that a Generation Station exists beyond 25 years, without extension of life, does not entitle it to any Revision of Tariff under Regulation 14(3); in the present case, the Generating Station has been declared under commercial operation on a date prior to 01.04.2014, and is an existing Generating Station. [Regulation 3 (46) & 3 (22)]; the useful life of the existing Generating Station is 25 years. [3(67)(a)]; the existing Generating Station has completed its useful life of 25 years; the CERC, in the exercise of its regulatory power, can extend the useful life of the said Generating Station beyond 25 years on a case-to-case basis. [Second Proviso to 3(67)]; the existing Generating Station did not apply for extension of useful life; the useful life of the existing Generating Station was not extended; and the existing Generating Station has no extended life. [3(24)].

As noted hereinabove, Regulation 3(67)(a) of the 2014 Regulations defines “useful life”, in relation to a unit of a coal/lignite based thermal generating station, to mean 25 years. Regulation 3(24) defines “extended life” to mean the life of a generation station or a unit thereof beyond the period of useful life, as may be determined by the Commission on a case to case basis. In the light of the afore-said definitions, the useful life of a generating station of 25 years can be extended, for a further period beyond 25 years, only by the CERC on a case to case basis. In short, the determination exercise, required to be undertaken by the CERC for extension of the useful life, must be thermal generation station specific. The CERC is required to consider, with respect to each individual generating station, whether its useful life should be extended beyond 25 years or not. Such an exercise would involve examination, among several other factors, the quality of the equipment in the said thermal generating station, the necessity for its useful life to be extended to meet consumers’ demand for cheap availability of power, the cost of power generated by these units etc. It is only after the CERC decides to extend the useful life of the generation station, would it then be required to determine the period for which life extension should be granted to the subject generating station, and then determine whether additional capitalization, claimed under Regulation 14(3), specifically falls within any one or more of the clauses thereunder. It is only if it is so satisfied, would the CERC then be required to determine the extent to which depreciation should be permitted on such capital expenditure, bearing in mind the requirements of Section 61(d) of the Electricity Act to protect the interests of consumers, and to avoid giving them a tariff shock.

XIX. CONCLUSION:

For the reasons afore-mentioned, we are satisfied that the CERC was not justified in denying the Appellant, the benefit of additional

capitalization under Regulation 14(3), solely on the ground that they had opted for, and were extended the benefit of, Special Allowance under Regulation 16(1). The Appellant would be entitled to claim additional capitalization under Regulation 14(3), notwithstanding their having claimed and received Special Allowance under Regulation 16(1), provided they have not claimed the benefit of both Regulations 14(3) and 16(1) for the same items of capital expenditure.

The orders under appeal are, accordingly, set aside. The Appellant's entitlement to be extended additional capitalization, under clauses (ii), (iii) and (iv) of Regulation 14(3) of the 2014 Regulations, shall be examined by the CERC afresh, after determining whether the useful life of the Appellant's generating stations should be extended and, if so, the period for which such extension should be granted. The matter is remanded to the CERC for its consideration afresh in the light of our opinion in this batch of appeals.

The appeals are, accordingly, disposed of.

Pronounced in the open court on this the **28th day of August, 2023**.

(Sandesh Kumar Sharma)
Technical Member

(Justice Ramesh Ranganathan)
Chairperson

REPORTABLE / ~~NON-REPORTABLE~~
tpd/mk

BALANCE SHEET FOR FY 2019-20

एनटीपीसी NTPC
A Maharatna Company

FARAKKA SUPER THERMAL POWER STATION

BALANCE SHEET (Amount in ₹)

	As at	Note	31.03.2020	31.03.2019
001	**ASSETS**		0.00	0.00
002			0.00	0.00
003	**Non-Current Assets**		0.00	0.00
004	Property, plant and equipment	2	27,836,232,210.88	27,761,175,716.11
005	Capital-Work-in-Progress	3	4,442,198,049.86	3,902,914,993.46
006	Intangible Assets	4	73,360.55	125,184.88
007	Intangible Assets under Development	5	0.00	0.00
008	Investments in Subsidiaries and Joint Ventures	6	0.00	0.00
009	**Financial Assets**		0.00	0.00
010	i) Investments	7	5,000.00	5,000.00
011	ii) Trade receivables	8	0.00	0.00
012	iii) Loans	9	106,271,625.88	114,903,599.22
013	iv) Other financial assets	10	0.00	0.00
014	Other non-current assets	11	635,472,051.47	207,851,902.15
015	**Total non-current assets**		33,020,252,298.64	31,986,976,377.82
016			0.00	0.00
017	**Current Assets**		0.00	0.00
018	Inventories	12	6,257,294,839.99	4,405,791,626.61
019	**Financial assets**		0.00	0.00
020	i) Investments	13	0.00	0.00
021	ii) Trade receivables	14	394,212,870.54	456,561,353.86
022	iii) Cash and cash equivalents	15	35,502.25	929,009.89
023	iv) Bank balances other than cash and cash equivalents	16	0.00	0.00
024	v) Loans	17	96,949,595.07	94,076,278.09
025	vi) Other financial assets	18	4,868,055.92	2,462,485.39
026			0.00	0.00
027	Other Current Assets	19	27,569,192,114.39	22,322,037,176.06
028			0.00	0.00
029			0.00	0.00
030	**Total Current Assets**		34,322,552,978.16	27,281,857,929.90
031	Regulatory deferral account debit balances	20	2,730,661,311.48	537,860,307.31
032	**TOTAL ASSETS**		70,073,466,588.28	59,806,694,615.03
034	**EQUITY AND LIABILITIES**		0.00	0.00
035	**Equity**		0.00	0.00
036	Equity Share capital	21	0.00	0.00
037	Other equity	22	79,067,595,527.63	74,186,778,057.73
040	**Total equity**		79,067,595,527.63	74,186,778,057.73
041			0.00	0.00
042	**Liabilities**		0.00	0.00
043	**Non-Current Liabilities**		0.00	0.00
044	**Financial liabilities**		0.00	0.00
045	i) Borrowings	23	240,670,765.90	523,871,139.78

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एनटीपीसी NTPC
A Maharatna Company

FARAKKA SUPER THERMAL POWER STATION

BALANCE SHEET

(Amount in ₹)

	As at	Note	31.03.2020	31.03.2019
046	**ii) Trade payables**		**0.00**	**0.00**
047	- Total outstanding dues of micro and small enterprises	24	1,078,058.17	7,755,955.74
048	- Total outstanding dues of creditors other than micro and small enterprises	24	2,519,637.14	2,566,341.43
049	iii) Other financial liabilities	25	2,997,261.54	7,217,046.92
050	Provisions	26	0.00	0.00
051	Deferred Tax Liabilities (net)	27	**0.00**	**0.00**
052	Other non-current liabilities	28	0.00	0.00
053			**0.00**	**0.00**
054	**Total non-current liabilities**		**247,265,722.75**	**541,410,483.87**
055			**0.00**	**0.00**
056	**Current Liabilities**		**0.00**	**0.00**
057	**Financial liabilities**		**0.00**	**0.00**
058	i) Borrowings	29	0.00	0.00
059	**ii) Trade Payables**		**0.00**	**0.00**
060	- Total outstanding dues of micro and small enterprises	30	372,979,710.08	322,373,903.62
061	- Total outstanding dues of creditors other than micro and small enterprises	30	12,362,676,269.72	8,698,169,857.57
062	iii) Other financial liabilities	31	2,304,263,041.70	1,816,631,757.42
063	Other current liabilities	32	583,437,275.92	558,231,712.77
064	Provisions	33	392,056,642.13	3,953,512,382.97
065	Current tax liabilities (net)	34	0.00	0.00
066			**0.00**	**0.00**
067	**Sub Total**		**16,015,412,939.55**	**15,348,919,614.35**
068			**0.00**	**0.00**
069	Deferred Revenue	35	-8,123,000.00	-24,963,000.00
070	Regulatory deferral account credit balances	36	0.00	0.00
071	Inter Unit Accounts		-25,248,684,601.65	-30,245,450,540.92
072			**0.00**	**0.00**
073	**TOTAL EQUITY AND LIABILITIES**		**70,073,466,588.28**	**59,806,694,615.03**
074	Significant Accounting Policies as per Note 1	1	0.00	0.00
075			**0.00**	**0.00**
076	The accompanying notes 1 to 44 form an integral part of these financial statements.		0.00	0.00
077			0.00	0.00
078			**0.00**	**0.00**

(Auditor Initial & Stamp)

(Head of Finance)
एस.पी.उपाध्याय / S.P. Upadhyay
महाप्रबंधक (वित्त एवं लेखा)
General Manager (F & A)
एनटीपीसी लि०, बाढ़ / NTPC Ltd., Barh

(Head of Unit)
डी. एस. जी. एस. एस. बाब्जी
D. S. G. S. S. BABJI
मुख्य महाप्रबंधक / Chief General Manager
एनटीपीसी लिमिटेड, फरक्का
NTPC Limited, Farakka

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एनटीपीसी NTPC
A Maharatna Company

FARAKKA SUPER THERMAL POWER STATION

STATEMENT OF PROFIT AND LOSS

(Amount in ₹)

	For the Year ended	Note	31.03.2020	31.03.2019
001	**Revenue**		**0.00**	**0.00**
002	Revenue from operations	37	50,177,323,357.43	46,148,344,775.11
003	Other income	38	3,955,169,269.69	308,224,933.19
005	**Total Revenue**		**54,132,492,627.12**	**46,457,569,708.30**
007	**Expenses**		**0.00**	**0.00**
008	Fuel including cost of captive coal	38A	39,014,252,818.26	34,897,776,563.20
009	Employee benefits expense	39	2,634,004,165.30	2,695,346,276.32
010	Electricity Purchased		0.00	0.00
011	Finance costs	40	678,030,359.02	703,312,745.11
012	Depreciation, amortization and impairment expense	41	2,603,348,537.45	2,383,120,793.43
013			0.00	0.00
014	Other expenses	42	5,453,321,014.87	7,008,479,264.32
015	CC expenses charge to revenue		738,246,690.06	654,843,538.03
016	Less: Unit expenses transferred to CC		0.00	0.00
017	**Total expenses**		**51,122,203,584.96**	**48,340,879,200.41**
020	**Profit before exceptional items & tax**		**3,010,289,042.16**	**116,690,507.89**
021	Exceptional items		0.00	0.00
024	**Profit before tax**		**3,010,289,042.16**	**116,690,507.89**
027	**Tax expense:**		**0.00**	**0.00**
028	Current tax		0.00	0.00
029	Deferred tax		0.00	0.00
030			0.00	0.00
031	Total Tax expense		0.00	0.00
032	**Profit for the period before regulatory deferral account balances**		**3,010,289,042.16**	**116,690,507.89**
033	**Movement in regulatory deferral account balances**		**0.00**	**0.00**
034	Regulatory deferred account - deferred		0.00	0.00
035	Others		2,192,801,004.17	83,091,277.23
036	Tax impact on Regulatory deferral account balances		0.00	0.00
037	**Movement in Regulatory deferrall account balances (Net of Tax)**		**2,192,801,004.17**	**83,091,277.23**
038	**Profit for the period/ year**		**5,203,090,046.33**	**199,781,785.12**
039	**Other comprehensive income**		**0.00**	**0.00**
040	**(A) Items that will not be reclassified to profit or loss**		**0.00**	**0.00**
041	- Net gains/(losses) on fair value of equity instruments through other comprehensive income		0.00	0.00
042	Income tax on above that will not be reclassified to profit or loss		0.00	0.00
043	- Net acturial gains/(losses) on defined benefit plans		-100,307,314.03	-8,376,547.48
044	Income tax on above that will not be		0.00	0.00

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एनटीपीसी NTPC
A Maharatna Company

FARAKKA SUPER THERMAL POWER STATION

STATEMENT OF PROFIT AND LOSS (Amount in ₹)

	For the Year ended	Note	31.03.2020	31.03.2019
	reclassified to profit or loss		0.00	0.00
048			-100,307,314.03	-8,376,547.48
049	Other comprehensive income for the year, net of income tax		0.00	0.00
050			5,102,782,732.30	191,405,237.64
051	Total Comprehensive Income for the year		0.00	0.00
065			0.00	0.00
066	Earnings per equity share:		0.00	0.00
067	Basic & Diluted		0.00	0.00
068	Significant Accounting Policies		0.00	0.00
069	Expenditure during construction period (Net)/Dev. of coal mines (net) 43 /43A		0.00	0.00
070	The accompanying notes 1 to 44 form an integral part of these financial statements.			

(Auditor Initial & Stamp)

(Head of Finance)

महाप्रबंधक (वित्त एवं सी.)
General Manager (F & A)
एनटीपीसी लि., कार्य / NTPC Ltd., Delhi

(Head of Unit)

डी. एस. जी. एस. एस. बाब्जी
D. S. G. S. S. BABJI
मुख्य महाप्रबंधक / Chief General Manager
एनटीपीसी लिमिटेड, फरक्का
NTPC Limited, Farakka

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FARAKKA SUPER THERMAL POWER STATION

OTHER COMPREHENSIVE INCOME **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
001		0.00	0.00
002	**Other comprehensive income**	**0.00**	**0.00**
003	**(A) Items that will not be reclassified to profit or loss**	**0.00**	**0.00**
004	- Net gains/(losses) on fair value of equity instruments through other comprehensive income	0.00	0.00
005	Income tax on above that will not be reclassified to profit or loss	0.00	0.00
006	- Net acturial gains/(losses) on defined benefit plans	-100,307,314.03	-8,376,547.48
007	Income tax on above that will not be reclassified to profit or loss	0.00	0.00
008		0.00	0.00
009	(B) Items that will be reclassified to profit or loss	0.00	0.00
010	Income tax relating to above items that will be reclassified to profit or loss	0.00	0.00
011		0.00	0.00
012	**Other comprehensive income for the year, net of income tax**	**-100,307,314.03**	**-8,376,547.48**
013		0.00	0.00
014	**Total comprehensive income for the year (A+B)**	**-100,307,314.03**	**-8,376,547.48**

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2020	Opening Depreciation As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2020	Net Block As At 31.03.2020	Net Block As At 31.03.2019
1 TANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Land : (including development expenses)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Freehold	342958006.00	0.00	1309231835.42	1652189841.42	0.00	0.00	0.00	0.00	1652189841.42	342958006.00
4 Right of Use	146204886.62	1896287.00	0.00	148101173.62	21209015.04	6834990.12	0.00	28044005.16	120057168.46	124995871.58
5 Submergence	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 CBA Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 Roads,bridges, culverts & helipads	322435942.02	0.00	0.00	322435942.02	56460523.03	14265417.99	0.00	70725941.02	251710001.00	265975419.00
8 Building :	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 Freehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Main plant	2231150022.06	0.00	0.00	2231150022.06	501583602.27	125395900.56	0.00	626979502.83	1604170519.23	1729566419.79
11 Others	1217013099.94	0.00	10294617.07	1227307717.01	193524728.45	48830622.72	0.00	242355351.17	984952365.84	1023488371.49
12 Right of Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Temporary erection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 Water Supply, drainage & sewerage system	145305604.70	0.00	0.00	145305604.70	35654652.70	9089144.22	0.00	44743796.92	100561807.78	109650952.00
15 Hydraulic works, barrages, dams, tunnels and power channel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 MGR track and signalling system	935176275.92	0.00	0.00	935176275.92	299085356.62	75913331.40	0.00	374998688.02	560177587.90	636090919.30
17 Railway siding	3166441.50	0.00	0.00	3166441.50	0.00	0.00	0.00	0.00	3166441.50	3166441.50
18 Earth dam reservoir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19 Plant and machinery(including associated civil works) Owned Asset	30693334081.29	1403739810.02	(213330454.35)	31883743436.96	8187979731.88	2394058862.83	(263468943.92)	10318569650.79	21565173786.17	22505354349.45

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2020	Opening Depreciation As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2020	Net Block As At 31.03.2020	Net Block As At 31.03.2019
20 Plant and machinery(including associated civil works) -Right of use Asset	857760000.00	0.00	0.00	857760000.00	188760000.00	47520000.00	0.00	236280000.00	621480000.00	669000000.00
21 Furniture and fixtures	124498493.41	15554996.04	(213515.04)	139839974.41	30655810.41	9780077.16	160677.35	40596564.92	99243409.49	93842685.80
22 Assets under 5 Km Scheme	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 Vehicles - Owned	3347568.49	1984760.00	(2016345.20)	3315983.29	1440049.28	356231.65	0.00	1796280.93	1519702.36	1907519.21
24 Vehicles - Leased	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Office equipment	56719601.97	31691948.80	6620973.11	95032523.88	23507122.24	9878991.78	1741996.19	35128110.21	59904413.67	33212479.73
26 EDP, WP machines and satcom equipment	65553666.53	2509860.00	(4895959.68)	63167566.85	35344217.99	13083297.30	(3343476.62)	45084038.67	18083528.18	30209448.54
27 Construction equipments	112121100.59	0.00	0.00	112121100.59	52085361.67	8473282.08	0.00	60558643.75	51562456.84	60035738.92
28 Electrical Installations	99114764.09	29168704.42	(1288560.00)	126994908.51	29417465.86	22561999.79	0.00	51979465.65	75015442.86	69697298.23
29 Communication equipments	28951966.79	15104000.00	(6086447.00)	37969519.79	12166335.37	2045157.86	(1448617.73)	12762875.50	25206644.29	16785631.42
30 Hospital equipments	26533810.57	211008.00	0.00	26744818.57	4571425.76	1412553.08	0.00	5983978.84	20760839.73	21962384.81
31 Laboratory and workshop equipments	31193904.20	0.00	0.00	31193904.20	7918120.01	1979530.03	0.00	9897650.04	21296254.16	23275784.19
32 Capital expenditure on assets not owned by the Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33 Assets of Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34 Less:Grants from Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2020	Opening Depreciation As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2020	Net Block As At 31.03.2020	Net Block As At 31.03.2019
35 Less: Recoverable from GOI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36 Assets for ash utilisation	4479551.00	0.00	0.00	4479551.00	0.00	0.00	0.00	0.00	4479551.00	4479551.00
37 (Less):-Adjusted from fly ash utilisation reserve fund	4479551.00	0.00	0.00	4479551.00	0.00	0.00	0.00	0.00	4479551.00	4479551.00
38 Site Restoration Cost	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Mining Properties	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total (Tangible)	37442539236.69	1501861374.28	1098316144.33	40042716755.30	9681363518.58	2791479390.57	(266358364.73)	12206484544.42	27836232210.88	27761175720.96
Grand Total Prev Year (Tangible)	35394655056.92	1937279762.49	110604417.28	37442539236.69	7055209975.91	2567685564.17	58467978.50	9681363518.58	27761175718.11	28339445083.86

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	Tangible As At: 31.03.2020	**Tangible As At: 31.03.2019**	**Tangible As At: 31.03.2020**	**Tangible As At: 31.03.2019**
Disposal of assets	(4152620.34)	(4655690.62)	(1266994.22)	(4315321.76)
Retirement of assets	(297237933.13)	(78691292.57)	(264620759.72)	(7556831.81)
Cost adjustments	92581727.09	5073900.77	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	1307124970.71	188877499.70	(470610.79)	70340132.07
Others	0.00	0.00	0.00	0.00
TOTAL	**1098316144.33**	**110604417.28**	**(266358364.73)**	**58467978.50**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet
Note-4 Non Current Assets- Intangible Assets
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2020	Opening Depreciation As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2020	Net Block As At 31.03.2020	Net Block As At 31.03.2019
INTANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 Right of Use- Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 -Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 -Software	895875.00	0.00	0.00	895875.00	770710.12	51804.33	0.00	822514.45	73360.55	125164.88
Grand Total (Intangible)	895875.00	0.00	0.00	895875.00	770710.12	51804.33	0.00	822514.45	73360.55	125164.88
Grand Total Prev Year (Intangible)	740462.00	155413.00	0.00	895875.00	717065.34	53644.78	0.00	770710.12	125164.88	23396.66

Note forming part of Balance Sheet
Note-4 Non Current Assets- Intangible Assets
Business Area :1024

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	InTangible As At: 31.03.2020	**InTangible As At: 31.03.2019**	**InTangible As At: 31.03.2020**	**InTangible As At: 31.03.2019**
Disposal of assets	0.00	0.00	0.00	0.00
Retirement of assets	0.00	0.00	0.00	0.00
Cost adjustments	0.00	0.00	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	0.00	0.00	0.00	0.00
Others	0.00	0.00	0.00	0.00
TOTAL	**0.00**	**0.00**	**0.00**	**0.00**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet
Note 3: Capital-Work-in-Progress
Business Area: FARAKKA SUPER THERMAL POWER STATION

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2019	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2020
	1	2	3	4	5	6
1	CAPITAL WORK-IN-PROGRESS					
2	Development of land					
3	Roads, bridges, culverts & helipads	655868783.11	26353768.17			682222551.28
4	Piling and foundation					
5	Buildings :					
6	Main plant		245944.28	(245944.28)		
7	Others		12518904.09	(12518904.09)		
8	Temporary erection					
9	Water supply, drainage and sewerage system					
10	Hydraulic works, barrages, dams, tunnels and power channel					
11	MGR track and signalling system					
12	Railway siding					
13	Earth dam reservoir					
14	Plant and equipment	3415495628.62	1519063547.39	(49264070.04)	948402247.89	3936892858.08
15	Furniture and fixtures	581999.52	566836.00	(581999.52)		566836.00
16	Vehicles					
17	Office equipment		502445.60			502445.60
18	EDP/WP machines & satcom equipment	15162787.00	4303682.00		19466469.00	
19	Construction equipments					
20	Electrical installations	30600915.61	55153582.36	(129222.08)		85625275.89
21	Communication equipment					
22	Hospital equipments	123107.80		0.20	123108.00	
23	Laboratory and workshop equipments					
24	Assets under 5Km Scheme of the GOI					
25	Capital expenditure on assets not owned by the company					
26	Expenditure towards development of coal mines					
27	Survey,Investigation,Consultancy & Supervision Cha	19903512.70	8360725.20			28264237.90
28	Difference in exchange on foreign currency loans	(3720863.92)	3720863.92			

Note forming part of Balance Sheet
Note 3: Capital-Work-in-Progress
Business Area: FARAKKA SUPER THERMAL POWER STATION

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2019	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2020
	1	2	3	4	5	6
29	Expenditure towards diversion of forest land					
30	Pre-commissioning expenses (net)					
31	ExpPendAlloca-oth ex attribut Project					
32	Expenditure During Construction Period (net)*	307084818.32	182455514.17			489540332.49
33	LESS : Allocated to related works		144516061.64			144516061.64
34	LESS : Provision for Unservicable works	722118173.93	61809401.08			783927575.01
35	**Construction stores (At Cost)**					
36	Steel	73814742.24		(11972075.17)		61842667.07
37	Cement	6786681.68		(1053625.36)		5733056.32
38	Others	103331054.71	33381986.12	(57261614.95)		79451425.88
39	**Sub-total**	**183932478.63**	**33381986.12**	**(70287315.48)**		**147027149.27**
40	LESS : Provision for shortages					
41	**Sub-total**	**183932478.63**	**33381986.12**	**(70287315.48)**		**147027149.27**
42	**Total CWIP**	**3902914993.46**	**1640302336.58**	**(133027455.29)**	**967991824.89**	**4442198049.86**
43						
44						
45	**PREVIOUS YEAR TOTAL**	**3555622867.92**	**1756504016.07**	**(1049888533.30)**	**366963084.16**	**3902914993.46**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet

(Amount in Rupees)

Note 5: Intangible Assets under Development

Business Area: FARAKKA SUPER THERMAL POWER STATION

Sl No	Asset Class	As At 01.04.2019	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2020
	1	2	3	4	5	6
1	INTANGIBLE ASSETS UNDER DEVELOPMENT					
2	Software					
3	Right to use Others					
4	Exploration and Evaluation Expentiture - Coal Mini					
5	Exploratory wells-in-progress					
6	**Less: Provision for exploratory wells-in-progress**					
7	**Total**					
8	**PREVIOUS YEAR TOTAL-I**					

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES **(Amount in ₹)**

	As at	No. of shares	Face value	31.03.2020	31.03.2019
001	**NON CURRENT INVESTMENTS-Investments in subsidiaries and joint ventures**			**0.00**	**0.00**
012	**Equity Instruments - Unquoted-(fully paid up unless otherwise stated, at cost)**			**0.00**	**0.00**
013	**Subsidiary Companies**			**0.00**	**0.00**
014	Patratu Vidyut Utpadan Nigam Ltd.			0.00	0.00
015	NTPC Electric Supply Company Ltd.			0.00	0.00
016	NTPC Vidyut Vyapar Nigam Ltd.			0.00	0.00
017	Nabinagar Power Generating Company Ltd.			0.00	0.00
018	Kanti Bijlee Utpadan Nigam Ltd.			0.00	0.00
019	Bhartiya Rail Bijlee Company Ltd.			0.00	0.00
020	NTPC Mining Ltd (NML)			0.00	0.00
021	THDC India Ltd.			0.00	0.00
022	NEEPCO LTD.			0.00	0.00
023				0.00	0.00
024				0.00	0.00
025				0.00	0.00
026				0.00	0.00
027				0.00	0.00
028				0.00	0.00
029				0.00	0.00
030	**Sub Total**			**0.00**	**0.00**
055	**Joint Venture Companies**			**0.00**	**0.00**
056	Utility Powertech Ltd.			0.00	0.00
057	NTPC GE Power Services Pvt.Ltd.			0.00	0.00
058	NTPC-SAIL Power Company Ltd.			0.00	0.00
059	NTPC-Tamil Nadu Energy Company Ltd.			0.00	0.00
060	Ratnagiri Gas & Power Private Ltd.			0.00	0.00

NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES **(Amount in ₹)**

	As at	No. of shares	Face value	31.03.2020	31.03.2019
061	Aravali Power Company Private Ltd.			0.00	0.00
062				0.00	0.00
063	NTPC BHEL Power Projects Private Ltd.			0.00	0.00
064	Meja Urja Nigam Private Limited			0.00	0.00
065	BF-NTPC Energy Systems Ltd.			0.00	0.00
066				0.00	0.00
067	Nabinagar Power Generating Company Ltd.			0.00	0.00
068	Transformer and Electrical Kerala Ltd.			0.00	0.00
069	National High Power Test Labortory Private Ltd.			0.00	0.00
070				0.00	0.00
071	CIL NTPC Urja Private Ltd.			0.00	0.00
072	Anushakti Vidhyut Nigam Ltd.			0.00	0.00
073	Energy Efficiency Services Ltd.			0.00	0.00
074				0.00	0.00
075	Trincomalee Power Company Ltd.			0.00	0.00
076	Bangladesh-India Friendship Power Company (Pvt.) Ltd.			0.00	0.00
077	Hindustan Urvarak & Rasayan Limited			0.00	0.00
078	Konkan LNG Pvt. Ltd			0.00	0.00
079				0.00	0.00
081	**Sub Total**			**0.00**	**0.00**
109	Aggregate amount of impairment in the value of investments			0.00	0.00
110				0.00	0.00
111				0.00	0.00
134	Total			0.00	0.00
135	Details of Investments			0.00	0.00
136	Aggregate amount of Unquoted Investments			0.00	0.00
141				0.00	0.00

NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES **(Amount in ₹)**

	As at	No. of shares	Face value	31.03.2020	31.03.2019
142				0.00	0.00
143				0.00	0.00
144				0.00	0.00
145				0.00	0.00
153	Valuation of Investments as per Note 1.			0.00	0.00
154				0.00	0.00
202				0.00	0.00
233				0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 7 TO THE FS-NCA-INVESTMENTS **(Amount in ₹)**

	As at	No. of shares	Face value	31.03.2020	31.03.2019
001	Non-current financial assets (investments)			0.00	0.00
006	**Long Term - Trade**			**0.00**	**0.00**
007	**Equity Instruments (fully paid up-unless otherwise stated)**			**0.00**	**0.00**
008	**Quoted**			**0.00**	**0.00**
009	**Joint Venture Companies**			**0.00**	**0.00**
010	PTC India Ltd.			0.00	0.00
070	International Coal Ventures Private Ltd.			0.00	0.00
075	BF-NTPC Energy Systems Ltd.			0.00	0.00
098				0.00	0.00
110	Cooperative Societies			5,000.00	5,000.00
111	**Sub Total**			**5,000.00**	**5,000.00**
112	Aggregate amount of impairment in the value of investments			0.00	0.00
115	**Total**			**5,000.00**	**5,000.00**
120				0.00	0.00
146	NTPC Employees Consumers and Thrift Co-operative Society Ltd. Korba			0.00	0.00
147	NTPC Employees Consumers and Thrift Cooperative Society Ltd. RSTPP			0.00	0.00
148	NTPC Employees Consumers Cooperative Society Ltd. Farakka			0.00	0.00
149	NTPC Employees Consumers Cooperative Society Ltd. Vindhyachal			0.00	0.00
150	NTPC Employees Consumers Cooperative Society Ltd. Anta			0.00	0.00
151	NTPC Employees Consumers Cooperative Society Ltd. Kawas			0.00	0.00
152	NTPC Employees Consumers Cooperative Society Ltd. Kaniha			0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 8 TO THE FS-NCA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	Non-current financial assets - Trade receivables	0.00	0.00
002	Unsecured, considered good	0.00	0.00
003	With significant increase in Credit Risk	0.00	0.00
004	Credit impaired	0.00	0.00
005		0.00	0.00
006	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 9 TO THE FS-NCA-LOANS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**Loans (Non Current)**	**0.00**	**0.00**
004	Related Parties	0.00	0.00
005	Secured	0.00	0.00
006	Un-Secured	0.00	0.00
007	With significant increase in Credit Risk	0.00	0.00
008	Credit impaired	0.00	0.00
009		0.00	0.00
010	Employees(including accrued interest)	0.00	0.00
011	Secured	80,295,352.03	70,992,415.06
012	Unsecured	63,097,043.56	80,788,583.72
013	With significant increase in Credit Risk	0.00	0.00
014	Credit impaired	0.00	0.00
015	Less : Employee Loans Discounting	0.00	0.00
016	Secured	25,209,368.49	21,481,968.22
017	Unsecured	11,911,401.22	15,395,431.34
018	Loan to State Government in settlement of dues from customers (Unsecured)	0.00	0.00
019	Others	0.00	0.00
020	Secured	0.00	0.00
021	Unsecured	0.00	0.00
022	With significant increase in Credit Risk	0.00	0.00
023	Credit impaired	0.00	0.00
024	Less: Allowance for credit impaired loans	0.00	0.00
025	**Sub Total**	**106,271,625.88**	**114,903,599.22**
026		0.00	0.00
027	**Total**	**106,271,625.88**	**114,903,599.22**
028		0.00	0.00
029		0.00	0.00
030	**Due from Directors and Officers of the Company**	**0.00**	**0.00**
031	Directors	0.00	0.00
032	Officers	0.00	0.00
033		**0.00**	**0.00**
034	**Loans to related parties include:**	**0.00**	**0.00**
035	i)Key management personel	0.00	0.00
036	ii)Subsidiary companies	0.00	0.00
037	iii)Joint Venture companies	0.00	0.00
038	iv)Others	0.00	0.00
039		**0.00**	**0.00**
054	Other loans represent loans given to	0.00	0.00
055	a) APIIC	0.00	0.00
060		0.00	0.00
061	RPD	0.00	0.00
062	i)Key management personel	0.00	0.00
063	ii)Subsidiary companies	0.00	0.00
064	iii)Joint Venture companies	0.00	0.00
065	iv)Others	0.00	0.00

NOTE NO. 9 TO THE FS-NCA-LOANS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
066	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 10 TO THE FS-NCA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**Other Financial Assets (non current)**	**0.00**	**0.00**
002		0.00	0.00
003	**Share application money pending allotment in (Subsidiary Companies) :**	**0.00**	**0.00**
004	NTPC Electric Supply Company Ltd.	0.00	0.00
005	NTPC Vidyut Vyapar Nigam Ltd.	0.00	0.00
006	Nabinagar Power Generating Company Ltd.	0.00	0.00
007	Kanti Bijlee Utpadan Nigam Ltd.	0.00	0.00
008	Bhartiya Rail Bijlee Company Ltd.	0.00	0.00
009	Patratu Vidyut Utpadan Nigam Ltd.	0.00	0.00
010	NTPC Mining Limited	0.00	0.00
011	THDC Ltd.	0.00	0.00
012	NEEPCO Ltd	0.00	0.00
013		0.00	0.00
014	**Total**	**0.00**	**0.00**
015	**Share application money pending allotment (Joint Venture)**	**0.00**	**0.00**
016	Utility Powertech Ltd.	0.00	0.00
017	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
018	NTPC-SAIL Power Company Ltd.	0.00	0.00
019	NTPC-Tamil Nadu Energy Company Ltd.	0.00	0.00
020	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
021	Aravali Power Company Private Ltd.	0.00	0.00
022		0.00	0.00
023	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
024	Meja Urja Nigam Private Limited	0.00	0.00
025	BF-NTPC Energy Systems Ltd.	0.00	0.00
026	Anushakti Vidhyut Nigam Ltd.	0.00	0.00
027	Nabinagar Power Generating Company Ltd.	0.00	0.00
028	Energy Efficiency Services Ltd.	0.00	0.00
029	National High Power Test Labortory Private Ltd.	0.00	0.00
030		0.00	0.00
031	CIL NTPC Urja Private Ltd.	0.00	0.00
032	Trincomalee Power Company Ltd.	0.00	0.00
033	Hindustan Urvarak & Rasayan Limited	0.00	0.00
034	Bangladesh-India Friendship Power Company Private Ltd.	0.00	0.00
035	**Sub Total**	**0.00**	**0.00**
036		0.00	0.00
037	Claims Recoverable	0.00	0.00
038	Finance Lease Recoverable	0.00	0.00
039	Mine Closure Deposit	0.00	0.00
040		0.00	0.00
041	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**Other Non-current Assets**	**0.00**	**0.00**
002		**0.00**	**0.00**
003	**CAPITAL ADVANCES**	**0.00**	**0.00**
004	Secured	0.00	0.00
005	Unsecured	0.00	0.00
006	Covered by Bank Guarantee	124,601,470.41	111,178,996.27
007	Others	477,654,587.60	63,320,882.04
008	Considered doubtful	174,087,592.33	35,867,379.50
009	Less: Allowance for bad & doubtful advances	174,087,592.33	35,867,379.50
010	**Sub-Total**	**602,256,058.01**	**174,499,878.31**
011		0.00	0.00
012	Advances other than capital advances	0.00	0.00
013	Security deposits	1,934,000.00	1,934,000.00
019	Advances to Related parties	0.00	0.00
022	**Advances to Contractors & Suppliers**	**0.00**	**0.00**
023	Secured	0.00	0.00
024	Unsecured	1,125,700,000.00	0.00
025	Considered Doubtful	0.00	0.00
026	Less: Allowance for bad & doubtful advances	1,125,700,000.00	0.00
027	**Sub Total**	**1,934,000.00**	**1,934,000.00**
039	Advance tax & tax deducted at source	275,583.00	151,790.00
040	Less:- Provision for current tax	0.00	0.00
041		0.00	0.00
042	**Sub Total**	**275,583.00**	**151,790.00**
043	Deferred Payroll Expenses (Secured)	22,406,366.12	19,655,602.66
044	Deferred Payroll Expenses (Unsecured)	8,600,044.34	11,610,631.18
045	**Sub Total**	**31,006,410.46**	**31,266,233.84**
046	Deferred Foreign Currency Fluctuation Asset	0.00	0.00
048	**Total**	**635,472,051.47**	**207,851,902.15**
049		0.00	0.00
050		0.00	0.00
061	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
063		0.00	0.00
064	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
065		0.00	0.00
066	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
067	Aravali Power Company Private Ltd.	0.00	0.00
068	NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
069	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
070	Meja Urja Nigam Private Limited	0.00	0.00
071	Nabinagar Power Generating Company Ltd.	0.00	0.00
072	National High Power Test Labortory Private Ltd.	0.00	0.00
074	CIL NTPC Urja Private Ltd.	0.00	0.00
076		0.00	0.00
077	**Related Party (Adv)**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
078	Key Management personel	0.00	0.00
079	Subsidiary companies	0.00	0.00
080	Joint Venture companies	0.00	0.00
081	Contractors	0.00	0.00
082	Others	0.00	0.00
084		0.00	0.00
085	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 12 TO THE FS-CA-INVENTORIES **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**INVENTORIES**	**0.00**	**0.00**
002		**0.00**	**0.00**
003	Coal	2,992,058,695.35	1,219,780,856.46
004	Fuel oil	273,316,461.41	240,758,615.27
005	Naphtha	0.00	0.00
006	Stores and spares	2,390,555,988.43	2,381,836,949.27
007	Chemicals & consumables	150,793,916.22	146,514,886.67
008	Loose tools	13,868,385.69	13,123,816.84
009	Steel Scrap	700,676.19	743,165.92
010	Others*	766,340,566.01	737,345,999.55
011	**Sub Total**	**6,587,634,689.30**	**4,740,104,289.98**
012	Less: Provision for shortages	227,573,253.70	227,186,651.11
013	Less: Provision for obsolete/ unservicable/dimunition in value of surplus inventory	102,766,595.61	107,126,012.26
014		0.00	0.00
015	**Total**	**6,257,294,839.99**	**4,405,791,626.61**
016	**Inventories include material in transit**	**0.00**	**0.00**
017	Coal	187,772,087.19	164,404,451.32
018	Fuel oil	0.00	0.00
019	Naphtha	0.00	0.00
020	Stores and spares	31,463,326.50	33,692,803.05
021	Chemicals & consumables	93,260.50	93,260.50
022	Loose tools	0.00	0.00
023	Others	15,607,455.31	15,625,771.27
024		**0.00**	**0.00**
025	Inventory items other than steel scrap have been valued considering Note 1. Steel scrap has been valued at estimated realisable value.	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 13 TO THE FS-CA-INVESTMENTS **(Amount in ₹)**

	As at	No. of shares	Face value	31.03.2020	31.03.2019
001	**CURRENT INVESTMENTS**			**0.00**	**0.00**
002	**(Valuation as per Note 1)**			**0.00**	**0.00**
003				0.00	0.00
033	Investment in Mutual Funds (Details as under)			0.00	0.00
034	SBI-Magnum Insta Cash Fund-DDR			0.00	0.00
035	SBI Premier Liquid Fund Super-IP-DDR			0.00	0.00
036	SBI-SHF Ultra Short Term Fund-IP-DDR			0.00	0.00
037	UTI Money Market-IP-Direct-Growth			0.00	0.00
038	IDBI-Liquid plan- Direct-Growth			0.00	0.00
039	Canara Robeco Liquid Fund Super-IP-DDR			0.00	0.00
040	Canara Robeco Treasury Advantage Fund Super-IP-DDR			0.00	0.00
041	IDBI Liquid Fund-DDR			0.00	0.00
042	SBI Premier Liquid fund-Direct DDR (Ash Fund)			0.00	0.00
043	UTI Liquid CashPlan - IP - DDR (Ash Funds)			0.00	0.00
044	IDBI Liquid Fund - DDR - (Ash Funds)			0.00	0.00
045				0.00	0.00
046	**Sub Total**			**0.00**	**0.00**
047				**0.00**	**0.00**
052	**Unquoted Investments**			**0.00**	**0.00**
054				0.00	0.00
066	**TOTAL**			**0.00**	**0.00**
067				0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 14 TO THE FS-CA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**TRADE RECEIVABLES (current)***	**0.00**	**0.00**
002		0.00	0.00
003	Secured,Considered Good	0.00	0.00
004	Unsecured , considered good	394,212,870.54	456,561,353.86
005	With significant increase in Credit Risk	0.00	0.00
006	Credit impaired	0.00	0.00
007	**Sub-Total**	**394,212,870.54**	**456,561,353.86**
008	**Total**	**394,212,870.54**	**456,561,353.86**
009	Less: Allowance for credit impaired receivables	0.00	0.00
010	**Total**	**394,212,870.54**	**456,561,353.86**
011		**0.00**	**0.00**
013	* After adjustment for Unbilled Revenue	0.00	0.00
014	Long-term trade receivables	0.00	0.00
015		0.00	0.00
016		**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 15 TO THE FS-CA-CASH AND CASH EQUIVALENTS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**CASH & BANK BALANCES**	**0.00**	**0.00**
002	**Cash & Cash Equivalents**	**0.00**	**0.00**
003	Balances with Banks	33,617.25	907,124.89
004	Cheques & Drafts on hand	0.00	20,000.00
005	Cash on hand	0.00	0.00
006	Others (stamps in hand)	1,885.00	1,885.00
007	Bank deposits with original maturity upto three months	0.00	0.00
008	Balances with RBI	0.00	0.00
009		0.00	0.00
010	**Total**	**35,502.25**	**929,009.89**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 16 TO THE FS-CA-BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS (Amount in ₹)

	As at	31.03.2020	31.03.2019
001	**Other Bank Balances**	**0.00**	**0.00**
002	Deposits with original maturity of more than three months but not more than twelve months	0.00	0.00
003	Earmarked balances with banks*	0.00	0.00
004	**SubTotal**	**0.00**	**0.00**
005	Interest accrued on deposits	0.00	0.00
006		0.00	0.00
007	**Total**	**0.00**	**0.00**
008		0.00	0.00
009	**Earmarked balances with banks consist of :**	**0.00**	**0.00**
010	Unpaid dividend account balance	0.00	0.00
011	Towards public deposit repayment reserve	0.00	0.00
012	Towards redemption of bonds due for repayment within one year	0.00	0.00
013	Security with Government/other authorities	0.00	0.00
014	Unpaid refund/interest account balance - Tax free bonds/ Bonus Debentures	0.00	0.00
015	Earmarked for RGGVY/DDUGJY/SAUBHAGYA Fund	0.00	0.00
016	Earmarked for Flyash Utilisation Reserve Fund	0.00	0.00
017	Deposits with original maturity upto three months as per court orders	0.00	0.00
018	Payment Security Scheme of MNRE NSM (NTPC)	0.00	0.00
019	Payment Security Scheme of MNRE NSM (NVVN)	0.00	0.00
020	Enforcement Directorate of Solar Plant(NVVN)	0.00	0.00
021	Bank guarantee Fund of MNRE (NVVN)	0.00	0.00
022	Others	0.00	0.00
023		0.00	0.00
024	**Total**	**0.00**	**0.00**
025		0.00	0.00
026	Bank deposits with original maturity of less than three months- other than earmarked	0.00	0.00
027	Bank deposits with original maturity of more than three months but not more than twelve months- other than earmarked	0.00	0.00
028	Earmarked bank balances (current account)	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 17 TO THE FS-CA-LOANS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**Current financial assets - Loans**	**0.00**	**0.00**
002	**Loans (current)-including interest accrued**	**0.00**	**0.00**
004	**Related Parties**	**0.00**	**0.00**
005	Secured	0.00	0.00
006	Un-Secured	0.00	0.00
007	With significant increase in Credit Risk	0.00	0.00
008	Credit impaired	0.00	0.00
009		**0.00**	**0.00**
010	**Employees**	**0.00**	**0.00**
011	Secured	20,955,398.25	22,551,963.00
012	Unsecured	75,994,196.82	71,524,315.09
013	With significant increase in Credit Risk	0.00	0.00
014	Credit impaired	0.00	0.00
015	Less : Employee Loans Discounting	0.00	0.00
016	**Loan to State Government in settlement of dues from customers (Unsecured)**	**0.00**	**0.00**
017		0.00	0.00
018	**Others**	**0.00**	**0.00**
019	Secured	0.00	0.00
020	Unsecured	0.00	0.00
021	With significant increase in Credit Risk	0.00	0.00
022	Credit impaired	0.00	0.00
023		**0.00**	**0.00**
024	Less: Allowance for credit impaired loans	0.00	0.00
025	**Total (Loans)**	**96,949,595.07**	**94,076,278.09**
026		**0.00**	**0.00**
027	**Due from Directors and Officers of the Company**	**0.00**	**0.00**
028	Directors	0.00	0.00
029	Officers	0.00	0.00
030		**0.00**	**0.00**
031	**Loans to related parties include:**	**0.00**	**0.00**
032	i)Key management personel	0.00	0.00
033	ii)Subsidiary companies	0.00	0.00
034	KBUNL	0.00	0.00
035	PVUNL	0.00	0.00
036	NVVN	0.00	0.00
037	iii)Joint Venture companies	0.00	0.00
038	iv)others	0.00	0.00
039		0.00	0.00
059	RPD	0.00	0.00
060	i)Key management personel	0.00	0.00
061	ii)Subsidiary companies	0.00	0.00
062	iii)Joint Venture companies	0.00	0.00
063	iv)Others	0.00	0.00
064		0.00	0.00
065	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**Other Financial Assets (current)**	**0.00**	**0.00**
002		0.00	0.00
003	**ADVANCES**	**0.00**	**0.00**
004		**0.00**	**0.00**
005	**Related Parties**	**0.00**	**0.00**
006	Secured	0.00	0.00
007	Un-Secured	-6,271,153.46	-6,258,227.87
008	Considered doubtful	0.00	0.00
009		**0.00**	**0.00**
010	**Employees**	**0.00**	**0.00**
012	Unsecured	4,398,321.17	3,061,427.67
013	Considered Doubtful	100,553.00	100,553.00
014		**0.00**	**0.00**
020	**Others**	**0.00**	**0.00**
021	Secured	0.00	0.00
022	Unsecured	5,000,000.00	5,000,000.00
023	Considered Doubtful	0.00	0.00
024		**0.00**	**0.00**
025	Less: Allowance for bad & doubtful advances	100,553.00	100,553.00
026		**0.00**	**0.00**
033	**Total (Advances)**	**3,127,167.71**	**1,803,199.80**
044		**0.00**	**0.00**
045	**Claims Recoverable**	**0.00**	**0.00**
046	Secured	0.00	0.00
047	Unsecured, considered good	1,716,688.21	659,285.59
048	Considered Doubtful	0.00	0.00
049	Less:- Allowance for doubtful claims	0.00	0.00
050	Others-Claims Recoverable	0.00	0.00
051		**0.00**	**0.00**
052	Unbilled Revenue	0.00	0.00
053	Hedging cost recoverable from beneficiaries	0.00	0.00
054	Derivative MTM Asset	0.00	0.00
055	Finance Lease Receivable	0.00	0.00
056	Mine Closure Deposit	0.00	0.00
057	Others*	24,200.00	0.00
058	Receivable from MCP Escrow A/c	0.00	0.00
059	**Total**	**4,868,055.92**	**2,462,485.39**
060		0.00	0.00
062	* Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00
063		0.00	0.00
067		**0.00**	**0.00**
068	**Advances to related parties include:**	**0.00**	**0.00**
069	i)Key management personel	0.00	0.00
070	ii)Subsidiary companies	0.00	0.00
071	iii)Joint Venture companies	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
072	iv)Contractors	0.00	0.00
073	v)Others	0.00	0.00
074		**0.00**	**0.00**
075	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
076		**0.00**	**0.00**
077		0.00	0.00
078	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
079	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
080	Aravali Power Company Private Ltd.	0.00	0.00
081	NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
082	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
083	Meja Urja Nigam Private Limited	0.00	0.00
084	Nabinagar Power Generating Company Ltd.	0.00	0.00
085	National High Power Test Labortory Private Ltd.	0.00	0.00
086	International Coal Ventures Private Ltd.	0.00	0.00
087	CIL NTPC Urja Private Ltd.	0.00	0.00
089	Bangladesh-India Friendship Power Co. Pvt.Ltd	0.00	0.00
090		**0.00**	**0.00**
091	Related Party (Adv)- Employee	0.00	0.00
092	Related Party (Adv)- Subsidiaries	0.00	0.00
093	Related Party (Adv)- Joint Ventures	0.00	0.00
094	Related Party (Adv)- Contractors	0.00	0.00
095	Related Party (Adv)- Others	-6,271,153.46	-6,258,227.87
096	**Total**	**-6,271,153.46**	**-6,258,227.87**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**OTHER CURRENT ASSETS**	**0.00**	**0.00**
002	Security Deposits (Unsecured)	0.00	0.00
003	Deposit with Customs, port trust & others*	5,000,702,758.00	3,563,165,815.00
004	**ADVANCES**	**0.00**	**0.00**
005		**0.00**	**0.00**
006	**Related Parties**	**0.00**	**0.00**
007	Secured	0.00	0.00
008	Un-Secured	953,872,987.90	1,771,274,309.30
009	Considered doubtful	0.00	0.00
010		**0.00**	**0.00**
011	**Employees(including imprest)**	**0.00**	**0.00**
012	Secured	0.00	0.00
013	Unsecured	175,296.00	1,340,993.90
014	Considered Doubtful	0.00	0.00
015		**0.00**	**0.00**
016	**Contractors & Suppliers**	**0.00**	**0.00**
017	Secured	0.00	0.00
018	Unsecured	2,818,484,309.52	3,062,894,541.59
019	Considered Doubtful	64,233.00	64,233.00
020		0.00	0.00
021	**Others****	**0.00**	**0.00**
022	Secured	0.00	0.00
023	Unsecured	9,586,648.39	38,976,687.75
024	Considered Doubtful	0.00	0.00
025		**0.00**	**0.00**
026	Less: Allowance for bad & doubtful advances	64,233.00	64,233.00
027	Deferred Payroll Expenses (Secured)	3,742,738.56	3,779,960.64
028	Deferred Payroll Expenses (Unsecured)	5,205,368.75	5,839,819.71
029	**Sub-total**	**8,948,107.31**	**9,619,780.35**
030	**Interest accrued on :**	**0.00**	**0.00**
031	Advances to contractors	0.00	0.00
032		**0.00**	**0.00**
033	**Claims Recoverable**	**0.00**	**0.00**
034	Secured	0.00	0.00
035	Unsecured, considered good	18,775,600,306.69	13,865,534,384.21
036	Considered Doubtful	0.00	0.00
037	Less:- Allowance for doubtful claims	0.00	0.00
038		**0.00**	**0.00**
039	Deferred premium on forward exchange contract/ Option Assets	0.00	0.00
041	Assets Held for Disposal	0.00	0.00
042	Others	1,821,700.58	9,230,663.96
043		0.00	0.00
044	**Total (Other Current Assets)**	**27,569,192,114.39**	**22,322,037,176.06**
045	**Include Prepaid Expenses	9,586,648.39	38,976,687.75
046	*Includes sales tax/Entry tax/VAT deposited under protest with Sales Tax Authorities	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
047	*Includes deposited with courts	0.00	0.00
048	*Includes deposited with LIC for annuity payments	0.00	0.00
049	* Includes deposits with WRD / against BG in r/o finance lease	0.00	3,563,118,515.00
050	Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00
052	**Advances to related parties include:**	**0.00**	**0.00**
053	i)Key management personel	0.00	0.00
054	ii)Subsidiary companies	0.00	0.00
055	iii)Joint Venture companies	0.00	0.00
056	Contractors	0.00	0.00
057	Others	0.00	0.00
058		0.00	0.00
059	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
060		**0.00**	**0.00**
061		0.00	0.00
062	Related Party (Adv)- Employee	0.00	0.00
063	Related Party (Adv)- Subsidiaries	0.00	0.00
064	Related Party (Adv)- Joint Venture	-376,952.00	1,458,574.00
065	Related Party (Adv)- Contractors	953,242,735.90	1,768,808,531.30
066	Related Party (Adv)- Others	1,007,204.00	1,007,204.00
067	**Total**	**953,872,987.90**	**1,771,274,309.30**
068		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 20 TO THE FS--REGULATORY DEFERRAL ACCOUNT DEBIT BALANCES **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	On account of Exchange Differences	-932,413.20	-1,857,062.69
002	On account of employee benefit exp	539,717,370.00	539,717,370.00
003	Regulatory deferred account - deferred	0.00	0.00
004	Deferred asset for ash transportation	2,191,876,354.68	0.00
005		0.00	0.00
006	**Total**	**2,730,661,311.48**	**537,860,307.31**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 21 TO THE FS-EQUITY-EQUITY SHARE CAPITAL **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**SHARE CAPITAL**	**0.00**	**0.00**
002	**Equity Share Capital**	**0.00**	**0.00**
003	**Authorised**	**0.00**	**0.00**
004	10,000,000,000 equity shares of Rs.10/- each (Previous year 10,000,000,000 eq shares of Rs.10/- each)	0.00	0.00
005	**Issued,Subscribed and fully Paid-up**	**0.00**	**0.00**
006	9,894,557,280 equity shares of Rs.10/- (Pv. Year 9,894,557,280 equity shares of Rs.10/- each)	0.00	0.00
007		**0.00**	**0.00**
008	**Total**	**0.00**	**0.00**
009	During FY 2018-19, the company has issued 1,649,092,880 equity shares of Rs.10/- each as fully paid bonus shares	0.00	0.00
010	The holders of the equity shares are entitled to receive dividends as declared from time to time, and are entitled to one vote per share at meetings of the company.	0.00	0.00
011	Details of shareholders holding more than 5% shares in the company	0.00	0.00
012	- President of India	0.00	0.00
013	No. of Shares	0.00	0.00
014	% of holding	0.00	0.00
015	- Life Insurance Corporation of India/ICICI Prudential Mutual Fund	0.00	0.00
016	No. of Shares	0.00	0.00
017	% of holding	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	RESERVE AND SURPLUS	0.00	0.00
002		**0.00**	**0.00**
003	**Capital Reserve**	**0.00**	**0.00**
004	As per last financial statements	0.00	0.00
006	Add : Grants received during the year	0.00	0.00
007	Add: Transfer from Surplus	0.00	0.00
008	Less: Write back during the year/period	0.00	0.00
009	Less: Adjustments during the year/period	0.00	0.00
010	**Sub-Total**	**0.00**	**0.00**
011	**Securities Premium Account**	**0.00**	**0.00**
012	As per last financial statements	0.00	0.00
013	Add: Additions during the year/period	0.00	0.00
014	Less: Adjustments during the year/period	0.00	0.00
015	**Sub-Total**	**0.00**	**0.00**
016	**Bonds Redemption Reserve**	**0.00**	**0.00**
017	As per last financial statements	0.00	0.00
018	Add: Transfer from Surplus	0.00	0.00
019	Less: Transfer to surplus on redemption	0.00	0.00
020	Less: Adjustments during the year/ period	0.00	0.00
021	**Sub-Total**	**0.00**	**0.00**
022	**Share Application money Allotment**	**0.00**	**0.00**
023	As per last financial statements	0.00	0.00
024	Add: Addition during the year	0.00	0.00
025	Less: Utlised for allotment during the year	0.00	0.00
026	Less: Adjustments during the year/ period	0.00	0.00
027	**Sub-Total**	**0.00**	**0.00**
028	**Fly-ash utilisation reserve Fund**	**0.00**	**0.00**
029	As per last financial statements	221,965,262.40	66,930,454.41
030	Transferred to CC	0.00	141,768,304.36
031	Add:Transfer from revenue from operations	116,514,347.87	172,125,906.77
032	Add:Transfer from other income	0.00	0.00
033	Less: Utilised during the year	0.00	0.00
034	Tangible assets	0.00	0.00
035	Employee benefit expenses	0.00	-13,181,765.42
036	Generation,admn. and other expenses	-338,479,610.27	-145,677,637.72
037	Tax Expenses	0.00	0.00
038	**Sub-Total**	**0.00**	**221,965,262.40**
039	**Corporate social responsibility (CSR) reserve**	**0.00**	**0.00**
040	As per last financial statements	0.00	0.00
041	Add : Transfer from surplus	0.00	0.00
042	Less:-Write back during the year	0.00	0.00
043	**Sub-Total**	**0.00**	**0.00**
044	**General Reserve**	**0.00**	**0.00**
045	As per last financial statements	0.00	0.00
046	Add: Transfer from Surplus	0.00	0.00
047	Less: Transfer to Surplus	0.00	0.00

NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
048	Less: Write back during the year /period	0.00	0.00
049	Less: Adjustments during the year /period	0.00	0.00
050	**Sub-Total**	**0.00**	**0.00**
051		**0.00**	**0.00**
052	**Retained earnings**	**0.00**	**0.00**
053	As per last financial statements	74,096,642,613.64	73,896,860,828.52
054	Add(Less):-Changes in accounting policy / prior period errors	0.00	0.00
055	Add(Less):-Profit (Loss) after tax for the year from Statement of Profit & Loss	5,203,090,046.33	199,781,785.12
056		0.00	0.00
057	Add: Write back from Bond Redemption Reserve	0.00	0.00
058	Add: Write back from Capital Reserve	0.00	0.00
059	Add: Write back from Foreign Project Reserve	0.00	0.00
060	Add: Write back from CSR Reserve	0.00	0.00
061	Add: Write back from General Reserve	0.00	0.00
062	Less: Transfer to Bonds Redemption Reserve	0.00	0.00
063	Less: Transfer to Foreign Project Reserve	0.00	0.00
064	Less:Transfer to Capital Reserve	0.00	0.00
065	Less:Transfer to CSR Reserve	0.00	0.00
066	Less:Transfer to General Reserve	0.00	0.00
067	Less:Interim Dividend Paid	0.00	0.00
068	Less:Tax on Interim Dividend Paid	0.00	0.00
069	Less:Final Dividend Paid	0.00	0.00
070	Less:Tax on Final Dividend Paid	0.00	0.00
071	Less: Issue of bonus debenture	0.00	0.00
072	Less: Tax on issue of bonus debenture	0.00	0.00
073	**Sub-Total**	**79,299,732,659.97**	**74,096,642,613.64**
074		0.00	0.00
075	**Remeasurement of defined benefit plans**	**0.00**	**0.00**
076	As per last financial statements	-131,829,818.31	-123,453,270.83
077	Add/(Less):- Actuarial Gains/loss through OCI	-100,307,314.03	-8,376,547.48
078	**Sub-Total**	**-232,137,132.34**	**-131,829,818.31**
080		0.00	0.00
081	**FVTOCI Reserve**	**0.00**	**0.00**
082	As per last financial statements	0.00	0.00
083	Add(Less):-Net gain/loss of equity instruments through OCI	0.00	0.00
084	**Sub-Total**	**0.00**	**0.00**
085		**0.00**	**0.00**
086	**Total Other equity**	**79,067,595,527.63**	**74,186,778,057.73**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 23 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**LONG TERM BORROWINGS**	**0.00**	**0.00**
002	**Bonds**	**0.00**	**0.00**
003	**Secured**	**0.00**	**0.00**
004	7.37 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3A).	0.00	0.00
005	7.62 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3 B).	0.00	0.00
006	8.61% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2034 (Fifty First Issue C - Private Placement)	0.00	0.00
007	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3A)	0.00	0.00
008	8.91% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3B)	0.00	0.00
009	7.37% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 14th December 2031 (Sixty Sixth Issue - Private Placement)	0.00	0.00
010	7.49% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 7th November 2031 (Sixty Fourth Issue - Private Placement)	0.00	0.00
011	7.28 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series	0.00	0.00

	As at	31.03.2020	31.03.2019
	2A)		
012	7.53 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series 2 B).	0.00	0.00
013	7.93% Secured non-cumulative non-convertible redeemable taxable bonds of ` 10,00,000/- each redeemable at par in full on 03 May 2022 (68th Issue - Private Placement)	0.00	0.00
014	8.63% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2029 (Fifty First Issue B - Private Placement)	0.00	0.00
015	8.30% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 15 January 2029 (Sixty Seventh Issue - Private Placement)	0.00	0.00
016	8.48% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2A)	0.00	0.00
017	8.73% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2B)	0.00	0.00
018	7.47% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 16th September 2026 (Sixty Third Issue - Private Placement)	0.00	0.00
019	7.58% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 23rd August 2026 (Sixty Second Issue - Private Placement)	0.00	0.00

	As at	31.03.2020	31.03.2019
020	8.05% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 5th May 2026 (Sixtieth Issue - Private Placement)	0.00	0.00
021	8.19% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 15th December 2025 (Fifty Seventh Issue - Private Placement)	0.00	0.00
022	7.11 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1A).	0.00	0.00
023	7.36 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1 B).	0.00	0.00
024	7.15% Tax free secured non-cumulative non-convertible redeemable bonds - 2015 of Rs. 10,00,000/- each redeemable at par in full on 21st August 2025 (Fifty Fifth Issue - Private Placement)	0.00	0.00
025	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 22nd September 2024 (53rd Issue - private placement).	0.00	0.00
026	9.34% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 24th March 2024 (Fifty Second Issue - private placement)	0.00	0.00
027	8.19% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 10,00,000/- each redeemable at par in full on 4th March 2024 (Fifty First Issue A - Private Placement)	0.00	0.00

	As at	31.03.2020	31.03.2019
028	8.41% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (Fiftieth Issue - Public Issue - Series 1A)	0.00	0.00
029	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (Fiftieth Issue - Public Issue - Series 1B)	0.00	0.00
030	9.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 4th May 2023 and ending on 4th May 2027 (Forty fourth issue - private placement)VII	0.00	0.00
031	8.48% Secured non-cumulative non-nonvertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 1st May 2023 (Seventeenth issue - private placement)I	0.00	0.00
032	8.80% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th April 2023 (Forty ninth issue -private placement	0.00	0.00
033	8.49% Secured non-cumulative non-convertible redeemable taxable fully paid-up bonus debentures of Rs. 12.50 each redeemable at par in three annual installments of Rs. 2.50, Rs. 5.00 and Rs. 5.00 at the end of 8th year, 9th year and 10th year on 25th March 2023, 25th March 2024 and 25th March 2025 respectively (Fifty Fourth Issue -Bonus Debentures)X - (refer Note 5 d)	0.00	0.00
034	8.73% Secured non-cumulative non-convertible redeemable taxable bonds of	0.00	0.00

	As at	31.03.2020	31.03.2019
	₹ 10,00,000/- each redeemable at par in full on 07th March 2023 (Forty eighth issue - private placement)		
035	9.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 25th January 2023 and ending on 25th January 2027 (Forty second issue- private placement)III	0.00	0.00
036	8.84% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th October 2022 (Forty seventh issue- private placement)VII	0.00	0.00
037	7.32% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 17 July 2029 (Sixty Ninth Issue - Private Placement)	0.00	0.00
038	6.72% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 24th November 2021 (Sixty Fifth Issue - Private Placement)	0.00	0.00
039	8.10% Secured Non-Cumulative Non-Convertible Redeemable Taxable Bonds of Rs. 30,00,000/- each redeemable at par in three equal separately transferable redeemable principal parts (STRPP) at the end of 5th year, 10th year & 15th year on 27th May 2021, 27th May 2026 and 27th May 2031 respectively (Sixty First Issue- Private Placement)	0.00	0.00
040	8.33% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 24th February 2021	0.00	0.00

	As at	31.03.2020	31.03.2019
	(Fifty Ninth Issue - Private Placement).		
042	8.93% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 19th January 2021 Thirty seventh issue - private placement)III	0.00	0.00
043	8.18% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 31st December 2020 (Fifty Eight Issue - Private Placement).	0.00	0.00
044	8.73 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 31st March 2020 (Thirty third issue- private placement)III	0.00	0.00
045	8.78 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 9th March 2020 (Thirty first issue- private placement)III	0.00	0.00
046	11.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in five equal annual installments commencing from 6th Nov 2019 and ending on 6th Nov 2023 (Twenty seventh issue - private placement)III	0.00	0.00
047	7.89% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 5th May 2019 (Thirtieth issue - private placement)III	0.00	0.00
048	8.65% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th February 2019 (Twenty ninth issue - private placement)III	0.00	0.00
049	7.50% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full	0.00	0.00

	As at	31.03.2020	31.03.2019
	on 12th January 2019 (Nineteenth issue - private placement)II		
050	11% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 21st November 2018 (Twenty eighth issue - private placement)III	0.00	0.00
051	9.3473% Secured non-cumulative non-convertible redeemable taxable bonds of ₹15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 20th July 2018 and ending on 20th July 2032 (Forty sixth issue - private placement)VII	0.00	0.00
052	9.4376% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 16th May 2018 and ending on 16th May 2032 (Forty fifth issue - private placement)VII	0.00	0.00
053	8.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 10th April 2018 (Sixteenth issue -private placement)I	0.00	0.00
054	9.2573% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 2nd March 2018 and ending on 2nd March 2032 (Forty third issue - private placement)III	0.00	0.00
055	9.6713% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

	As at	31.03.2020	31.03.2019
	of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 23rd December 2017 and ending on 23rd December 2031 (Forty first issue - private placement)III		
056	9.558% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 29th July 2017 and ending on 29th July 2031(Fourtieth issue-private placement)III	0.00	0.00
057	9.3896% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 9th June 2017 and ending on 9th June 2031(Thirty ninth issue-private placement)III	0.00	0.00
058	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 22nd March 2017 and ending on 22nd March 2031(Thirty eighth issue-private placement)III	0.00	0.00
059	8.8086% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th	0.00	0.00

	As at	31.03.2020	31.03.2019
	year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th December 2016 and ending on 15th December 2030 (Thirty sixth issue - private placement)III		
060	8.785% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th September 2016 and ending on 15th September 2030 (Thirty fifth issue - private placement)III	0.00	0.00
061	8.71% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 10th June 2016 and ending on 10th June 2030 (Thirty fourth issue - private placement)III	0.00	0.00
062	8.8493% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 25th March 2016 and ending on 25th March 2030 (Thirty second issue - private placement)III	0.00	0.00
063	9.37% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty fifth issue -	0.00	0.00

	As at	31.03.2020	31.03.2019
	private placement)III		
065	9.06% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty sixth issue - private placement)III	0.00	0.00
066	8.6077% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 9th September 2011 and ending on 9th March 2021 (Twenty fourth issue - private placement)IV	0.00	0.00
067	8.3796% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 5th August 2011 and ending on 5th February 2021 (Twenty third issue - private placement)IV	0.00	0.00
068	8.1771% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd July 2011 and ending on 2nd January 2021 (Twenty second issue - private placement)IV	0.00	0.00
069	7.7125% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd August 2010 and ending on 2nd February 2020 (Twenty first issue - private placement)V	0.00	0.00
070	7.552% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

	As at	31.03.2020	31.03.2019
	of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 23rd September 2009 and ending on 23rd March 2019 (Twentieth issue - private placement)VI		
071	9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each with ten equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of the 6th year and in annual installments thereafter upto the end of 15th year respectively from 30th April 2002 (Thirteenth issue - Part B - private placement)VIII	0.00	0.00
072	9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each redeemable at par in ten equal annual installments commencing from the end of 6th year and upto the end of 15th year respectively from 18th April 2002 (Thirteenth issue -Part A - private placement)VIII	0.00	0.00
074		0.00	0.00
075		0.00	0.00
081		0.00	0.00
082	**Sub Total**	**0.00**	**0.00**
083	**Foreign Currency Notes-Unsecured**	**0.00**	**0.00**
084	4.50% Fixed Rate Notes Due for repayment on 19th March 2028	0.00	0.00
085	2.75% Fixed rate notes due for repayment on 1st February 2027	0.00	0.00
086	4.25 % Fixed rate notes due for repayment on 26th February 2026	0.00	0.00
087	4.375% Fixed Rate Note due for repayment on 26th November 2024	0.00	0.00
088	4.75 % Fixed Rate Notes due for repayment on 3rd Oct 2022	0.00	0.00
089	7.25 % Fixed green global INR denominated bonds due on 3 May 2022	0.00	0.00
090	7.375 % Fixed green global INR denominated bonds due on 10 August 2021	0.00	0.00
091	5.625% Fixed Rate Notes due for repayment on 14th July 2021	0.00	0.00

	As at	31.03.2020	31.03.2019
092	3.75 % Fixed rate notes due for repayment on 03 April 2024	0.00	0.00
093		0.00	0.00
094	**Sub Total**	**0.00**	**0.00**
095	Long term maturities of Finance Lease Obligations (Secured) IX	0.00	0.00
100	Long term maturities of Finance Lease Obligations (Unsecured) X	791,285,864.00	788,947,518.00
101	**Term Loans**	**0.00**	**0.00**
102	**From Banks**	**0.00**	**0.00**
103	**Secured**	**0.00**	**0.00**
104	Rupee Loans	0.00	0.00
105	**Unsecured**	**0.00**	**0.00**
106	Foreign Currency Loans	0.00	0.00
107	Rupee Loans	0.00	0.00
108	**From Others**	**0.00**	**0.00**
109	**Secured**	**0.00**	**0.00**
110	Rupee Loans	0.00	0.00
111	Foreign Currency loans (guaranteed by GOI)	0.00	0.00
112	**Unsecured**	**0.00**	**0.00**
113	Foreign Currency loans (guaranteed by GOI)	0.00	0.00
114	Other Foreign currency loans	0.00	0.00
115	Rupee Loans	0.00	0.00
116	**Deposits**	**0.00**	**0.00**
117	**Unsecured**	**0.00**	**0.00**
118	Fixed Deposits	0.00	0.00
119	**Others**	**0.00**	**0.00**
120	**Unsecured**	**0.00**	**0.00**
121	Bonds Application Money Pending Allotment	0.00	0.00
122	**Sub-total**	**0.00**	**0.00**
123	Less:- Interst accrued but not due on borrowings	0.00	0.00
124	Less:- Current maturities of long term borrowings	0.00	0.00
125	Bonds-Secured	0.00	0.00
126	5.875% Fixed Rate Notes	0.00	0.00
127	Foreign currency loans from Banks- unsecured	0.00	0.00
128	Rupee loans from banks- Secured	0.00	0.00
129	Rupee loans from banks- unsecured	0.00	0.00
130	Rupee Term loan from Others - Secured	0.00	0.00
131	Foreign currency loans from others- unsecured (Guaranteed by GOI)	0.00	0.00
132	Other foreign currency loans from others- unsecured	0.00	0.00
133	Rupee loans from others- unsecured	0.00	0.00
134	Finance Lease obligations - secured	0.00	0.00
135	Finance Lease obligations - unsecured	550,615,098.10	265,076,378.22
136		0.00	0.00
137		0.00	0.00

NOTE NO. 23 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
200	**Total**	**240,670,765.90**	**523,871,139.78**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 24 TO THE FS-NCL-TRADE PAYABLES **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**TRADE PAYABLES(NON CURRENT)**	**0.00**	**0.00**
002	**For Goods and Services**	**0.00**	**0.00**
003	- Micro & Small Enterprises	1,078,058.17	7,755,955.74
004	- Others	2,519,637.14	2,566,341.43
005		0.00	0.00
006	**Total**	**3,597,695.31**	**10,322,297.17**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 25 TO THE FS-NCL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**OTHER FINANCIAL LIABILITIES (NON-CURRENT)**	**0.00**	**0.00**
002	Payable for Capital Expenditure	0.00	0.00
003	- Micro & Small Enterprises	0.00	0.00
004	- Others	2,997,261.54	7,217,046.92
005	Others	0.00	0.00
006	Deposits from contractors and others	0.00	0.00
007		0.00	0.00
008		0.00	0.00
009	**Total**	**2,997,261.54**	**7,217,046.92**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 26 TO THE FS-NCL-PROVISIONS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**LONG TERM PROVISIONS**	**0.00**	**0.00**
002	**Provision for Employee Benefits**	**0.00**	**0.00**
003	Opening Balance	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	0.00
005	**Closing Balance**	**0.00**	**0.00**
013		**0.00**	**0.00**
014	**TOTAL**	**0.00**	**0.00**

NOTE NO. 27 TO THE FS-NCL-DEFERRED TAX LIABILITIES (NET) **(Amount in ₹)**

	As at	Open Balance on 01.04.2019	Addition	Closing Balance on 31.03.2020
001	**DEFERRED TAX LIABILITIES (NET)**			
002	Difference of book depreciation and tax depreciation	0.00	0.00	0.00
003	Less: Deferred tax assets			
004	Provisions & Other disallowances for tax purposes	0.00	0.00	0.00
005	Unabsorbed Depreciation	0.00	0.00	0.00
006	Disallowances u/s 43B of the Income Tax Act, 1961	0.00	0.00	0.00
007	MAT credit entitlement	0.00	0.00	0.00
008		0.00	0.00	0.00
009	**Total**	**0.00**	**0.00**	**0.00**
010		0.00	0.00	0.00
011	**Total**	**0.00**	**0.00**	**0.00**
012	Breakup of deferred tax assets	0.00	0.00	0.00
013	Provision	0.00	0.00	0.00
014	Statutory dues	0.00	0.00	0.00
015	Leave encashment	0.00	0.00	0.00
016	Others	0.00	0.00	0.00
017		0.00	0.00	0.00
018		0.00	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 28 TO THE FS-NCL-OTHER NON-CURRENT LIABILITIES **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	Other Non current Liabilities	0.00	0.00
002	Advances from customers and others	0.00	0.00
003	Deposits from contractors and others	0.00	0.00
004		0.00	0.00
005	**TOTAL**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 29 TO THE FS-CL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**Short Term Borrowings**	**0.00**	**0.00**
002	**Loans repayable on demand**	**0.00**	**0.00**
003	**From Banks**	**0.00**	**0.00**
004	**Secured**	**0.00**	**0.00**
005	Cash Credit	0.00	0.00
006	**Unsecured**	**0.00**	**0.00**
007	Cash Credit	0.00	0.00
008	**Other loans-unsecured**	**0.00**	**0.00**
009	Commecial Papers	0.00	0.00
010	Less: Unamortised discount on Commercial Papers	0.00	0.00
011	**Total**	**0.00**	**0.00**
012		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 30 TO THE FS-CL-TRADE PAYABLES **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**TRADE PAYABLES**	**0.00**	**0.00**
002	For Goods and Services	0.00	0.00
003	- Micro & Small Enterprises	372,979,710.08	322,373,903.62
004	- Others	12,362,676,269.72	8,698,169,857.57
005		0.00	0.00
006	**Total**	**12,735,655,979.80**	**9,020,543,761.19**
007		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**OTHER FINANCIAL LIABILITIES (CURRENT)**	**0.00**	**0.00**
002	**Current maturity of long term borrowings**	**0.00**	**0.00**
003	Bonds-Secured	0.00	0.00
004	Foreign Currency Fixed Rate Notes	0.00	0.00
005	**From Banks**	**0.00**	**0.00**
006	**Secured**	**0.00**	**0.00**
007	Rupee Term Loan	0.00	0.00
008	**Unsecured**	**0.00**	**0.00**
009	Foreign currency loans	0.00	0.00
010	Rupee term loans	0.00	0.00
011	**From Others**	**0.00**	**0.00**
012	**Secured**	**0.00**	**0.00**
013	Rupee Term Loan	0.00	0.00
014	**Unsecured**	**0.00**	**0.00**
015	Foreign currency loans (Guaranteed by Government of India)	0.00	0.00
016	Other foreign currency loans	0.00	0.00
017	Rupee term loans	0.00	0.00
018	Fixed deposits	0.00	0.00
019	Sub Total	0.00	0.00
020	Current maturity of finance lease obligations (secured)	0.00	0.00
021	Current maturity of finance lease obligations (unsecured)	550,615,098.10	265,076,378.22
022	Interest accrued but not due on borrowings	0.00	0.00
023	Unpaid Dividends*	0.00	0.00
024	Unpaid matured deposits and interest accrued thereon*	0.00	0.00
025	Unpaid matured bonds and interest accrued thereon*	0.00	0.00
026	Unpaid bond refund money-Tax free bonds *	0.00	0.00
027	Book Overdraft	0.00	0.00
028	Payable to Customers	0.00	0.00
029	Liability under forward exchange contact	0.00	0.00
030	Hedging cost payable to beneficiaries	0.00	0.00
031	Derivative MTM Liability	0.00	0.00
032	**Payable for Capital Expenditure**	**0.00**	**0.00**
033	- Micro & Small Enterprises	61,747,701.29	47,901,745.81
034	- Others	1,566,222,236.71	1,328,169,223.43
035	**Others Payables**	**0.00**	**0.00**
036	Deposits from contractors and others	85,546,222.94	66,619,759.98
037	Gratuity Obligations	0.00	0.00
038	Payable to employees	18,740,908.13	71,500,018.10
039	Payable to holding company	0.00	0.00
040	Retention on A/c BG encashment (Solar)	0.00	0.00
041	Payable to Solar Payment Security Account	0.00	0.00
042	Others **	21,390,874.53	37,364,631.88

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
043		0.00	0.00
044	**Total**	**2,304,263,041.70**	**1,816,631,757.42**
045	* Represents the amounts which have not been claimed by the investor/holders of the bonds/fixed deposits. Out of the above, no amount is due for payment to Investor Education and Protection Fund.	0.00	0.00
046	** Include Payable to Hospital, parties for stale cheques and other payable.	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 32 TO THE FS-CL-OTHER CURRENT LIABILITIES **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**OTHER CURRENT LIABILITIES**	**0.00**	**0.00**
002	Advances from customers and others	413,852,049.99	433,954,278.52
003	Deferred discount on forward exchange contact	0.00	0.00
004	Tax deducted at source and other statutory dues	169,585,225.93	124,277,434.25
005	Others	0.00	0.00
006	**Total**	**583,437,275.92**	**558,231,712.77**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 33 TO THE FS-CL-PROVISIONS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**SHORT TERM PROVISIONS**	**0.00**	**0.00**
002	**Provision for Employee Benefits**	**0.00**	**0.00**
003	Opening balance	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	0.00
005	**Closing Balance**	**0.00**	**0.00**
028	**Provisions for Obligations Incidental to Land Acquisition**	**0.00**	**0.00**
029	Opening balance	0.00	0.00
030	Additions during the year	0.00	0.00
031	Amounts paid during the year	0.00	0.00
032	Amounts reversed during the year	0.00	0.00
033	**Closing Balance**	**0.00**	**0.00**
035	**Provision for Tariff Adjustment**	**0.00**	**0.00**
036	Opening balance	0.00	0.00
037	Additions during the year	0.00	0.00
038	Amounts adjusted during the year	0.00	0.00
039	Amounts reversed during the year	0.00	0.00
040	**Closing Balance**	**0.00**	**0.00**
042	**Provision for shortage in Fixed Assets Pending Investigation & Others**	**0.00**	**0.00**
043	Opening balance	0.00	0.00
044	Additions during the year	0.00	0.00
045	Amounts adjusted during the year	0.00	0.00
046	Amounts reversed during the year	0.00	0.00
047	**Closing Balance**	**0.00**	**0.00**
048	**Provision for Arbitration**	**0.00**	**0.00**
049	Opening balance	3,953,512,382.97	12,800,361.00
050	Additions during the year	-3,561,455,740.84	3,940,712,021.97
051	Amounts used during the year	0.00	0.00
052	Amounts reversed during the year	0.00	0.00
053	**Closing Balance**	**392,056,642.13**	**3,953,512,382.97**
054	**Others**	**0.00**	**0.00**
055	Opening balance	0.00	0.00
056	Additions during the year	0.00	0.00
057	Amounts used during the year	0.00	0.00
058	Amounts reversed during the year	0.00	0.00
059	**Closing Balance**	**0.00**	**0.00**
102		0.00	0.00
103	**Total**	**392,056,642.13**	**3,953,512,382.97**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 34 TO THE FS-CL-CURRENT TAX LIABILITIES (NET) **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**Current liabilities - current tax liabilities (net)**	**0.00**	**0.00**
002	Opening balance	0.00	0.00
003	Additions during the year	0.00	0.00
004	Amounts adjusted during the year	0.00	0.00
005	Less: Set off against taxes paid	0.00	0.00
006	**Closing Balance**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 35 TO THE FS--DEFERRED REVENUE **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	**Deferred Revenue**	**0.00**	**0.00**
002	On account of advance against depreciation	0.00	0.00
003	On account of income from foreign currency fluctuation	-8,123,000.00	-24,963,000.00
004	Government grants	0.00	0.00
005		0.00	0.00
006	**TOTAL**	**-8,123,000.00**	**-24,963,000.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 36 TO THE FS--REGULATORY DEFERRAL ACCOUNT CREDIT BALANCES **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	Regulatory deferral account credit balances	0.00	0.00
002	Exchange Differences	0.00	0.00
003		0.00	0.00
004	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 37 TO THE FS--REVENUE FROM OPERATIONS **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
001	**REVENUE FROM OPERATIONS**	**0.00**	**0.00**
002	**Sales**	**0.00**	**0.00**
003	Energy Sales (including Electricity Duty)	50,481,571,565.45	48,653,654,838.00
004	Less : Advance against depreciation deferred (net)	0.00	0.00
005	Add: Revenue recognized out of advance against depreciation	0.00	0.00
006	Add : Exchange fluctuation receivable from customers	0.00	0.00
007	Sale of energy through trading	0.00	0.00
008	Commission (NVVN)	0.00	0.00
009	**Sub total**	**50,481,571,565.45**	**48,653,654,838.00**
010	Less: Rebate to customers	400,554,466.02	592,351,389.89
011	**Energy Sales (Total)**	**50,081,017,099.43**	**48,061,303,448.11**
012	Consultancy, project management and supervision fees	49,531,519.00	48,995,835.00
013	Lease rentals on assets on Operating lease	0.00	0.00
014	Sale of Captive Coal	0.00	0.00
015	Intra Company Elimination	0.00	0.00
017	**Sub-total**	**0.00**	**0.00**
018	**Total - Sales**	**50,130,548,618.43**	**48,110,299,283.11**
019	Sale of fly ash/ash products	116,514,347.87	172,125,906.77
020	Less: Transferred to fly ash utilisation reserve fund	-116,514,347.87	-172,125,906.77
021	**Sub-total**	**0.00**	**0.00**
022	**Other Operating Income**	**0.00**	**0.00**
023	Interest from customers	901,838.00	443,189.00
024	Energy Internally Consumed *	45,872,901.00	38,602,303.00
025	Interest income on Assets under finance lease	0.00	0.00
026	Recognized from deferred revenue - government grant	0.00	0.00
027	Provision written back- Tariff Adjustment	0.00	0.00
028	Income form Trading of ESCerts	0.00	0.00
029	Income from E-Mobility Business	0.00	0.00
030		0.00	0.00
031	**Total**	**50,177,323,357.43**	**48,149,344,775.11**
040	* Valued at variable cost of generation and corresponding amount included in power charges (Note No. 42)	0.00	0.00
041	Excise duty on sale of flyash,cenospere & ash products	0.00	0.00
042	Energy sales of principal nature (NVVN)	0.00	0.00
043	Energy sales of agency nature (NVVN)	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
001	**OTHER INCOME**	**0.00**	**0.00**
002	**Interest from**	**0.00**	**0.00**
004	**Financial assets at amortised cost**	**0.00**	**0.00**
005	Government Securities (8.5% Tax Free Bonds issued by the State Goverments)	0.00	0.00
006	Other Bonds	0.00	0.00
007		0.00	0.00
008	Interest from Government of India Securties-Non-Trade	0.00	0.00
009	Less: Amortiation of premium	0.00	0.00
010	**Sub Total**	**0.00**	**0.00**
011	Interest from others	0.00	0.00
012	Loan to State Government in settlement of dues from customers	0.00	0.00
013	Loan to Subsidiary Companies	0.00	0.00
014	Loan to Employees	20,425,694.02	18,810,429.16
015	Deposit with banks	0.00	0.00
016	Foreign Banks	0.00	0.00
017	Interest from Contractors	4,224,916.00	976,796.00
018	Interest from Income Tax Refunds	0.00	0.00
019	Less : Refundable to Customers	0.00	0.00
020	**Sub Total**	**0.00**	**0.00**
021	Deposits with banks-flyash utilisation reserve fund	0.00	0.00
022	Less: transferred to flyash utilisation reserve fund	0.00	0.00
023	**Sub Total**	**0.00**	**0.00**
024	Deposits with banks- DDUGJY funds	0.00	0.00
025	Interest from Contractors- DDUGJY funds	0.00	0.00
026	Transfer to DDUGJY-Advance from customers	0.00	0.00
027	Sub-total	0.00	0.00
030	Others	0.00	0.00
031		0.00	0.00
032	**Dividend from**	**0.00**	**0.00**
033	**Longterm investments in**	**0.00**	**0.00**
034	Subsidiaries	0.00	0.00
035	Joint Ventures	0.00	0.00
036	Equity Instruments	0.00	0.00
037	**Current Investments in**	**0.00**	**0.00**
038	Mutual Funds measured at fairvalue through profit or loss	0.00	0.00
039	Current investments in mutual funds-flyash utilisation reserve fund	0.00	0.00
040	Less: transferred to flyash utilisation reserve fund	0.00	0.00
041	Lease Rent # Ash Brick Plant	0.00	0.00
042	Less: transferred to flyash utilisation reserve fund	0.00	0.00
043	Other non-operating income	0.00	0.00
044	Profit on disposal of PPE	15,033,670.13	697,824.41
045	Profit on redemption of GOI securities	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
046	Net gain on sale of investments	0.00	0.00
047	Surcharge received from customers	213,615,030.00	86,443,351.00
048	Hire charges for equipment	0.00	0.00
049	Gain on option contract / Discount on F.ExchContract	0.00	0.00
050	Provision written back-others	3,608,139,750.16	24,385,774.00
051	Fair value gains/(losses) on investments in mutual funds at fair value through profit or loss	0.00	0.00
052	Interest from Solar payment security account	0.00	0.00
053	Less : Transferred to SPSA fund	0.00	0.00
054	Interest on "Retention on A/c BG encashment (Solar)"	0.00	0.00
055	Less : Transferred to "Retention on A/c BG encashment (Solar)"	0.00	0.00
056	Miscellaneous Income	93,771,603.38	176,954,103.58
057	**Total**	**3,955,210,663.69**	**308,268,278.15**
058	Less:Transferred to Development of Coal Mines-Note 43A	0.00	0.00
059	Less:Transferred to Expenditure during Construction period (net)- Note 43	41,394.00	43,344.96
061		0.00	0.00
062	**Total**	**3,955,169,269.69**	**308,224,933.19**
063		0.00	0.00
064	**Details of Miscellaneous Income**	**0.00**	**0.00**
065	Vehicle Hire Charges.	150,000.00	110,000.00
066	Sale of by products & residuals	0.00	0.00
067	Township recoveries(exl. Hospital Recoveries).	18,436,519.44	20,060,678.66
068	Depreciation written back	0.00	0.00
069	Sale of Scrap.	44,375,071.22	135,846,079.65
070	Receipt under loss of profit policy.	0.00	0.00
071	Receipts under MBD/Fire Policy.	0.00	0.00
072	Management development programme.	0.00	0.00
073	Management Fee - Misc (NVVN)	0.00	0.00
074	Others	30,810,012.72	20,937,345.27
075		0.00	0.00
076	**Total (Miscellaneous Income)**	**93,771,603.38**	**176,954,103.58**
077		0.00	0.00
078	**Details of Provision written back others**	**0.00**	**0.00**
079	Doubtful debts	0.00	0.00
080	Doubtful Loans, Advances and Claims	0.00	2,083,226.00
081	Doubtful Construction Advances	2,971,880.17	0.00
082	Shortage in Construction Stores	0.00	0.00
083	Shortage in Stores	37,119,161.80	22,302,548.00
084	Obsolescence in Stores	4,930,193.19	0.00
085	Unserviceable capital works	0.00	0.00
086	Other Obligation	3,563,118,515.00	0.00
087	Shortage in Fixed Assets	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
088	Diminution in value of Investment	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38A TO THE FS--FUEL COST **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
001	**FUEL COST**	**0.00**	**0.00**
002	Coal	0.00	0.00
003	Captive	0.00	0.00
004	Other than captive	38,507,745,039.18	34,626,415,020.24
005	Gas	0.00	0.00
006	Naptha	0.00	0.00
007	Oil	506,507,779.08	271,361,542.96
008	**Total**	**39,014,252,818.26**	**34,897,776,563.20**
009		0.00	0.00
010		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 39 TO THE FS--EMPLOYEE BENEFITS EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
001	**EMPLOYEE BENEFITS EXPENSE**	**0.00**	**0.00**
002	Salaries and wages	2,284,924,317.40	2,300,563,568.90
003	Contribution to provident and other funds	258,507,257.65	348,526,290.34
004	Unwinding of deferred payroll expense	15,531,703.67	13,417,302.74
005	Staff welfare expenses	298,734,715.54	283,828,739.21
006	Less : Expenses transferred to Consultancy group	0.00	0.00
007		0.00	0.00
008	**Sub Total**	**2,857,697,994.26**	**2,946,335,901.19**
009	Less: Employee benefits expense inventorised	203,536,566.59	211,644,342.33
010	Less: Transferred/Allocated to development of coal mines	0.00	0.00
011		0.00	0.00
012	Less: Transferred to fly ash utilisation reserve fund	0.00	13,181,765.42
013	Less: Transferred to CSR Expenses	0.00	0.00
014	Reimbursements for employees on secondment	1,404.52	-9,262.15
015	Less: Transferred to expenditure during construction period (net)- Note 43	20,155,857.85	26,172,779.27
016	**TOTAL**	**2,634,004,165.30**	**2,695,346,276.32**
017	**Managerial Remuneration paid/ payable to Directors included above (except for Directors fee which is included in Note 42)**	**0.00**	**0.00**
018	Salaries and wages	0.00	0.00
019	Contribution to provident and other funds	0.00	0.00
020	Staff welfare expenses	0.00	0.00
021	Directors fee	0.00	0.00
022		0.00	0.00
023		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 40 TO THE FS--FINANCE COSTS **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
001	**FINANCE COSTS**	**0.00**	**0.00**
002	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
003	Bonds	224,974,888.94	325,096,444.88
004	Government of India Loans	0.00	0.00
005	Foreign currency term loans	10,336,177.18	12,180,652.26
006	Rupee term loans	566,522,009.00	528,981,263.00
007	Public deposits	0.00	0.00
008	Foreign currency bonds/notes	0.00	0.00
009	Cash Credit	0.00	0.00
010	Unwinding of discount on account of vendor liabilities	4,208,981.28	3,513,071.48
011	Commercial Papers	0.00	0.00
012	Others	0.00	1,652.00
013	**Sub Total**	**806,042,056.40**	**869,773,083.62**
014	**Other Borrowing Costs**	**0.00**	**0.00**
015	Bonds servicing & public deposit exp.	310,066.16	461,456.85
016	Guarantee fee	0.00	0.00
017	Management fee	0.00	0.00
018	Committ charges/exposure premium	0.00	0.00
019	Bond issue expenses	0.00	0.00
020	Legal exp on foreign currency loans	0.00	0.00
021	Foreign currency bonds/notes exp.	0.00	0.00
022	Up-front fee	0.00	0.00
023	Insurance premium on foreign currency loans	0.00	0.00
024		0.00	0.00
025	Others	0.00	0.00
026	**Sub Total (Other Borrowing cost)**	**310,066.16**	**461,456.85**
027		0.00	0.00
028	**Exchange differences regarded as an adjustment to interest costs**	**6,195,497.51**	**-4.57**
029	**Sub Total**	**812,547,620.07**	**870,234,535.90**
030	Less: Transferred to Expenditure during construction period (net) - Note 43	134,517,261.05	166,921,790.79
031	Less: Transferred to development of coal mines- Note 43A	0.00	0.00
032		0.00	0.00
033	**Total**	**678,030,359.02**	**703,312,745.11**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 41 TO THE FS--DEPRECIATION, AMORTIZATION AND IMPAIRMENT EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
001	**Depreciation, amortization and impairment expense**	**0.00**	**0.00**
002	On property, plant and equipment- Note 2	2,791,479,390.57	2,567,685,564.17
003	On intangible assets- Note 4	51,804.33	53,644.78
004	Sub-total	2,791,531,194.90	2,567,739,208.95
005	Less:	0.00	0.00
006	Inventorised	196,751,861.01	191,902,971.00
007	Transferred to Expenditure during Construction Period (net)- Note 43	8,270,796.44	8,353,444.52
008	Transferred/Allocated to development of coal mines	0.00	0.00
009	Adjustment with deferred revenue from deferred foreign currency fluctuation	-16,840,000.00	-15,638,000.00
010	**Total**	**2,603,348,537.45**	**2,383,120,793.43**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 42 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
001	**OTHER EXPENSES**	**0.00**	**0.00**
002	Power charges	53,872,275.00	40,110,524.00
003	Less: Recovered from contractors & employees	10,379,617.78	8,914,473.29
004	**Sub-Total(Power Charges)**	**43,492,657.22**	**31,196,050.71**
005	Water charges	686,507,362.00	270,536,366.87
006	Stores consumed	4,539,557.93	65,046,829.83
007	Rent	0.00	0.00
008	Less:Recoveries	0.00	0.00
009	**Sub-Total (Rent)**	**0.00**	**0.00**
010	Cost of extraction of Captive coal	0.00	0.00
011	**Repairs & maintenance**	**0.00**	**0.00**
012	Buildings	141,604,483.71	121,702,674.21
013	Plant & machinery	0.00	0.00
014	Power stations	1,746,912,111.36	1,680,340,679.08
015	Construction equipment	0.00	0.00
016	Others	138,131,766.50	172,508,114.45
017	**Sub-total (Repairs & maintenance)**	**2,026,648,361.57**	**1,974,551,467.74**
019	Load Dispatch Center Charges	31,375,732.00	10,415,603.00
021	Insurance	62,071,329.06	53,024,634.18
022	Interest to beneficiaries	0.00	0.00
023	Rates and taxes	38,333,215.20	40,453,089.95
024	Water cess & environment protection cess	0.00	-10,382,488.00
025	Training & recruitment expenses	10,185,896.28	9,663,341.16
026	Less: Receipts	0.00	1,001,159.64
027	**Sub-total (Training and recruitment expenses)**	**10,185,896.28**	**8,662,181.52**
028	Communication expenses	27,071,413.90	24,827,114.85
029	Inland Travel	85,854,837.45	81,614,820.91
030	Foreign Travel	363,665.90	922,909.83
031	Tender expenses	0.00	865,854.00
032	Less: Receipt from sale of tenders	0.00	18,334.00
033	**Sub-total (Tender expenses)**	**0.00**	**847,520.00**
034	Payment to auditors	0.00	0.00
035	Audit fee	0.00	0.00
036	Tax audit fee	0.00	0.00
037	Other services	0.00	0.00
038	Reimbursement of expenses	0.00	0.00
039	**Sub-total (Payment to Auditors)**	**0.00**	**0.00**
040	Advertisement and publicity	4,219,218.00	2,985,698.00
041	Electricity duty	0.00	0.00
042	Security expenses	385,441,954.90	484,340,108.97
043	Entertainment expenses	32,593,986.20	23,721,018.11
044	Expenses for guest house	14,957,054.21	15,384,877.46
045	Less:Recoveries	0.00	0.00
046	**Sub-Total (Guest house expenses)**	**14,957,054.21**	**15,384,877.46**
047	Education expenses	47,412,172.00	35,061,204.00
049	Donations	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 42 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
050	Ash utilisation & marketing expenses	2,627,397,887.93	96,884,507.45
051	Directors sitting fee	0.00	0.00
053	Professional charges and consultancy fees	10,337,192.00	7,984,553.87
054	Legal expenses	11,601,237.00	9,720,468.00
055	EDP hire and other charges	3,034,908.00	4,110,384.60
056	Printing and stationery	1,272,102.57	4,010,370.60
057	Oil & gas exploration expenses	0.00	0.00
059	Hiring of vehicles	66,663,311.11	60,442,595.35
061	Reimbursement of L.C.charges on sales realisation	0.00	72,003.00
062		0.00	0.00
063	Cost of Hedging	0.00	0.00
064	Derivatives MTM loss/gain (Net)	0.00	0.00
065	Net loss/(gain) in foreign currency transactions & translations	649,180.59	39,889,759.10
066	Transport Vehicle running expenses	773,694.59	314,048.07
067	Horticulture Expenses	32,797,865.80	32,151,739.94
068	Hire charges- helicopter/aircraft.	0.00	0.00
069	Hire charges of construction equipment	0.00	-12,478.00
070	Demurrage Charges	0.00	0.00
072		0.00	0.00
073	Miscellaneous expenses	24,578,810.00	10,325,611.35
074	Loss on disposal/write-off of PPE	26,382,022.43	71,225,852.82
075	**Sub-Total**	**6,306,556,625.84**	**3,450,328,424.08**
076	Less: Other expenses inventorised	581,644,481.13	575,654,675.92
077	Less: Transferred/Allocated to development of coal mines	0.00	0.00
078	Less: Transferred to fly ash utilisation reserve fund	435,521,533.25	145,677,637.72
079	Less: Hedging cost Net recoverable/payable from/to beneficiaries	0.00	0.00
080		0.00	0.00
081	Less: Transferred to CSR Expenses	32,372,068.00	5,602,077.00
082	Less:Transferred to Expenditure during Construction period(net)-Note 43	19,134,788.61	16,087,351.44
083	**Net (Generation, Administration and Other expenses)**	**5,237,883,754.85**	**2,707,306,682.00**
084	Corporate Social Responsibility Expenses	71,548,269.05	70,023,962.39
085	Less: Grants-in-aid	0.00	0.00
086	**Sub-total (Corporate Social Responsibility Expenses)**	**71,548,269.05**	**70,023,962.39**
087	**Provisions**	**0.00**	**0.00**
088	Doubtful Debts	0.00	0.00
089	Doubtful loans, advances and claims	0.00	0.00
090	Doubtful Construction Advances	0.00	0.00
091	Shortage in stores	37,505,764.39	224,225,252.74
092	Obsolete/Dimunition in the value of surplus stores	570,776.54	0.00
093	Shortage in construction stores	0.00	0.00
094	Dimunition in value of long term investments	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 42 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
095	Shortage in Fixed assets	0.00	0.00
096	Unfinished minimum work progress from oil & gas exploration	0.00	0.00
097	Unserviceable capital works	55,041,675.88	64,211,365.22
098	Tariff Adjustment	49,108,000.00	0.00
099	Others :	0.00	0.00
100	(i) Provision for arbitration cases	1,662,774.16	3,940,712,021.97
101	(ii) Other provisions	0.00	0.00
102	**Total (Provisions)**	**143,888,990.97**	**4,229,148,639.93**
103		0.00	0.00
104	**Total**	**5,453,321,014.87**	**7,006,479,284.32**
105		0.00	0.00
106	**Breakup of miscellaneous expenses.**	**0.00**	**0.00**
109	Hire charges of office equipment	0.00	0.00
111	Operating expenses of construction equipment	0.00	0.00
112	Operating expenses of D.G. sets	0.00	0.00
113	Furnishing expenses	1,056,205.45	284,603.00
114	Subscription to trade and other associations.	0.00	0.00
116	Visa and entry permit charges	0.00	0.00
117	Tree plantation exp.-NTPC Land	0.00	0.00
118	Research & development expenses .	0.00	0.00
119	Less : Grants received for Research & develoment expenses.	0.00	0.00
120	Sub-total (Research & development expenses)	0.00	0.00
121	Bank charges	259,371.36	434,265.40
122	Business Development Expenditure	0.00	0.00
123	Surcharge (NVVN)	0.00	0.00
124	Power Trading Expenses	6,099,898.00	1,003,788.00
125	Brokerage & commission	1,981,123.00	-3,743,601.00
129	Books and periodicals	209,875.44	197,288.00
130	Claims/advances written off	0.00	0.00
131	Stores written off	715,169.00	0.00
132	Survey &Investigation expenses written off	0.00	0.00
133	Others	14,257,167.75	12,149,267.95
134	**Total**	**24,578,810.00**	**10,325,611.35**
135		0.00	0.00
136		0.00	0.00
137		**6,590,629,493.57**	**7,805,591,656.09**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 43 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET) **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
001	**EXPENDITURE DURING CONSTRUCTION PERIOD (NET)**	**0.00**	**0.00**
002	A. Employee benefits expense	0.00	0.00
003	Salaries and wages	16,732,358.13	20,827,173.44
004	Contribution to provident and other funds	1,590,129.15	2,896,172.57
005	Unwinding of deffered payroll expenses	0.00	0.00
006	Staff welfare expenses	1,833,370.57	2,449,433.26
007	**Total (A)**	**20,155,857.85**	**26,172,779.27**
008	**B. Finance Costs**	**0.00**	**0.00**
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
010	Bonds	13,664,515.88	24,047,686.74
011	Foreign currency term loans	5,442,100.99	12,180,652.26
012	Rupee term loans	109,179,372.79	130,625,727.69
013	Foreign currency bonds/notes	0.00	0.00
014	Unwinding of discount on account of vendor liabilities	0.00	0.00
015	Others	0.00	0.00
016		0.00	0.00
017	Other Borrowings Costs	0.00	0.00
018	Guarantee Commission	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00
020	Commitment charges/Exposure Premium	0.00	0.00
021	Legal Expenses on foreign currency loans	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00
024	Upfront Fee	0.00	0.00
025	Exchange Differences	0.00	0.00
026	Others	35,773.88	67,728.67
027	Exchange differences regarded as adjustment to interest cost	6,195,497.51	-4.57
028	**Total (B)**	**134,517,261.05**	**166,921,790.79**
029		0.00	0.00
030	C. Depreciation and amortisation	8,270,796.44	8,353,444.52
031	**D. Generation , administration and other expenses**	**0.00**	**0.00**
032	Power charges	3,049,209.00	529,034.00
033	Less: Recovered from contractors & employees	9,196.53	3,945.00
034	**Sub-total(Net power charges)**	**3,040,012.47**	**525,089.00**
035	Water charges	0.00	0.00
036	Rent	0.00	0.00
037	Repairs & maintenance	0.00	0.00
038	Buildings	1,445,615.67	579,357.71
039	Construction equipment	0.00	0.00
040	Others	5,869.00	62,387.50
041		0.00	0.00
042	Insurance	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 43 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET) **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
043	Rates and taxes	0.00	0.00
044	Communication expenses	456,605.00	742,840.32
045	Travelling expenses	581,302.78	843,315.75
046	Tender expenses	0.00	0.00
047	Less: Income from sale of tenders	0.00	0.00
048	**Sub-total (Net tender expenses)**	**0.00**	**0.00**
049	Advertisement and publicity	0.00	0.00
050	Security expenses	8,185,215.25	7,424,433.90
051	Entertainment expenses	102,000.00	66,695.00
052	Guest house expenses	1,331,732.35	2,655,626.76
053	Less: Receipt from guest house	0.00	0.00
054	**Sub-total (Net Guest House Expenses)**	**1,331,732.35**	**2,655,626.76**
055	Education expenses	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	1,588.00	0.00
058	Community development expenses	0.00	0.00
059	Professional charges and consultancy fee	1,273,385.01	572,588.87
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	1,191,429.00	307,210.00
062	Printing and stationery	4,791.00	20,871.60
063	Miscellaneous expenses	1,515,243.08	2,286,935.03
064	**Total (D)**	**19,134,788.61**	**16,087,351.44**
065	**Total (A+B+C+D)**	**182,078,703.95**	**217,535,366.02**
066	**E. Less: Other Income**	**0.00**	**0.00**
067	Interest from	0.00	0.00
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	0.00
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
073	Sale of scrap	0.00	0.00
074	Exchange Differences	0.00	0.00
075	Miscellaneous income	41,394.00	43,344.96
076	**TOTAL (E)**	**41,394.00**	**43,344.96**
077	F. Net actuarial gain/loss OCI	418,204.22	64,898.95
078		0.00	0.00
079	**GRAND TOTAL (A+B+C+D-E+F)**	**182,455,514.17**	**217,556,920.01**
080		0.00	0.00
081	*** Balance carried to Capital Work-in-progress - (Note 3)**	**182,455,514.17**	**217,556,920.01**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 43A TO THE FS--EDC- COAL MINING **(Amount in ₹)**

	For the Year ended	31.03.2020	31.03.2019
001	**EDC- Coal Mining**	**0.00**	**0.00**
002	A. Employee benefits expense	0.00	0.00
003	Salaries and wages	0.00	0.00
004	Contribution to provident and other funds	0.00	0.00
005	Unwinding of deffered payroll expenses	0.00	0.00
006	Staff welfare expenses	0.00	0.00
007	**Total (A)**	**0.00**	**0.00**
008	**B. Finance Costs**	**0.00**	**0.00**
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
010	Bonds	0.00	0.00
011	Foreign currency term loans	0.00	0.00
012	Rupee term loans	0.00	0.00
013	Foreign currency bonds/notes	0.00	0.00
014	Unwinding of discount on account of vendor liabilities	0.00	0.00
015	Others	0.00	0.00
016		0.00	0.00
017	Other Borrowings Costs	0.00	0.00
018	Guarantee Commission	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00
020	Commitment charges/Exposure Premium	0.00	0.00
021	Legal Expenses on foreign currency loans	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00
024	Upfront Fee	0.00	0.00
025	Exchange Differences	0.00	0.00
026	Others	0.00	0.00
027	Exchange differences regarded as adjustment to interest cost	0.00	0.00
028	**Total (B)**	**0.00**	**0.00**
029		0.00	0.00
030	C. Depreciation and amortisation	0.00	0.00
031	**D. Generation , administration and other expenses**	**0.00**	**0.00**
032	Power charges	0.00	0.00
033	Less: Recovered from contractors & employees	0.00	0.00
034	**Sub-total(Net power charges)**	**0.00**	**0.00**
035	Water charges	0.00	0.00
036	Rent	0.00	0.00
037	Repairs & maintenance	0.00	0.00
038	Buildings	0.00	0.00
039	Construction equipment	0.00	0.00
040	Others	0.00	0.00
041	Cost of Captive Coal	0.00	0.00
042	Insurance	0.00	0.00
043	Rates and taxes	0.00	0.00

	For the Year ended	31.03.2020	31.03.2019
044	Communication expenses	0.00	0.00
045	Travelling expenses	0.00	0.00
046	Tender expenses	0.00	0.00
047	Less: Income from sale of tenders	0.00	0.00
048	**Sub-total (Net tender expenses)**	**0.00**	**0.00**
049	Advertisement and publicity	0.00	0.00
050	Security expenses	0.00	0.00
051	Entertainment expenses	0.00	0.00
052	Guest house expenses	0.00	0.00
053	Less: Receipt from guest house	0.00	0.00
054	**Sub-total (Net Guest House Expenses)**	**0.00**	**0.00**
055	Education expenses	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	0.00	0.00
058	Community development expenses	0.00	0.00
059	Professional charges and consultancy fee	0.00	0.00
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	0.00	0.00
062	Printing and stationery	0.00	0.00
063	Miscellaneous expenses	0.00	0.00
064	**Total (D)**	**0.00**	**0.00**
065	**Total (A+B+C+D)**	**0.00**	**0.00**
066	**E. Less: Other Income**	**0.00**	**0.00**
067	Interest from	0.00	0.00
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	0.00
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
073	Sale of scrap	0.00	0.00
074	Exchange Differences	0.00	0.00
075	Miscellaneous income	0.00	0.00
076	**TOTAL (E)**	**0.00**	**0.00**
077	F. Net actuarial gain/loss OCI	0.00	0.00
078		0.00	0.00
079	**GRAND TOTAL (A+B+C+D-E+F)**	**0.00**	**0.00**
080		0.00	0.00
081	*** Balance carried to Capital Work-in-progress - (Note 3)**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 44-A TO THE FINANCIAL STATEMENTS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
001	Balance sheet	0.00	0.00
002	Freehold land for which conveyancing of the title is awaiting completion of legal formalities	0.00	0.00
003	(a) area (in acres)	0.00	0.00
004	(b) value (in rs)	0.00	0.00
005	Right-of-use land for which execution of lease deed is awaiting completion of legal formalities	0.00	0.00
006	(a) area (in acres)	0.00	0.00
007	(b) value (in rs)	0.00	0.00
008	Right-of-use land acquired on perpetual lease and accordingly not amortised	0.00	0.00
009	(a) area (in acres)	0.00	0.00
010	(b) value (in rs.)	0.00	0.00
011	Land in physical possesession of the company which has not been shown in the books pending settlement of price (in acres)	0.00	0.00
012	Deposit with government authorities towards land in possession of the company included in cost of land which is subject to adjus	0.00	0.00
013	Land not in possession of the company	0.00	0.00
014	(a) area (in acres)	0.00	0.00
015	(b) value (in rs)	0.00	0.00
016	Right-of-use buildings pending completion of legal fomalities - value (in rs.)	0.00	0.00
017	Estimated amount of contracts remaining to be executed on capital account and not provided for	0.00	0.00
018	Property, plant & equipment	2,313,397,835.27	3,079,781,530.60
019	Intangible assets	0.00	0.00
020	Details of precommissioning expenditure	0.00	0.00
021	(a) precommissioning expenses	0.00	0.00
022	(b) precommissioning income	0.00	0.00
023	(c) net precommissioning expenditure	0.00	0.00
024	Impact due to change in Accounting policy:-	0.00	0.00
025	(a) Increase in profit/Decrease in depreciation for the year due to change in depreciation on RE assets (Competitive bidding)	0.00	0.00
026	(b) Decrease in profit due to the adjustment in grants recognized consequent to change in policy	0.00	0.00
027		0.00	0.00
028		0.00	0.00
029		0.00	0.00
030		0.00	0.00
031	Exchange rate variation taken to revenue during the year (with -ve sign, if favourable)	649,180.59	42,527,888.31
045	Exchange rate variation capitalised during the year (with -ve sign, if favourable)	21,144,221.85	-9,645,936.29
050	Finance lease	0.00	0.00
051	A) obligations towards minimum lease payments	0.00	0.00
052	Not later than one year	775,026,371.02	568,785,870.75

	As at	31.03.2020	31.03.2019
053	Later than one year and not later than five years	245,211,680.41	450,792,991.50
054	Later than five years	154,982,783.41	120,637,131.00
055	**Total**	**1,175,220,834.84**	**1,140,215,993.25**
056	B) present value of (a) above	0.00	0.00
057	Not later than one year	551,167,712.76	381,190,206.96
058	Later than one year and not later than five years	226,488,061.57	396,383,129.46
059	Later than five years	13,630,092.15	6,720,291.42
060	**Total**	**791,285,866.48**	**784,293,627.84**
061	C) finance charges	383,934,968.36	355,922,365.41
062	Operating leases	0.00	0.00
063	A) rent	0.00	0.00
064	Company lease accomodation - executives	0.00	338,568.72
065	Company lease accomodation - directors	0.00	0.00
066	Others	0.00	0.00
067	**Total**	**0.00**	**338,568.72**
068	B) (i) receipts from sub-lease of office buildings	0.00	0.00
069	(ii) receipts from sub-lease of helicopter	0.00	0.00
070	Borrowing cost capitalised during the year	134,517,261.05	166,921,790.79
071	Revenue grants recognized during the year	0.00	0.00
072	Revenue expenditure on research and development	0.00	0.00
073	Capital expenditure on research and development.	0.00	0.00
074		0.00	0.00
075	Expenditure on sustainibility development - capital	0.00	0.00
076	Expenditure on csr- capital	0.00	0.00
077	Csr amount spent during the year, yet to be paid in cash	0.00	0.00
078	Constn/acquisition of any asset	0.00	0.00
079	On purpose other than above	9,143,441.49	28,145,589.51
080		0.00	0.00
081		0.00	0.00
082	Disclosure under msmed act 2006.	0.00	0.00
083	(i) (a) the principal amount remaining unpaid as at year end	456,025,263.54	378,347,942.00
084	(i) (b) interest due there on remaining unpaid as at Year end	0.00	0.00
085	(ii) the amount of interest paid by the buyer in terms of section 16, along with the amounts of the payment made to the supplier	0.00	0.00
086	(iii) the amount of interest due and payable for the period of delay in making payment(which has been paid but beyond the appoin	0.00	0.00
087	(iv) the amount of interest accrued and remaining unpaid at the end of the year; and	0.00	0.00
088	(v) the amount of further interest remaining due and payable even in the succeeding years, until such date when the interest due	0.00	0.00
111		0.00	0.00

	As at	31.03.2020	31.03.2019
112	Amount of inventories recognized as an expense (including fuel)	39,408,813,370.16	35,527,538,472.33
113	Amount of inventories capitalised as overhauling assets out of 112 above	93,759,287.10	141,553,954.23
114	Amount capitalised as edc out of 112 above	0.00	0.00
134		0.00	0.00
135	Contingent liabilities	0.00	0.00
136	A. Claims against the company not acknowledged as debts in respect of :	0.00	0.00
137	(i)Capital works	347,451,163.23	276,710,320.70
138	(ii)Land compensation cases	0.00	0.00
139	(iii)Others by state authorities towards:-	0.00	0.00
140	(a) Water royalty / water charges / nala tax	0.00	0.00
141	(b) Diversion of land / building permission fees	0.00	0.00
142	(c) Other demands by state authorities	268,642,507.69	255,130,759.17
143	(iv) Others by fuel companies	0.00	0.00
144	(a) Disputes related to grade slippage-third party sampling	8,408,415,014.36	8,230,379,426.10
145	(b) Surface transportation charges on coal	0.00	0.00
146	(c) Take or pay claim - Gas stations	0.00	0.00
147	(d) Other claims by fuel companies not acknowledged as debt	831,397,880.00	658,405,880.00
149	B.Disputed tax demands	0.00	0.00
150	(i) Income tax	0.00	0.00
151	(ii) Excise duty	0.00	0.00
152	(iii) Sales tax	0.00	0.00
153	(iv) Service tax	0.00	0.00
154	(v) Entry tax	0.00	0.00
155	C. Others	20,167,991,444.00	18,772,975,495.13
156	**Total**	**30,023,898,009.28**	**28,193,601,881.10**
157	D. Possible reimbursement on account of contingent liabilities	0.00	0.00
158	(i) Capital works	0.00	0.00
159	(ii)Land compensation cases	0.00	0.00
160	(iii)Others (by state authorities)	0.00	0.00
161		0.00	0.00
162	(iv) Others by fuel companies	8,537,401,041.00	8,230,379,426.00
163	(v) Disputed income tax demand	0.00	0.00
164	(vi) Disputed tax demands -others	0.00	0.00
165	(vii) Others	11,880,156.00	11,880,156.00
167	**Total**	**8,549,281,197.00**	**8,242,259,582.00**
168	E.AMOUNT PAID UNDER PROTEST/ADJUSTED BY AUTHORITIES - TAX CASES	0.00	0.00
169		0.00	0.00
170	F.CONTINGENT ASSETS	0.00	0.00
171		0.00	0.00
172		0.00	0.00
173		0.00	0.00

NOTE NO. 44-A TO THE FINANCIAL STATEMENTS **(Amount in ₹)**

	As at	31.03.2020	31.03.2019
175	Previous year figures have been regrouped/rearranged wherever necessary.	0.00	0.00

BALANCE SHEET FY 2020-21

एनटीपीसी NTPC
A Maharatna Company

FARAKKA SUPER THERMAL POWER STATION

BALANCE SHEET (Amount in ₹)

	As at	Note	31.03.2021	31.03.2020
001	**ASSETS**		0.00	0.00
002			0.00	0.00
003	**Non-Current Assets**		0.00	0.00
004	Property, plant and equipment	2	27,088,116,419.62	27,836,232,210.88
005	Capital-Work-in-Progress	3	4,896,479,080.57	4,442,198,049.86
006	Intangible Assets	4	245,756.22	73,360.55
007	Intangible Assets under Development	5	0.00	0.00
008	**Financial Assets**		0.00	0.00
009	i) Investments in Subsidiaries and Joint Ventures	6	0.00	0.00
010	ii) Investments	7	5,000.00	5,000.00
011	iii) Trade receivables	8	0.00	0.00
012	iv) Loans	9	100,268,682.22	106,271,825.88
013	v) Other financial assets	10	0.00	0.00
014	Other non-current assets	11	762,320,454.76	635,472,061.47
015	**Total non-current assets**		32,847,425,373.39	33,020,252,298.64
016			0.00	0.00
017	**Current Assets**		0.00	0.00
018	Inventories	12	5,456,946,298.55	8,257,294,839.99
019	**Financial assets**		0.00	0.00
020	i) Investments	13	0.00	0.00
021	ii) Trade receivables	14	40,791,472.93	39,088,793.54
022	iii) Cash and cash equivalents	15	204,005.96	35,502.25
023	iv) Bank balances other than cash and cash equivalents	16	0.00	0.00
024	v) Loans	17	87,483,778.05	96,949,595.07
025	vi) Other financial assets	18	66,124,545.41	369,902,132.52
026	Current Tax Assets (net)		0.00	0.00
027			0.00	0.00
028	Other Current Assets	19	18,836,579,393.69	27,569,192,114.39
029			0.00	0.00
030	**Total Current Assets**		24,487,129,494.61	34,322,552,976.16
031	Regulatory deferral account debit balances	20	4,748,473,956.64	2,730,661,311.48
032	**TOTAL ASSETS**		82,083,028,824.64	70,073,466,586.28
034	**EQUITY AND LIABILITIES**		0.00	0.00
035	**Equity**		0.00	0.00
036	Equity Share capital	21	0.00	0.00
037	Other equity	22	83,618,082,296.85	79,895,301,229.63
040	**Total equity**		83,618,082,296.85	79,895,301,229.63
041			0.00	0.00
042	**Liabilities**		0.00	0.00
043	**Non-Current Liabilities**		0.00	0.00
044	**Financial liabilities**		0.00	0.00
045	i) Borrowings	23	50,732,138.83	240,033,913.95

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एनटीपीसी NTPC
A Maharatna Company

FARAKKA SUPER THERMAL POWER STATION

BALANCE SHEET

(Amount in ₹)

	As at	Note	31.03.2021	31.03.2020
046	ii) **Trade payables**		0.00	0.00
047	- Total outstanding dues of micro and small enterprises	24	676,934.43	1,078,058.17
048	- Total outstanding dues of creditors other than micro and small enterprises	24	1,325,479.83	2,519,637.14
049	iii) Other financial liabilities	25	2,682,359.78	2,997,261.54
050	Provisions	26	0.00	0.00
051	Deferred Tax Liabilities (net)	27	0.00	0.00
052	Other non-current liabilities	29	0.00	0.00
053			0.00	0.00
054	**Total non-current liabilities**		55,416,912.85	246,627,970.80
055			0.00	0.00
056	**Current Liabilities**		0.00	0.00
057	**Financial liabilities**		0.00	0.00
058	i) Borrowings	28	0.00	0.00
059	**ii) Trade Payables**		0.00	0.00
060	- Total outstanding dues of micro and small enterprises	30	304,161,911.60	372,979,710.08
061	- Total outstanding dues of creditors other than micro and small enterprises	30	7,911,675,078.55	12,362,676,269.72
062	iii) Other financial liabilities	31	2,150,057,868.62	2,304,900,793.65
063	Other current liabilities	32	319,756,420.40	583,437,275.92
064	Provisions	33	385,218,778.02	392,056,642.13
065	Current tax liabilities (net)	34	0.00	0.00
066			0.00	0.00
067	**Sub Total**		11,070,870,077.19	16,016,050,691.50
068			0.00	0.00
069	Deferred Revenue	35	-8,123,000.00	-8,123,000.00
070	Regulatory deferral account credit balances	36	0.00	0.00
071	Inter Unit Accounts		-32,653,217,462.25	-26,076,390,303.65
072			0.00	0.00
073	**TOTAL EQUITY AND LIABILITIES**		62,063,029,824.64	70,073,466,588.28
074	Significant Accounting Policies as per Note 1	1	0.00	0.00
075			0.00	0.00
076	The accompanying notes 1 to 44 form an integral part of these financial statements		0.00	0.00
077			0.00	0.00
078			0.00	0.00

(Auditor Initial & Stamp)

(Head of Finance)

प्रेमानन्द प्रधान/Premanand Pradhan
महाप्रबंधक (वित्त)
General Manager (F&A)
सम्पदा-I, एनटीपीसी लि० फरक्का
SSC: EP-1, NTPC Ltd., Farakka

(Head of Unit)

डी०एस०जी०एस०एस०बाबजी
D.S.G.S.S.BABJI
कार्यकारी निदेशक
Executive Director
एनटीपीसी लिमिटेड, फरक्का
NTPC Limited, Farakka

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एनटीपीसी NTPC
A Maharatna Company

FARAKKA SUPER THERMAL POWER STATION

STATEMENT OF PROFIT AND LOSS

(Amount in ₹)

	For the Year ended	Note	31.03.2021	31.03.2020
001	**Revenue**		0.00	0.00
002	Revenue from operations	37	48,306,882,616.11	51,005,029,059.43
003	Other income	38	731,557,331.28	3,955,169,269.69
005	**Total Revenue**		**49,037,440,147.39**	**54,960,198,329.12**
007	**Expenses**		0.00	0.00
008	Fuel including cost of captive coal	38A	35,753,241,813.65	39,014,252,818.26
009	Employee benefits expense	39	2,425,652,929.10	2,634,004,165.30
010	Electricity purchased for trading		0.00	0.00
011	Finance costs	40	583,923,145.07	678,030,369.02
012	Depreciation and amortization expenses	41	2,513,725,578.73	2,603,346,537.45
013			0.00	0.00
014	Other expenses	42	5,413,748,007.58	5,453,321,014.87
015	CC expenses charge to revenue		595,875,513.78	739,246,690.06
016	Less: Unit expenses transferred to CC		0.00	0.00
017	**Total expenses**		**47,286,166,787.91**	**51,122,203,584.96**
020	**Profit before exceptional items & tax**		**1,751,273,359.48**	**3,837,994,744.16**
021	Exceptional Item		0.00	0.00
024	**Profit before tax**		**1,751,273,359.48**	**3,837,994,744.16**
027	**Tax expense:**		0.00	0.00
028	Current tax		0.00	0.00
029	Deferred tax		0.00	0.00
030			0.00	0.00
031	**Total Tax expense**		0.00	0.00
032	**Profit for the period before regulatory deferral account balances**		**1,751,273,359.48**	**3,837,994,744.16**
033	**Movement in regulatory deferral account balances**		0.00	0.00
034	Regulatory deferred account - deferred		0.00	0.00
035	Others		2,017,812,645.16	2,192,801,004.17
036	Tax impact on Regulatory deferral account balances		0.00	0.00
037	**Movement in Regulatory deferrall account balances (Net of Tax)**		**2,017,812,645.16**	**2,192,801,004.17**
038	**Profit for the period/ year**		**3,769,086,004.64**	**6,030,795,748.33**
039	**Other comprehensive income**		0.00	0.00
040	**(A) Items that will not be reclassified to profit or loss**		0.00	0.00
041	- Net gains/(losses) on fair value of equity instruments through other comprehensive income		0.00	0.00
042	Income tax on above that will not be reclassified to profit or loss		0.00	0.00
043	- Net actuarial gains/(losses) on defined benefit plans		-46,304,937.42	-100,307,314.03
044	Income tax on above that will not be reclassified to profit or loss		0.00	0.00

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एनटीपीसी NTPC
A Maharatna Company

FARAKKA SUPER THERMAL POWER STATION

STATEMENT OF PROFIT AND LOSS

(Amount in ₹)

	For the Year ended	Note	31.03.2021	31.03.2020
048			0.00	0.00
049	Other comprehensive income for the year, net of income tax		-46,304,937.42	-100,307,314.03
050			0.00	0.00
057	Total Comprehensive Income for the year		3,722,781,067.22	5,930,488,434.30
065			0.00	0.00
066	**Earnings per equity share:**		**0.00**	**0.00**
067	Basic & Diluted		0.00	0.00
068	Significant Accounting Policies		0.00	0.00
069	Expenditure during construction period (Net)-Dev. of coal mines (refr 43 /43A		0.00	0.00
070	The accompanying notes 1 to 44 form an integral part of these financial statements.		0.00	0.00

(Auditor Initial & Stamp)

(Head of Finance)

प्रेमानन्द प्रधान/Premanand Pradhan
महाप्रबंधक (वित्त)
General Manager (F&A)
फरक्का सुपर थर्मल पावर स्टेशन, एनटीपीसी लि॰ फरक्का
FSTPP, NTPC Ltd. Farakka

(Head of Unit)

डी०एस०जी०एस०एस०बाब्जी
D.S.G.S.S.BABJI
कार्यकारी निदेशक
Executive Director
एनटीपीसी लिमिटेड, फरक्का
NTPC Limited, Farakka

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FARAKKA SUPER THERMAL POWER STATION

OTHER COMPREHENSIVE INCOME **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
001		0.00	0.00
002	**Other comprehensive income**	**0.00**	**0.00**
003	**(A) Items that will not be reclassified to profit or loss**	**0.00**	**0.00**
004	- Net gains/(losses) on fair value of equity instruments through other comprehensive income	0.00	0.00
005	Income tax on above that will not be reclassified to profit or loss	0.00	0.00
006	- Net acturial gains/(losses) on defined benefit plans	-46,304,937.42	-100,307,314.03
007	Income tax on above that will not be reclassified to profit or loss	0.00	0.00
008		0.00	0.00
009	(B) Items that will be reclassified to profit or loss	0.00	0.00
010	Income tax relating to above items that will be reclassified to profit or loss	0.00	0.00
011		0.00	0.00
012	**Other comprehensive income for the year, net of income tax**	**-46,304,937.42**	**-100,307,314.03**
013		0.00	0.00
014	**Total comprehensive income for the year (A+B)**	**-46,304,937.42**	**-100,307,314.03**

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2021	Opening Depreciation As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2021	Net Block As At 31.03.2021	Net Block As At 31.03.2020
1 TANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Land : (including development expenses)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Freehold	1652189841.42	1917204.00	0.00	1654107045.42	0.00	0.00	0.00	0.00	1654107045.42	1652189841.42
4 Right of Use	148101173.62	0.00	0.00	148101173.62	28044005.16	6834990.11	0.00	34878995.27	113222178.35	120057168.46
5 Submergence	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Right of use - Coal Bearing Area Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 Roads,bridges, culverts & helipads	322435942.02	0.00	0.00	322435942.02	70725941.02	14138969.72	0.00	84864910.74	237571031.28	251710001.01
8 Building :	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 Freehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Main plant	2231150022.06	0.00	0.00	2231150022.06	626979502.83	97876744.06	0.00	724856246.89	1506293775.17	1604170519.23
11 Others	1227307717.01	0.00	4963124.60	1232270841.61	242355351.17	44611559.28	0.00	286966910.45	945303931.16	984952365.84
12 Right of Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Temporary erection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 Water Supply, drainage & sewerage system	145305604.70	0.00	0.00	145305604.70	44743796.92	8642409.25	0.00	53386206.17	91919398.53	100561807.78
15 Hydraulic works, barrages, dams, tunnels and power channel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 MGR track and signalling system	935176275.92	0.00	(11148913.18)	924027362.74	374998688.02	71613039.64	0.00	446611727.66	477415635.08	560177587.90
17 Railway siding	3166441.50	0.00	0.00	3166441.50	0.00	0.00	0.00	0.00	3166441.50	3166441.50
18 Earth dam reservoir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19 Plant and machinery(including associated civil works) Owned Asset	31883743436.96	1758119138.93	(538184042.54)	33103678533.35	10318569650.79	2360884420.24	(711095561.65)	11968358509.38	21135320023.97	21565173786.21

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2021	Opening Depreciation As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2021	Net Block As At 31.03.2021	Net Block As At 31.03.2020
20 Plant and machinery(including associated civil works) -Right of use Asset	857760000.00	0.00	0.00	857760000.00	236280000.00	47520000.00	0.00	283800000.00	573960000.00	621480000.00
21 Furniture and fixtures	139839974.41	1739013.00	(468165.32)	141110822.09	40596564.92	9868651.30	(104009.12)	50361207.10	90749614.99	99243412.29
22 Assets under 5 Km Scheme	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 Vehicles including speedboats / helicopter-Owned	3315983.29	1653000.00	(9742.63)	4959240.66	1796280.93	423892.10	0.00	2220173.03	2739067.63	1519702.36
24 Vehicles including speedboats / helicopter - Leased	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Office equipment	95032523.88	7317905.19	(325371.51)	102025057.56	35128110.21	10779395.38	(315423.05)	45592082.54	56432975.02	59904413.67
26 EDP, WP machines and satcom equipment	63167566.85	10617640.00	(1204715.03)	72580491.82	45084038.67	12548138.14	(1204715.03)	56427461.78	16153030.04	18083528.18
27 Construction equipments	112121100.59	0.00	(1158996.63)	110962103.96	60558643.75	8473281.99	0.00	69031925.74	41930178.22	51562456.84
28 Electrical Installations	126994908.51	0.00	23600.00	127018508.51	51979465.65	11634332.43	0.00	63613798.08	63404710.43	75015442.86
29 Communication equipments	37969519.79	17406480.33	(3780.66)	55372219.46	12762875.50	2474369.14	0.00	15237244.64	40134974.82	25206644.29
30 Hospital equipments	26744818.57	0.00	(438369.53)	26306449.04	5983978.84	1408438.71	(61652.60)	7330764.95	18975684.09	20760839.73
31 Laboratory and workshop equipments	31193904.20	0.00	0.00	31193904.20	9897650.04	1979530.24	0.00	11877180.28	19316723.92	21296254.16
32 Capital expenditure on assets not owned by the Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33 Assets of Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2021	Opening Depreciation As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2021	Net Block As At 31.03.2021	Net Block As At 31.03.2020
34 Less:Grants from Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35 Less: Recoverable from GOI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36 Assets for ash utilisation	4479551.00	0.00	0.00	4479551.00	0.00	0.00	0.00	0.00	4479551.00	4479551.00
37 (Less):-Adjusted from fly ash utilisation reserve fund	4479551.00	0.00	0.00	4479551.00	0.00	0.00	0.00	0.00	4479551.00	4479551.00
38 Site Restoration Cost	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Mining Properties	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total (Tangible)	40042716755.30	1798770381.45	(547955372.43)	41293531764.32	12206484544.42	2711712161.73	(712781361.45)	14205415344.70	27088116419.62	27836232213.73
Grand Total Prev Year (Tangible)	37442539236.69	1501861374.28	1098316144.33	40042716755.30	9681363518.58	2791479390.57	(266358364.73)	12206484544.42	27836232210.88	27761175720.96

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	Tangible As At: 31.03.2021	**Tangible As At: 31.03.2020**	**Tangible As At: 31.03.2021**	**Tangible As At: 31.03.2020**
Disposal of assets	(1251873.99)	(4152620.34)	(1251873.99)	(1266994.22)
Retirement of assets	(786169679.03)	(297237933.13)	(711576646.42)	(264620759.72)
Cost adjustments	239419021.63	92581727.09	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	47158.96	1307124970.71	47158.96	(470610.79)
Others	0.00	0.00	0.00	0.00
TOTAL	**(547955372.43)**	**1098316144.33**	**(712781361.45)**	**(266358364.73)**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet
Note 3: Capital-Work-in-Progress
Business Area: FARAKKA SUPER THERMAL POWER STATION

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2020	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2021
	1	2	3	4	5	6
1	CAPITAL WORK-IN-PROGRESS					
2	Development of land		3434616.00			3434616.00
3	Roads, bridges, culverts & helipads	682222551.28	12284241.10			694506792.38
4	Piling and foundation					
5	Buildings :					
6	Main plant		46636911.15	(46636911.15)		
7	Others		6194579.16	(6194579.16)		
8	Temporary erection					
9	Water supply, drainage and sewerage system					
10	Hydraulic works, barrages, dams, tunnels and power channel					
11	MGR track and signalling system					
12	Railway siding					
13	Earth dam reservoir					
14	Plant and equipment	3936892858.08	1507724624.65	(887981024.53)	261772602.30	4294863855.90
15	Furniture and fixtures	566836.00	480036.00	372045.00	1418917.00	
16	Vehicles					
17	Office equipment	502445.60	17700.00		520145.60	
18	EDP/WP machines & satcom equipment					
19	Construction equipments					
20	Electrical installations	85625275.89	17747082.63	(28552861.64)		74819496.88
21	Communication equipment					
22	Hospital equipments					
23	Laboratory and workshop equipments					
24	Assets under 5Km Scheme of the GOI					
25	Capital expenditure on assets not owned by the company					
26	Expenditure towards development of coal mines					
27	Survey,Investigation,Consultancy & Supervision Cha	28264237.90	459576.00	365283.63		29089097.53
28	Difference in exchange on foreign currency loans					

Note forming part of Balance Sheet
Note 3: Capital-Work-in-Progress
Business Area: FARAKKA SUPER THERMAL POWER STATION

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2020	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2021
	1	2	3	4	5	6
29	Expenditure towards diversion of forest land					
30	Pre-commissioning expenses (net)					
31	ExpPendAlloca-oth ex attribut Project					
32	Expenditure During Construction Period (net)*	345024270.85	208630306.82			553654577.67
33	LESS : Allocated to related works		157067761.61			157067761.61
34	LESS : Provision for Unservicable works	783927575.01	66321112.64			850248687.65
35	**Construction stores (At Cost)**					
36	Steel	61842667.07	108446365.08	(30042600.18)		140246431.97
37	Cement	5733056.32	6456007.69	(2121172.32)		10067891.69
38	Others	79451425.88	80655114.56	(56993770.63)		103112769.81
39	**Sub-total**	**147027149.27**	**195557487.33**	**(89157543.13)**		**253427093.47**
40	LESS : Provision for shortages					
41	**Sub-total**	**147027149.27**	**195557487.33**	**(89157543.13)**		**253427093.47**
42	**Total CWIP**	**4442198049.86**	**1775778286.59**	**(1057785590.98)**	**263711664.90**	**4896479080.57**
43						
44						
45	**PREVIOUS YEAR TOTAL**	**3902914993.46**	**1594948275.29**	**(62740139.81)**	**967991824.89**	**4442198049.86**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet
Note-4 Non Current Assets- Intangible Assets
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2021	Opening Depreciation As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2021	Net Block As At 31.03.2021	Net Block As At 31.03.2020
INTANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 Right to Use- Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 -Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 -Software	895875.00	336300.00	0.00	1232175.00	822514.45	163904.33	0.00	986418.78	245756.22	73360.55
Grand Total (Intangible)	895875.00	336300.00	0.00	1232175.00	822514.45	163904.33	0.00	986418.78	245756.22	73360.55
Grand Total Prev Year (Intangible)	895875.00	0.00	0.00	895875.00	770710.12	51804.33	0.00	822514.45	73360.55	125164.88

Note forming part of Balance Sheet
Note-4 Non Current Assets- Intangible Assets
Business Area :1024

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	InTangible As At: 31.03.2021	**InTangible As At: 31.03.2020**	**InTangible As At: 31.03.2021**	**InTangible As At: 31.03.2020**
Disposal of assets	0.00	0.00	0.00	0.00
Retirement of assets	0.00	0.00	0.00	0.00
Cost adjustments	0.00	0.00	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	0.00	0.00	0.00	0.00
Others	0.00	0.00	0.00	0.00
TOTAL	**0.00**	**0.00**	**0.00**	**0.00**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet

(Amount in Rupees)

Note 5: Intangible Assets under Development

Business Area: FARAKKA SUPER THERMAL POWER STATION

Sl No	Asset Class	As At 01.04.2020	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2021
	1	2	3	4	5	6
1	INTANGIBLE ASSETS UNDER DEVELOPMENT					
2	Software					
3	Right to use Others					
4	Exploration and Evaluation Expentiture - Coal Mini					
5	Exploratory wells-in-progress					
6	**Less: Provision for exploratory wells-in-progress**					
7	**Total**					
8	**PREVIOUS YEAR TOTAL-I**					

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES **(Amount in ₹)**

	As at	No. of shares	Face value	31.03.2021	31.03.2020
001	**NON CURRENT INVESTMENTS-Investments in subsidiaries and joint ventures**			**0.00**	**0.00**
012	**Equity Instruments - Unquoted-(fully paid up unless otherwise stated, at cost)**			**0.00**	**0.00**
013	**Subsidiary Companies**			**0.00**	**0.00**
014	Patratu Vidyut Utpadan Nigam Ltd.			0.00	0.00
015	NTPC Electric Supply Company Ltd.			0.00	0.00
016	NTPC Vidyut Vyapar Nigam Ltd.			0.00	0.00
017	Nabinagar Power Generating Company Ltd.			0.00	0.00
018	Kanti Bijlee Utpadan Nigam Ltd.			0.00	0.00
019	Bhartiya Rail Bijlee Company Ltd.			0.00	0.00
020	NTPC Mining Ltd (NML)			0.00	0.00
021	THDC India Ltd.			0.00	0.00
022	NEEPCO LTD.			0.00	0.00
023	NTPC EDMC Waste Solutions Pvt Ltd			0.00	0.00
024	NTPC Renewables Energy Ltd			0.00	0.00
025	Ratnagiri Gas & Power Pvt. Limited (RGPPL)			0.00	0.00
026				0.00	0.00
027				0.00	0.00
028				0.00	0.00
029				0.00	0.00
030	**Sub Total**			**0.00**	**0.00**
055	**Joint Venture Companies**			**0.00**	**0.00**
056	Utility Powertech Ltd.			0.00	0.00
057	NTPC GE Power Services Pvt.Ltd.			0.00	0.00
058	NTPC-SAIL Power Company Ltd.			0.00	0.00
059	NTPC-Tamil Nadu Energy Company Ltd.			0.00	0.00

	As at	No. of shares	Face value	31.03.2021	31.03.2020
060	Ratnagiri Gas & Power Pvt. Limited (RGPPL)			0.00	0.00
061	Aravali Power Company Private Ltd.			0.00	0.00
062				0.00	0.00
063	NTPC BHEL Power Projects Private Ltd.			0.00	0.00
064	Meja Urja Nigam Private Limited			0.00	0.00
065	BF-NTPC Energy Systems Ltd.			0.00	0.00
066				0.00	0.00
067	Nabinagar Power Generating Company Ltd.			0.00	0.00
068	Transformer and Electrical Kerala Ltd.			0.00	0.00
069	National High Power Test Labortory Private Ltd.			0.00	0.00
070				0.00	0.00
071	CIL NTPC Urja Private Ltd.			0.00	0.00
072	Anushakti Vidhyut Nigam Ltd.			0.00	0.00
073	Energy Efficiency Services Ltd.			0.00	0.00
074				0.00	0.00
075	Trincomalee Power Company Ltd.			0.00	0.00
076	Bangladesh-India Friendship Power Company (Pvt.) Ltd.			0.00	0.00
077	Hindustan Urvarak & Rasayan Limited			0.00	0.00
078	Konkan LNG Ltd			0.00	0.00
079				0.00	0.00
081	**Sub Total**			**0.00**	**0.00**
109	Aggregate amount of impairment in the value of investments			0.00	0.00
110	Total (net of impairment) of JV			0.00	0.00
111	Gross Total of Investments			0.00	0.00
134	**Total**			**0.00**	**0.00**
135	Details of Investments			0.00	0.00

NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES **(Amount in ₹)**

	As at	No. of shares	Face value	31.03.2021	31.03.2020
136	Aggregate amount of Unquoted Investments			0.00	0.00
141				0.00	0.00
142				0.00	0.00
143				0.00	0.00
144				0.00	0.00
145				0.00	0.00
153	Valuation of Investments as per Note 1.			0.00	0.00
154				0.00	0.00
202				0.00	0.00
233				0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 7 TO THE FS-NCA-INVESTMENTS **(Amount in ₹)**

	As at	No. of shares	Face value	31.03.2021	31.03.2020
001	Non-current financial assets (investments)			0.00	0.00
006	**Long Term - Trade**			**0.00**	**0.00**
007	**Equity Instruments (fully paid up-unless otherwise stated)**			**0.00**	**0.00**
008	**Quoted**			**0.00**	**0.00**
009	**Joint Venture Companies**			**0.00**	**0.00**
010	PTC India Ltd.			0.00	0.00
070	International Coal Ventures Private Ltd.			0.00	0.00
075	BF-NTPC Energy Systems Ltd.			0.00	0.00
098				0.00	0.00
110	Cooperative Societies			5,000.00	5,000.00
111	**Sub Total**			**5,000.00**	**5,000.00**
112	Aggregate amount of impairment in the value of investments			0.00	0.00
115	**Total**			**5,000.00**	**5,000.00**
120				0.00	0.00
146	NTPC Employees Consumers and Thrift Co-operative Society Ltd. Korba			0.00	0.00
147	NTPC Employees Consumers and Thrift Cooperative Society Ltd. RSTPP			0.00	0.00
148	NTPC Employees Consumers Cooperative Society Ltd. Farakka			0.00	0.00
149	NTPC Employees Consumers Cooperative Society Ltd. Vindhyachal			0.00	0.00
150	NTPC Employees Consumers Cooperative Society Ltd. Anta			0.00	0.00
151	NTPC Employees Consumers Cooperative Society Ltd. Kawas			0.00	0.00
152	NTPC Employees Consumers Cooperative Society Ltd. Kaniha			0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 8 TO THE FS-NCA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	Non-current financial assets - Trade receivables	0.00	0.00
002	Unsecured, considered good	0.00	0.00
003	Credit impaired	0.00	0.00
004		0.00	0.00
005		0.00	0.00
006	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 9 TO THE FS-NCA-LOANS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**Loans (Non Current)**	**0.00**	**0.00**
004	Related Parties	0.00	0.00
005	Secured	0.00	0.00
006	Un-Secured	0.00	0.00
007	With significant increase in Credit Risk	0.00	0.00
008	Credit impaired	0.00	0.00
009		0.00	0.00
010	Employees(including accrued interest)	0.00	0.00
011	Secured	75,918,669.56	80,295,352.03
012	Unsecured	57,754,557.60	63,097,043.56
013	With significant increase in Credit Risk	0.00	0.00
014	Credit impaired	0.00	0.00
015	Less : Employee Loans Discounting	0.00	0.00
016	Secured	24,014,185.88	25,209,368.49
017	Unsecured	9,400,379.06	11,911,401.22
018	Loan to State Government in settlement of dues from customers (Unsecured)	0.00	0.00
019	Others	0.00	0.00
020	Secured	0.00	0.00
021	Unsecured	0.00	0.00
022	With significant increase in Credit Risk	0.00	0.00
023	Credit impaired	0.00	0.00
024	Less: Allowance for credit impaired loans	0.00	0.00
025	**Sub Total**	**100,258,662.22**	**106,271,625.88**
026		0.00	0.00
027	**Total**	**100,258,662.22**	**106,271,625.88**
028		0.00	0.00
029		0.00	0.00
030	**Due from Directors and Officers of the Company**	**0.00**	**0.00**
031	Directors	0.00	0.00
032	Officers	0.00	0.00
033		**0.00**	**0.00**
034	**Loans to related parties include:**	**0.00**	**0.00**
035	i)Key management personel	0.00	0.00
036	ii)Subsidiary companies	0.00	0.00
037	iii)Joint Venture companies	0.00	0.00
038	iv)Others	0.00	0.00
039		**0.00**	**0.00**
054	Other loans represent loans given to	0.00	0.00
055	a) APIIC	0.00	0.00
060		0.00	0.00
061	RPD	0.00	0.00
062	i)Key management personel	0.00	0.00
063	ii)Subsidiary companies	0.00	0.00
064	iii)Joint Venture companies	0.00	0.00
065	iv)Others	0.00	0.00

NOTE NO. 9 TO THE FS-NCA-LOANS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
066	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 10 TO THE FS-NCA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**Other Financial Assets (non current)**	**0.00**	**0.00**
002		0.00	0.00
003	**Share application money pending allotment in (Subsidiary Companies) :**	**0.00**	**0.00**
004	NTPC Electric Supply Company Ltd.	0.00	0.00
005	NTPC Vidyut Vyapar Nigam Ltd.	0.00	0.00
006	Nabinagar Power Generating Company Ltd.	0.00	0.00
007	Kanti Bijlee Utpadan Nigam Ltd.	0.00	0.00
008	Bhartiya Rail Bijlee Company Ltd.	0.00	0.00
009	Patratu Vidyut Utpadan Nigam Ltd.	0.00	0.00
010	NTPC Mining Limited	0.00	0.00
011	THDC Ltd.	0.00	0.00
012	NEEPCO Ltd	0.00	0.00
013		0.00	0.00
014	**Total**	**0.00**	**0.00**
015	**Share application money pending allotment (Joint Venture)**	**0.00**	**0.00**
016	Utility Powertech Ltd.	0.00	0.00
017	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
018	NTPC-SAIL Power Company Ltd.	0.00	0.00
019	NTPC-Tamil Nadu Energy Company Ltd.	0.00	0.00
020	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
021	Aravali Power Company Private Ltd.	0.00	0.00
022		0.00	0.00
023	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
024	Meja Urja Nigam Private Limited	0.00	0.00
025	BF-NTPC Energy Systems Ltd.	0.00	0.00
026	Anushakti Vidhyut Nigam Ltd.	0.00	0.00
027	Nabinagar Power Generating Company Ltd.	0.00	0.00
028	Energy Efficiency Services Ltd.	0.00	0.00
029	National High Power Test Labortory Private Ltd.	0.00	0.00
030		0.00	0.00
031	CIL NTPC Urja Private Ltd.	0.00	0.00
032	Trincomalee Power Company Ltd.	0.00	0.00
033	Hindustan Urvarak & Rasayan Limited	0.00	0.00
034	Bangladesh-India Friendship Power Company Private Ltd.	0.00	0.00
035	**Sub Total**	**0.00**	**0.00**
036		0.00	0.00
037	Claims Recoverable	0.00	0.00
038	Finance Lease Recoverable	0.00	0.00
039	Mine Closure Deposit	0.00	0.00
041	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**Other Non-current Assets**	**0.00**	**0.00**
002		**0.00**	**0.00**
003	**CAPITAL ADVANCES**	**0.00**	**0.00**
004	Secured	0.00	0.00
005	Unsecured	0.00	0.00
006	Covered by Bank Guarantee	617,032,641.12	124,601,470.41
007	Others	115,368,700.32	477,654,587.60
008	Considered doubtful	173,871,877.33	174,087,592.33
009	Less: Allowance for bad & doubtful advances	173,871,877.33	174,087,592.33
010	**Sub-Total**	**732,401,341.44**	**602,256,058.01**
011		0.00	0.00
012	Advances other than capital advances	0.00	0.00
013	Security deposits	1,934,000.00	1,934,000.00
019	Advances to Related parties	0.00	0.00
022	**Advances to Contractors & Suppliers**	**0.00**	**0.00**
023	Secured	0.00	0.00
024	Unsecured	0.00	1,125,700,000.00
025	Considered Doubtful	1,125,700,000.00	0.00
026	Less: Allowance for bad & doubtful advances	1,125,700,000.00	1,125,700,000.00
027	**Sub Total**	**1,934,000.00**	**1,934,000.00**
028	Receivable from MCP Escrow A/c	0.00	0.00
039	Advance tax & tax deducted at source	990,527.68	275,583.00
040	Less:- Provision for current tax	0.00	0.00
041		0.00	0.00
042	**Sub Total**	**990,527.68**	**275,583.00**
043	Deferred Payroll Expenses (Secured)	20,643,402.60	22,406,366.12
044	Deferred Payroll Expenses (Unsecured)	6,351,183.04	8,600,044.34
045	**Sub Total**	**26,994,585.64**	**31,006,410.46**
046	Deferred Foreign Currency Fluctuation Asset	0.00	0.00
048	**Total**	**762,320,454.76**	**635,472,051.47**
049		0.00	0.00
050		0.00	0.00
061	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
063		0.00	0.00
064	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
065		0.00	0.00
066	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
067	Aravali Power Company Private Ltd.	0.00	0.00
068	NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
069	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
070	Meja Urja Nigam Private Limited	0.00	0.00
071	Nabinagar Power Generating Company Ltd.	0.00	0.00
072	National High Power Test Labortory Private Ltd.	0.00	0.00
074	CIL NTPC Urja Private Ltd.	0.00	0.00
076		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
077	**Related Party (Adv)**	**0.00**	**0.00**
078	Key Management personel	0.00	0.00
079	Subsidiary companies	0.00	0.00
080	Joint Venture companies	0.00	0.00
081	Contractors	0.00	0.00
082	Others	0.00	0.00
084		0.00	0.00
085	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 12 TO THE FS-CA-INVENTORIES **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**INVENTORIES**	**0.00**	**0.00**
002		**0.00**	**0.00**
003	Coal	2,080,480,689.85	2,826,937,627.35
004	Fuel oil	228,974,589.87	273,316,461.41
005	Naphtha	0.00	0.00
006	Stores and spares	2,446,690,728.00	2,390,555,988.43
007	Chemicals & consumables	156,522,219.60	150,793,916.22
008	Loose tools	13,260,181.74	13,868,385.69
009	Steel Scrap	282,026.80	700,676.19
010	Others*	718,407,621.34	766,340,566.01
011	**Sub Total**	**5,644,618,057.20**	**6,422,513,621.30**
012	Less: Provision for shortages	87,907,640.31	62,452,185.70
013	Less: Provision for obsolete/ unservicable/dimunition in value of surplus inventory	99,764,118.34	102,766,595.61
014		0.00	0.00
015	**Total**	**5,456,946,298.55**	**6,257,294,839.99**
016	**Inventories include material in transit**	**0.00**	**0.00**
017	Coal	192,521,429.31	187,772,087.19
018	Fuel oil	0.00	0.00
019	Naphtha	0.00	0.00
020	Stores and spares	8,320,950.32	31,463,326.50
021	Chemicals & consumables	93,260.50	93,260.50
022	Loose tools	0.00	0.00
023	Others	8,455,230.69	15,607,455.31
024		**0.00**	**0.00**
025	Inventory items other than steel scrap have been valued considering Note 1.	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 13 TO THE FS-CA-INVESTMENTS **(Amount in ₹)**

	As at	No. of shares	Face value	31.03.2021	31.03.2020
001	**CURRENT INVESTMENTS**			**0.00**	**0.00**
002	**(Valuation as per Note 1)**			**0.00**	**0.00**
003				0.00	0.00
033	Investment in Mutual Funds (Details as under)			0.00	0.00
034	SBI-Magnum Insta Cash Fund-DDR			0.00	0.00
035	SBI Premier Liquid Fund Super-IP-DDR			0.00	0.00
036	SBI-SHF Ultra Short Term Fund-IP-DDR			0.00	0.00
037	UTI Money Market-IP-Direct-Growth			0.00	0.00
038	IDBI-Liquid plan- Direct-Growth			0.00	0.00
039	Canara Robeco Liquid Fund Super-IP-DDR			0.00	0.00
040	Canara Robeco Treasury Advantage Fund Super-IP-DDR			0.00	0.00
041	IDBI Liquid Fund-DDR			0.00	0.00
042	SBI Premier Liquid fund-Direct DDR (Ash Fund)			0.00	0.00
043	UTI Liquid CashPlan - IP - DDR (Ash Funds)			0.00	0.00
044	IDBI Liquid Fund - DDR - (Ash Funds)			0.00	0.00
045	Baroda Liquid Fund - Direct - Growth			0.00	0.00
046	**Sub Total**			**0.00**	**0.00**
047				**0.00**	**0.00**
052	**Unquoted Investments**			**0.00**	**0.00**
054				0.00	0.00
066	**TOTAL**			**0.00**	**0.00**
067				0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 14 TO THE FS-CA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**TRADE RECEIVABLES (current)***	**0.00**	**0.00**
002		0.00	0.00
003	Secured,Considered Good	0.00	0.00
004	Unsecured , considered good	40,791,472.93	39,088,793.94
005	Credit impaired	0.00	0.00
006	**Sub-Total**	**40,791,472.93**	**39,088,793.94**
007	**Total**	**40,791,472.93**	**39,088,793.94**
008	Less: Allowance for credit impaired receivables	0.00	0.00
009	**Total**	**40,791,472.93**	**39,088,793.94**
010	Less: Discom Clearing	0.00	0.00
012	**Grand Total**	**40,791,472.93**	**39,088,793.94**
013	* After adjustment for Unbilled Revenue	0.00	0.00
014	Long-term trade receivables	0.00	0.00
015	TCS Clearing	0.00	0.00
016	Discom Clearing	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 15 TO THE FS-CA-CASH AND CASH EQUIVALENTS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**CASH & BANK BALANCES**	**0.00**	**0.00**
002	**Cash & Cash Equivalents**	**0.00**	**0.00**
003	Balances with Banks	202,120.98	33,617.25
004	Cheques & Drafts on hand	0.00	0.00
005	Cash on hand	0.00	0.00
006	Others (stamps in hand)	1,885.00	1,885.00
007	Bank deposits with original maturity upto three months	0.00	0.00
008	Balances with RBI	0.00	0.00
009		0.00	0.00
010	**Total**	**204,005.98**	**35,502.25**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 16 TO THE FS-CA-BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS (Amount in ₹)

	As at	31.03.2021	31.03.2020
001	**Other Bank Balances**	**0.00**	**0.00**
002	Deposits with original maturity of more than three months but not more than twelve months	0.00	0.00
003	Earmarked balances with banks*	0.00	0.00
004	**SubTotal**	**0.00**	**0.00**
005	Interest accrued on deposits	0.00	0.00
006		0.00	0.00
007	**Total**	**0.00**	**0.00**
008		0.00	0.00
009	**Earmarked balances with banks consist of :**	**0.00**	**0.00**
010	Unpaid dividend account balance	0.00	0.00
011	Towards public deposit repayment reserve	0.00	0.00
012	Towards redemption of bonds due for repayment within one year	0.00	0.00
013	Security with Government/other authorities	0.00	0.00
014	Unpaid refund/interest account balance - Tax free bonds/ Bonus Debentures	0.00	0.00
015	Earmarked for RGGVY/DDUGJY/SAUBHAGYA Fund	0.00	0.00
016	Earmarked for Flyash Utilisation Reserve Fund	0.00	0.00
017	Deposits with original maturity upto three months as per court orders	0.00	0.00
018	Payment Security Scheme of MNRE NSM (NTPC)	0.00	0.00
019	Payment Security Scheme of MNRE NSM (NVVN)	0.00	0.00
020	Enforcement Directorate of Solar Plant(NVVN)	0.00	0.00
021	Bank guarantee Fund of MNRE (NVVN)	0.00	0.00
022	Others	0.00	0.00
023		0.00	0.00
024		0.00	0.00
025		0.00	0.00
026	**Sub-total**	**0.00**	**0.00**
030	**Total**	**0.00**	**0.00**
031		0.00	0.00
032	Bank deposits with original maturity of less than three months- other than earmarked	0.00	0.00
033	Bank deposits with original maturity of more than three months but not more than twelve months- other than earmarked	0.00	0.00
034	Earmarked bank balances (current account)	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 17 TO THE FS-CA-LOANS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**Current financial assets - Loans**	**0.00**	**0.00**
002	**Loans (current)-including interest accrued**	**0.00**	**0.00**
004	**Related Parties**	**0.00**	**0.00**
005	Secured	0.00	0.00
006	Un-Secured	0.00	0.00
007	With significant increase in Credit Risk	0.00	0.00
008	Credit impaired	0.00	0.00
009		**0.00**	**0.00**
010	**Employees**	**0.00**	**0.00**
011	Secured	19,826,439.47	20,955,398.25
012	Unsecured	67,657,338.58	75,994,196.82
013	With significant increase in Credit Risk	0.00	0.00
014	Credit impaired	0.00	0.00
015	Less : Employee Loans Discounting	0.00	0.00
016	**Loan to State Government in settlement of dues from customers (Unsecured)**	**0.00**	**0.00**
017		0.00	0.00
018	**Others**	**0.00**	**0.00**
019	Secured	0.00	0.00
020	Unsecured	0.00	0.00
021	With significant increase in Credit Risk	0.00	0.00
022	Credit impaired	0.00	0.00
023		**0.00**	**0.00**
024	Less: Allowance for credit impaired loans	0.00	0.00
025	**Total (Loans)**	**87,483,778.05**	**96,949,595.07**
026		**0.00**	**0.00**
027	**Due from Directors and Officers of the Company**	**0.00**	**0.00**
028	Directors	0.00	0.00
029	Officers	0.00	0.00
030		**0.00**	**0.00**
031	**Loans to related parties include:**	**0.00**	**0.00**
032	i)Key management personel	0.00	0.00
033	ii)Subsidiary companies	0.00	0.00
034	KBUNL	0.00	0.00
035	RGPPL	0.00	0.00
036	NVVN	0.00	0.00
037	iii)Joint Venture companies	0.00	0.00
038	iv)others	0.00	0.00
039		0.00	0.00
059	RPD	0.00	0.00
060	i)Key management personel	0.00	0.00
061	ii)Subsidiary companies	0.00	0.00
062	iii)Joint Venture companies	0.00	0.00
063	iv)Others	0.00	0.00
064		0.00	0.00
065	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**Other Financial Assets (current)**	**0.00**	**0.00**
002		0.00	0.00
003	**ADVANCES**	**0.00**	**0.00**
004		**0.00**	**0.00**
005	**Related Parties**	**0.00**	**0.00**
006	Secured	0.00	0.00
007	Un-Secured	-6,288,885.04	-6,271,153.46
008	Considered doubtful	0.00	0.00
009		**0.00**	**0.00**
010	**Employees**	**0.00**	**0.00**
012	Unsecured	2,319,086.93	4,398,321.17
013	Considered Doubtful	100,553.00	100,553.00
014		**0.00**	**0.00**
020	**Others**	**0.00**	**0.00**
021	Secured	0.00	0.00
022	Unsecured	5,000,000.00	5,000,000.00
023	Considered Doubtful	0.00	0.00
024		**0.00**	**0.00**
025	Less: Allowance for bad & doubtful advances	100,553.00	100,553.00
026		**0.00**	**0.00**
033	**Total (Advances)**	**1,030,201.89**	**3,127,167.71**
044		**0.00**	**0.00**
045	**Claims Recoverable**	**0.00**	**0.00**
046	Secured	0.00	0.00
047	Unsecured, considered good	2,316,765.71	1,716,688.21
048	Considered Doubtful	0.00	0.00
049	Less:- Allowance for doubtful claims	0.00	0.00
050	Others-Claims Recoverable	0.00	0.00
051		**0.00**	**0.00**
052	Unbilled Revenue	0.00	0.00
053	Hedging cost recoverable from beneficiaries	0.00	0.00
054	Derivative MTM Asset	0.00	0.00
055	Finance Lease Receivable	0.00	0.00
056	Mine Closure Deposit	0.00	0.00
057	**Other Accrued Income**	**0.00**	**0.00**
058	Secured,Considered Good	0.00	0.00
059	Unsecured , considered good	62,777,577.81	355,124,076.60
060	Credit impaired	0.00	0.00
061	Sub-Total	62,777,577.81	355,124,076.60
062	Less: Allowance for credit impaired receivables	0.00	0.00
063	**Total**	**0.00**	**0.00**
064		0.00	0.00
065	Others*	0.00	24,200.00
066	**Total**	**66,124,545.41**	**359,992,132.52**
067	* Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00

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FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
068	**Advances to related parties include:**	**0.00**	**0.00**
069	i)Key management personel	0.00	0.00
070	ii)Subsidiary companies	0.00	0.00
071	iii)Joint Venture companies	0.00	0.00
072	iv)Contractors	0.00	0.00
073	v)Others	0.00	0.00
074		**0.00**	**0.00**
075	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
076		**0.00**	**0.00**
077		0.00	0.00
078	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
079	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
080	Aravali Power Company Private Ltd.	0.00	0.00
081	NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
082	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
083	Meja Urja Nigam Private Limited	0.00	0.00
084	Nabinagar Power Generating Company Ltd.	0.00	0.00
085	National High Power Test Labortory Private Ltd.	0.00	0.00
086	International Coal Ventures Private Ltd.	0.00	0.00
087	CIL NTPC Urja Private Ltd.	0.00	0.00
089	Bangladesh-India Friendship Power Co. Pvt.Ltd	0.00	0.00
090	TCS Clearing	0.00	0.00
091	Related Party (Adv)- Employee	0.00	0.00
092	Related Party (Adv)- Subsidiaries	0.00	0.00
093	Related Party (Adv)- Joint Ventures	0.00	0.00
094	Related Party (Adv)- Contractors	0.00	0.00
095	Related Party (Adv)- Others	-6,288,885.04	-6,271,153.46
096		0.00	0.00
097		0.00	0.00
098		0.00	0.00
099		0.00	0.00
100	**Total**	**-6,288,885.04**	**-6,271,153.46**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**OTHER CURRENT ASSETS**	**0.00**	**0.00**
002	Security Deposits (Unsecured)	0.00	0.00
003	Deposit with Customs, port trust & others*	5,000,655,458.00	5,000,702,758.00
004	**ADVANCES**	**0.00**	**0.00**
005		**0.00**	**0.00**
006	**Related Parties**	**0.00**	**0.00**
007	Secured	0.00	0.00
008	Un-Secured	1,951,781,198.03	953,872,987.90
009	Considered doubtful	0.00	0.00
010		**0.00**	**0.00**
011	**Employees(including imprest)**	**0.00**	**0.00**
012	Secured	0.00	0.00
013	Unsecured	78,498.00	175,296.00
014	Considered Doubtful	0.00	0.00
015		**0.00**	**0.00**
016	**Contractors & Suppliers**	**0.00**	**0.00**
017	Secured	0.00	0.00
018	Unsecured	609,313,695.46	2,818,484,309.52
019	Considered Doubtful	655,458.00	64,233.00
020		0.00	0.00
021	**Others****	**0.00**	**0.00**
022	Secured	0.00	0.00
023	Unsecured	22,422,440.75	9,586,648.39
024	Considered Doubtful	0.00	0.00
025	Less: Allowance for bad & doubtful advances	655,458.00	64,233.00
026	Receivable from MCP Escrow A/c	0.00	0.00
027	Deferred Payroll Expenses (Secured)	3,272,505.04	3,742,738.56
028	Deferred Payroll Expenses (Unsecured)	4,351,256.33	5,205,368.75
029	**Sub-total**	**7,623,761.37**	**8,948,107.31**
030	**Interest accrued on :**	**0.00**	**0.00**
031	Advances to contractors	0.00	0.00
032		**0.00**	**0.00**
033	**Claims Recoverable**	**0.00**	**0.00**
034	Secured	0.00	0.00
035	Unsecured, considered good	11,231,867,495.84	18,775,600,306.69
036	Considered Doubtful	0.00	0.00
037	Less:- Allowance for doubtful claims	0.00	0.00
038		**0.00**	**0.00**
039	Deferred premium on forward exchange contract/ Option Assets	0.00	0.00
041	Assets Held for Disposal	0.00	0.00
042	Others	11,836,846.24	1,821,700.58
043		0.00	0.00
044	**Total (Other Current Assets)**	**18,835,579,393.69**	**27,569,192,114.39**
045	**Include Prepaid Expenses	22,422,440.75	9,586,648.39
046	*Includes sales tax/Entry tax/VAT deposited under protest with Sales Tax Authorities	0.00	0.00

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FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
047	*Includes deposited with courts	0.00	0.00
048	*Includes deposited with LIC for annuity payments	0.00	0.00
049	* Includes deposits with WRD / against BG in r/o finance lease	0.00	0.00
050	Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00
052	**Advances to related parties include:**	**0.00**	**0.00**
053	i)Key management personel	0.00	0.00
054	ii)Subsidiary companies	0.00	0.00
055	iii)Joint Venture companies	0.00	0.00
056	Contractors	0.00	0.00
057	Others	0.00	0.00
058		0.00	0.00
059	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
060		**0.00**	**0.00**
061		0.00	0.00
062	Related Party (Adv)- Employee	0.00	0.00
063	Related Party (Adv)- Subsidiaries	0.00	0.00
064	Related Party (Adv)- Joint Venture	0.00	-376,952.00
065	Related Party (Adv)- Contractors	1,951,613,455.03	953,242,735.90
066	Related Party (Adv)- Others	167,743.00	1,007,204.00
067	**Total**	**1,951,781,198.03**	**953,872,987.90**
068		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 20 TO THE FS--REGULATORY DEFERRAL ACCOUNT DEBIT BALANCES **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	On account of Exchange Differences	-9,630,635.15	-932,413.20
002	On account of employee benefit exp	539,717,370.00	539,717,370.00
003	Regulatory deferred account - deferred	0.00	0.00
004	Deferred asset for ash transportation	4,218,387,221.79	2,191,876,354.68
005	Deferred asset for Arbitration Award	0.00	0.00
006	**Total**	**4,748,473,956.64**	**2,730,661,311.48**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 21 TO THE FS-EQUITY-EQUITY SHARE CAPITAL **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**SHARE CAPITAL**	**0.00**	**0.00**
002	**Equity Share Capital**	**0.00**	**0.00**
003	**Authorised**	**0.00**	**0.00**
004	10,000,000,000 equity shares of Rs.10/- each (Previous year 10,000,000,000 eq shares of Rs.10/- each)	0.00	0.00
005	**Issued,Subscribed and fully Paid-up**	**0.00**	**0.00**
006	9,69,66,66,134 equity shares of Rs.10/- (Pv. Year 9,894,557,280 equity shares of Rs.10/- each)	0.00	0.00
007		**0.00**	**0.00**
008	**Total**	**0.00**	**0.00**
009	During FY 2018-19, the company has issued 1,649,092,880 equity shares of Rs.10/- each as fully paid bonus shares	0.00	0.00
010	The holders of the equity shares are entitled to receive dividends as declared from time to time, and are entitled to one vote per share at meetings of the company.	0.00	0.00
011	Details of shareholders holding more than 5% shares in the company	0.00	0.00
012	- President of India	0.00	0.00
013	No. of Shares	0.00	0.00
014	% of holding	0.00	0.00
015	- Life Insurance Corporation of India/ICICI Prudential Mutual Fund	0.00	0.00
016	No. of Shares	0.00	0.00
017	% of holding	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	RESERVE AND SURPLUS	0.00	0.00
002		**0.00**	**0.00**
003	**Capital Reserve**	**0.00**	**0.00**
004	As per last financial statements	0.00	0.00
006	Add : Grants received during the year	0.00	0.00
007	Add: Transfer from Surplus	0.00	0.00
008	Less: Write back during the year/period	0.00	0.00
009	Less: Adjustments during the year/period	0.00	0.00
010	**Sub-Total**	**0.00**	**0.00**
011	**Securities Premium Account**	**0.00**	**0.00**
012	As per last financial statements	0.00	0.00
013	Add: Additions during the year/period	0.00	0.00
014	Less: Adjustments during the year/period	0.00	0.00
015	**Sub-Total**	**0.00**	**0.00**
016	**Bonds Redemption Reserve**	**0.00**	**0.00**
017	As per last financial statements	0.00	0.00
018	Add: Transfer from Surplus	0.00	0.00
019	Less: Transfer to surplus on redemption	0.00	0.00
020	Less: Adjustments during the year/ period	0.00	0.00
021	**Sub-Total**	**0.00**	**0.00**
022	**Capital Redemption Reserve**	**0.00**	**0.00**
023	As per last financial statements	0.00	0.00
024	Add: Transfer from Surplus	0.00	0.00
025	Less: Transfer to surplus on redemption	0.00	0.00
026	Less: Adjustments during the year/ period	0.00	0.00
027	**Sub-Total**	**0.00**	**0.00**
028	**Share Application money Allotment**	**0.00**	**0.00**
029	As per last financial statements	0.00	0.00
030	Add: Addition during the year	0.00	0.00
031	Less: Utlised for allotment during the year	0.00	0.00
032	Less: Adjustments during the year/ period	0.00	0.00
033	**Sub-Total**	**0.00**	**0.00**
034	**Fly-ash utilisation reserve Fund**	**0.00**	**0.00**
035	As per last financial statements	0.00	221,965,262.40
036	Transferred to CC	0.00	0.00
037	Add:Transfer from revenue from operations	143,412,254.32	116,514,347.87
038	Add:Transfer from other income	0.00	0.00
039	Less: Utilised during the year	0.00	0.00
040	Tangible assets	0.00	0.00
041	Employee benefit expenses	0.00	0.00
042	Generation,admn. and other expenses	-143,412,254.32	-338,479,610.27
043	Tax Expenses	0.00	0.00
044	**Sub-Total**	**0.00**	**0.00**
045	**Special allowance Reserve Fund**	**0.00**	**0.00**
046	As per last financial statements	0.00	0.00
047	Add: Addition during the year	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
048	Less: Utlised for allotment during the year	0.00	0.00
049	Less: Adjustments during the year/ period	0.00	0.00
050	**SUB-TOTAL**	**0.00**	**0.00**
053	**Corporate social responsibility (CSR) reserve**	**0.00**	**0.00**
054	As per last financial statements	0.00	0.00
055	Add : Transfer from surplus	0.00	0.00
056	Less:-Write back during the year	0.00	0.00
057	**Sub-Total**	**0.00**	**0.00**
058	**General Reserve**	**0.00**	**0.00**
059	As per last financial statements	0.00	0.00
060	Add: Transfer from Surplus	0.00	0.00
061	Less: Transfer to Surplus	0.00	0.00
062	Less: Write back during the year /period	0.00	0.00
063	Less: Adjustments during the year /period	0.00	0.00
064	**Sub-Total**	**0.00**	**0.00**
065		**0.00**	**0.00**
066	**Retained earnings**	**0.00**	**0.00**
067	As per last financial statements	80,127,438,361.97	74,096,642,613.64
068	Add(Less):-Changes in accounting policy / prior period errors	0.00	0.00
069	Add(Less):-Profit (Loss) after tax for the year from Statement of Profit & Loss	3,769,086,004.64	6,030,795,748.33
070		0.00	0.00
071	Add: Write back from Bond Redemption Reserve	0.00	0.00
072	Add: Write back from Capital Reserve	0.00	0.00
073	Add: Write back from Foreign Project Reserve	0.00	0.00
074	Add: Write back from CSR Reserve	0.00	0.00
075	Add: Write back from General Reserve	0.00	0.00
076	Less: Transfer to Bonds Redemption Reserve	0.00	0.00
077	Less: Transfer to Special Allowance Reserve Fund	0.00	0.00
078	Less: Transfer to Foreign Project Reserve	0.00	0.00
080	Less:Transfer to Capital Reserve	0.00	0.00
081	Less:Transfer to CSR Reserve	0.00	0.00
082	Less:Transfer to General Reserve	0.00	0.00
083	Less:Interim Dividend Paid	0.00	0.00
084	Less:Tax on Interim Dividend Paid	0.00	0.00
085	Less:Final Dividend Paid	0.00	0.00
086	Less:Tax on Final Dividend Paid	0.00	0.00
087	Less: Issue of bonus debenture	0.00	0.00
088	Less: Tax on issue of bonus debenture	0.00	0.00
089	**Sub-Total**	**83,896,524,366.61**	**80,127,438,361.97**
090		0.00	0.00
091	**Remeasurement of defined benefit plans**	**0.00**	**0.00**
092	As per last financial statements	-232,137,132.34	-131,829,818.31
093	Add/(Less):- Actuarial Gains/loss through OCI	-46,304,937.42	-100,307,314.03
094	**Sub-Total**	**-278,442,069.76**	**-232,137,132.34**
095		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
096	**FVTOCI Reserve**	**0.00**	**0.00**
097	As per last financial statements	0.00	0.00
098	Add(Less):-Net gain/loss of equity instruments through OCI	0.00	0.00
099	**Sub-Total**	**0.00**	**0.00**
100		**0.00**	**0.00**
101	**Total Other equity**	**83,618,082,296.85**	**79,895,301,229.63**
102		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 23 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**LONG TERM BORROWINGS**	**0.00**	**0.00**
002	**Bonds**	**0.00**	**0.00**
003	**Secured**	**0.00**	**0.00**
004	7.37 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3A).	0.00	0.00
005	7.62 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3 B).	0.00	0.00
006	8.61% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2034 (Fifty First Issue C - Private Placement)	0.00	0.00
007	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3A)	0.00	0.00
008	8.91% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3B)	0.00	0.00
009	7.37% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 14th December 2031 (Sixty Sixth Issue - Private Placement)	0.00	0.00
010	7.49% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 7th November 2031 (Sixty Fourth Issue - Private Placement)	0.00	0.00
011	7.28 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series	0.00	0.00

	As at	31.03.2021	31.03.2020
	2A)		
012	7.53 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series 2 B).	0.00	0.00
013	7.32% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 17 July 2029 (Sixty Ninth Issue - Private Placement)	0.00	0.00
014	8.63% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2029 (Fifty First Issue B - Private Placement)	0.00	0.00
015	8.30% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 15 January 2029 (Sixty Seventh Issue - Private Placement)	0.00	0.00
016	8.48% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2A)	0.00	0.00
017	8.73% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2B)	0.00	0.00
018	7.47% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 16th September 2026 (Sixty Third Issue - Private Placement)	0.00	0.00
019	7.58% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in	0.00	0.00

	As at	31.03.2021	31.03.2020
	full on 23rd August 2026 (Sixty Second Issue - Private Placement)		
020	8.05% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 5th May 2026 (Sixtieth Issue - Private Placement)	0.00	0.00
021	8.19% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 15th December 2025 (Fifty Seventh Issue - Private Placement)	0.00	0.00
022	7.11 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1A).	0.00	0.00
023	7.36 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1 B).	0.00	0.00
024	7.15% Tax free secured non-cumulative non-convertible redeemable bonds - 2015 of Rs. 10,00,000/- each redeemable at par in full on 21st August 2025 (Fifty Fifth Issue - Private Placement)	0.00	0.00
025	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 22nd September 2024 (53rd Issue - private placement).	0.00	0.00
026	9.34% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 24th March 2024 (Fifty Second Issue - private placement)	0.00	0.00
027	8.19% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 10,00,000/- each redeemable at	0.00	0.00

	As at	31.03.2021	31.03.2020
	par in full on 4th March 2024 (Fifty First Issue A - Private Placement)		
028	8.41% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (Fiftieth Issue - Public Issue - Series 1A)	0.00	0.00
029	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (Fiftieth Issue - Public Issue - Series 1B)	0.00	0.00
030	9.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 4th May 2023 and ending on 4th May 2027 (Forty fourth issue - private placement)VII	0.00	0.00
031	8.48% Secured non-cumulative non-nonvertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 1st May 2023 (Seventeenth issue - private placement)I	0.00	0.00
032	8.80% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th April 2023 (Forty ninth issue -private placement	0.00	0.00
033	8.49% Secured non-cumulative non-convertible redeemable taxable fully paid-up bonus debentures of Rs. 12.50 each redeemable at par in three annual installments of Rs. 2.50, Rs. 5.00 and Rs. 5.00 at the end of 8th year, 9th year and 10th year on 25th March 2023, 25th March 2024 and 25th March 2025 respectively (Fifty Fourth Issue -Bonus Debentures)X - (refer Note 5 d)	0.00	0.00
034	8.73% Secured non-cumulative	0.00	0.00

	As at	31.03.2021	31.03.2020
	non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 07th March 2023 (Forty eighth issue - private placement)		
035	9.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 25th January 2023 and ending on 25th January 2027 (Forty second issue- private placement)III	0.00	0.00
036	8.84% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th October 2022 (Forty seventh issue- private placement)VII	0.00	0.00
037	7.93% Secured non-cumulative non-convertible redeemable taxable bonds of ` 10,00,000/- each redeemable at par in full on 03 May 2022 (68th Issue - Private Placement)	0.00	0.00
038	6.72% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 24th November 2021 (Sixty Fifth Issue - Private Placement)	0.00	0.00
039	8.10% Secured Non-Cumulative Non-Convertible Redeemable Taxable Bonds of Rs. 30,00,000/- each redeemable at par in three equal separately transferable redeemable principal parts (STRPP) at the end of 5th year, 10th year & 15th year on 27th May 2021, 27th May 2026 and 27th May 2031 respectively (Sixty First Issue- Private Placement)	0.00	0.00
040	8.33% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 24th February 2021	0.00	0.00

	As at	31.03.2021	31.03.2020
	(Fifty Ninth Issue - Private Placement).		
042	8.93% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 19th January 2021 Thirty seventh issue - private placement)III	0.00	0.00
043	8.18% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 31st December 2020 (Fifty Eight Issue - Private Placement).	0.00	0.00
044	8.73 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 31st March 2020 (Thirty third issue- private placement)III	0.00	0.00
045	8.78 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 9th March 2020 (Thirty first issue- private placement)III	0.00	0.00
046	11.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in five equal annual installments commencing from 6th Nov 2019 and ending on 6th Nov 2023 (Twenty seventh issue - private placement)III	0.00	0.00
047	7.89% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 5th May 2019 (Thirtieth issue - private placement)III	0.00	0.00
048	8.65% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th February 2019 (Twenty ninth issue - private placement)III	0.00	0.00
049	7.50% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full	0.00	0.00

	As at	31.03.2021	31.03.2020
	on 12th January 2019 (Nineteenth issue - private placement)II		
050	11% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 21st November 2018 (Twenty eighth issue - private placement)III	0.00	0.00
051	9.3473% Secured non-cumulative non-convertible redeemable taxable bonds of ₹15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 20th July 2018 and ending on 20th July 2032 (Forty sixth issue - private placement)VII	0.00	0.00
052	9.4376% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 16th May 2018 and ending on 16th May 2032 (Forty fifth issue - private placement)VII	0.00	0.00
053	8.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 10th April 2018 (Sixteenth issue -private placement)I	0.00	0.00
054	9.2573% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 2nd March 2018 and ending on 2nd March 2032 (Forty third issue - private placement)III	0.00	0.00
055	9.6713% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

	As at	31.03.2021	31.03.2020
	of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 23rd December 2017 and ending on 23rd December 2031 (Forty first issue - private placement)III		
056	9.558% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 29th July 2017 and ending on 29th July 2031(Fourtieth issue-private placement)III	0.00	0.00
057	9.3896% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 9th June 2017 and ending on 9th June 2031(Thirty ninth issue-private placement)III	0.00	0.00
058	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 22nd March 2017 and ending on 22nd March 2031(Thirty eighth issue-private placement)III	0.00	0.00
059	8.8086% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th	0.00	0.00

	As at	31.03.2021	31.03.2020
	year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th December 2016 and ending on 15th December 2030 (Thirty sixth issue - private placement)III		
060	8.785% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th September 2016 and ending on 15th September 2030 (Thirty fifth issue - private placement)III	0.00	0.00
061	8.71% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 10th June 2016 and ending on 10th June 2030 (Thirty fourth issue - private placement)III	0.00	0.00
062	8.8493% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 25th March 2016 and ending on 25th March 2030 (Thirty second issue - private placement)III	0.00	0.00
063	9.37% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty fifth issue -	0.00	0.00

	As at	31.03.2021	31.03.2020
	private placement)III		
065	9.06% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty sixth issue - private placement)III	0.00	0.00
066	8.6077% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 9th September 2011 and ending on 9th March 2021 (Twenty fourth issue - private placement)IV	0.00	0.00
067	8.3796% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 5th August 2011 and ending on 5th February 2021 (Twenty third issue - private placement)IV	0.00	0.00
068	8.1771% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd July 2011 and ending on 2nd January 2021 (Twenty second issue - private placement)IV	0.00	0.00
069	7.7125% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd August 2010 and ending on 2nd February 2020 (Twenty first issue - private placement)V	0.00	0.00
070	7.552% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

	As at	31.03.2021	31.03.2020
	of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 23rd September 2009 and ending on 23rd March 2019 (Twentieth issue - private placement)VI		
071	9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each with ten equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of the 6th year and in annual installments thereafter upto the end of 15th year respectively from 30th April 2002 (Thirteenth issue - Part B - private placement)VIII	0.00	0.00
072	9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each redeemable at par in ten equal annual installments commencing from the end of 6th year and upto the end of 15th year respectively from 18th April 2002 (Thirteenth issue -Part A - private placement)VIII	0.00	0.00
073		0.00	0.00
074		0.00	0.00
075		0.00	0.00
076		0.00	0.00
077	**Sub Total**	**0.00**	**0.00**
078	**Unsecured**	**0.00**	**0.00**
079	6.55% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 17 April 2023 (Seventieth Issue - Private Placement)	0.00	0.00
080	6.29% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 11 April 2031 (Seventy First Issue - Private Placement)	0.00	0.00
081	5.45% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 15 October 2025 (Seventy Second Issue - Private Placement)	0.00	0.00

	As at	31.03.2021	31.03.2020
082	6.43% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 27 January 2031 (Seventy Third Issue - Private Placement)	0.00	0.00
083		0.00	0.00
084		0.00	0.00
085		0.00	0.00
086	**Sub-total**	**0.00**	**0.00**
087	**Total**	**0.00**	**0.00**
088	**Foreign Currency Notes-Unsecured**	**0.00**	**0.00**
089	4.50% Fixed Rate Notes Due for repayment on 19th March 2028	0.00	0.00
090	2.75% Fixed rate notes due for repayment on 1st February 2027	0.00	0.00
091	4.25 % Fixed rate notes due for repayment on 26th February 2026	0.00	0.00
092	4.375% Fixed Rate Note due for repayment on 26th November 2024	0.00	0.00
093	4.75 % Fixed Rate Notes due for repayment on 3rd Oct 2022	0.00	0.00
094	7.25 % Fixed green global INR denominated bonds due on 3 May 2022	0.00	0.00
095	7.375 % Fixed green global INR denominated bonds due on 10 August 2021	0.00	0.00
096	5.625% Fixed Rate Notes due for repayment on 14th July 2021	0.00	0.00
097	3.75 % Fixed rate notes due for repayment on 03 April 2024	0.00	0.00
098		0.00	0.00
099		0.00	0.00
100		0.00	0.00
101		0.00	0.00
102	**Sub Total**	**0.00**	**0.00**
103	Long term maturities of Finance Lease Obligations (Secured) IX	0.00	0.00
104	Long term maturities of Finance Lease Obligations (Unsecured) X	792,731,671.00	791,285,864.00
105	**Term Loans**	**0.00**	**0.00**
106	**From Banks**	**0.00**	**0.00**
107	**Secured**	**0.00**	**0.00**
108	Rupee Loans	0.00	0.00
109	**Unsecured**	**0.00**	**0.00**
110	Foreign Currency Loans	0.00	0.00
111	Rupee Loans	0.00	0.00
112	**From Others**	**0.00**	**0.00**
113	**Secured**	**0.00**	**0.00**
114	Rupee Loans	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 23 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
115	Foreign Currency loans (guaranteed by GOI)	0.00	0.00
116	**Unsecured**	**0.00**	**0.00**
117	Foreign Currency loans (guaranteed by GOI)	0.00	0.00
118	Other Foreign currency loans	0.00	0.00
119	Rupee Loans	0.00	0.00
120	**Deposits**	**0.00**	**0.00**
121	**Unsecured**	**0.00**	**0.00**
122	Fixed Deposits	0.00	0.00
123	**Others**	**0.00**	**0.00**
124	**Unsecured**	**0.00**	**0.00**
125	Bonds Application Money Pending Allotment	0.00	0.00
126	**Sub-total**	**792,731,671.00**	**791,285,864.00**
127	**Total**	**792,731,671.00**	**791,285,864.00**
128		0.00	0.00
129	Less:- Interst accrued but not due on borrowings	0.00	0.00
130	Less:- Current maturities of long term borrowings	0.00	0.00
131	Bonds-Secured	0.00	0.00
132	Fixed Rate Notes	0.00	0.00
133	Foreign currency loans from Banks- unsecured	0.00	0.00
134	Rupee loans from banks- Secured	0.00	0.00
135	Rupee loans from banks- unsecured	0.00	0.00
136	Rupee Term loan from Others - Secured	0.00	0.00
137	Foreign currency loans from others- unsecured (Guaranteed by GOI)	0.00	0.00
138	Other foreign currency loans from others- unsecured	0.00	0.00
139	Rupee loans from others- unsecured	0.00	0.00
140	Finance Lease obligations - secured	0.00	0.00
141	Finance Lease obligations - unsecured	741,999,532.17	551,252,850.05
200	**Total**	**50,732,138.83**	**240,033,013.95**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 24 TO THE FS-NCL-TRADE PAYABLES **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**TRADE PAYABLES(NON CURRENT)**	**0.00**	**0.00**
002	**For Goods and Services**	**0.00**	**0.00**
003	- Micro & Small Enterprises	676,934.43	1,078,058.17
004	- Others	1,325,479.83	2,519,637.14
005		0.00	0.00
006	**Total**	**2,002,414.26**	**3,597,695.31**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 25 TO THE FS-NCL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**OTHER FINANCIAL LIABILITIES (NON-CURRENT)**	**0.00**	**0.00**
002	Payable for Capital Expenditure	0.00	0.00
003	- Micro & Small Enterprises	1,281,208.40	0.00
004	- Others	1,401,151.36	2,997,261.54
005	Others	0.00	0.00
006	Deposits from contractors and others	0.00	0.00
007		0.00	0.00
008		0.00	0.00
009	**Total**	**2,682,359.76**	**2,997,261.54**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 26 TO THE FS-NCL-PROVISIONS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**LONG TERM PROVISIONS**	**0.00**	**0.00**
002	**Provision for Employee Benefits**	**0.00**	**0.00**
003	Opening Balance	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	0.00
005	**Closing Balance**	**0.00**	**0.00**
013		**0.00**	**0.00**
014	**TOTAL**	**0.00**	**0.00**

NOTE NO. 27 TO THE FS-NCL-DEFERRED TAX LIABILITIES (NET) **(Amount in ₹)**

	As at	Open Balance on 01.04.2020	Addition	Closing Balance on 31.03.2021
001	**DEFERRED TAX LIABILITIES (NET)**			
002	Difference of book depreciation and tax depreciation	0.00	0.00	0.00
003	Less: Deferred tax assets			
004	Provisions & Other disallowances for tax purposes	0.00	0.00	0.00
005	Unabsorbed Depreciation	0.00	0.00	0.00
006	Disallowances u/s 43B of the Income Tax Act, 1961	0.00	0.00	0.00
007		0.00	0.00	0.00
008		0.00	0.00	0.00
009		0.00	0.00	0.00
010		0.00	0.00	0.00
011	MAT credit entitlement	0.00	0.00	0.00
012		0.00	0.00	0.00
013	**Total**	**0.00**	**0.00**	**0.00**
014		0.00	0.00	0.00
015	**Total**	**0.00**	**0.00**	**0.00**
016	Breakup of deferred tax assets	0.00	0.00	0.00
017	Provision	0.00	0.00	0.00
018	Statutory dues	0.00	0.00	0.00
019	Leave encashment	0.00	0.00	0.00
020	Others	0.00	0.00	0.00
021		0.00	0.00	0.00
022		0.00	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 28 TO THE FS-NCL-OTHER NON-CURRENT LIABILITIES **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	Other Non current Liabilities	0.00	0.00
002	Advances from customers and others	0.00	0.00
003	Deposits from contractors and others	0.00	0.00
004		0.00	0.00
005	**TOTAL**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 29 TO THE FS-CL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**Short Term Borrowings**	**0.00**	**0.00**
002	**Loans repayable on demand**	**0.00**	**0.00**
003	**From Banks**	**0.00**	**0.00**
004	**Secured**	**0.00**	**0.00**
005	Cash Credit	0.00	0.00
006	**Unsecured**	**0.00**	**0.00**
007	Cash Credit	0.00	0.00
008	**Other loans-unsecured**	**0.00**	**0.00**
009	Commecial Papers	0.00	0.00
010	Less: Unamortised discount on Commercial Papers	0.00	0.00
011	**Sub-Total**	**0.00**	**0.00**
012	**TOTAL**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 30 TO THE FS-CL-TRADE PAYABLES **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**TRADE PAYABLES**	**0.00**	**0.00**
002	For Goods and Services	0.00	0.00
003	- Micro & Small Enterprises	304,161,911.60	372,979,710.08
004	- Others	7,911,675,078.55	12,362,676,269.72
005		0.00	0.00
006	**Total**	**8,215,836,990.15**	**12,735,655,979.80**
007		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**OTHER FINANCIAL LIABILITIES (CURRENT)**	**0.00**	**0.00**
002	**Current maturity of long term borrowings**	**0.00**	**0.00**
003	Bonds-Secured	0.00	0.00
004	Foreign Currency Fixed Rate Notes	0.00	0.00
005	**From Banks**	**0.00**	**0.00**
006	**Secured**	**0.00**	**0.00**
007	Rupee Term Loan	0.00	0.00
008	**Unsecured**	**0.00**	**0.00**
009	Foreign currency loans	0.00	0.00
010	Rupee term loans	0.00	0.00
011	**From Others**	**0.00**	**0.00**
012	**Secured**	**0.00**	**0.00**
013	Rupee Term Loan	0.00	0.00
014	**Unsecured**	**0.00**	**0.00**
015	Foreign currency loans (Guaranteed by Government of India)	0.00	0.00
016	Other foreign currency loans	0.00	0.00
017	Rupee term loans	0.00	0.00
018	Fixed deposits	0.00	0.00
019	Sub Total	0.00	0.00
020	Current maturity of finance lease obligations (secured)	0.00	0.00
021	Current maturity of finance lease obligations (unsecured)	741,999,532.17	551,252,850.05
022	Interest accrued but not due on borrowings	0.00	0.00
023	Unpaid Dividends*	0.00	0.00
024	Unpaid matured deposits and interest accrued thereon*	0.00	0.00
025	Unpaid matured bonds and interest accrued thereon*	0.00	0.00
026	Unpaid bond refund money-Tax free bonds *	0.00	0.00
027	Book Overdraft	0.00	0.00
028	Payable to Customers	0.00	0.00
029	Liability under forward exchange contact	0.00	0.00
030	Hedging cost payable to beneficiaries	0.00	0.00
031	Derivative MTM Liability	0.00	0.00
032	**Payable for Capital Expenditure**	**0.00**	**0.00**
033	- Micro & Small Enterprises	110,649,837.97	61,747,701.29
034	- Others	1,174,596,898.89	1,566,222,236.71
035	**Others Payables**	**0.00**	**0.00**
036	Deposits from contractors and others	68,783,017.94	85,546,222.94
037	Gratuity Obligations	0.00	0.00
038	Payable to employees	33,432,583.35	18,740,908.13
039	Payable to holding company	0.00	0.00
040	Retention on A/c BG encashment (Solar)	0.00	0.00
041	Payable to Solar Payment Security Account	0.00	0.00
042	Others **	20,596,018.30	21,390,874.53

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
043		0.00	0.00
044	**Total**	**2,150,057,888.62**	**2,304,900,793.65**
045	* Represents the amounts which have not been claimed by the investor/holders of the bonds/fixed deposits. Out of the above, no amount is due for payment to Investor Education and Protection Fund.	0.00	0.00
046	** Include Payable to Hospital and other payable.	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 32 TO THE FS-CL-OTHER CURRENT LIABILITIES **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**OTHER CURRENT LIABILITIES**	**0.00**	**0.00**
002	Advances from customers and others	183,015,763.48	413,852,049.99
003	Deferred discount on forward exchange contact	0.00	0.00
004	Tax deducted at source and other statutory dues	136,740,656.92	169,585,225.93
005	Others	0.00	0.00
006	**Total**	**319,756,420.40**	**583,437,275.92**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 33 TO THE FS-CL-PROVISIONS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**SHORT TERM PROVISIONS**	**0.00**	**0.00**
002	**Provision for Employee Benefits**	**0.00**	**0.00**
003	Opening balance	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	0.00
005	**Closing Balance**	**0.00**	**0.00**
028	**Provisions for Obligations Incidental to Land Acquisition**	**0.00**	**0.00**
029	Opening balance	0.00	0.00
030	Additions during the year	0.00	0.00
031	Amounts paid during the year	0.00	0.00
032	Amounts reversed during the year	0.00	0.00
033	**Closing Balance**	**0.00**	**0.00**
035	**Provision for Tariff Adjustment**	**0.00**	**0.00**
036	Opening balance	0.00	0.00
037	Additions during the year	0.00	0.00
038	Amounts adjusted during the year	0.00	0.00
039	Amounts reversed during the year	0.00	0.00
040	**Closing Balance**	**0.00**	**0.00**
042	**Provision for shortage in Fixed Assets Pending Investigation & Others**	**0.00**	**0.00**
043	Opening balance	0.00	0.00
044	Additions during the year	3,130,973.83	0.00
045	Amounts adjusted during the year	0.00	0.00
046	Amounts reversed during the year	0.00	0.00
047	**Closing Balance**	**3,130,973.83**	**0.00**
048	**Provision for Arbitration**	**0.00**	**0.00**
049	Opening balance	392,056,642.13	3,953,512,382.97
050	Additions during the year	-9,968,837.94	-3,561,455,740.84
051	Amounts used during the year	0.00	0.00
052	Amounts reversed during the year	0.00	0.00
053	**Closing Balance**	**382,087,804.19**	**392,056,642.13**
054	**Others**	**0.00**	**0.00**
055	Opening balance	0.00	0.00
056	Additions during the year	0.00	0.00
057	Amounts used during the year	0.00	0.00
058	Amounts reversed during the year	0.00	0.00
059	**Closing Balance**	**0.00**	**0.00**
102		0.00	0.00
103	**Total**	**385,218,778.02**	**392,056,642.13**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 34 TO THE FS-CL-CURRENT TAX LIABILITIES (NET) **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**Current liabilities - current tax liabilities (net)**	**0.00**	**0.00**
002	Opening balance	0.00	0.00
003	Additions during the year	0.00	0.00
004	Amounts adjusted during the year	0.00	0.00
005	Less: Set off against taxes paid	0.00	0.00
006	**Closing Balance**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 35 TO THE FS--DEFERRED REVENUE **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	**Deferred Revenue**	**0.00**	**0.00**
002	On account of advance against depreciation	0.00	0.00
003	On account of income from foreign currency fluctuation	-8,123,000.00	-8,123,000.00
004	Government grants	0.00	0.00
005		0.00	0.00
006	**TOTAL**	**-8,123,000.00**	**-8,123,000.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 36 TO THE FS--REGULATORY DEFERRAL ACCOUNT CREDIT BALANCES **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	Regulatory deferral account credit balances	0.00	0.00
002	Exchange Differences	0.00	0.00
003		0.00	0.00
004	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 37 TO THE FS--REVENUE FROM OPERATIONS **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
001	**REVENUE FROM OPERATIONS**	**0.00**	**0.00**
002	**Sales**	**0.00**	**0.00**
003	Energy Sales (including Electricity Duty)	48,928,525,451.00	51,309,277,267.45
004	Less : Advance against depreciation deferred (net)	0.00	0.00
005	Add: Revenue recognized out of advance against depreciation	0.00	0.00
006	Add : Exchange fluctuation receivable from customers	0.00	0.00
007	Sale of energy through trading	0.00	0.00
008	Commission (NVVN)	0.00	0.00
009	**Sub total**	**48,928,525,451.00**	**51,309,277,267.45**
010	Less: Rebate to customers	740,951,564.77	400,554,466.02
011	**Energy Sales (Total)**	**48,187,573,886.23**	**50,908,722,801.43**
012	Consultancy, project management and supervision fees	71,205,933.80	49,531,519.00
013	Lease rentals on assets on Operating lease	0.00	0.00
014	Sale of Captive Coal	0.00	0.00
015	Intra Company Elimination	0.00	0.00
017	**Sub-total**	**0.00**	**0.00**
018	**Total - Sales**	**48,258,779,820.03**	**50,958,254,320.43**
019	Sale of fly ash/ash products	143,412,254.32	116,514,347.87
020	Less: Transferred to fly ash utilisation reserve fund	-143,412,254.32	-116,514,347.87
021	**Sub-total**	**0.00**	**0.00**
022	**Other Operating Income**	**0.00**	**0.00**
023	Interest from customers	846,295.00	901,838.00
024	Energy Internally Consumed *	46,256,701.08	45,872,901.00
025	Interest income on Assets under finance lease	0.00	0.00
026	Recognized from deferred revenue - government grant	0.00	0.00
027	Provision written back- Tariff Adjustment	0.00	0.00
028	Income form Trading of ESCerts	0.00	0.00
029	Income from E-Mobility Business	0.00	0.00
030		0.00	0.00
031	**Total**	**48,305,882,816.11**	**51,005,029,059.43**
040	* Valued at variable cost of generation and corresponding amount included in power charges (Note No. 42)	0.00	0.00
041	Excise duty on sale of flyash,cenospere & ash products	0.00	0.00
042	Energy sales of principal nature (NVVN)	0.00	0.00
043	Energy sales of agency nature (NVVN)	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
001	**OTHER INCOME**	**0.00**	**0.00**
002	**Interest from**	**0.00**	**0.00**
004	**Financial assets at amortised cost**	**0.00**	**0.00**
005	Government Securities (8.5% Tax Free Bonds issued by the State Goverments)	0.00	0.00
006	Other Bonds	0.00	0.00
007		0.00	0.00
008	Interest from Government of India Securties-Non-Trade	0.00	0.00
009	Less: Amortiation of premium	0.00	0.00
010	**Sub Total**	**0.00**	**0.00**
011	Interest from others	0.00	0.00
012	Loan to State Government in settlement of dues from customers	0.00	0.00
013	Loan to Subsidiary Companies	0.00	0.00
014	Loan to Employees	16,606,898.69	20,425,694.02
015	Deposit with banks	0.00	0.00
016	Foreign Banks	0.00	0.00
017	Interest from Contractors	8,771,128.00	4,224,916.00
018	Interest from Income Tax Refunds	0.00	0.00
019	Less : Refundable to Customers	0.00	0.00
020	**Sub Total**	**0.00**	**0.00**
021	Deposits with banks-flyash utilisation reserve fund	0.00	0.00
022	Less: transferred to flyash utilisation reserve fund	0.00	0.00
023	**Sub Total**	**0.00**	**0.00**
024	Deposits with banks- DDUGJY funds	0.00	0.00
025	Interest from Contractors- DDUGJY funds	0.00	0.00
026	Transfer to DDUGJY-Advance from customers	0.00	0.00
027	Sub-total	0.00	0.00
030	Others	0.00	0.00
031		0.00	0.00
032	**Dividend from**	**0.00**	**0.00**
033	**Longterm investments in**	**0.00**	**0.00**
034	Subsidiaries	0.00	0.00
035	Joint Ventures	0.00	0.00
036	Equity Instruments	0.00	0.00
037	**Current Investments in**	**0.00**	**0.00**
038	Mutual Funds measured at fairvalue through profit or loss	0.00	0.00
039	Current investments in mutual funds-flyash utilisation reserve fund	0.00	0.00
040	Less: transferred to flyash utilisation reserve fund	0.00	0.00
041	Lease Rent # Ash Brick Plant	0.00	0.00
042	Less: transferred to flyash utilisation reserve fund	0.00	0.00
043	Other non-operating income	0.00	0.00
044	Profit on disposal of PPE	30,370,684.88	15,033,670.13
045	Profit on redemption of GOI securities	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
046	Net gain on sale of investments	0.00	0.00
047	Surcharge received from customers	519,952,311.00	213,615,030.00
048	Hire charges for equipment	0.00	0.00
049	Gain on option contract / Discount on F.ExchContract	0.00	0.00
050	Provision written back-others	20,760,154.81	3,608,139,750.16
051	Fair value gains/(losses) on investments in mutual funds at fair value through profit or loss	0.00	0.00
052	Interest from Solar payment security account	0.00	0.00
053	Less : Transferred to SPSA fund	0.00	0.00
054	Interest on "Retention on A/c BG encashment (Solar)"	0.00	0.00
055	Less : Transferred to "Retention on A/c BG encashment (Solar)"	0.00	0.00
056	Miscellaneous Income	135,174,075.66	93,771,603.38
057	**Total**	**731,635,253.04**	**3,955,210,663.69**
058	Less:Transferred to Development of Coal Mines-Note 43A	0.00	0.00
059	Less:Transferred to Expenditure during Construction period (net)- Note 43	77,921.76	41,394.00
061	Less: Others	0.00	0.00
062	**Total**	**731,557,331.28**	**3,955,169,269.69**
063		0.00	0.00
064	**Details of Miscellaneous Income**	**0.00**	**0.00**
065	Vehicle Hire Charges.	160,000.00	150,000.00
066	Sale of by products & residuals	0.00	0.00
067	Township recoveries(exl. Hospital Recoveries).	18,320,879.68	18,436,519.44
068	Depreciation written back	0.00	0.00
069	Sale of Scrap.	58,453,966.46	44,375,071.22
070	Receipt under loss of profit policy.	0.00	0.00
071	Receipts under MBD/Fire Policy.	39,293,133.00	0.00
072	Management development programme.	0.00	0.00
073	Management Fee - Misc (NVVN)	0.00	0.00
074	Others	18,946,096.52	30,810,012.72
075		0.00	0.00
076	**Total (Miscellaneous Income)**	**135,174,075.66**	**93,771,603.38**
077		0.00	0.00
078	**Details of Provision written back others**	**0.00**	**0.00**
079	Doubtful debts	0.00	0.00
080	Doubtful Loans, Advances and Claims	64,233.00	0.00
081	Doubtful Construction Advances	0.00	2,971,880.17
082	Shortage in Construction Stores	0.00	0.00
083	Shortage in Stores	0.00	37,119,161.80
084	Obsolescence in Stores	9,068,852.81	4,930,193.19
085	Unserviceable capital works	0.00	0.00
086	Other Obligation including Arbitration	11,627,069.00	3,563,118,515.00
087	Shortage in Fixed Assets	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
088	Diminution in value of Investment	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38A TO THE FS--FUEL COST **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
001	**FUEL COST**	**0.00**	**0.00**
002	Coal	0.00	0.00
003	Captive	0.00	0.00
004	Other than captive	35,436,599,733.47	38,507,745,039.18
005	Gas	0.00	0.00
006	Naptha	0.00	0.00
007	Oil	316,641,880.18	506,507,779.08
008	**Total**	**35,753,241,613.65**	**39,014,252,818.26**
009		0.00	0.00
010		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 39 TO THE FS--EMPLOYEE BENEFITS EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
001	**EMPLOYEE BENEFITS EXPENSE**	**0.00**	**0.00**
002	Salaries and wages	2,140,152,804.42	2,284,924,317.40
003	Contribution to provident and other funds	287,878,589.88	258,507,257.65
004	Unwinding of deferred payroll expense	12,893,424.21	15,531,703.67
005	Staff welfare expenses	213,363,030.86	298,734,715.54
006	Less : Expenses transferred to Consultancy group	0.00	0.00
007		0.00	0.00
008	**Sub Total**	**2,654,287,849.37**	**2,857,697,994.26**
009	Less: Employee benefits expense allocated to fuel inventory	199,754,438.74	203,536,566.59
010	Less: Transferred/Allocated to development of coal mines	0.00	0.00
011	Less: Others	0.00	0.00
012	Less: Transferred to fly ash utilisation reserve fund	0.00	0.00
013	Less: Transferred to CSR Expenses	0.00	0.00
014	Reimbursements for employees on secondment	0.00	1,404.52
015	Less: Transferred to expenditure during construction period (net)- Note 43	28,880,481.53	20,155,857.85
016	**TOTAL**	**2,425,652,929.10**	**2,634,004,165.30**
017	**Managerial Remuneration paid/ payable to Directors included above (except for Directors fee which is included in Note 42)**	**0.00**	**0.00**
018	Salaries and wages	0.00	0.00
019	Contribution to provident and other funds	0.00	0.00
020	Staff welfare expenses	0.00	0.00
021	Directors fee	0.00	0.00
022		0.00	0.00
023		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 40 TO THE FS--FINANCE COSTS **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
001	**FINANCE COSTS**	**0.00**	**0.00**
002	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
003	Bonds	312,505,939.34	224,974,888.94
004	Government of India Loans	0.00	0.00
005	Foreign currency term loans	9,941,003.64	10,336,177.18
006	Rupee term loans	414,677,534.00	566,522,009.00
007	Public deposits	0.00	0.00
008	Foreign currency bonds/notes	0.00	0.00
009	Cash Credit	0.00	0.00
010	Unwinding of discount on account of vendor liabilities	4,190,630.81	4,208,981.28
011	Commercial Papers	0.00	0.00
012	**Sub Total**	**741,315,107.79**	**806,042,056.40**
013	Interest on non financial items	0.00	0.00
014	**Other Borrowing Costs**	**0.00**	**0.00**
015	Bonds servicing & public deposit exp.	292,119.25	310,066.16
016	Guarantee fee	0.00	0.00
017	Management fee	0.00	0.00
018	Committ charges/exposure premium	0.00	0.00
019	Bond issue expenses	0.00	0.00
020	Legal exp on foreign currency loans	0.00	0.00
021	Foreign currency bonds/notes exp.	0.00	0.00
022	Up-front fee	0.00	0.00
023	Insurance premium on foreign currency loans	0.00	0.00
024		0.00	0.00
025	Others	0.00	0.00
026	**Sub Total (Other Borrowing cost)**	**292,119.25**	**310,066.16**
027		0.00	0.00
028	**Exchange differences regarded as an adjustment to borrowing costs**	**203,855.30**	**6,195,497.51**
029	**Sub Total**	**741,811,082.34**	**812,547,620.07**
030	Less: Transferred to Expenditure during construction period (net) - Note 43	157,887,937.27	134,517,261.05
031	Less: Transferred to development of coal mines- Note 43A	0.00	0.00
032		0.00	0.00
033	**Total**	**583,923,145.07**	**678,030,359.02**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 41 TO THE FS--DEPRECIATION AND AMORTIZATION EXPENSES **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
001	**Depreciation and amortization expenses**	**0.00**	**0.00**
002	On property, plant and equipment- Note 2	2,711,712,161.73	2,791,479,390.57
003	On intangible assets- Note 4	163,904.33	51,804.33
004	Sub-total	2,711,876,066.06	2,791,531,194.90
005	Less:	0.00	0.00
006	Allocated to fuel inventory	192,454,008.42	196,751,861.01
007	Transferred to Expenditure during Construction Period (net)- Note 43	5,696,478.91	8,270,796.44
008		0.00	0.00
009	Transferred/Allocated to development of coal mines	0.00	0.00
010	Adjustment with deferred revenue from deferred foreign currency fluctuation	0.00	-16,840,000.00
011		0.00	0.00
012	**Total**	**2,513,725,578.73**	**2,603,348,537.45**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 42 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
001	**OTHER EXPENSES**	**0.00**	**0.00**
002	Power charges	48,310,999.08	53,872,275.00
003	Less: Recovered from contractors & employees	10,557,829.89	10,379,617.78
004	**Sub-Total(Power Charges)**	**37,753,169.19**	**43,492,657.22**
005	Water charges	408,507,303.00	686,507,362.00
006	Stores consumed	135,090.13	4,539,557.93
007	Rent	0.00	0.00
008	Less:Recoveries	0.00	0.00
009	**Sub-Total (Rent)**	**0.00**	**0.00**
010	Cost of captive coal produced	0.00	0.00
011	**Repairs & maintenance**	**0.00**	**0.00**
012	Buildings	144,198,362.76	141,604,483.71
013	Plant & machinery	0.00	0.00
014	Power stations	1,912,792,367.27	1,746,912,111.36
015	Construction equipment	0.00	0.00
016	Others	162,575,331.69	138,131,766.50
017	**Sub-total (Repairs & maintenance)**	**2,219,566,061.72**	**2,026,648,361.57**
019	Load Dispatch Center Charges	14,187,553.00	31,375,732.00
021	Insurance	95,949,491.53	62,071,329.06
022	Interest to beneficiaries	0.00	0.00
023	Rates and taxes	32,597,705.58	38,333,215.20
024	Water cess & environment protection cess	0.00	0.00
025	Training & recruitment expenses	6,767,457.00	10,185,896.28
026	Less: Receipts	0.00	0.00
027	**Sub-total (Training and recruitment expenses)**	**6,767,457.00**	**10,185,896.28**
028	Communication expenses	23,325,874.40	27,071,413.90
029	Inland Travel	68,929,540.29	85,854,837.45
030	Foreign Travel	12,934.00	363,665.90
031	Tender expenses	0.00	0.00
032	Less: Receipt from sale of tenders	5,718.00	0.00
033	**Sub-total (Tender expenses)**	**-5,718.00**	**0.00**
034	Payment to auditors	0.00	0.00
035	Audit fee	0.00	0.00
036	Tax audit fee	0.00	0.00
037	Other services	0.00	0.00
038	Reimbursement of expenses	0.00	0.00
039	**Sub-total (Payment to Auditors)**	**0.00**	**0.00**
040	Advertisement and publicity	505,249.00	3,928,858.00
041	Electricity duty	0.00	0.00
042	Security expenses	635,515,227.46	385,441,954.90
043	Entertainment expenses	29,866,561.79	32,579,986.20
044	Expenses for guest house	15,549,605.39	14,957,054.21
045	Less:Recoveries	902,902.50	0.00
046	**Sub-Total (Guest house expenses)**	**14,646,702.89**	**14,957,054.21**
047	Education expenses	66,357,288.00	47,412,172.00
049	Donations	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 42 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
050	Ash utilisation & marketing expenses	2,277,003,676.36	2,627,397,887.93
051	Directors sitting fee	0.00	0.00
053	Professional charges and consultancy fees	3,432,121.49	10,337,192.00
054	Legal expenses	12,902,711.00	11,601,237.00
055	EDP hire and other charges	2,284,144.00	3,034,908.00
056	Printing and stationery	1,115,331.80	1,272,102.57
057	Oil & gas exploration expenses	0.00	0.00
059	Hiring of vehicles	46,771,209.27	66,663,311.11
061	Reimbursement of L.C.charges on sales realisation	0.00	0.00
062		0.00	0.00
063	Cost of Hedging	81,468.00	0.00
064	Derivatives MTM loss/gain (Net)	0.00	0.00
065	Net loss/(gain) in foreign currency transactions & translations	-12,088,414.85	649,180.59
066	Transport Vehicle running expenses	512,572.62	773,694.59
067	Horticulture Expenses	28,239,107.75	32,797,865.80
068	Hire charges- helicopter/aircraft.	0.00	0.00
069	Hire charges of construction equipment	0.00	0.00
070	Demurrage Charges	0.00	0.00
072		0.00	0.00
073	Miscellaneous expenses	36,859,717.65	24,578,810.00
074	Loss on disposal/write-off of PPE	74,593,032.61	26,382,022.43
075	**Sub-Total**	**6,126,324,168.68**	**6,306,252,265.84**
076	Less: Other expenses allocated to fuel inventory	700,782,584.88	581,644,481.13
077	Less: Transferred/Allocated to development of coal mines	0.00	0.00
078	Less: Transferred to fly ash utilisation reserve fund	250,492,809.25	435,521,533.25
079	Less: Hedging cost Net recoverable/payable from/to beneficiaries	0.00	0.00
080	Less: Others	0.00	0.00
081	Less: Transferred to CSR Expenses	51,345,235.33	32,372,068.00
082	Less:Transferred to Expenditure during Construction period(net)-Note 43	15,980,126.23	19,134,788.61
083	**Net (Generation, Administration and Other expenses)**	**5,107,723,412.99**	**5,237,579,394.85**
084	Corporate Social Responsibility Expenses	78,790,988.91	71,852,629.05
085	Less: Grants-in-aid	0.00	0.00
086	**Sub-total (Corporate Social Responsibility Expenses)**	**78,790,988.91**	**71,852,629.05**
087	**Provisions**	**0.00**	**0.00**
088	Doubtful Debts	0.00	0.00
089	Doubtful loans, advances and claims	0.00	0.00
090	Doubtful Construction Advances	655,458.00	0.00
091	Shortage in stores	25,455,454.61	37,505,764.39
092	Obsolete/Dimunition in the value of surplus stores	6,066,375.54	570,776.54
093	Shortage in construction stores	0.00	0.00
094	Dimunition in value of long term investments	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 42 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
095	Shortage in Fixed assets	3,130,973.83	0.00
096	Unfinished minimum work progress from oil & gas exploration	0.00	0.00
097	Unserviceable capital works	66,321,112.64	55,041,675.88
098	Tariff Adjustment	123,946,000.00	49,108,000.00
099	Others :	0.00	0.00
100	(i) Provision for arbitration cases	1,658,231.06	1,662,774.16
101	(ii) Other provisions	0.00	0.00
102	**Total (Provisions)**	**227,233,605.68**	**143,888,990.97**
103		0.00	0.00
104	**Total**	**5,413,748,007.58**	**5,453,321,014.87**
105		0.00	0.00
106	**Breakup of miscellaneous expenses.**	**0.00**	**0.00**
109	Hire charges of office equipment	0.00	0.00
111	Operating expenses of construction equipment	0.00	0.00
112	Operating expenses of D.G. sets	0.00	0.00
113	Furnishing expenses	250,107.33	1,056,205.45
114	Subscription to trade and other associations.	5,000.00	0.00
116	Visa and entry permit charges	0.00	0.00
117	Tree plantation exp.-NTPC Land	0.00	0.00
118	Research & development expenses .	0.00	0.00
119	Less : Grants received for Research & develoment expenses.	0.00	0.00
120	Sub-total (Research & development expenses)	0.00	0.00
121	Bank charges	123,056.65	259,371.36
122	Business Development Expenditure	0.00	0.00
123	Surcharge (NVVN)	0.00	0.00
124	Power Trading Expenses	21,102,270.00	6,099,898.00
125	Brokerage & commission	3,829,973.00	1,981,123.00
129	Books and periodicals	77,275.00	209,875.44
130	Claims/advances written off	0.00	0.00
131	Stores written off	351,398.00	715,169.00
132	Survey &Investigation expenses written off	0.00	0.00
133	Others	11,120,637.67	14,257,167.75
134	**Total**	**36,859,717.65**	**24,578,810.00**
135		0.00	0.00
136		0.00	0.00
137		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 43 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET) **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
001	**EXPENDITURE DURING CONSTRUCTION PERIOD (NET)**	**0.00**	**0.00**
002	A. Employee benefits expense	0.00	0.00
003	Salaries and wages	24,816,443.49	16,732,358.13
004	Contribution to provident and other funds	2,845,160.19	1,590,129.15
005	Unwinding of deffered payroll expenses	0.00	0.00
006	Staff welfare expenses	1,218,877.85	1,833,370.57
007	**Total (A)**	**28,880,481.53**	**20,155,857.85**
008	**B. Finance Costs**	**0.00**	**0.00**
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
010	Bonds	18,646,712.16	13,664,515.88
011	Foreign currency term loans	6,457,336.85	5,442,100.99
012	Rupee term loans	130,450,396.47	109,179,372.79
013	Foreign currency bonds/notes	0.00	0.00
014	Unwinding of discount on account of vendor liabilities	1,899,423.31	0.00
015	Others	0.00	0.00
016		0.00	0.00
017	Other Borrowings Costs	0.00	0.00
018	Guarantee Commission	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00
020	Commitment charges/Exposure Premium	0.00	0.00
021	Legal Expenses on foreign currency loans	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00
024	Upfront Fee	0.00	0.00
025	Exchange Differences	0.00	0.00
026	Others	230,213.18	35,773.88
027	Exchange differences regarded as adjustment to interest cost	203,855.30	6,195,497.51
028	**Total (B)**	**157,887,937.27**	**134,517,261.05**
029		0.00	0.00
030	C. Depreciation and amortisation	5,696,478.91	8,270,796.44
031	**D. Generation , administration and other expenses**	**0.00**	**0.00**
032	Power charges	1,126,410.00	3,049,209.00
033	Less: Recovered from contractors & employees	24,608.58	9,196.53
034	**Sub-total(Net power charges)**	**1,101,801.42**	**3,040,012.47**
035	Water charges	0.00	0.00
036	Rent	0.00	0.00
037	Repairs & maintenance	0.00	0.00
038	Buildings	443,140.00	1,445,615.67
039	Construction equipment	0.00	0.00
040	Others	0.00	5,869.00
041		0.00	0.00
042	Insurance	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 43 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET) **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
043	Rates and taxes	2,942.00	0.00
044	Communication expenses	184,143.57	456,605.00
045	Travelling expenses	1,292,763.07	581,302.78
046	Tender expenses	0.00	0.00
047	Less: Income from sale of tenders	0.00	0.00
048	**Sub-total (Net tender expenses)**	**0.00**	**0.00**
049	Advertisement and publicity	0.00	0.00
050	Security expenses	8,088,480.45	8,185,215.25
051	Entertainment expenses	171,867.00	102,000.00
052	Guest house expenses	1,383,569.02	1,331,732.35
053	Less: Receipt from guest house	0.00	0.00
054	**Sub-total (Net Guest House Expenses)**	**1,383,569.02**	**1,331,732.35**
055	Education expenses	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	0.00	1,588.00
058	Community development expenses	0.00	0.00
059	Professional charges and consultancy fee	1,340,862.00	1,273,385.01
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	763,215.00	1,191,429.00
062	Printing and stationery	89,147.70	4,791.00
063	Miscellaneous expenses	1,118,195.00	1,515,243.08
064	**Total (D)**	**15,980,126.23**	**19,134,788.61**
065	**Total (A+B+C+D)**	**208,445,023.94**	**182,078,703.95**
066	**E. Less: Other Income**	**0.00**	**0.00**
067	Interest from	0.00	0.00
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	0.00
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
073	Sale of scrap	0.00	0.00
074	Exchange Differences	0.00	0.00
075	Miscellaneous income	77,921.76	41,394.00
076	**TOTAL (E)**	**77,921.76**	**41,394.00**
077	F. Net actuarial gain/loss OCI	263,204.64	418,204.22
078		0.00	0.00
079	**GRAND TOTAL (A+B+C+D-E+F)**	**208,630,306.82**	**182,455,514.17**
080		0.00	0.00
081	*** Balance carried to Capital Work-in-progress - (Note 3)**	**208,630,306.82**	**182,455,514.17**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 43A TO THE FS--EDC- COAL MINING **(Amount in ₹)**

	For the Year ended	31.03.2021	31.03.2020
001	**EDC- Coal Mining**	**0.00**	**0.00**
002	A. Employee benefits expense	0.00	0.00
003	Salaries and wages	0.00	0.00
004	Contribution to provident and other funds	0.00	0.00
005	Unwinding of deffered payroll expenses	0.00	0.00
006	Staff welfare expenses	0.00	0.00
007	**Total (A)**	**0.00**	**0.00**
008	**B. Finance Costs**	**0.00**	**0.00**
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
010	Bonds	0.00	0.00
011	Foreign currency term loans	0.00	0.00
012	Rupee term loans	0.00	0.00
013	Foreign currency bonds/notes	0.00	0.00
014	Unwinding of discount on account of vendor liabilities	0.00	0.00
015	Others	0.00	0.00
016		0.00	0.00
017	Other Borrowings Costs	0.00	0.00
018	Guarantee Commission	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00
020	Commitment charges/Exposure Premium	0.00	0.00
021	Legal Expenses on foreign currency loans	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00
024	Upfront Fee	0.00	0.00
025	Exchange Differences	0.00	0.00
026	Others	0.00	0.00
027	Exchange differences regarded as adjustment to interest cost	0.00	0.00
028	**Total (B)**	**0.00**	**0.00**
029		0.00	0.00
030	C. Depreciation and amortisation	0.00	0.00
031	**D. Generation , administration and other expenses**	**0.00**	**0.00**
032	Power charges	0.00	0.00
033	Less: Recovered from contractors & employees	0.00	0.00
034	**Sub-total(Net power charges)**	**0.00**	**0.00**
035	Water charges	0.00	0.00
036	Rent	0.00	0.00
037	Repairs & maintenance	0.00	0.00
038	Buildings	0.00	0.00
039	Construction equipment	0.00	0.00
040	Others	0.00	0.00
041	Cost of Captive Coal	0.00	0.00
042	Insurance	0.00	0.00
043	Rates and taxes	0.00	0.00

	For the Year ended	31.03.2021	31.03.2020
044	Communication expenses	0.00	0.00
045	Travelling expenses	0.00	0.00
046	Tender expenses	0.00	0.00
047	Less: Income from sale of tenders	0.00	0.00
048	**Sub-total (Net tender expenses)**	**0.00**	**0.00**
049	Advertisement and publicity	0.00	0.00
050	Security expenses	0.00	0.00
051	Entertainment expenses	0.00	0.00
052	Guest house expenses	0.00	0.00
053	Less: Receipt from guest house	0.00	0.00
054	**Sub-total (Net Guest House Expenses)**	**0.00**	**0.00**
055	Education expenses	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	0.00	0.00
058	Community development expenses	0.00	0.00
059	Professional charges and consultancy fee	0.00	0.00
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	0.00	0.00
062	Printing and stationery	0.00	0.00
063	Miscellaneous expenses	0.00	0.00
064	**Total (D)**	**0.00**	**0.00**
065	**Total (A+B+C+D)**	**0.00**	**0.00**
066	**E. Less: Other Income**	**0.00**	**0.00**
067	Interest from	0.00	0.00
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	0.00
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
073	Sale of scrap	0.00	0.00
074	Exchange Differences	0.00	0.00
075	Miscellaneous income	0.00	0.00
076	**TOTAL (E)**	**0.00**	**0.00**
077	F. Net actuarial gain/loss OCI	0.00	0.00
078		0.00	0.00
079	**GRAND TOTAL (A+B+C+D-E+F)**	**0.00**	**0.00**
080		0.00	0.00
081	*** Balance carried to Capital Work-in-progress - (Note 3)**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 44-A TO THE FINANCIAL STATEMENTS **(Amount in ₹)**

	As at	31.03.2021	31.03.2020
001	Balance sheet	0.00	0.00
002	Freehold land for which conveyancing of the title is awaiting completion of legal formalities	0.00	0.00
003	(a) area (in acres)	0.00	0.00
004	(b) value (in rs)	0.00	0.00
005	Right-of-use land for which execution of lease deed is awaiting completion of legal formalities	0.00	0.00
006	(a) area (in acres)	0.00	0.00
007	(b) value (in rs)	0.00	0.00
008	Right-of-use land acquired on perpetual lease and accordingly not amortised	0.00	0.00
009	(a) area (in acres)	0.00	0.00
010	(b) value (in rs.)	0.00	0.00
011	Land in physical possesession of the company which has not been shown in the books pending settlement of price (in acres)	0.00	0.00
012	Deposit with government authorities towards land in possession of the company included in cost of land which is subject to adjus	0.00	0.00
013	**Land not in possession of the company**	**0.00**	**0.00**
014	(a) area (in acres)	0.00	0.00
015	-Freehold	0.00	0.00
016	-Right of Use	0.00	0.00
017	(b) value (in rs)	0.00	0.00
018	-Freehold	0.00	0.00
019	-Right of Use	0.00	0.00
020	Right-of-use buildings pending completion of legal fomalities - value (in rs.)	0.00	0.00
021	Estimated amount of contracts remaining to be executed on capital account and not provided for	0.00	0.00
022	Property, plant & equipment	2,688,174,749.50	2,313,397,835.27
023	Intangible assets	0.00	0.00
024	Details of precommissioning expenditure	0.00	0.00
025	(a) precommissioning expenses	0.00	0.00
026	(b) precommissioning income	0.00	0.00
027	(c) net precommissioning expenditure	0.00	0.00
028		0.00	0.00
029		0.00	0.00
030		0.00	0.00
031	Exchange rate variation taken to revenue during the year (with -ve sign, if favourable)	-3,370,499.46	649,180.59
045	Exchange rate variation capitalised during the year (with -ve sign, if favourable)	-1,108,434.65	21,144,221.85
047	Leases as Lessee	0.00	0.00
048	Leases classified as Right to Use	0.00	0.00
049	A) Obligation towards Minimum Lease Payments (undiscounted)	0.00	0.00
050	3 months or less (A)	980,958,087.02	619,299,485.00

	As at	31.03.2021	31.03.2020
051	3-12 Months (B)	1,204,816.26	155,726,886.02
052	1-2 Years (C)	35,546,997.22	207,238,441.26
053	2-5 Years (D)	4,866,663.83	37,973,260.65
054	More than 5 Years (E)	152,542,382.57	154,982,783.41
055	**Total (A+B+C+D+E)**	**1,175,118,946.90**	**1,175,220,856.34**
056	Opening Balance of Lease Liabilities (A)	791,285,864.84	788,947,518.84
057	- Additions in lease liabilities (B)	0.00	1,896,287.00
058	- Interest cost during the year (C)	1,445,806.15	1,538,760.00
059	- Payment of lease liabilities (D)	0.00	1,096,701.00
060	**Closing Balance of Lease Liabilities (A+B+C-D)**	**792,731,670.99**	**791,285,864.84**
061	Current Lease Liabilities	741,999,532.17	551,252,850.46
062	Non Current Lease Liabilities	50,732,138.83	240,033,016.02
063	Depreciation and amortisation expense for right-of-use assets	0.00	54,354,990.12
064	Short Term Leases	0.00	0.00
065	A) Rent	0.00	0.00
066	Company lease accomodation - executives	0.00	-900.65
067	Company lease accomodation - directors	0.00	0.00
068	Others	0.00	0.00
069	**Total**	**0.00**	**-900.65**
070	Cash Outflow from Leases	0.00	1,095,800.35
071	B) (i) receipts from sub-lease of office buildings	0.00	0.00
072	(ii) receipts from sub-lease of helicopter	0.00	0.00
073	**Leases as Lessor**	**0.00**	**0.00**
074	**Finance Leases**	**0.00**	**0.00**
075	Finance Income on Net Investment in Lease	0.00	0.00
076	Income Related to Variable Lease Payments	0.00	0.00
077		0.00	0.00
078	**Undiscounted Lease payments to be received**	**0.00**	**0.00**
079	Less than one year (A)	0.00	0.00
080	Between one and two years (B)	0.00	0.00
081	Between two and three years (C)	0.00	0.00
082	Between three and four years (D)	0.00	0.00
083	Between four and five years (E)	0.00	0.00
084	More than five years (F)	0.00	0.00
085	**Total minimum lease payments (A+B+C+D+E+F)**	**0.00**	**0.00**
086	Less amounts representing unearned finance income	0.00	0.00
087	Present value of minimum lease payments	0.00	0.00
088		0.00	0.00
089	**Operating Leases**	**0.00**	**0.00**
090	Lease Income	0.00	0.00
091	Income Related to Variable Lease Payments	0.00	0.00
092		0.00	0.00
093	**Undiscounted Lease payments to be received**	**0.00**	**0.00**
094	Less than one year (A)	0.00	0.00

	As at	31.03.2021	31.03.2020
095	Between one and two years (B)	0.00	0.00
096	Between two and three years (C)	0.00	0.00
097	Between three and four years (D)	0.00	0.00
098	Between four and five years (E)	0.00	0.00
099	More than five years (F)	0.00	0.00
100	**Total minimum lease payments (A+B+C+D+E+F)**	**0.00**	**0.00**
101	Borrowing cost capitalised during the year	157,887,937.27	134,517,261.05
102	Revenue grants recognized during the year	0.00	0.00
103	Revenue expenditure on research and development	0.00	0.00
104	Capital expenditure on research and development.	0.00	0.00
105	Expenditure on sustainibility development - capital	0.00	0.00
106	Expenditure on csr- capital	0.00	0.00
107	Csr amount spent during the year, yet to be paid in cash	0.00	0.00
108	Constn/acquisition of any asset	0.00	0.00
109	On purpose other than above	1,297,911.00	9,143,441.49
110		0.00	0.00
111	Disclosure under msmed act 2006.	0.00	0.00
112	(i) (a) the principal amount remaining unpaid as at year end	416,769,892.40	456,025,263.54
113	(i) (b) interest due there on remaining unpaid as at Year end	0.00	0.00
114	(ii) the amount of interest paid by the buyer in terms of section 16, along with the amounts of the payment made to the supplier	0.00	0.00
115	(iii) the amount of interest due and payable for the period of delay in making payment(which has been paid but beyond the appoin	0.00	0.00
116	(iv) the amount of interest accrued and remaining unpaid at the end of the year; and	0.00	0.00
117	(v) the amount of further interest remaining due and payable even in the succeeding years, until such date when the interest due	0.00	0.00
118	Amount of inventories recognized as an expense (including fuel)	36,580,706,226.02	39,915,321,149.24
119	Amount of inventories capitalised as overhauling assets out of 112 above	76,686,639.23	93,874,491.60
120	Amount capitalised as edc out of 112 above	0.00	0.00
133	Value of Imported Material Consumed during the Year	0.00	0.00
134		0.00	0.00
135	Contingent liabilities	0.00	0.00
136	A. Claims against the company not acknowledged as debts in respect of :	0.00	0.00
137	(i)Capital works	337,064,367.61	347,451,163.23
138	(ii)Land compensation cases	0.00	0.00
139	(iii)Others by state authorities towards:-	0.00	0.00

	As at	31.03.2021	31.03.2020
140	(a) Water royalty / water charges / nala tax	0.00	0.00
141	(b) Diversion of land / building permission fees	0.00	0.00
142	(c) Other demands by state authorities	236,369,982.27	268,642,507.69
143	(iv) Others by fuel companies	0.00	0.00
144	(a) Disputes related to grade slippage-third party sampling	3,053,785,650.55	8,408,415,014.36
145	(b) Surface transportation charges on coal	371,742,273.26	0.00
146	(c) Take or pay claim - Gas stations	0.00	0.00
147	(d) Other claims by fuel companies not acknowledged as debt	2,104,774,452.28	831,397,880.00
149	B.Disputed tax demands	0.00	0.00
150	(i) Income tax	0.00	0.00
151	(ii) Excise duty	0.00	0.00
152	(iii) Sales tax	0.00	0.00
153	(iv) Service tax	0.00	0.00
154	(v) Entry tax	0.00	0.00
155	C. Others	21,555,748,856.43	20,167,991,444.00
156	**Total**	**27,659,485,582.40**	**30,023,898,009.28**
157	D. Possible reimbursement on account of contingent liabilities	0.00	0.00
158	(i) Capital works	0.00	0.00
159	(ii)Land compensation cases	0.00	0.00
160	(iii)Others (by state authorities)	0.00	0.00
161		0.00	0.00
162	(iv) Others by fuel companies	3,554,513,950.81	8,537,401,041.00
163	(v) Disputed income tax demand	0.00	0.00
164	(vi) Disputed tax demands -others	0.00	0.00
165	(vii) Others	11,880,156.00	11,880,156.00
167	**Total**	**3,566,394,106.81**	**8,549,281,197.00**
168	E.AMOUNT PAID UNDER PROTEST/ADJUSTED BY AUTHORITIES - TAX CASES	0.00	0.00
169		0.00	0.00
170	F.CONTINGENT ASSETS	0.00	0.00
171		0.00	0.00
172		0.00	0.00
173		0.00	0.00
175	Previous year figures have been regrouped/rearranged wherever necessary.	0.00	0.00

BALANCE SHEET FY 2021-22

FARAKKA SUPER THERMAL POWER STATION

BALANCE SHEET **(Amount in ₹)**

	As at	Note	31.03.2022	31.03.2021
001	**ASSETS**		**0.00**	**0.00**
002			**0.00**	**0.00**
003	**NON-CURRENT ASSETS**		**0.00**	**0.00**
004	PROPERTY, PLANT & EQUIPMENT	2	27,479,660,089.79	27,088,116,419.62
005	CAPITAL-WORK-IN-PROGRESS	3	3,855,855,300.45	4,896,479,080.57
006	INTANGIBLE ASSETS	4	0.00	245,756.22
007	INTANGIBLE ASSETS UNDER DEVELOPMENT	5	0.00	0.00
008	**FINANCIAL ASSETS**		**0.00**	**0.00**
009	I) INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES	6	0.00	0.00
010	II) INVESTMENTS	7	5,000.00	5,000.00
011	III) TRADE RECEIVABLES	8	0.00	0.00
012	IV) LOANS	9	90,238,030.41	100,258,662.22
013	V) OTHER FINANCIAL ASSETS	10	0.00	0.00
015	OTHER NON-CURRENT ASSETS	11	958,343,277.20	762,320,454.76
016	**TOTAL NON-CURRENT ASSETS**		**32,384,101,697.85**	**32,847,425,373.39**
017			**0.00**	**0.00**
018	**CURRENT ASSETS**		**0.00**	**0.00**
019	INVENTORIES	12	4,578,924,029.15	5,457,250,582.30
020	**FINANCIAL ASSETS**		**0.00**	**0.00**
021	I) INVESTMENTS	13	0.00	0.00
022	II) TRADE RECEIVABLES	14	765,678.02	40,791,472.93
023	III) CASH AND CASH EQUIVALENTS	15	12,209.00	204,005.98
024	IV) BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS	16	0.00	0.00
025	V) LOANS	17	80,059,933.46	87,483,778.05
026	VI) OTHER FINANCIAL ASSETS	18	223,353,357.12	73,070,816.40
027	CURRENT TAX ASSETS (NET)		0.00	0.00
028			0.00	0.00
029	OTHER CURRENT ASSETS	19	20,396,750,312.22	18,835,579,393.69
030			0.00	0.00
031	**TOTAL CURRENT ASSEETS**		**25,279,865,518.97**	**24,494,380,049.35**
032	REGULATORY DEFERRAL ACCOUNT DEBIT BALANCES	20	7,550,002,363.30	4,748,473,956.64
034	**TOTAL ASSETS**		**65,213,969,580.12**	**62,090,279,379.38**
035	**EQUITY AND LIABILITIES**		**0.00**	**0.00**
036	**EQUITY**		**0.00**	**0.00**
037	EQUITY SHARE CAPITAL	21	0.00	0.00
038	OTHER EQUITY	22	85,827,895,579.57	83,149,429,641.60
041	**TOTAL EQUITY**		**85,827,895,579.57**	**83,149,429,641.60**
042			0.00	0.00
043	**LIABILITIES**		**0.00**	**0.00**
044	**NON-CURRENT LIABILITIES**		**0.00**	**0.00**
045	**FINANCIAL LIABILITIES**		**0.00**	**0.00**
046	I) BORROWINGS	23	0.00	0.00
047	II) LEASE LIABILITIES	23A	17,281,952.11	50,732,138.83
048	**III) TRADE PAYABLES**		**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

BALANCE SHEET **(Amount in ₹)**

	As at	Note	31.03.2022	31.03.2021
049	- TOTAL OUTSTANDING DUES OF MICRO AND SMALL ENTERPRISES	24	197,098.06	676,934.43
050	- TOTAL OUTSTANDING DUES OF CREDITORS OTHER THAN MICRO AND SMALL ENTERPRISES	24	2,257,111.55	1,325,479.83
051	IV) OTHER FINANCIAL LIABILITIES	25	53,107,639.17	2,682,359.76
052	PROVISIONS	26	0.00	0.00
053	DEFERRED TAX LIABILITIES (NET)	27	0.00	0.00
054	OTHER NON-CURRENT LIABILITIES	28	0.00	0.00
055			**0.00**	**0.00**
056	**TOTAL NON-CURRENT LIABILITIES**		**72,843,800.89**	**55,416,912.85**
057			**0.00**	**0.00**
058	**CURRENT LIABILITIES**		**0.00**	**0.00**
059	**FINANCIAL LIABILITIES**		**0.00**	**0.00**
060	I) BORROWINGS	29	0.00	0.00
061	II) LEASE LIABILITIES	29A	773,527,186.36	741,999,532.17
062	**ii) Trade Payables**		**0.00**	**0.00**
063	- TOTAL OUTSTANDING DUES OF MICRO AND SMALL ENTERPRISES	30	522,265,498.18	304,161,911.60
064	- TOTAL OUTSTANDING DUES OF CREDITORS OTHER THAN MICRO AND SMALL ENTERPRISES	30	8,832,200,925.56	7,911,675,078.55
065	III) OTHER FINANCIAL LIABILITIES	31	1,255,430,559.79	1,408,058,356.45
066	OTHER CURRENT LIABILITIES	32	311,518,239.72	319,756,420.40
067	PROVISIONS	33	383,746,035.25	385,218,778.02
068	CURRENT TAX LIABILITIES (NET)	34	0.00	0.00
069			**0.00**	**0.00**
070	**TOTAL CURRENT LIABILITIES**		**12,078,688,444.86**	**11,070,870,077.19**
071			**0.00**	**0.00**
072	DEFERRED REVENUE	35	-8,123,000.00	-8,123,000.00
073	REGULATORY DEFERRAL ACCOUNT CREDIT BALANCES	36	0.00	0.00
074	INTER UNIT ACCOUNTS		-32,757,335,245.20	-32,177,314,252.26
075			**0.00**	**0.00**
076	**TOTAL EQUITY AND LIABILITIES**		**65,213,969,580.12**	**62,090,279,379.38**
077	Significant Accounting Policies as per Note 1		0.00	0.00
078			0.00	0.00
079	The accompanying notes 1 to 44 form an integral part of these financial statements.		0.00	0.00
080			**0.00**	**0.00**

SUNIL KUMAR AGRAWAL
Digitally signed by SUNIL KUMAR AGRAWAL
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(Auditor Initial & Stamp)

NARENDER KUMAR CHATRATH
Digitally signed by NARENDER KUMAR CHATRATH
Date: 2022.04.25 08:43:45 +05'30'
(Head of Finance)

SANJIV KUMAR
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(Head of Unit)

FARAKKA SUPER THERMAL POWER STATION

STATEMENT OF PROFIT AND LOSS **(Amount in ₹)**

	For the Year ended	Note	31.03.2022	31.03.2021
001	**Revenue**		**0.00**	**0.00**
002	Revenue from operations	37	48,491,884,907.01	47,838,122,643.10
003	Other income	38	202,241,128.60	737,306,836.28
005	**Total Income**		**48,694,126,035.61**	**48,575,429,479.38**
007	**Expenses**		**0.00**	**0.00**
008	Fuel including cost of captive coal	38A	36,534,350,716.37	35,759,883,600.89
009	Employee benefits expense	39	2,406,120,791.64	2,425,652,929.10
010	Electricity purchased for trading		0.00	0.00
011	Finance costs	40	550,109,872.42	583,923,145.07
012	Depreciation and amortization expenses	41	2,406,429,323.76	2,513,725,578.73
013			0.00	0.00
014	Other expenses	42	6,285,869,064.79	5,413,748,007.58
015	CC expenses charge to revenue		619,850,279.69	595,875,513.78
016	Less: Unit expenses transferred to CC		0.00	0.00
017	**Total expenses**		**48,802,730,048.67**	**47,292,808,775.15**
020	**Profit before exceptional items & tax**		**-108,604,013.06**	**1,282,620,704.23**
021	Exceptional items		0.00	0.00
024	**Profit before tax**		**-108,604,013.06**	**1,282,620,704.23**
027	**Tax expense:**		**0.00**	**0.00**
028	Current tax		0.00	0.00
031	Deferred tax		0.00	0.00
034			0.00	0.00
035	**Total Tax expense**		**0.00**	**0.00**
036	**Profit for the period before regulatory deferral account balances**		**-108,604,013.06**	**1,282,620,704.23**
037	**Movement in regulatory deferral account balances**		**0.00**	**0.00**
038	Regulatory deferred account - deferred		0.00	0.00
039	Others		2,802,583,564.09	2,017,812,645.16
040	Tax impact on Regulatory deferral account balances		0.00	0.00
041	**Movement in Regulatory deferrall account balances (Net of Tax)**		**2,802,583,564.09**	**2,017,812,645.16**
042	**Profit for the period/ year**		**2,693,979,551.03**	**3,300,433,349.39**
043	**Other comprehensive income**		**0.00**	**0.00**
044	**(A) Items that will not be reclassified to profit or loss**		**0.00**	**0.00**
045	- Net gains/(losses) on fair value of equity instruments through other comprehensive income		0.00	0.00
046	Income tax on above that will not be reclassified to profit or loss		0.00	0.00
047	- Net acturial gains/(losses) on defined benefit plans		-15,513,613.06	-46,304,937.42
048	Income tax on above that will not be reclassified to profit or loss		0.00	0.00
052		43	0.00	0.00
053	**Other comprehensive income for the year, net of income tax**		**-15,513,613.06**	**-46,304,937.42**
054			0.00	0.00
055	**Total Comprehensive Income for the year**		**2,678,465,937.97**	**3,254,128,411.97**
069			0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

STATEMENT OF PROFIT AND LOSS **(Amount in ₹)**

	For the Year ended	Note	31.03.2022	31.03.2021
070	**Earnings per equity share:**		**0.00**	**0.00**
071	Basic & Diluted		0.00	0.00
072	Significant Accounting Policies		0.00	0.00
073	Expenditure during construction period (Net)/Dev. of coal mines (net) 43 /43A		0.00	0.00
074	The accompanying notes 1 to 44 form an integral part of these financial statements.		0.00	0.00

SUNIL KUMAR AGRAWAL
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NARENDER KUMAR CHATRATH
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Date: 2022.04.25 08:45:54 +05'30'
(Head of Finance)

SANJIV KUMAR
Digitally signed by SANJIV KUMAR
Date: 2022.04.25 11:31:44 +05'30'
(Head of Unit)

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2021	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2022	Opening Depreciation As At 01.04.2021	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2022	Net Block As At 31.03.2022	Net Block As At 31.03.2021
1 TANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Land : (including development expenses)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Freehold	1654107045.42	0.00	0.00	1654107045.42	0.00	0.00	0.00	0.00	1654107045.42	1654107045.42
4 Right of Use	148101173.62	0.00	0.00	148101173.62	34878995.27	6834990.10	0.00	41713985.37	106387188.25	113222178.35
5 Submergence	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Right of use - Coal Bearing Area Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 Roads,bridges, culverts & helipads	322435942.02	0.00	0.00	322435942.02	84864910.74	11943621.66	0.00	96808532.40	225627409.62	237571031.29
8 Building :	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 Freehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Main plant	2231150022.06	0.00	0.00	2231150022.06	724856246.89	62226712.03	0.00	787082958.92	1444067063.14	1506293775.17
11 Others	1232270841.61	36117956.58	0.00	1268388798.19	286966910.45	40919217.04	0.00	327886127.49	940502670.70	945303931.16
12 Right of Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Temporary erection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 Water Supply, drainage & sewerage system	145305604.70	0.00	0.00	145305604.70	53386206.17	7204430.41	0.00	60590636.58	84714968.12	91919398.53
15 Hydraulic works, barrages, dams, tunnels and power channel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 MGR track and signalling system	924027362.74	0.00	0.00	924027362.74	446611727.66	71180241.41	0.00	517791969.07	406235393.67	477415635.08
17 Railway siding	3166441.50	0.00	0.00	3166441.50	0.00	0.00	0.00	0.00	3166441.50	3166441.50
18 Earth dam reservoir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19 Plant and machinery(including associated civil works) Owned Asset	33103678533.35	2893950943.29	105330853.89	36102960330.53	11968358509.38	2303440458.84	40867598.79	14312666567.01	21790293763.52	21135320024.01

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2021	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2022	Opening Depreciation As At 01.04.2021	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2022	Net Block As At 31.03.2022	Net Block As At 31.03.2021
20 Plant and machinery(including associated civil works) -Right of use Asset	857760000.00	0.00	0.00	857760000.00	283800000.00	47520000.00	0.00	331320000.00	526440000.00	573960000.00
21 Furniture and fixtures	141110822.09	800994.00	(75469.67)	141836346.42	50361207.10	9054073.65	(16068.34)	59399212.41	82437134.01	90749617.79
22 Assets under 5 Km Scheme	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 Vehicles including speedboats / helicopter-Owned	4959240.66	0.00	0.00	4959240.66	2220173.03	407555.20	0.00	2627728.23	2331512.43	2739067.63
24 Vehicles including speedboats / helicopter - Leased	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Office equipment	102025057.56	12310275.52	100817.66	114436150.74	45592082.54	13397768.69	57561.25	59047412.48	55388738.26	56432975.02
26 EDP, WP machines and satcom equipment	72580491.82	0.00	(841400.15)	71739091.67	56427461.78	8442274.69	(843066.82)	64026669.65	7712422.02	16153030.04
27 Construction equipments	110962103.96	0.00	0.00	110962103.96	69031925.74	8327094.30	0.00	77359020.04	33603083.92	41930178.22
28 Electrical Installations	127018508.51	0.00	0.00	127018508.51	63613798.08	11499140.50	0.00	75112938.58	51905569.93	63404710.43
29 Communication equipments	55372219.46	18797.67	(9277.94)	55381739.19	15237244.64	4452266.41	0.00	19689511.05	35692228.14	40134974.82
30 Hospital equipments	26306449.04	1472320.00	(1325.15)	27777443.89	7330764.95	8877524.10	0.00	16208289.05	11569154.84	18975684.09
31 Laboratory and workshop equipments	31193904.20	0.00	0.00	31193904.20	11877180.28	1838421.62	0.00	13715601.90	17478302.30	19316723.92
32 Capital expenditure on assets not owned by the Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33 Assets of Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2021	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2022	Opening Depreciation As At 01.04.2021	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2022	Net Block As At 31.03.2022	Net Block As At 31.03.2021
34 Less:Grants from Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35 Less: Recoverable from GOI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36 Assets for ash utilisation	4479551.00	0.00	0.00	4479551.00	0.00	0.00	0.00	0.00	4479551.00	4479551.00
37 (Less):-Adjusted from fly ash utilisation reserve fund	4479551.00	0.00	0.00	4479551.00	0.00	0.00	0.00	0.00	4479551.00	4479551.00
38 Site Restoration Cost	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Mining Properties	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total (Tangible)	41293531764.32	2944671287.06	104504198.64	44342707250.02	14205415344.70	2617565790.65	40066024.88	16863047160.23	27479660089.79	27088116422.47
Grand Total Prev Year (Tangible)	40042716755.30	1798770381.45	(547955372.43)	41293531764.32	12206484544.42	2711712161.73	(712781361.45)	14205415344.70	27088116419.62	27836232213.73

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	Tangible As At: 31.03.2022	**Tangible As At: 31.03.2021**	**Tangible As At: 31.03.2022**	**Tangible As At: 31.03.2021**
Disposal of assets	(874067.51)	(1251873.99)	(819067.51)	(1251873.99)
Retirement of assets	(60880542.36)	(786169679.03)	(24122567.59)	(711576646.42)
Cost adjustments	0.00	239419021.63	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	166258808.51	47158.96	65007659.98	47158.96
Others	0.00	0.00	0.00	0.00
TOTAL	**104504198.64**	**(547955372.43)**	**40066024.88**	**(712781361.45)**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet
Note 3: Capital-Work-in-Progress
Business Area: FARAKKA SUPER THERMAL POWER STATION

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2021	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2022
	1	2	3	4	5	6
1	CAPITAL WORK-IN-PROGRESS					
2	Development of land	3434616.00				3434616.00
3	Roads, bridges, culverts & helipads	694506792.38	71983180.12			766489972.50
4	Piling and foundation					
5	Buildings :					
6	Main plant					
7	Others		36339414.25	(4899283.62)	31440130.63	
8	Temporary erection					
9	Water supply, drainage and sewerage system					
10	Hydraulic works, barrages, dams, tunnels and power channel					
11	MGR track and signalling system					
12	Railway siding					
13	Earth dam reservoir					
14	Plant and equipment	4294863855.90	1045955126.52	(1691611741.43)	586436231.88	3062771009.11
15	Furniture and fixtures					
16	Vehicles					
17	Office equipment					
18	EDP/WP machines & satcom equipment					
19	Construction equipments					
20	Electrical installations	74819496.88	31151782.94	(94292123.19)		11679156.63
21	Communication equipment					
22	Hospital equipments					
23	Laboratory and workshop equipments					
24	Assets under 5Km Scheme of the GOI					
25	Capital expenditure on assets not owned by the company					
26	Expenditure towards development of coal mines					
27	Survey,Investigation,Consultancy & Supervision Cha	29089097.53				29089097.53
28	Difference in exchange on foreign currency loans					

Note forming part of Balance Sheet
Note 3: Capital-Work-in-Progress
Business Area: FARAKKA SUPER THERMAL POWER STATION

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2021	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2022
	1	2	3	4	5	6
29	Expenditure towards diversion of forest land					
30	Pre-commissioning expenses (net)					
31	ExpPendAlloca-oth ex attribut Project					
32	Expenditure During Construction Period (net)*	396586816.06	196786280.93	(199113.00)		593173983.99
33	LESS : Allocated to related works		119523659.20			119523659.20
34	LESS : Provision for Unservicable works	850248687.65	43117154.86			893365842.51
35	**Construction stores (At Cost)**					
36	Steel	140246431.97	4483674.23	34548768.17		179278874.37
37	Cement	10067891.69	2421002.88	(6341934.42)		6146960.15
38	Others	103112769.81	40991520.13	72576841.94		216681131.88
39	**Sub-total**	**253427093.47**	**47896197.24**	**100783675.69**		**402106966.40**
40	LESS : Provision for shortages					
41	**Sub-total**	**253427093.47**	**47896197.24**	**100783675.69**		**402106966.40**
42	**Total CWIP**	**4896479080.57**	**1267471167.94**	**(1690218585.55)**	**617876362.51**	**3855855300.45**
43						
44						
45	**PREVIOUS YEAR TOTAL**	**4442198049.86**	**1658624564.16**	**(968628047.85)**	**263711664.90**	**4896479080.57**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet
Note-4 Non Current Assets- Intangible Assets
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2021	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2022	Opening Depreciation As At 01.04.2021	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2022	Net Block As At 31.03.2022	Net Block As At 31.03.2021
INTANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 Right to Use- Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 -Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 -Software	1232175.00	0.00	(25729.14)	1206445.86	986418.78	245756.22	(25729.14)	1206445.86	0.00	245756.22
Grand Total (Intangible)	1232175.00	0.00	(25729.14)	1206445.86	986418.78	245756.22	(25729.14)	1206445.86	0.00	245756.22
Grand Total Prev Year (Intangible)	895875.00	336300.00	0.00	1232175.00	822514.45	163904.33	0.00	986418.78	245756.22	73360.55

Note forming part of Balance Sheet
Note-4 Non Current Assets- Intangible Assets
Business Area :1024

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	InTangible As At: 31.03.2022	**InTangible As At: 31.03.2021**	**InTangible As At: 31.03.2022**	**InTangible As At: 31.03.2021**
Disposal of assets	0.00	0.00	0.00	0.00
Retirement of assets	(25729.14)	0.00	(25729.14)	0.00
Cost adjustments	0.00	0.00	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	0.00	0.00	0.00	0.00
Others	0.00	0.00	0.00	0.00
TOTAL	**(25729.14)**	**0.00**	**(25729.14)**	**0.00**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet

(Amount in Rupees)

Note 5: Intangible Assets under Development

Business Area: FARAKKA SUPER THERMAL POWER STATION

Sl No	Asset Class	As At 01.04.2021	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2022
	1	2	3	4	5	6
1	INTANGIBLE ASSETS UNDER DEVELOPMENT					
2	Software					
3	Right to use Others					
4	Exploration and Evaluation Expentiture - Coal Mini					
5	Exploratory wells-in-progress					
6	**Less: Provision for exploratory wells-in-progress**					
7	**Total**					
8	**PREVIOUS YEAR TOTAL-I**					

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES

(Amount in ₹)

	As at	No. of shares	Face value	31.03.2022	31.03.2021
001	**NON CURRENT INVESTMENTS-INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES**			**0.00**	**0.00**
012	**EQUITY INSTRUMENTS - UNQUOTED-(FULLY PAID UP UNLESS OTHERWISE STATED, AT COST)**			**0.00**	**0.00**
013	**SUBSIDIARY COMPANIES**			**0.00**	**0.00**
014	PATRATU VIDYUT UTPADAN NIGAM LTD.			0.00	0.00
015	NTPC ELECTRIC SUPPLY COMPANY LTD.			0.00	0.00
016	NTPC VIDYUT VYAPAR NIGAM LTD.			0.00	0.00
017	NABINAGAR POWER GENERATING COMPANY LTD.			0.00	0.00
018	KANTI BIJLEE UTPADAN NIGAM LTD.			0.00	0.00
019	BHARTIYA RAIL BIJLEE COMPANY LTD.			0.00	0.00
020	NTPC MINING LTD (NML)			0.00	0.00
021	THDC INDIA LTD.			0.00	0.00
022	NEEPCO LTD.			0.00	0.00
023	NTPC EDMC Waste Solutions Pvt Ltd			0.00	0.00
024	NTPC Renewables Energy Ltd			0.00	0.00
025	Ratnagiri Gas & Power Pvt. Limited (RGPPL)			0.00	0.00
026				0.00	0.00
027				0.00	0.00
028				0.00	0.00
029				0.00	0.00
030	**SUB TOTAL**			**0.00**	**0.00**
055	**JOINT VENTURE COMPANIES**			**0.00**	**0.00**
056	Utility Powertech Ltd.			0.00	0.00
057	NTPC GE Power Services Pvt.Ltd.			0.00	0.00
058	NTPC-SAIL Power Company Ltd.			0.00	0.00
059	NTPC-Tamil Nadu Energy Company Ltd.			0.00	0.00

NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES

(Amount in ₹)

	As at	No. of shares	Face value	31.03.2022	31.03.2021
060	Ratnagiri Gas & Power Pvt. Limited (RGPPL)			0.00	0.00
061	ARAVALI POWER COMPANY PRIVATE LTD.			0.00	0.00
062				0.00	0.00
063	NTPC BHEL POWER PROJECTS PRIVATE LTD.			0.00	0.00
064	MEJA URJA NIGAM PRIVATE LIMITED			0.00	0.00
065	BF-NTPC ENERGY SYSTEMS LTD.			0.00	0.00
066				0.00	0.00
067	NABINAGAR POWER GENERATING COMPANY LTD.			0.00	0.00
068	TRANSFORMER AND ELECTRICAL KERALA LTD.			0.00	0.00
069	NATIONAL HIGH POWER TEST LABORTORY PRIVATE LTD.			0.00	0.00
070				0.00	0.00
071	CIL NTPC URJA PRIVATE LTD.			0.00	0.00
072	ANUSHAKTI VIDHYUT NIGAM LTD.			0.00	0.00
073	ENERGY EFFICIENCY SERVICES LTD.			0.00	0.00
074				0.00	0.00
075	TRINCOMALEE POWER COMPANY LTD.			0.00	0.00
076	BANGLADESH-INDIA FRIENDSHIP POWER COMPANY (PVT.) LTD.			0.00	0.00
077	HINDUSTAN URVARAK & RASAYAN LIMITED			0.00	0.00
078	KONKAN LNG LTD			0.00	0.00
081	**SUB TOTAL**			**0.00**	**0.00**
109	AGGREGATE AMOUNT OF IMPAIRMENT IN THE VALUE OF INVESTMENTS			0.00	0.00
110	TOTAL (NET OF IMPAIRMENT) OF JV			0.00	0.00
111	**Gross Total of Investments**			**0.00**	**0.00**
134	**Total**			**0.00**	**0.00**
135	Details of Investments			0.00	0.00
136	Aggregate amount of Unquoted Investments			0.00	0.00

NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES

(Amount in ₹)

	As at	No. of shares	Face value	31.03.2022	31.03.2021
141				0.00	0.00
142				0.00	0.00
143				0.00	0.00
144				0.00	0.00
145				0.00	0.00
153	Valuation of Investments as per Note 1.			0.00	0.00
154				0.00	0.00
202				0.00	0.00
233				0.00	0.00

NOTE NO. 7 TO THE FS-NCA-INVESTMENTS

(Amount in ₹)

	As at	No. of shares	Face value	31.03.2022	31.03.2021
001	Non-current financial assets (investments)			0.00	0.00
006	**Long Term - Trade**			**0.00**	**0.00**
007	**Equity Instruments (fully paid up-unless otherwise stated)**			**0.00**	**0.00**
008	**Quoted**			**0.00**	**0.00**
009	**JOINT VENTURE COMPANIES**			**0.00**	**0.00**
010	PTC India Ltd.			0.00	0.00
070	INTERNATIONAL COAL VENTURES PRIVATE LTD.			0.00	0.00
075	BF-NTPC ENERGY SYSTEMS LTD.			0.00	0.00
098				0.00	0.00
110	COOPERATIVE SOCIETIES			5,000.00	5,000.00
111	**SUB TOTAL**			**5,000.00**	**5,000.00**
112	AGGREGATE AMOUNT OF IMPAIRMENT IN THE VALUE OF INVESTMENTS			0.00	0.00
115	**TOTAL**			**5,000.00**	**5,000.00**
120				0.00	0.00
146	NTPC EMPLOYEES CONSUMERS AND THRIFT CO-OPERATIVE SOCIETY LTD. KORBA			0.00	0.00
147	NTPC EMPLOYEES CONSUMERS AND THRIFT COOPERATIVE SOCIETY LTD. RSTPP			0.00	0.00
148	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. FARAKKA			0.00	0.00
149	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. VINDHYACHAL			0.00	0.00
150	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. ANTA			0.00	0.00
151	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. KAWAS			0.00	0.00
152	NTPC Employees Consumers Cooperative Society Ltd. Kaniha			0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 8 TO THE FS-NCA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	Non-current financial assets - Trade receivables	0.00	0.00
002	UNSECURED, CONSIDERED GOOD	0.00	0.00
003	CREDIT IMPAIRED	0.00	0.00
004		0.00	0.00
005		0.00	0.00
006	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 9 TO THE FS-NCA-LOANS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**LOANS (NON CURRENT)**	**0.00**	**0.00**
004	RELATED PARTIES	0.00	0.00
005	SECURED	0.00	0.00
006	UN-SECURED	0.00	0.00
007	WITH SIGNIFICANT INCREASE IN CREDIT RISK	0.00	0.00
008	CREDIT IMPAIRED	0.00	0.00
009		0.00	0.00
010	EMPLOYEES(INCLUDING ACCRUED INTEREST)	0.00	0.00
011	SECURED	65,849,729.65	75,918,669.56
012	UNSECURED	51,661,136.87	57,754,557.60
013	WITH SIGNIFICANT INCREASE IN CREDIT RISK	0.00	0.00
014	CREDIT IMPAIRED	0.00	0.00
015	LESS : EMPLOYEE LOANS DISCOUNTING	0.00	0.00
016	SECURED	19,145,459.04	24,014,185.88
017	UNSECURED	8,127,377.07	9,400,379.06
018	LOAN TO STATE GOVERNMENT IN SETTLEMENT OF DUES FROM CUSTOMERS (UNSECURED)	0.00	0.00
019	OTHERS	0.00	0.00
020	SECURED	0.00	0.00
021	UNSECURED	0.00	0.00
022	WITH SIGNIFICANT INCREASE IN CREDIT RISK	0.00	0.00
023	CREDIT IMPAIRED	0.00	0.00
024	LESS: ALLOWANCE FOR CREDIT IMPAIRED LOANS	0.00	0.00
025	**SUB TOTAL**	**90,238,030.41**	**100,258,662.22**
026		0.00	0.00
027	**TOTAL**	**90,238,030.41**	**100,258,662.22**
028		0.00	0.00
029		0.00	0.00
030	**Due from Directors and Officers of the Company**	**0.00**	**0.00**
031	Directors	0.00	0.00
032	Officers	0.00	0.00
033		**0.00**	**0.00**
034	**Loans to related parties include:**	**0.00**	**0.00**
035	i)Key management personel	0.00	0.00
036	ii)Subsidiary companies	0.00	0.00
037	iii)Joint Venture companies	0.00	0.00
038	iv)Others	0.00	0.00
039		**0.00**	**0.00**
054	Other loans represent loans given to	0.00	0.00
055	a) APIIC	0.00	0.00
060		0.00	0.00
061	RPD	0.00	0.00
062	i)Key management personel	0.00	0.00

NOTE NO. 9 TO THE FS-NCA-LOANS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
063	ii)Subsidiary companies	0.00	0.00
064	iii)Joint Venture companies	0.00	0.00
065	iv)Others	0.00	0.00
066	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 10 TO THE FS-NCA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**Other Financial Assets (non current)**	**0.00**	**0.00**
002		0.00	0.00
003	**Share application money pending allotment in (Subsidiary Companies) :**	**0.00**	**0.00**
004	NTPC Electric Supply Company Ltd.	0.00	0.00
005	NTPC Vidyut Vyapar Nigam Ltd.	0.00	0.00
006	Nabinagar Power Generating Company Ltd.	0.00	0.00
007	Kanti Bijlee Utpadan Nigam Ltd.	0.00	0.00
008	Bhartiya Rail Bijlee Company Ltd.	0.00	0.00
009	Patratu Vidyut Utpadan Nigam Ltd.	0.00	0.00
010	NTPC Mining Limited	0.00	0.00
011	THDC Ltd.	0.00	0.00
012	NEEPCO Ltd	0.00	0.00
013		0.00	0.00
014	**Total**	**0.00**	**0.00**
015	**Share application money pending allotment (Joint Venture)**	**0.00**	**0.00**
016	Utility Powertech Ltd.	0.00	0.00
017	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
018	NTPC-SAIL Power Company Ltd.	0.00	0.00
019	NTPC-Tamil Nadu Energy Company Ltd.	0.00	0.00
020	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
021	Aravali Power Company Private Ltd.	0.00	0.00
022		0.00	0.00
023	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
024	Meja Urja Nigam Private Limited	0.00	0.00
025	BF-NTPC Energy Systems Ltd.	0.00	0.00
026	Anushakti Vidhyut Nigam Ltd.	0.00	0.00
027	Nabinagar Power Generating Company Ltd.	0.00	0.00
028	Energy Efficiency Services Ltd.	0.00	0.00
029	National High Power Test Labortory Private Ltd.	0.00	0.00
030		0.00	0.00
031	CIL NTPC Urja Private Ltd.	0.00	0.00
032	Trincomalee Power Company Ltd.	0.00	0.00
033	Hindustan Urvarak & Rasayan Limited	0.00	0.00
034	Bangladesh-India Friendship Power Company Private Ltd.	0.00	0.00
035	**Sub Total**	**0.00**	**0.00**
036		0.00	0.00
037	Claims Recoverable	0.00	0.00
038	Finance Lease Recoverable	0.00	0.00
039	Mine Closure Deposit	0.00	0.00
041	**Total**	**0.00**	**0.00**

(Amount in ₹)

As at	31.03.2022	31.03.2021

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**Other Non-current Assets**	**0.00**	**0.00**
002		**0.00**	**0.00**
003	**CAPITAL ADVANCES**	**0.00**	**0.00**
004	SECURED	0.00	0.00
005	Unsecured	0.00	0.00
006	COVERED BY BANK GUARANTEE	803,882,814.50	617,032,641.12
007	OTHERS	129,099,319.17	115,368,700.32
008	CONSIDERED DOUBTFUL	176,846,876.71	173,871,877.33
009	LESS: ALLOWANCE FOR BAD & DOUBTFUL ADVANCES	176,846,876.71	173,871,877.33
010	**Sub-Total**	**932,982,133.67**	**732,401,341.44**
011		0.00	0.00
012	Advances other than capital advances	0.00	0.00
013	SECURITY DEPOSITS	1,934,000.00	1,934,000.00
019	Advances to Related parties	0.00	0.00
022	**Advances to Contractors & Suppliers**	**0.00**	**0.00**
023	SECURED	0.00	0.00
024	UNSECURED	0.00	0.00
025	CONSIDERED DOUBTFUL	1,125,700,000.00	1,125,700,000.00
026	LESS: ALLOWANCE FOR BAD & DOUBTFUL ADVANCES	1,125,700,000.00	1,125,700,000.00
027	**Sub Total**	**1,934,000.00**	**1,934,000.00**
028	RECEIVABLE FROM MCP ESCROW A/C	0.00	0.00
039	ADVANCE TAX & TAX DEDUCTED AT SOURCE	1,569,077.16	990,527.68
040	LESS:- PROVISION FOR CURRENT TAX	0.00	0.00
041		0.00	0.00
042	**Sub Total**	**1,569,077.16**	**990,527.68**
043	DEFERRED PAYROLL EXPENSES (SECURED)	16,146,218.22	20,643,402.60
044	DEFERRED PAYROLL EXPENSES (UNSECURED)	5,711,848.15	6,351,183.04
045	**Sub Total**	**21,858,066.37**	**26,994,585.64**
046	DEFERRED FOREIGN CURRENCY FLUCTUATION ASSET	0.00	0.00
048	**Total**	**958,343,277.20**	**762,320,454.76**
049		0.00	0.00
050		0.00	0.00
061	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
063		0.00	0.00
064	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
065		0.00	0.00
066	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
067	Aravali Power Company Private Ltd.	0.00	0.00
068	NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
069	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
070	Meja Urja Nigam Private Limited	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
071	Nabinagar Power Generating Company Ltd.	0.00	0.00
072	National High Power Test Labortory Private Ltd.	0.00	0.00
074	CIL NTPC Urja Private Ltd.	0.00	0.00
076		0.00	0.00
077	**Related Party (Adv)**	**0.00**	**0.00**
078	Key Management personel	0.00	0.00
079	Subsidiary companies	0.00	0.00
080	Joint Venture companies	0.00	0.00
081	Contractors	0.00	0.00
082	Others	0.00	0.00
084		0.00	0.00
085	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 12 TO THE FS-CA-INVENTORIES **(Amount in ₹)**

		As at 31.03.2022	31.03.2021
001	**INVENTORIES**	**0.00**	**0.00**
002		**0.00**	**0.00**
003	Coal	958,300,110.20	2,080,784,973.60
004	Fuel oil	463,908,700.10	228,974,589.87
005	Naphtha	0.00	0.00
006	Stores and spares	2,494,368,415.08	2,446,690,728.00
007	Chemicals & consumables	182,385,443.73	156,522,219.60
008	Loose tools	12,061,559.61	13,260,181.74
009	Steel Scrap	1,324,238.73	282,026.80
010	Others	853,600,068.83	718,407,621.34
011	**Sub Total**	**4,965,948,536.28**	**5,644,922,340.95**
012	Less: Provision for shortages	264,496,645.98	87,907,640.31
013	Less: Provision for obsolete/ unservicable/dimunition in value of surplus inventory	122,527,861.15	99,764,118.34
014		0.00	0.00
015	**Total**	**4,578,924,029.15**	**5,457,250,582.30**
016	**Inventories include material in transit**	**0.00**	**0.00**
017	Coal	339,028,977.71	192,521,429.31
018	Fuel oil	0.00	0.00
019	Naphtha	0.00	0.00
020	Stores and spares	14,377,306.32	8,320,950.32
021	Chemicals & consumables	2,366,732.71	93,260.50
022	Loose tools	0.00	0.00
023	Others	6,315,567.12	8,455,230.69
024		**0.00**	**0.00**
025	Inventory items other than steel scrap have been valued considering Note 1.	0.00	0.00

NOTE NO. 13 TO THE FS-CA-INVESTMENTS

(Amount in ₹)

	As at	No. of shares	Face value	31.03.2022	31.03.2021
001	**CURRENT INVESTMENTS**			**0.00**	**0.00**
002	**(Valuation as per Note 1)**			**0.00**	**0.00**
003				0.00	0.00
033	Investment in Mutual Funds (Details as under)			0.00	0.00
034	SBI-Magnum Insta Cash Fund-DDR			0.00	0.00
035	SBI Premier Liquid Fund Super-IP-DDR			0.00	0.00
036	SBI-SHF Ultra Short Term Fund-IP-DDR			0.00	0.00
037	UTI Money Market- IP-Direct-Growth			0.00	0.00
038	IDBI-Liquid plan- Direct-Growth			0.00	0.00
039	Canara Robeco Liquid Fund Super-IP-DDR			0.00	0.00
040	Canara Robeco Treasury Advantage Fund Super-IP-DDR			0.00	0.00
041	IDBI Liquid Fund-DDR			0.00	0.00
042	SBI Premier Liquid fund-Direct DDR (Ash Fund)			0.00	0.00
043	UTI Liquid CashPlan - IP - DDR (Ash Funds)			0.00	0.00
044	IDBI Liquid Fund - DDR - (Ash Funds)			0.00	0.00
045	Baroda Liquid Fund - Direct - Growth			0.00	0.00
046	**Sub Total**			**0.00**	**0.00**
047				**0.00**	**0.00**
052	**Unquoted Investments**			**0.00**	**0.00**
054				0.00	0.00
066	**TOTAL**			**0.00**	**0.00**
067				0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 14 TO THE FS-CA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**TRADE RECEIVABLES (current)***	**0.00**	**0.00**
002		0.00	0.00
003	Secured,Considered Good	0.00	0.00
004	Unsecured , considered good	765,678.02	40,791,472.93
005	Credit impaired	0.00	0.00
006	Unbilled Revenue	0.00	0.00
007	**Sub-Total**	**765,678.02**	**40,791,472.93**
008	**Total**	**765,678.02**	**40,791,472.93**
009	Less: Allowance for credit impaired receivables	0.00	0.00
010	**Total**	**765,678.02**	**40,791,472.93**
012	Less: Discom Clearing	0.00	0.00
013	**Grand Total**	**765,678.02**	**40,791,472.93**
014	* After adjustment for Unbilled Revenue	0.00	0.00
015	Long-term trade receivables	0.00	0.00
016	TCS Clearing	0.00	0.00
017	Discom Clearing	0.00	0.00
228	**Trade Receivable**	**0.00**	**0.00**
230	Not due	0.00	0.00
231	Due	0.00	0.00
232	(i) Undisputed Trade receivables # considered good	765,678.02	40,791,472.93
233	(ii) Undisputed Trade Receivables # which have significant increase in credit risk	0.00	0.00
234	(iii) Undisputed Trade Receivables # credit impaired	0.00	0.00
235	(iv) Disputed Trade Receivables#considered good	0.00	0.00
236	(v) Disputed Trade Receivables # which have significant increase in credit risk	0.00	0.00
237	(vi) Disputed Trade Receivables # credit impaired	0.00	0.00
238	Unbilled	0.00	0.00
239	**Total**	**765,678.02**	**40,791,472.93**
240		0.00	0.00
241	**(i) Undisputed Trade receivables # considered good**	**0.00**	**0.00**
242	Less than 6 months	193,794.70	13,401,800.83
243	6 months -1 year	101,920.35	1,334,601.66
244	1-2 years	395,926.97	11,405,270.51
245	2-3 years	0.00	13,643,917.00
246	More than 3 years	74,036.00	1,005,882.93
247	**Sub Total (I)**	**765,678.02**	**40,791,472.93**
248	**(ii) Undisputed Trade Receivables # which have significant increase in credit risk**	**0.00**	**0.00**
249	Less than 6 months	0.00	0.00
250	6 months -1 year	0.00	0.00
251	1-2 years	0.00	0.00
252	2-3 years	0.00	0.00
253	More than 3 years	0.00	0.00

NOTE NO. 14 TO THE FS-CA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
254	**Sub Total (II)**	**0.00**	**0.00**
255	**(iv) Disputed Trade Receivables#considered good**	**0.00**	**0.00**
256	Less than 6 months	0.00	0.00
257	6 months -1 year	0.00	0.00
258	1-2 years	0.00	0.00
259	2-3 years	0.00	0.00
260	More than 3 years	0.00	0.00
261	**Sub Total (IV)**	**0.00**	**0.00**
262	**(v) Disputed Trade Receivables # which have significant increase in credit risk**	**0.00**	**0.00**
263	Less than 6 months	0.00	0.00
264	6 months -1 year	0.00	0.00
265	1-2 years	0.00	0.00
266	2-3 years	0.00	0.00
267	More than 3 years	0.00	0.00
268	**Sub Total (V)**	**0.00**	**0.00**
269	**(vi) Disputed Trade Receivables # credit impaired**	**0.00**	**0.00**
270	Less than 6 months	0.00	0.00
271	6 months -1 year	0.00	0.00
272	1-2 years	0.00	0.00
273	2-3 years	0.00	0.00
274	More than 3 years	0.00	0.00
275	**Sub Total (VI)**	**0.00**	**0.00**
276	Total	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 15 TO THE FS-CA-CASH AND CASH EQUIVALENTS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**CASH & BANK BALANCES**	**0.00**	**0.00**
002	**Cash & Cash Equivalents**	**0.00**	**0.00**
003	Balances with Banks	0.00	202,120.98
004	Cheques & Drafts on hand	12,209.00	0.00
005	Cash on hand	0.00	0.00
006	Others (stamps in hand)	0.00	1,885.00
007	Bank deposits with original maturity upto three months	0.00	0.00
008	Balances with RBI	0.00	0.00
009		0.00	0.00
010	**Total**	**12,209.00**	**204,005.98**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 16 TO THE FS-CA-BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS (Amount in ₹)

	As at	31.03.2022	31.03.2021
001	**Other Bank Balances**	**0.00**	**0.00**
002	Deposits with original maturity of more than three months but not more than twelve months	0.00	0.00
003	Earmarked balances with banks*	0.00	0.00
004	**SubTotal**	**0.00**	**0.00**
005	Interest accrued on deposits	0.00	0.00
006		0.00	0.00
007	**Total**	**0.00**	**0.00**
008		0.00	0.00
009	**Earmarked balances with banks consist of :**	**0.00**	**0.00**
010	Unpaid dividend account balance	0.00	0.00
011	Towards public deposit repayment reserve	0.00	0.00
012	Towards redemption of bonds due for repayment within one year	0.00	0.00
013	Security with Government/other authorities	0.00	0.00
014	Unpaid refund/interest account balance - Tax free bonds/ Bonus Debentures	0.00	0.00
015	Earmarked for RGGVY/DDUGJY/SAUBHAGYA Fund	0.00	0.00
016	Earmarked for Flyash Utilisation Reserve Fund	0.00	0.00
017	Deposits with original maturity upto three months as per court orders	0.00	0.00
018	Payment Security Scheme of MNRE NSM (NTPC)	0.00	0.00
019	Payment Security Scheme of MNRE NSM (NVVN)	0.00	0.00
020	Enforcement Directorate of Solar Plant(NVVN)	0.00	0.00
021	Bank guarantee Fund of MNRE (NVVN)	0.00	0.00
022	Others	0.00	0.00
023	Margin Money	0.00	0.00
024		0.00	0.00
025		0.00	0.00
026	**Sub-total**	**0.00**	**0.00**
030	**Total**	**0.00**	**0.00**
031		0.00	0.00
032	Bank deposits with original maturity of less than three months- other than earmarked	0.00	0.00
033	Bank deposits with original maturity of more than three months but not more than twelve months- other than earmarked	0.00	0.00
034	Earmarked bank balances (current account)	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 17 TO THE FS-CA-LOANS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**Current financial assets - Loans**	**0.00**	**0.00**
002	**Loans (current)-including interest accrued**	**0.00**	**0.00**
004	**Related Parties**	**0.00**	**0.00**
005	Secured	0.00	0.00
006	Un-Secured	0.00	0.00
007	With significant increase in Credit Risk	0.00	0.00
008	Credit impaired	0.00	0.00
009		**0.00**	**0.00**
010	**Employees**	**0.00**	**0.00**
011	Secured	17,604,615.81	19,826,439.47
012	Unsecured	62,455,317.65	67,657,338.58
013	With significant increase in Credit Risk	0.00	0.00
014	Credit impaired	0.00	0.00
015	Less : Employee Loans Discounting	0.00	0.00
016	**Loan to State Government in settlement of dues from customers (Unsecured)**	**0.00**	**0.00**
017		0.00	0.00
018	**Others**	**0.00**	**0.00**
019	Secured	0.00	0.00
020	Unsecured	0.00	0.00
021	With significant increase in Credit Risk	0.00	0.00
022	Credit impaired	0.00	0.00
023		**0.00**	**0.00**
024	Less: Allowance for credit impaired loans	0.00	0.00
025	**Total (Loans)**	**80,059,933.46**	**87,483,778.05**
026		**0.00**	**0.00**
027	**Due from Directors and Officers of the Company**	**0.00**	**0.00**
028	Directors	0.00	0.00
029	Officers	0.00	0.00
030		**0.00**	**0.00**
031	**Loans to related parties include:**	**0.00**	**0.00**
032	i)Key management personel	0.00	0.00
033	ii)Subsidiary companies	0.00	0.00
034	KBUNL	0.00	0.00
035	RGPPL	0.00	0.00
036	NVVN	0.00	0.00
037	iii)Joint Venture companies	0.00	0.00
038	iv)others	0.00	0.00
039		0.00	0.00
059	RPD	0.00	0.00
060	i)Key management personel	0.00	0.00
061	ii)Subsidiary companies	0.00	0.00
062	iii)Joint Venture companies	0.00	0.00
063	iv)Others	0.00	0.00
064		0.00	0.00
065	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**Other Financial Assets (current)**	**0.00**	**0.00**
002		0.00	0.00
003	**ADVANCES**	**0.00**	**0.00**
004		**0.00**	**0.00**
005	**Related Parties**	**0.00**	**0.00**
006	Secured	0.00	0.00
007	Un-Secured	-6,422,744.58	-6,288,885.04
008	Considered doubtful	0.00	0.00
009		**0.00**	**0.00**
010	**Employees**	**0.00**	**0.00**
012	Unsecured	4,175,017.49	2,319,086.93
013	Considered Doubtful	100,553.00	100,553.00
014		**0.00**	**0.00**
020	**Others**	**0.00**	**0.00**
021	Secured	0.00	0.00
022	Unsecured	5,000,000.00	5,000,000.00
023	Considered Doubtful	0.00	0.00
024		**0.00**	**0.00**
025	Less: Allowance for bad & doubtful advances	100,553.00	100,553.00
026		**0.00**	**0.00**
033	**Total (Advances)**	**2,752,272.91**	**1,030,201.89**
044		**0.00**	**0.00**
045	**Claims Recoverable**	**0.00**	**0.00**
046	Secured	0.00	0.00
047	Unsecured, considered good	1,002,694.55	2,316,765.71
048	Considered Doubtful	0.00	0.00
049	Less:- Allowance for doubtful claims	0.00	0.00
050	Others-Claims Recoverable	0.00	0.00
051		**0.00**	**0.00**
052	Contract Asset- Revenue	163,447,496.99	6,946,270.99
053	Hedging cost recoverable from beneficiaries	0.00	0.00
054	Derivative MTM Asset	0.00	0.00
055	Finance Lease Receivable	0.00	0.00
056	Mine Closure Deposit	0.00	0.00
058	**Other Accrued Income**	**0.00**	**0.00**
059	Secured,Considered Good	0.00	0.00
060	Unsecured , considered good	56,150,892.67	62,777,577.81
061	Credit impaired	0.00	0.00
062	**Sub-Total**	**56,150,892.67**	**62,777,577.81**
063	Less: Allowance for credit impaired receivables	0.00	0.00
064	**Total**	**56,150,892.67**	**62,777,577.81**
065		0.00	0.00
066	Others*	0.00	0.00
067	**Total**	**223,353,357.12**	**73,070,816.40**
068	* Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
069	**Advances to related parties include:**	**0.00**	**0.00**
070	i)Key management personel	0.00	0.00
071	ii)Subsidiary companies	0.00	0.00
072	iii)Joint Venture companies	0.00	0.00
073	iv)Contractors	0.00	0.00
074	v)Others	0.00	0.00
075		**0.00**	**0.00**
076	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
077		**0.00**	**0.00**
078	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
079	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
080	Aravali Power Company Private Ltd.	0.00	0.00
081	NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
082	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
083	Meja Urja Nigam Private Limited	0.00	0.00
084	Nabinagar Power Generating Company Ltd.	0.00	0.00
085	National High Power Test Labortory Private Ltd.	0.00	0.00
086	International Coal Ventures Private Ltd.	0.00	0.00
087	CIL NTPC Urja Private Ltd.	0.00	0.00
089	Bangladesh-India Friendship Power Co. Pvt.Ltd	0.00	0.00
090	TCS Clearing	0.00	0.00
091	Related Party (Adv)- Employee	0.00	0.00
092	Related Party (Adv)- Subsidiaries	0.00	0.00
093	Related Party (Adv)- Joint Ventures	0.00	0.00
094	Related Party (Adv)- Contractors	0.00	0.00
095	Related Party (Adv)- Others	-6,422,744.58	-6,288,885.04
096		0.00	0.00
097		0.00	0.00
098		0.00	0.00
099		0.00	0.00
100	**Total**	**-6,422,744.58**	**-6,288,885.04**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**OTHER CURRENT ASSETS**	**0.00**	**0.00**
002	Security Deposits (Unsecured)	0.00	0.00
003	Deposit with Customs, port trust & others*	5,000,655,458.00	5,000,655,458.00
004	**ADVANCES**	**0.00**	**0.00**
005		**0.00**	**0.00**
006	**Related Parties**	**0.00**	**0.00**
007	Secured	0.00	0.00
008	Un-Secured	0.00	0.00
009	Considered doubtful	0.00	0.00
010		**0.00**	**0.00**
011	**Employees(including imprest)**	**0.00**	**0.00**
012	Secured	0.00	0.00
013	Unsecured	36,000.00	78,498.00
014	Considered Doubtful	0.00	0.00
015		**0.00**	**0.00**
016	**Contractors & Suppliers**	**0.00**	**0.00**
017	Secured	0.00	0.00
018	Unsecured	3,860,782,439.23	2,560,927,150.49
019	Considered Doubtful	655,458.00	655,458.00
020		0.00	0.00
021	**Others****	**0.00**	**0.00**
022	Secured	0.00	0.00
023	Unsecured	15,590,470.37	22,590,183.75
024	Considered Doubtful	0.00	0.00
025	Less: Allowance for bad & doubtful advances	655,458.00	655,458.00
026	Receivable from MCP Escrow A/c	0.00	0.00
027	Deferred Payroll Expenses (Secured)	2,756,853.34	3,272,505.04
028	Deferred Payroll Expenses (Unsecured)	3,624,736.95	4,351,256.33
029	**Sub-total**	**6,381,590.29**	**7,623,761.37**
030	**Interest accrued on :**	**0.00**	**0.00**
031	Advances to contractors	0.00	0.00
032		**0.00**	**0.00**
033	**Claims Recoverable**	**0.00**	**0.00**
034	Secured	0.00	0.00
035	Unsecured, considered good	11,507,533,736.94	11,231,867,495.84
036	Considered Doubtful	0.00	0.00
037	Less:- Allowance for doubtful claims	0.00	0.00
038		**0.00**	**0.00**
039	Deferred premium on forward exchange contract/ Option Assets	0.00	0.00
041	Assets Held for Disposal	0.00	0.00
042	Others	5,770,617.39	11,836,846.24
043		0.00	0.00
044	**Total (Other Current Assets)**	**20,396,750,312.22**	**18,835,579,393.69**
045	**Include Prepaid Expenses	15,542,978.37	22,422,440.75
046	*Includes sales tax/Entry tax/VAT deposited under protest with Sales Tax Authorities	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
047	*Includes deposited with courts	0.00	0.00
048	*Includes deposited with LIC for annuity payments	0.00	0.00
049	* Includes deposits with WRD / against BG in r/o finance lease	0.00	0.00
050	Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00
052	**Advances to related parties include:**	**0.00**	**0.00**
053	i)Key management personel	0.00	0.00
054	ii)Subsidiary companies	0.00	0.00
055	iii)Joint Venture companies	0.00	0.00
056	Contractors	0.00	0.00
057	Others	0.00	0.00
058		0.00	0.00
059	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
060		**0.00**	**0.00**
061		0.00	0.00
062	Related Party (Adv)- Employee	0.00	0.00
063	Related Party (Adv)- Subsidiaries	0.00	0.00
064	Related Party (Adv)- Joint Venture	0.00	0.00
065		0.00	0.00
066		0.00	0.00
067	**Total**	**0.00**	**0.00**
068		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 20 TO THE FS--REGULATORY DEFERRAL ACCOUNT DEBIT BALANCES **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	On account of Exchange Differences	-36,973,816.03	-9,630,635.15
002	On account of employee benefit exp	539,717,370.00	539,717,370.00
003	Regulatory deferred account - deferred	0.00	0.00
004	Deferred asset for ash transportation	7,047,258,809.33	4,218,387,221.79
005	Deferred asset for Arbitration Award	0.00	0.00
007	**Total**	**7,550,002,363.30**	**4,748,473,956.64**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 21 TO THE FS-EQUITY-EQUITY SHARE CAPITAL **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**SHARE CAPITAL**	**0.00**	**0.00**
002	**Equity Share Capital**	**0.00**	**0.00**
003	**Authorised**	**0.00**	**0.00**
004	10,000,000,000 equity shares of Rs.10/- each (Previous year 10,000,000,000 eq shares of Rs.10/- each)	0.00	0.00
005	**Issued,Subscribed and fully Paid-up**	**0.00**	**0.00**
006	9,69,66,66,134 equity shares of Rs.10/- (Pv. Year 9,894,557,280 equity shares of Rs.10/- each)	0.00	0.00
007		**0.00**	**0.00**
008	**Total**	**0.00**	**0.00**
009	During FY 2018-19, the company has issued 1,649,092,880 equity shares of Rs.10/- each as fully paid bonus shares	0.00	0.00
010	The holders of the equity shares are entitled to receive dividends as declared from time to time, and are entitled to one vote per share at meetings of the company.	0.00	0.00
011	Details of shareholders holding more than 5% shares in the company	0.00	0.00
012	- President of India	0.00	0.00
013	No. of Shares	0.00	0.00
014	% of holding	0.00	0.00
015	- Life Insurance Corporation of India/ICICI Prudential Mutual Fund	0.00	0.00
016	No. of Shares	0.00	0.00
017	% of holding	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	RESERVE AND SURPLUS	0.00	0.00
002		**0.00**	**0.00**
003	**Capital Reserve**	**0.00**	**0.00**
004	As per last financial statements	0.00	0.00
006	Add : Grants received during the year	0.00	0.00
007	Add: Transfer from Surplus	0.00	0.00
008	Less: Write back during the year/period	0.00	0.00
009	Less: Adjustments during the year/period	0.00	0.00
010	**SUB-TOTAL**	**0.00**	**0.00**
011		0.00	0.00
017		0.00	0.00
018	**SECURITIES PREMIUM ACCOUNT**	**0.00**	**0.00**
019	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
020	ADD: ADDITIONS DURING THE YEAR/PERIOD	0.00	0.00
021	LESS: ADJUSTMENTS DURING THE YEAR/PERIOD	0.00	0.00
022	**SUB-TOTAL**	**0.00**	**0.00**
023	**BONDS REDEMPTION RESERVE**	**0.00**	**0.00**
024	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
025	ADD: TRANSFER FROM SURPLUS	0.00	0.00
026	LESS: TRANSFER TO SURPLUS ON REDEMPTION	0.00	0.00
027	LESS: ADJUSTMENTS DURING THE YEAR/ PERIOD	0.00	0.00
028	**SUB-TOTAL**	**0.00**	**0.00**
029	**CAPITAL REDEMPTION RESERVE**	**0.00**	**0.00**
030	As per last financial statements	0.00	0.00
031	Add: Transfer from Surplus	0.00	0.00
032	Less: Transfer to surplus on redemption	0.00	0.00
033	Less: Adjustments during the year/ period	0.00	0.00
034	**Sub-Total**	**0.00**	**0.00**
035	**Share Application money pending Allotment**	**0.00**	**0.00**
036	As per last financial statements	0.00	0.00
037	Add: Addition during the year	0.00	0.00
038	Less: Utlised for allotment during the year	0.00	0.00
039	Less: Adjustments during the year/ period	0.00	0.00
040	**SUB-TOTAL**	**0.00**	**0.00**
046	**FLY-ASH UTILISATION RESERVE FUND**	**0.00**	**0.00**
047	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
048	TRANSFERRED TO CC	0.00	0.00
049	ADD:TRANSFER FROM REVENUE FROM OPERATIONS	129,610,828.24	143,412,254.32
050	ADD:TRANSFER FROM OTHER INCOME	0.00	0.00
051	LESS: UTILISED DURING THE YEAR	0.00	0.00
052	TANGIBLE ASSETS	0.00	0.00
053	EMPLOYEE BENEFIT EXPENSES	0.00	0.00
054	GENERATION,ADMN. AND OTHER EXPENSES	129,610,828.24	143,412,254.32

	As at	31.03.2022	31.03.2021
055	TAX EXPENSES	0.00	0.00
056	**SUB-TOTAL**	**0.00**	**0.00**
057	Self Insurance Reserve	0.00	0.00
058	As per last financial statements	0.00	0.00
059	Add: Addition during the year	0.00	0.00
060	Less: Utlised for allotment during the year	0.00	0.00
061	Less: Adjustments during the year/ period	0.00	0.00
062	SUB-TOTAL	0.00	0.00
063	**SPECIAL ALLOWANCE RESERVE FUND**	**0.00**	**0.00**
064	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
065	ADD: ADDITION DURING THE YEAR	0.00	0.00
066	LESS: UTLISED FOR ALLOTMENT DURING THE YEAR	0.00	0.00
067	LESS: ADJUSTMENTS DURING THE YEAR/ PERIOD	0.00	0.00
068	**SUB-TOTAL**	**0.00**	**0.00**
069	**CORPORATE SOCIAL RESPONSIBILITY (CSR) RESERVE**	**0.00**	**0.00**
070	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
071	ADD : TRANSFER FROM SURPLUS	0.00	0.00
072	LESS:-WRITE BACK DURING THE YEAR	0.00	0.00
073	**SUB-TOTAL**	**0.00**	**0.00**
074	**GENERAL RESERVE**	**0.00**	**0.00**
075	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
076	ADD: TRANSFER FROM SURPLUS	0.00	0.00
077	LESS: TRANSFER TO SURPLUS	0.00	0.00
078	LESS: WRITE BACK DURING THE YEAR /PERIOD	0.00	0.00
079	LESS: ADJUSTMENTS DURING THE YEAR /PERIOD	0.00	0.00
080	**SUB-TOTAL**	**0.00**	**0.00**
081		**0.00**	**0.00**
082	**RETAINED EARNINGS**	**0.00**	**0.00**
083	AS PER LAST FINANCIAL STATEMENTS	83,427,871,711.36	80,127,438,361.97
084	ADD(LESS):-CHANGES IN ACCOUNTING POLICY / PRIOR PERIOD ERRORS	0.00	0.00
085	ADD(LESS):-PROFIT (LOSS) AFTER TAX FOR THE YEAR FROM STATEMENT OF PROFIT & LOSS	2,693,979,551.03	3,300,433,349.39
087	ADD: WRITE BACK FROM BOND REDEMPTION RESERVE	0.00	0.00
088	ADD: WRITE BACK FROM CAPITAL RESERVE	0.00	0.00
089	ADD: WRITE BACK FROM FOREIGN PROJECT RESERVE	0.00	0.00
090	ADD: WRITE BACK FROM CSR RESERVE	0.00	0.00
091	ADD: WRITE BACK FROM GENERAL RESERVE	0.00	0.00
093	LESS: TRANSFER TO BONDS REDEMPTION RESERVE	0.00	0.00

	As at	31.03.2022	31.03.2021
094	LESS: TRANSFER TO SPECIAL ALLOWANCE RESERVE FUND	0.00	0.00
095	LESS: TRANSFER TO FOREIGN PROJECT RESERVE	0.00	0.00
096	LESS:TRANSFER TO CAPITAL RESERVE	0.00	0.00
097	LESS:TRANSFER TO CSR RESERVE	0.00	0.00
098	LESS:TRANSFER TO GENERAL RESERVE	0.00	0.00
099	LESS:INTERIM DIVIDEND PAID	0.00	0.00
100	LESS:TAX ON INTERIM DIVIDEND PAID	0.00	0.00
101	LESS:FINAL DIVIDEND PAID	0.00	0.00
102	LESS:TAX ON FINAL DIVIDEND PAID	0.00	0.00
103	LESS: ISSUE OF BONUS DEBENTURE	0.00	0.00
104	LESS: TAX ON ISSUE OF BONUS DEBENTURE	0.00	0.00
105	**SUB-TOTAL**	**86,121,851,262.39**	**83,427,871,711.36**
110		0.00	0.00
111	**REMEASUREMENT OF DEFINED BENEFIT PLANS**	**0.00**	**0.00**
112	AS PER LAST FINANCIAL STATEMENTS	-278,442,069.76	-232,137,132.34
113	ADD/(LESS):- ACTUARIAL GAINS/LOSS THROUGH OCI	-15,513,613.06	-46,304,937.42
114	**SUB-TOTAL**	**-293,955,682.82**	**-278,442,069.76**
115		0.00	0.00
116	**FVTOCI Reserve**	**0.00**	**0.00**
117	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
118	ADD(LESS):-NET GAIN/LOSS OF EQUITY INSTRUMENTS THROUGH OCI	0.00	0.00
119	**Sub-Total**	**0.00**	**0.00**
120		**0.00**	**0.00**
121	**Total Other equity**	**85,827,895,579.57**	**83,149,429,641.60**
122		0.00	0.00
123		0.00	0.00
124		0.00	0.00
125		0.00	0.00
126		0.00	0.00
127		0.00	0.00
128		0.00	0.00

(Amount in ₹)

As at	31.03.2022	31.03.2021

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 23 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**LONG TERM BORROWINGS**	**0.00**	**0.00**
002	**Bonds**	**0.00**	**0.00**
003	**Secured**	**0.00**	**0.00**
004	7.37 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3A).	0.00	0.00
005	7.62 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3 B).	0.00	0.00
006	8.61% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2034 (Fifty First Issue C - Private Placement)	0.00	0.00
007	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3A)	0.00	0.00
008	8.91% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3B)	0.00	0.00
009	7.37% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 14th December 2031 (Sixty Sixth Issue - Private Placement)	0.00	0.00
010	7.49% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 7th November 2031 (Sixty Fourth Issue - Private Placement)	0.00	0.00
011	7.28 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series	0.00	0.00

	As at	31.03.2022	31.03.2021
	2A)		
012	7.53 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series 2 B).	0.00	0.00
013	7.32% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 17 July 2029 (Sixty Ninth Issue - Private Placement)	0.00	0.00
014	8.63% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2029 (Fifty First Issue B - Private Placement)	0.00	0.00
015	8.30% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 15 January 2029 (Sixty Seventh Issue - Private Placement)	0.00	0.00
016	8.48% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2A)	0.00	0.00
017	8.73% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2B)	0.00	0.00
018	7.47% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 16th September 2026 (Sixty Third Issue - Private Placement)	0.00	0.00
019	7.58% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in	0.00	0.00

	As at	31.03.2022	31.03.2021
	full on 23rd August 2026 (Sixty Second Issue - Private Placement)		
020	8.05% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 5th May 2026 (Sixtieth Issue - Private Placement)	0.00	0.00
021	8.19% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 15th December 2025 (Fifty Seventh Issue - Private Placement)	0.00	0.00
022	7.11 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1A).	0.00	0.00
023	7.36 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1 B).	0.00	0.00
024	7.15% Tax free secured non-cumulative non-convertible redeemable bonds - 2015 of Rs. 10,00,000/- each redeemable at par in full on 21st August 2025 (Fifty Fifth Issue - Private Placement)	0.00	0.00
025	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 22nd September 2024 (53rd Issue - private placement).	0.00	0.00
026	9.34% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 24th March 2024 (Fifty Second Issue - private placement)	0.00	0.00
027	8.19% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 10,00,000/- each redeemable at	0.00	0.00

	As at	31.03.2022	31.03.2021
	par in full on 4th March 2024 (Fifty First Issue A - Private Placement)		
028	8.41% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (Fiftieth Issue - Public Issue - Series 1A)	0.00	0.00
029	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (Fiftieth Issue - Public Issue - Series 1B)	0.00	0.00
030	9.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 4th May 2023 and ending on 4th May 2027 (Forty fourth issue - private placement)VII	0.00	0.00
031	8.48% Secured non-cumulative non-nonvertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 1st May 2023 (Seventeenth issue - private placement)I	0.00	0.00
032	8.80% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th April 2023 (Forty ninth issue -private placement	0.00	0.00
033	8.49% Secured non-cumulative non-convertible redeemable taxable fully paid-up bonus debentures of Rs. 12.50 each redeemable at par in three annual installments of Rs. 2.50, Rs. 5.00 and Rs. 5.00 at the end of 8th year, 9th year and 10th year on 25th March 2023, 25th March 2024 and 25th March 2025 respectively (Fifty Fourth Issue -Bonus Debentures)X - (refer Note 5 d)	0.00	0.00
034	8.73% Secured non-cumulative	0.00	0.00

	As at	31.03.2022	31.03.2021
	non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 07th March 2023 (Forty eighth issue - private placement)		
035	9.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 25th January 2023 and ending on 25th January 2027 (Forty second issue- private placement)III	0.00	0.00
036	8.84% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th October 2022 (Forty seventh issue- private placement)VII	0.00	0.00
037	7.93% Secured non-cumulative non-convertible redeemable taxable bonds of ` 10,00,000/- each redeemable at par in full on 03 May 2022 (68th Issue - Private Placement)	0.00	0.00
038	6.72% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 24th November 2021 (Sixty Fifth Issue - Private Placement)	0.00	0.00
039	8.10% Secured Non-Cumulative Non-Convertible Redeemable Taxable Bonds of Rs. 30,00,000/- each redeemable at par in three equal separately transferable redeemable principal parts (STRPP) at the end of 5th year, 10th year & 15th year on 27th May 2021, 27th May 2026 and 27th May 2031 respectively (Sixty First Issue- Private Placement)	0.00	0.00
040	8.33% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 24th February 2021	0.00	0.00

	As at	31.03.2022	31.03.2021
	(Fifty Ninth Issue - Private Placement).		
042	8.93% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 19th January 2021 Thirty seventh issue - private placement)III	0.00	0.00
043	8.18% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 31st December 2020 (Fifty Eight Issue - Private Placement).	0.00	0.00
044	8.73 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 31st March 2020 (Thirty third issue- private placement)III	0.00	0.00
045	8.78 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 9th March 2020 (Thirty first issue- private placement)III	0.00	0.00
046	11.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in five equal annual installments commencing from 6th Nov 2019 and ending on 6th Nov 2023 (Twenty seventh issue - private placement)III	0.00	0.00
047	7.89% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 5th May 2019 (Thirtieth issue - private placement)III	0.00	0.00
048	8.65% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th February 2019 (Twenty ninth issue - private placement)III	0.00	0.00
049	7.50% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full	0.00	0.00

	As at	31.03.2022	31.03.2021
	on 12th January 2019 (Nineteenth issue - private placement)II		
050	11% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 21st November 2018 (Twenty eighth issue - private placement)III	0.00	0.00
051	9.3473% Secured non-cumulative non-convertible redeemable taxable bonds of ₹15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 20th July 2018 and ending on 20th July 2032 (Forty sixth issue - private placement)VII	0.00	0.00
052	9.4376% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 16th May 2018 and ending on 16th May 2032 (Forty fifth issue - private placement)VII	0.00	0.00
053	8.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 10th April 2018 (Sixteenth issue -private placement)I	0.00	0.00
054	9.2573% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 2nd March 2018 and ending on 2nd March 2032 (Forty third issue - private placement)III	0.00	0.00
055	9.6713% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

	As at	31.03.2022	31.03.2021
	of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 23rd December 2017 and ending on 23rd December 2031 (Forty first issue - private placement)III		
056	9.558% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 29th July 2017 and ending on 29th July 2031(Fourtieth issue-private placement)III	0.00	0.00
057	9.3896% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 9th June 2017 and ending on 9th June 2031(Thirty ninth issue-private placement)III	0.00	0.00
058	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 22nd March 2017 and ending on 22nd March 2031(Thirty eighth issue-private placement)III	0.00	0.00
059	8.8086% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th	0.00	0.00

	As at	31.03.2022	31.03.2021
	year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th December 2016 and ending on 15th December 2030 (Thirty sixth issue - private placement)III		
060	8.785% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th September 2016 and ending on 15th September 2030 (Thirty fifth issue - private placement)III	0.00	0.00
061	8.71% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 10th June 2016 and ending on 10th June 2030 (Thirty fourth issue - private placement)III	0.00	0.00
062	8.8493% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 25th March 2016 and ending on 25th March 2030 (Thirty second issue - private placement)III	0.00	0.00
063	9.37% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty fifth issue -	0.00	0.00

	As at	31.03.2022	31.03.2021
	private placement)III		
065	9.06% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty sixth issue - private placement)III	0.00	0.00
066	8.6077% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 9th September 2011 and ending on 9th March 2021 (Twenty fourth issue - private placement)IV	0.00	0.00
067	8.3796% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 5th August 2011 and ending on 5th February 2021 (Twenty third issue - private placement)IV	0.00	0.00
068	8.1771% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd July 2011 and ending on 2nd January 2021 (Twenty second issue - private placement)IV	0.00	0.00
069	7.7125% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd August 2010 and ending on 2nd February 2020 (Twenty first issue - private placement)V	0.00	0.00
070	7.552% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

	As at	31.03.2022	31.03.2021
	of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 23rd September 2009 and ending on 23rd March 2019 (Twentieth issue - private placement)VI		
071	9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each with ten equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of the 6th year and in annual installments thereafter upto the end of 15th year respectively from 30th April 2002 (Thirteenth issue - Part B - private placement)VIII	0.00	0.00
072	9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each redeemable at par in ten equal annual installments commencing from the end of 6th year and upto the end of 15th year respectively from 18th April 2002 (Thirteenth issue -Part A - private placement)VIII	0.00	0.00
075		0.00	0.00
076		0.00	0.00
077	**Sub Total**	**0.00**	**0.00**
078	**Unsecured**	**0.00**	**0.00**
079	6.55% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 17 April 2023 (Seventieth Issue - Private Placement)	0.00	0.00
080	6.29% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 11 April 2031 (Seventy First Issue - Private Placement)	0.00	0.00
081	5.45% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 15 October 2025 (Seventy Second Issue - Private Placement)	0.00	0.00
082	6.43% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in	0.00	0.00

	As at	31.03.2022	31.03.2021
	full on 27 January 2031 (Seventy Third Issue - Private Placement)		
083	6.87% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 21 April 2036 (Seventy Fourth Issue - Private Placement)	0.00	0.00
084	6.69% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 13 September 2031 (Seventy Fifth Issue - Private Placement)	0.00	0.00
085	6.74% Unsecured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 14 April 2032 (Seventy Sixth Issue - Private Placement)	0.00	0.00
086		0.00	0.00
087		0.00	0.00
088		0.00	0.00
089	**Sub-total**	**0.00**	**0.00**
090	**Total**	**0.00**	**0.00**
091	**Foreign Currency Notes-Unsecured**	**0.00**	**0.00**
092	4.50% Fixed Rate Notes Due for repayment on 19th March 2028	0.00	0.00
093	2.75% Fixed rate notes due for repayment on 1st February 2027	0.00	0.00
094	4.25 % Fixed rate notes due for repayment on 26th February 2026	0.00	0.00
095	4.375% Fixed Rate Note due for repayment on 26th November 2024	0.00	0.00
096	4.75 % Fixed Rate Notes due for repayment on 3rd Oct 2022	0.00	0.00
097	7.25 % Fixed green global INR denominated bonds due on 3 May 2022	0.00	0.00
098	7.375 % Fixed green global INR denominated bonds due on 10 August 2021	0.00	0.00
099	5.625% Fixed Rate Notes due for repayment on 14th July 2021	0.00	0.00
100	3.75 % Fixed rate notes due for repayment on 03 April 2024	0.00	0.00
101		0.00	0.00
102		0.00	0.00
103		0.00	0.00
104	**Sub Total**	**0.00**	**0.00**
105	**Term Loans**	**0.00**	**0.00**
106	**From Banks**	**0.00**	**0.00**
107	**Secured**	**0.00**	**0.00**
108	Rupee Loans	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 23 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
109	**Unsecured**	**0.00**	**0.00**
110	Foreign Currency Loans	0.00	0.00
111	Rupee Loans	0.00	0.00
112	**From Others**	**0.00**	**0.00**
113	**Secured**	**0.00**	**0.00**
114	Rupee Loans	0.00	0.00
115	Foreign Currency loans (guaranteed by GOI)	0.00	0.00
116	**Unsecured**	**0.00**	**0.00**
117	Foreign Currency loans (guaranteed by GOI)	0.00	0.00
118	Other Foreign currency loans	0.00	0.00
120	Rupee Loans	0.00	0.00
121	**Deposits**	**0.00**	**0.00**
122	**Unsecured**	**0.00**	**0.00**
123	Fixed Deposits	0.00	0.00
124	**Others**	**0.00**	**0.00**
125	**Unsecured**	**0.00**	**0.00**
126	Bonds Application Money Pending Allotment	0.00	0.00
127	**Sub-total**	**0.00**	**0.00**
128	**Total**	**0.00**	**0.00**
129	Less:- Interst accrued but not due on secured borrowings	0.00	0.00
130	Less:- Interst accrued but not due on unsecured borrowings	0.00	0.00
131	Less:- Current maturities of long term borrowings	0.00	0.00
132	Bonds-Secured	0.00	0.00
133	Fixed Rate Notes	0.00	0.00
135	Foreign currency loans from Banks- unsecured	0.00	0.00
136	Rupee loans from banks- Secured	0.00	0.00
137	Rupee loans from banks- unsecured	0.00	0.00
138	Rupee Term loan from Others - Secured	0.00	0.00
139	Foreign currency loans from others- unsecured (Guaranteed by GOI)	0.00	0.00
140	Other foreign currency loans from others- unsecured	0.00	0.00
141	Rupee loans from others- unsecured	0.00	0.00
142		0.00	0.00
143		0.00	0.00
144		0.00	0.00
145		0.00	0.00
146		0.00	0.00
147		0.00	0.00
148		0.00	0.00
149		0.00	0.00
150		0.00	0.00
151		0.00	0.00
200	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 23A TO THE FS-NCL-LEASE BORROWINGS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**Non-current financial liabilities - Lease liabilities**	**0.00**	**0.00**
002	**Lease liabilities**	**0.00**	**0.00**
003	Long term maturities of Finance Lease Liabilities (Secured) IX	0.00	0.00
004	Long term maturities of Finance Lease Liabilites (Unsecured) X	790,809,138.47	792,731,671.00
005	**Sub-Total**	**790,809,138.47**	**792,731,671.00**
006	**Less: current maturities of lease liabilities**	**0.00**	**0.00**
007	Finance Lease obligations - secured	0.00	0.00
008	Finance Lease obligations - unsecured	773,527,186.36	741,999,532.17
009	**Sub-Total**	**773,527,186.36**	**741,999,532.17**
010	**Total**	**17,281,952.11**	**50,732,138.83**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 24 TO THE FS-NCL-TRADE PAYABLES **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**TRADE PAYABLES(NON CURRENT)**	**0.00**	**0.00**
002	**For Goods and Services**	**0.00**	**0.00**
003	- Micro & Small Enterprises	197,098.06	676,934.43
004	- Others	2,257,111.55	1,325,479.83
005		0.00	0.00
006	**Total**	**2,454,209.61**	**2,002,414.26**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 25 TO THE FS-NCL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**OTHER FINANCIAL LIABILITIES (NON-CURRENT)**	**0.00**	**0.00**
002	Payable for Capital Expenditure	0.00	0.00
003	- Micro & Small Enterprises	0.00	1,281,208.40
004	- Others	53,107,639.17	1,401,151.36
005	Others	0.00	0.00
006	Deposits from contractors and others	0.00	0.00
007		0.00	0.00
008		0.00	0.00
009	**Total**	**53,107,639.17**	**2,682,359.76**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 26 TO THE FS-NCL-PROVISIONS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**LONG TERM PROVISIONS**	**0.00**	**0.00**
002	**Provision for Employee Benefits**	**0.00**	**0.00**
003	Opening Balance	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	0.00
005	**Closing Balance**	**0.00**	**0.00**
006		0.00	0.00
007	**Others**	**0.00**	**0.00**
008	**i) Mine Closure Provision**	**0.00**	**0.00**
009	Opening Balance	0.00	0.00
010	Additions during the year	0.00	0.00
011	Amounts adjusted during the year	0.00	0.00
012	Amounts reversed during the year	0.00	0.00
013	**Closing Balance**	**0.00**	**0.00**
014		0.00	0.00
015	**ii) Stripping Activity Adjustments**	**0.00**	**0.00**
016	Opening Balance	0.00	0.00
017	Additions during the year	0.00	0.00
018	Amounts adjusted during the year	0.00	0.00
019	Amounts reversed during the year	0.00	0.00
020	**Closing Balance**	**0.00**	**0.00**
021		0.00	0.00
024		0.00	0.00
025	**TOTAL**	**0.00**	**0.00**

NOTE NO. 27 TO THE FS-NCL-DEFERRED TAX LIABILITIES (NET) **(Amount in ₹)**

	As at	Open Balance on 01.04.2021	Addition	Closing Balance on 31.03.2022
001	**DEFERRED TAX LIABILITIES (NET)**			
002	Difference of book depreciation and tax depreciation	0.00	0.00	0.00
003	Less: Deferred tax assets			
004	Provisions & Other disallowances for tax purposes	0.00	0.00	0.00
005	Unabsorbed Depreciation	0.00	0.00	0.00
006	Disallowances u/s 43B of the Income Tax Act, 1961	0.00	0.00	0.00
007	Others	0.00	0.00	0.00
008	Opening Balance	0.00	0.00	0.00
009	Additions during the year	0.00	0.00	0.00
010	Amounts adjusted during the year	0.00	0.00	0.00
011	Amounts reversed during the year	0.00	0.00	0.00
012	Closing Balance	0.00	0.00	0.00
013	MAT credit entitlement	0.00	0.00	0.00
014	**Total**	**0.00**	**0.00**	**0.00**
015	**Total**	**0.00**	**0.00**	**0.00**
016	Breakup of deferred tax assets	0.00	0.00	0.00
017	Provision	0.00	0.00	0.00
018	Statutory dues	0.00	0.00	0.00
019	Leave encashment	0.00	0.00	0.00
020	Others	0.00	0.00	0.00
021		0.00	0.00	0.00
022		0.00	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 28 TO THE FS-NCL-OTHER NON-CURRENT LIABILITIES **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	Other Non current Liabilities	0.00	0.00
002	Advances from customers and others	0.00	0.00
003	Deposits from contractors and others	0.00	0.00
004	Grants	0.00	0.00
005	**TOTAL**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 29 TO THE FS-CL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**Short Term Borrowings**	**0.00**	**0.00**
002	**Loans repayable on demand**	**0.00**	**0.00**
003	**From Banks**	**0.00**	**0.00**
004	**Secured**	**0.00**	**0.00**
005	Cash Credit	0.00	0.00
006	**Unsecured**	**0.00**	**0.00**
007	Cash Credit	0.00	0.00
008	**Other loans-unsecured**	**0.00**	**0.00**
009	Commercial Papers	0.00	0.00
010	Less: Unamortised discount on Commercial Papers	0.00	0.00
011	**Sub-Total**	**0.00**	**0.00**
012	**Current maturity of long term borrowings**	**0.00**	**0.00**
013	Bonds-Secured	0.00	0.00
014	Foreign Currency Fixed Rate Notes	0.00	0.00
015	**From Banks**	**0.00**	**0.00**
016	**Secured**	**0.00**	**0.00**
017	Rupee Term Loan	0.00	0.00
018	Foreign currency loans	0.00	0.00
019	**Unsecured**	**0.00**	**0.00**
020	Foreign currency loans	0.00	0.00
021	Rupee term loans	0.00	0.00
022	**From Others**	**0.00**	**0.00**
023	**Secured**	**0.00**	**0.00**
024	Rupee Term Loan	0.00	0.00
025	**Unsecured**	**0.00**	**0.00**
026	Foreign currency loans (Guaranteed by Government of India)	0.00	0.00
027	Other foreign currency loans	0.00	0.00
028	Rupee term loans	0.00	0.00
029	Fixed deposits	0.00	0.00
031	Sub Total	0.00	0.00
032	**TOTAL**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 29A TO THE FS-CL-LEASE BORROWINGS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**Current financial liabilities - Lease liabilities**	**0.00**	**0.00**
002	Current maturity of finance lease obligations (secured)	0.00	0.00
003	Current maturity of finance lease obligations (unsecured)	773,527,186.36	741,999,532.17
004	**Total**	**773,527,186.36**	**741,999,532.17**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 30 TO THE FS-CL-TRADE PAYABLES **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**TRADE PAYABLES**	**0.00**	**0.00**
002	For Goods and Services	0.00	0.00
003	- Micro & Small Enterprises	522,265,498.18	304,161,911.60
004	- Others	8,832,200,925.56	7,911,675,078.55
005		0.00	0.00
006	**Total**	**9,354,466,423.74**	**8,215,836,990.15**
007		0.00	0.00
172	**Trade payable**	**0.00**	**0.00**
173	**MSME**	**0.00**	**0.00**
174	Unbilled	311,919,837.56	89,394,392.85
175	Not due	210,345,660.62	214,767,518.75
176	**Due**	**0.00**	**0.00**
177	Disputed	0.00	0.00
178	Undisputed	0.00	0.00
179		0.00	0.00
180	**Sub-total (A)**	**522,265,498.18**	**304,161,911.60**
181		0.00	0.00
182	**Others**	**0.00**	**0.00**
183	Unbilled	2,626,589,335.08	944,823,440.01
184	Not due	779,095,364.81	18,186,637.00
185	**Due**	**5,426,516,226.00**	**6,948,665,001.54**
186	Disputed	0.00	0.00
187	Undisputed	5,426,516,226.00	6,948,665,001.54
188		0.00	0.00
189	**Sub-total (B)**	**8,832,200,925.89**	**7,911,675,078.55**
190		0.00	0.00
191	**Total**	**9,354,466,424.07**	**8,215,836,990.15**
192		0.00	0.00
193	**Ageing**	**0.00**	**0.00**
194	**MSME**	**0.00**	**0.00**
195	**Disputed**	**0.00**	**0.00**
196	Less than 1 year	0.00	0.00
197	1-2 years	0.00	0.00
198	2-3 years	0.00	0.00
199	More than 3 years	0.00	0.00
200	**Sub Total (I)**	**0.00**	**0.00**
201		0.00	0.00
202	**Undisputed**	**0.00**	**0.00**
203	Less than 1 year	0.00	0.00
204	1-2 years	0.00	0.00
205	2-3 years	0.00	0.00
206	More than 3 years	0.00	0.00
207	**Sub Total (II)**	**0.00**	**0.00**
208		0.00	0.00
209	**Total MSME (III)**	**0.00**	**0.00**
210		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 30 TO THE FS-CL-TRADE PAYABLES **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
211	**Others**	**0.00**	**0.00**
212	**Disputed**	**0.00**	**0.00**
213	Less than 1 year	0.00	0.00
214	1-2 years	0.00	0.00
215	2-3 years	0.00	0.00
216	More than 3 years	0.00	0.00
217	**Sub Total (IV)**	**0.00**	**0.00**
218		0.00	0.00
219	**Undisputed**	**0.00**	**0.00**
220	Less than 1 year	945,696,871.50	2,695,927,008.75
221	1-2 years	624,324,452.30	1,501,831,415.71
222	2-3 years	1,350,862,575.00	1,144,053,748.79
223	More than 3 years	2,505,632,327.00	1,606,852,828.29
224	**Sub Total (V)**	**5,426,516,225.80**	**6,948,665,001.54**
225		0.00	0.00
226	**Total Others (VI)**	**5,426,516,225.80**	**6,948,665,001.54**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**OTHER FINANCIAL LIABILITIES (CURRENT)**	**0.00**	**0.00**
020		0.00	0.00
021	Interest accrued but not due on secured borrowings	0.00	0.00
022	Interest accrued but not due on unsecured borrowings	0.00	0.00
023	Unpaid Dividends*	0.00	0.00
024	Unpaid matured deposits and interest accrued thereon*	0.00	0.00
025	Unpaid matured bonds and interest accrued thereon*	0.00	0.00
026	Unpaid bond refund money-Tax free bonds *	0.00	0.00
027	Book Overdraft	0.00	0.00
028	Payable to Customers	0.00	0.00
029	Liability under forward exchange contact	0.00	0.00
030	Hedging cost payable to beneficiaries	0.00	0.00
031	Derivative MTM Liability	0.00	0.00
032	**Payable for Capital Expenditure**	**0.00**	**0.00**
033	- Micro & Small Enterprises	97,303,966.78	110,649,837.97
034	- Others	1,039,254,426.36	1,174,596,898.89
035	**Others Payables**	**0.00**	**0.00**
036	Deposits from contractors and others	61,982,427.65	68,783,017.94
037	Gratuity Obligations	0.00	0.00
038	Payable to employees	35,159,843.00	33,432,583.35
039	Payable to holding company	0.00	0.00
040	Retention on A/c BG encashment (Solar)	0.00	0.00
041	Payable to Solar Payment Security Account	0.00	0.00
042	Others **	21,729,896.00	20,596,018.30
043	Unspent CSR balance on ongoing Approved CSR projects	0.00	0.00
044	**Total**	**1,255,430,559.79**	**1,408,058,356.45**
045	* Represents the amounts which have not been claimed by the investor/holders of the bonds/fixed deposits. Out of the above, no amount is due for payment to Investor Education and Protection Fund.	0.00	0.00
046	** Include Payable to Hospital and other payable.	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 32 TO THE FS-CL-OTHER CURRENT LIABILITIES **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**OTHER CURRENT LIABILITIES**	**0.00**	**0.00**
002	Advances from customers and others	91,437,030.17	183,015,763.48
003	Deferred discount on forward exchange contact	0.00	0.00
004	Tax deducted at source and other statutory dues	220,081,209.55	136,740,656.92
005	Deposits from contractors and others	0.00	0.00
006	Government grants	0.00	0.00
007	Others	0.00	0.00
008	**Total**	**311,518,239.72**	**319,756,420.40**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 33 TO THE FS-CL-PROVISIONS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**SHORT TERM PROVISIONS**	**0.00**	**0.00**
002	**Provision for Employee Benefits**	**0.00**	**0.00**
003	Opening balance	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	0.00
005	**Closing Balance**	**0.00**	**0.00**
028	**Provisions for Obligations Incidental to Land Acquisition**	**0.00**	**0.00**
029	Opening balance	0.00	0.00
030	Additions during the year	0.00	0.00
031	Amounts paid during the year	0.00	0.00
032	Amounts reversed during the year	0.00	0.00
033	**Closing Balance**	**0.00**	**0.00**
035	**Provision for Tariff Adjustment**	**0.00**	**0.00**
036	Opening balance	0.00	0.00
037	Additions during the year	0.00	0.00
038	Amounts adjusted during the year	0.00	0.00
039	Amounts reversed during the year	0.00	0.00
040	**Closing Balance**	**0.00**	**0.00**
042	**Provision for shortage in Fixed Assets Pending Investigation & Others**	**0.00**	**0.00**
043	Opening balance	3,130,973.83	0.00
044	Additions during the year	-3,130,973.83	3,130,973.83
045	Amounts adjusted during the year	0.00	0.00
046	Amounts reversed during the year	0.00	0.00
047	**Closing Balance**	**0.00**	**3,130,973.83**
048	**Provision for Arbitration**	**0.00**	**0.00**
049	Opening balance	382,087,804.19	392,056,642.13
050	Additions during the year	1,658,231.06	-9,968,837.94
051	Amounts used during the year	0.00	0.00
052	Amounts reversed during the year	0.00	0.00
053	**Closing Balance**	**383,746,035.25**	**382,087,804.19**
054	**Others**	**0.00**	**0.00**
055	Opening balance	0.00	0.00
056	Additions during the year	0.00	0.00
057	Amounts used during the year	0.00	0.00
058	Amounts reversed during the year	0.00	0.00
059	**Closing Balance**	**0.00**	**0.00**
102		0.00	0.00
103	**Total**	**383,746,035.25**	**385,218,778.02**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 34 TO THE FS-CL-CURRENT TAX LIABILITIES (NET) **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**Current liabilities - current tax liabilities (net)**	**0.00**	**0.00**
002	Opening balance	0.00	0.00
003	Additions during the year	0.00	0.00
004	Amounts adjusted during the year	0.00	0.00
005	Less: Set off against taxes paid	0.00	0.00
006	**Closing Balance**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 35 TO THE FS--DEFERRED REVENUE **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**Deferred Revenue**	**0.00**	**0.00**
002	On account of advance against depreciation	0.00	0.00
003	On account of income from foreign currency fluctuation	-8,123,000.00	-8,123,000.00
004	Government grants	0.00	0.00
006	**TOTAL**	**-8,123,000.00**	**-8,123,000.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 36 TO THE FS--REGULATORY DEFERRAL ACCOUNT CREDIT BALANCES **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	Regulatory deferral account credit balances	0.00	0.00
002	Exchange Differences	0.00	0.00
003		0.00	0.00
004	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 37 TO THE FS--REVENUE FROM OPERATIONS **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
001	**REVENUE FROM OPERATIONS**	**0.00**	**0.00**
002	**Sales**	**0.00**	**0.00**
003	Energy Sales (including Electricity Duty)	48,624,649,796.34	48,460,765,277.99
004	Less : Advance against depreciation deferred (net)	0.00	0.00
005	Add: Revenue recognized out of advance against depreciation	0.00	0.00
006	Add : Exchange fluctuation receivable from customers	0.00	0.00
007	Sale of energy through trading	0.00	0.00
008	Commission (NVVN)	0.00	0.00
009	**Sub total**	**48,624,649,796.34**	**48,460,765,277.99**
010	Less: Rebate to customers	212,786,749.91	740,951,564.77
011	**Energy Sales (Total)**	**48,411,863,046.43**	**47,719,813,713.22**
012	Consultancy, project management and supervision fees	38,134,840.50	71,205,933.80
013	Lease rentals on assets on Operating lease	0.00	0.00
014	Sale of Captive Coal	0.00	0.00
015	Intra Company Elimination	0.00	0.00
017	**Sub-total**	**0.00**	**0.00**
018	**Total - Sales**	**48,449,997,886.93**	**47,791,019,647.02**
019	Sale of fly ash/ash products	129,610,828.24	143,412,254.32
020	Less: Transferred to fly ash utilisation reserve fund	-129,610,828.24	-143,412,254.32
021	**Sub-total**	**0.00**	**0.00**
022	**Other Operating Income**	**0.00**	**0.00**
023	Interest from customers	0.00	846,295.00
024	Energy Internally Consumed *	41,887,020.08	46,256,701.08
025	Interest income on Assets under finance lease	0.00	0.00
026	Recognized from deferred revenue - government grant	0.00	0.00
027	Provision written back- Tariff Adjustment	0.00	0.00
028	Income form Trading of ESCerts	0.00	0.00
029	Income from E-Mobility Business & others	0.00	0.00
030	Others	0.00	0.00
031	**Total**	**48,491,884,907.01**	**47,838,122,643.10**
040	* Valued at variable cost of generation and corresponding amount included in power charges (Note No. 42)	0.00	0.00
041	Excise duty on sale of flyash,cenospere & ash products	0.00	0.00
042	Energy sales of principal nature (NVVN)	0.00	0.00
043	Energy sales of agency nature (NVVN)	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
001	**OTHER INCOME**	**0.00**	**0.00**
002	**Interest from**	**0.00**	**0.00**
004	**Financial assets at amortised cost**	**0.00**	**0.00**
005	Government Securities (8.5% Tax Free Bonds issued by the State Goverments)	0.00	0.00
006	Other Bonds	0.00	0.00
007		0.00	0.00
008	Interest from Government of India Securties-Non-Trade	0.00	0.00
009	Less: Amortziation of premium	0.00	0.00
010	**Sub Total**	**0.00**	**0.00**
011	Interest from others	0.00	0.00
012	Loan to State Government in settlement of dues from customers	0.00	0.00
013	Loan to Subsidiary Companies	0.00	0.00
014	Loan to Employees	15,583,937.01	16,606,898.69
015	Deposit with banks	0.00	0.00
016	Foreign Banks	0.00	0.00
017	Interest from Contractors	14,644,825.00	8,771,128.00
018	Interest from Income Tax Refunds	0.00	0.00
019	Less : Refundable to Customers	0.00	0.00
020	**Sub Total**	**0.00**	**0.00**
021	Deposits with banks-flyash utilisation reserve fund	0.00	0.00
022	Less: transferred to flyash utilisation reserve fund	0.00	0.00
023	**Sub Total**	**0.00**	**0.00**
024	Deposits with banks- DDUGJY funds	0.00	0.00
025	Interest from Contractors- DDUGJY funds	0.00	0.00
026	Transfer to DDUGJY-Advance from customers	0.00	0.00
027	Sub-total	0.00	0.00
030	Others	0.00	0.00
031		0.00	0.00
032	**Dividend from**	**0.00**	**0.00**
033	**Longterm investments in**	**0.00**	**0.00**
034	Subsidiaries	0.00	0.00
035	Joint Ventures	0.00	0.00
036	Equity Instruments	0.00	0.00
037	**Current Investments in**	**0.00**	**0.00**
038	Mutual Funds measured at fairvalue through profit or loss	0.00	0.00
039	Current investments in mutual funds-flyash utilisation reserve fund	0.00	0.00
040	Less: transferred to flyash utilisation reserve fund	0.00	0.00
041	Lease Rent # Ash Brick Plant	0.00	0.00
042	Less: transferred to flyash utilisation reserve fund	0.00	0.00
043	Other non-operating income	0.00	0.00
044	Profit on disposal of PPE	58,297,538.05	30,370,684.88
045	Profit on redemption of GOI securities	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
046	Net gain on sale of investments	0.00	0.00
047	Surcharge received from customers	-2,676,665.00	525,701,816.00
048	Hire charges for equipment	0.00	0.00
049	Gain on option contract / Discount on F.ExchContract	0.00	0.00
050	Provision written back-others	26,432,600.90	20,760,154.81
051	Fair value gains/(losses) on investments in mutual funds at fair value through profit or loss	0.00	0.00
052	Interest from Solar payment security account	0.00	0.00
053	Less : Transferred to SPSA fund	0.00	0.00
054	Interest on "Retention on A/c BG encashment (Solar)"	0.00	0.00
055	Less : Transferred to "Retention on A/c BG encashment (Solar)"	0.00	0.00
056	Miscellaneous Income	90,079,553.45	135,174,075.66
057	**Total**	**202,361,789.41**	**737,384,758.04**
058	Less:Transferred to Development of Coal Mines-Note 43A	0.00	0.00
059	Less:Transferred to Expenditure during Construction period (net)- Note 43	120,660.81	77,921.76
060	Less: Others	0.00	0.00
062	**Total**	**202,241,128.60**	**737,306,836.28**
063		0.00	0.00
064	**Details of Miscellaneous Income**	**0.00**	**0.00**
065	Vehicle Hire Charges.	154,000.00	160,000.00
066	Sale of by products & residuals	0.00	0.00
067	Township recoveries(exl. Hospital Recoveries).	19,259,297.01	18,320,879.68
068	Depreciation written back	0.00	0.00
069	Sale of Scrap.	24,375,475.94	58,453,966.46
070	Receipt under loss of profit policy.	0.00	0.00
071	Receipts under MBD/Fire Policy.	0.00	39,293,133.00
072	Management development programme.	0.00	0.00
073	Management Fee - Misc (NVVN)	0.00	0.00
074	Others	46,290,780.50	18,946,096.52
075		0.00	0.00
076	**Total (Miscellaneous Income)**	**90,079,553.45**	**135,174,075.66**
077		0.00	0.00
078	**Details of Provision written back others**	**0.00**	**0.00**
079	Doubtful debts	0.00	0.00
080	Doubtful Loans, Advances and Claims	0.00	64,233.00
081	Doubtful Construction Advances	0.00	0.00
082	Shortage in Construction Stores	0.00	0.00
083	Shortage in Stores	23,454,146.42	0.00
084	Obsolescence in Stores	0.00	9,068,852.81
085	Unserviceable capital works	0.00	0.00
086	Other Obligation including Arbitration	0.00	11,627,069.00
087	Shortage in Fixed Assets	2,978,454.48	0.00

NOTE NO. 38 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
088	Diminution in value of Investment	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38A TO THE FS--FUEL COST **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
001	**FUEL COST**	**0.00**	**0.00**
002	Coal	0.00	0.00
003	Captive	0.00	0.00
004	Other than captive	35,890,196,968.24	35,443,241,720.71
005	Gas	0.00	0.00
006	Naptha	0.00	0.00
007	Oil	643,510,012.13	316,641,880.18
008	Biomass Pellets	643,736.00	0.00
009	**Total**	**36,534,350,716.37**	**35,759,883,600.89**
010		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 39 TO THE FS--EMPLOYEE BENEFITS EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
001	**EMPLOYEE BENEFITS EXPENSE**	**0.00**	**0.00**
002	Salaries and wages	2,092,338,735.37	2,140,152,804.42
003	Contribution to provident and other funds	289,716,591.89	287,878,589.88
004	Unwinding of deferred payroll expense	11,653,721.87	12,893,424.21
005	Staff welfare expenses	262,983,151.02	213,363,030.86
006	Less : Expenses transferred to Consultancy group	0.00	0.00
007		0.00	0.00
008	**Sub Total**	**2,656,692,200.15**	**2,654,287,849.37**
009	Less: Employee benefits expense allocated to fuel inventory	207,996,244.99	199,754,438.74
010	Less: Transferred/Allocated to development of coal mines	0.00	0.00
011	Less: Others	0.00	0.00
012	Less: Transferred to fly ash utilisation reserve fund	0.00	0.00
013	Less: Transferred to CSR Expenses	0.00	0.00
014	Reimbursements for employees on secondment	0.00	0.00
015	Less: Transferred to expenditure during construction period (net)- Note 43	42,575,163.52	28,880,481.53
016	**TOTAL**	**2,406,120,791.64**	**2,425,652,929.10**
017	**Managerial Remuneration paid/ payable to Directors included above (except for Directors fee which is included in Note 42)**	**0.00**	**0.00**
018	Salaries and wages	0.00	0.00
019	Contribution to provident and other funds	0.00	0.00
020	Staff welfare expenses	0.00	0.00
021	Directors fee	0.00	0.00
022		0.00	0.00
023		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 40 TO THE FS--FINANCE COSTS **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
001	**FINANCE COSTS**	**0.00**	**0.00**
002	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
003	Bonds	435,827,343.52	312,505,939.34
004	Government of India Loans	0.00	0.00
005	Foreign currency term loans	9,704,811.98	9,941,003.64
006	Rupee term loans	235,661,072.00	414,677,534.00
007	Public deposits	0.00	0.00
008	Foreign currency bonds/notes	0.00	0.00
009	Cash Credit	0.00	0.00
010	Unwinding of discount on account of vendor liabilities	3,074,710.39	4,190,630.81
011	Commercial Papers	0.00	0.00
012	**Sub Total**	**684,267,937.89**	**741,315,107.79**
013	Interest on non financial items	0.00	0.00
014	**Other Borrowing Costs**	**0.00**	**0.00**
015	Bonds servicing & public deposit exp.	475,161.70	292,119.25
016	Guarantee fee	0.00	0.00
017	Management fee	0.00	0.00
018	Committ charges/exposure premium	139,553.94	0.00
019	Bond issue expenses	0.00	0.00
020	Legal exp on foreign currency loans	0.00	0.00
021	Foreign currency bonds/notes exp.	0.00	0.00
022	Up-front fee	0.00	0.00
023	Insurance premium on foreign currency loans	0.00	0.00
024		0.00	0.00
025	Others	0.00	0.00
026	**Sub Total (Other Borrowing cost)**	**614,715.64**	**292,119.25**
027		0.00	0.00
028	**Exchange differences regarded as an adjustment to borrowing costs**	**0.76**	**203,855.30**
029	**Sub Total**	**684,882,654.29**	**741,811,082.34**
030	Less: Transferred to Expenditure during construction period (net) - Note 43	134,772,781.87	157,887,937.27
031	Less: Transferred to development of coal mines- Note 43A	0.00	0.00
032		0.00	0.00
033	**Total**	**550,109,872.42**	**583,923,145.07**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 41 TO THE FS--DEPRECIATION AND AMORTIZATION EXPENSES **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
001	**Depreciation and amortization expenses**	**0.00**	**0.00**
002	On property, plant and equipment- Note 2	2,617,565,790.65	2,711,712,161.73
003	On intangible assets- Note 4	245,756.22	163,904.33
004	Sub-total	2,617,811,546.87	2,711,876,066.06
005	Less:	0.00	0.00
006	Allocated to fuel inventory	204,045,557.62	192,454,008.42
007	Transferred to Expenditure during Construction Period (net)- Note 43	7,336,665.49	5,696,478.91
008		0.00	0.00
009	Transferred/Allocated to development of coal mines	0.00	0.00
010	Adjustment with deferred revenue from deferred foreign currency fluctuation	0.00	0.00
011		0.00	0.00
012	**Total**	**2,406,429,323.76**	**2,513,725,578.73**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 42 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
001	**OTHER EXPENSES**	**0.00**	**0.00**
002	Power charges	41,022,365.08	48,310,999.08
003	Less: Recovered from contractors & employees	7,718,775.32	10,557,829.89
004	**Sub-Total(Power Charges)**	**33,303,589.76**	**37,753,169.19**
005	Water charges	404,185,397.14	408,507,303.00
006	Stores consumed	52,140,836.64	135,090.13
007	Rent	0.00	0.00
008	Less:Recoveries	0.00	0.00
009	**Sub-Total (Rent)**	**0.00**	**0.00**
010	Cost of captive coal produced	0.00	0.00
011	**Repairs & maintenance**	**0.00**	**0.00**
012	Buildings	29,198,735.51	144,198,362.76
013	Plant & machinery	0.00	0.00
014	Power stations	2,193,641,615.73	1,912,792,367.27
015	Construction equipment	0.00	0.00
016	Others	92,155,011.42	162,575,331.69
017	**Sub-total (Repairs & maintenance)**	**2,314,995,362.66**	**2,219,566,061.72**
019	Load Dispatch Center Charges	15,105,184.00	14,187,553.00
021	Insurance	104,782,606.88	95,949,491.53
022	Interest to beneficiaries	0.00	0.00
023	Rates and taxes	36,140,330.94	32,597,705.58
024	Water cess & environment protection cess	0.00	0.00
025	Training & recruitment expenses	5,625,540.00	6,767,457.00
026	Less: Receipts	0.00	0.00
027	**Sub-total (Training and recruitment expenses)**	**5,625,540.00**	**6,767,457.00**
028	Communication expenses	22,897,033.05	23,325,874.40
029	Inland Travel	75,753,451.84	68,929,540.29
030	Foreign Travel	0.00	12,934.00
031	Tender expenses	0.00	0.00
032	Less: Receipt from sale of tenders	0.00	5,718.00
033	**Sub-total (Tender expenses)**	**0.00**	**-5,718.00**
034	Payment to auditors	0.00	0.00
035	Audit fee	0.00	0.00
036	Tax audit fee	0.00	0.00
037	Other services	0.00	0.00
038	Reimbursement of expenses	0.00	0.00
039	**Sub-total (Payment to Auditors)**	**0.00**	**0.00**
040	Advertisement and publicity	3,858,254.80	505,249.00
041	Electricity duty	0.00	0.00
042	Security expenses	495,613,345.79	635,515,227.46
043	Entertainment expenses	29,436,242.93	29,866,561.79
044	Expenses for guest house	11,875,954.38	15,549,605.39
045	Less:Recoveries	1,081,811.70	902,902.50
046	**Sub-Total (Guest house expenses)**	**10,794,142.68**	**14,646,702.89**
047	Education expenses	35,105,969.00	66,357,288.00
049	Donations	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 42 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
050	Ash utilisation & marketing expenses	3,023,591,221.10	2,277,003,676.36
051	Directors sitting fee	0.00	0.00
053	Professional charges and consultancy fees	9,950,445.51	3,432,121.49
054	Legal expenses	10,610,944.00	12,902,711.00
055	EDP hire and other charges	7,556,012.08	2,284,144.00
056	Printing and stationery	1,300,229.00	1,115,331.80
057	Oil & gas exploration expenses	0.00	0.00
059	Hiring of vehicles	54,167,227.03	46,771,209.27
061	Reimbursement of L.C.charges on sales realisation	0.00	0.00
062		0.00	0.00
063	Cost of Hedging	0.00	81,468.00
064	Derivatives MTM loss/gain (Net)	0.00	0.00
065	Net loss/(gain) in foreign currency transactions & translations	-22,317,321.34	-12,088,414.85
066	Transport Vehicle running expenses	755,121.98	512,572.62
067	Horticulture Expenses	26,886,689.92	28,239,107.75
068	Hire charges- helicopter/aircraft.	0.00	0.00
069	Hire charges of construction equipment	0.00	0.00
070	Demurrage Charges	0.00	0.00
072		0.00	0.00
073	Miscellaneous expenses	26,437,014.85	36,859,717.65
074	Loss on disposal/write-off of PPE	36,659,855.42	74,593,032.61
075	**Sub-Total**	**6,815,334,727.66**	**6,126,324,168.68**
076	Less: Other expenses allocated to fuel inventory	776,698,912.67	700,782,584.88
077	Less: Transferred/Allocated to development of coal mines	0.00	0.00
078	Less: Transferred to fly ash utilisation reserve fund	194,719,633.35	250,492,809.25
079	Less: Hedging cost Net recoverable/payable from/to beneficiaries	0.00	0.00
080	Less: Others	0.00	0.00
081	Less: Transferred to CSR Expenses	25,593,714.84	51,345,235.33
082	Less:Transferred to Expenditure during Construction period(net)-Note 43	12,067,851.00	15,980,126.23
083	**Net (Generation, Administration and Other expenses)**	**5,806,254,615.80**	**5,107,723,412.99**
084	Corporate Social Responsibility Expenses	108,626,168.79	78,790,988.91
085	Less: Grants-in-aid	0.00	0.00
086	**Sub-total (Corporate Social Responsibility Expenses)**	**108,626,168.79**	**78,790,988.91**
087	**Provisions**	**0.00**	**0.00**
088	Doubtful Debts	0.00	0.00
089	Doubtful loans, advances and claims	0.00	0.00
090	Doubtful Construction Advances	2,974,999.38	655,458.00
091	Shortage in stores	200,043,152.09	25,455,454.61
092	Obsolete/Dimunition in the value of surplus stores	22,763,742.81	6,066,375.54
093	Shortage in construction stores	0.00	0.00
094	Dimunition in value of long term investments	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 42 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
095	Shortage in Fixed assets	0.00	3,130,973.83
096	Unfinished minimum work progress from oil & gas exploration	0.00	0.00
097	Unserviceable capital works	43,117,154.86	66,321,112.64
098	Tariff Adjustment	100,431,000.00	123,946,000.00
099	Others :	0.00	0.00
100	(i) Provision for arbitration cases	1,658,231.06	1,658,231.06
101	(ii) Other provisions	0.00	0.00
102	**Total (Provisions)**	**370,988,280.20**	**227,233,605.68**
103		0.00	0.00
104	**Total**	**6,285,869,064.79**	**5,413,748,007.58**
105		0.00	0.00
106	**Breakup of miscellaneous expenses.**	**0.00**	**0.00**
109	Hire charges of office equipment	0.00	0.00
111	Operating expenses of construction equipment	0.00	0.00
112	Operating expenses of D.G. sets	0.00	0.00
113	Furnishing expenses	270,855.64	250,107.33
114	Subscription to trade and other associations.	0.00	5,000.00
116	Visa and entry permit charges	0.00	0.00
117	Tree plantation exp.-NTPC Land	0.00	0.00
118	Research & development expenses .	0.00	0.00
119	Less : Grants received for Research & develoment expenses.	0.00	0.00
120	Sub-total (Research & development expenses)	0.00	0.00
121	Bank charges	95,489.65	123,056.65
122	Business Development Expenditure	0.00	0.00
123	Surcharge (NVVN)	0.00	0.00
124	Power Trading Expenses	13,149,659.00	21,102,270.00
125	Brokerage & commission	1,322,697.00	3,829,973.00
129	Books and periodicals	99,946.00	77,275.00
130	Claims/advances written off	0.00	0.00
131	Stores written off	68,409.00	351,398.00
132	Survey &Investigation expenses written off	0.00	0.00
133	Others	11,429,958.56	11,120,637.67
134	**Total**	**26,437,014.85**	**36,859,717.65**
135		0.00	0.00
136		0.00	0.00
137		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 43 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET) **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
001	**EXPENDITURE DURING CONSTRUCTION PERIOD (NET)**	**0.00**	**0.00**
002	A. Employee benefits expense	0.00	0.00
003	Salaries and wages	35,001,160.57	24,816,443.49
004	Contribution to provident and other funds	4,244,320.19	2,845,160.19
005	Unwinding of deffered payroll expenses	0.00	0.00
006	Staff welfare expenses	3,329,682.76	1,218,877.85
007	**Total (A)**	**42,575,163.52**	**28,880,481.53**
008	**B. Finance Costs**	**0.00**	**0.00**
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
010	Bonds	39,866,110.04	18,646,712.16
011	Foreign currency term loans	6,365,090.54	6,457,336.85
012	Rupee term loans	87,349,934.10	130,450,396.47
013	Foreign currency bonds/notes	0.00	0.00
014	Unwinding of discount on account of vendor liabilities	743,112.72	1,899,423.31
015	Others	0.00	0.00
016		0.00	0.00
017	Other Borrowings Costs	0.00	0.00
018	Guarantee Commission	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00
020	Commitment charges/Exposure Premium	139,553.94	0.00
021	Legal Expenses on foreign currency loans	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00
024	Upfront Fee	0.00	0.00
025	Exchange Differences	0.00	0.00
026	Others	308,979.77	230,213.18
027	Exchange differences regarded as adjustment to interest cost	0.76	203,855.30
028	**Total (B)**	**134,772,781.87**	**157,887,937.27**
029		0.00	0.00
030	C. Depreciation and amortisation	7,336,665.49	5,696,478.91
031	**D. Generation , administration and other expenses**	**0.00**	**0.00**
032	Power charges	903,759.00	1,126,410.00
033	Less: Recovered from contractors & employees	73,189.12	24,608.58
034	**Sub-total(Net power charges)**	**830,569.88**	**1,101,801.42**
035	Water charges	0.00	0.00
036	Rent	0.00	0.00
037	Repairs & maintenance	0.00	0.00
038	Buildings	0.00	443,140.00
039	Construction equipment	0.00	0.00
040	Others	48,737.00	0.00
041		0.00	0.00
042	Insurance	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 43 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET) **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
043	Rates and taxes	6,111.76	2,942.00
044	Communication expenses	457,297.81	184,143.57
045	Travelling expenses	1,993,335.54	1,292,763.07
046	Tender expenses	0.00	0.00
047	Less: Income from sale of tenders	0.00	0.00
048	**Sub-total (Net tender expenses)**	**0.00**	**0.00**
049	Advertisement and publicity	0.00	0.00
050	Security expenses	1,353,096.08	8,088,480.45
051	Entertainment expenses	214,567.00	171,867.00
052	Guest house expenses	992,195.38	1,383,569.02
053	Less: Receipt from guest house	0.00	0.00
054	**Sub-total (Net Guest House Expenses)**	**992,195.38**	**1,383,569.02**
055	Education expenses	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	0.00	0.00
058	Community development expenses	0.00	0.00
059	Professional charges and consultancy fee	5,343,485.00	1,340,862.00
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	-425,484.00	763,215.00
062	Printing and stationery	1,859.00	89,147.70
063	Miscellaneous expenses	1,252,080.55	1,118,195.00
064	**Total (D)**	**12,067,851.00**	**15,980,126.23**
065	**Total (A+B+C+D)**	**196,752,461.88**	**208,445,023.94**
066	**E. Less: Other Income**	**0.00**	**0.00**
067	Interest from	0.00	0.00
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	0.00
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
073	Sale of scrap	0.00	0.00
074	Exchange Differences	0.00	0.00
075	Miscellaneous income	120,660.81	77,921.76
076	**TOTAL (E)**	**120,660.81**	**77,921.76**
077	F. Net actuarial gain/loss OCI	154,479.86	263,204.64
078		0.00	0.00
079	**GRAND TOTAL (A+B+C+D-E+F)**	**196,786,280.93**	**208,630,306.82**
080		0.00	0.00
081	*** Balance carried to Capital Work-in-progress - (Note 3)**	**196,786,280.93**	**208,630,306.82**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 43A TO THE FS--EDC- COAL MINING **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
001	**EDC- Coal Mining**	**0.00**	**0.00**
002	A. Employee benefits expense	0.00	0.00
003	Salaries and wages	0.00	0.00
004	Contribution to provident and other funds	0.00	0.00
005	Unwinding of deffered payroll expenses	0.00	0.00
006	Staff welfare expenses	0.00	0.00
007	**Total (A)**	**0.00**	**0.00**
008	**B. Finance Costs**	**0.00**	**0.00**
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
010	Bonds	0.00	0.00
011	Foreign currency term loans	0.00	0.00
012	Rupee term loans	0.00	0.00
013	Foreign currency bonds/notes	0.00	0.00
014	Unwinding of discount on account of vendor liabilities	0.00	0.00
015	Others	0.00	0.00
016		0.00	0.00
017	Other Borrowings Costs	0.00	0.00
018	Guarantee Commission	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00
020	Commitment charges/Exposure Premium	0.00	0.00
021	Legal Expenses on foreign currency loans	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00
024	Upfront Fee	0.00	0.00
025	Exchange Differences	0.00	0.00
026	Others	0.00	0.00
027	Exchange differences regarded as adjustment to interest cost	0.00	0.00
028	**Total (B)**	**0.00**	**0.00**
029		0.00	0.00
030	C. Depreciation and amortisation	0.00	0.00
031	**D. Generation , administration and other expenses**	**0.00**	**0.00**
032	Power charges	0.00	0.00
033	Less: Recovered from contractors & employees	0.00	0.00
034	**Sub-total(Net power charges)**	**0.00**	**0.00**
035	Water charges	0.00	0.00
036	Rent	0.00	0.00
037	Repairs & maintenance	0.00	0.00
038	Buildings	0.00	0.00
039	Construction equipment	0.00	0.00
040	Others	0.00	0.00
041	Cost of Captive Coal	0.00	0.00
042	Insurance	0.00	0.00
043	Rates and taxes	0.00	0.00

	For the Year ended	31.03.2022	31.03.2021
044	Communication expenses	0.00	0.00
045	Travelling expenses	0.00	0.00
046	Tender expenses	0.00	0.00
047	Less: Income from sale of tenders	0.00	0.00
048	**Sub-total (Net tender expenses)**	**0.00**	**0.00**
049	Advertisement and publicity	0.00	0.00
050	Security expenses	0.00	0.00
051	Entertainment expenses	0.00	0.00
052	Guest house expenses	0.00	0.00
053	Less: Receipt from guest house	0.00	0.00
054	**Sub-total (Net Guest House Expenses)**	**0.00**	**0.00**
055	Education expenses	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	0.00	0.00
058	Community development expenses	0.00	0.00
059	Professional charges and consultancy fee	0.00	0.00
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	0.00	0.00
062	Printing and stationery	0.00	0.00
063	Miscellaneous expenses	0.00	0.00
064	**Total (D)**	**0.00**	**0.00**
065	**Total (A+B+C+D)**	**0.00**	**0.00**
066	**E. Less: Other Income**	**0.00**	**0.00**
067	Interest from	0.00	0.00
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	0.00
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
073	Sale of scrap	0.00	0.00
074	Exchange Differences	0.00	0.00
075	Miscellaneous income	0.00	0.00
076	**TOTAL (E)**	**0.00**	**0.00**
077	F. Net actuarial gain/loss OCI	0.00	0.00
078		0.00	0.00
079	**GRAND TOTAL (A+B+C+D-E+F)**	**0.00**	**0.00**
080		0.00	0.00
081	*** Balance carried to Capital Work-in-progress - (Note 3)**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 44-A TO THE FINANCIAL STATEMENTS **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	Balance sheet	0.00	0.00
002	Freehold land for which conveyancing of the title is awaiting completion of legal formalities	0.00	0.00
003	(a) area (in acres)	0.00	0.00
004	(b) value (in rs)	0.00	0.00
005	Right-of-use land for which execution of lease deed is awaiting completion of legal formalities	0.00	0.00
006	(a) area (in acres)	0.00	0.00
007	(b) value (in rs)	0.00	0.00
008	Right-of-use land acquired on perpetual lease and accordingly not amortised	0.00	0.00
009	(a) area (in acres)	0.00	0.00
010	(b) value (in rs.)	0.00	0.00
011	Land in physical possesession of the company which has not been shown in the books pending settlement of price (in acres)	0.00	0.00
012	Deposit with government authorities towards land in possession of the company included in cost of land which is subject to adjus	0.00	0.00
013	**Land not in possession of the company**	**0.00**	**0.00**
014	(a) area (in acres)	0.00	0.00
015	-Freehold	0.00	0.00
016	-Right of Use	0.00	0.00
017	(b) value (in rs)	0.00	0.00
018	-Freehold	0.00	0.00
019	-Right of Use	0.00	0.00
020	Right-of-use buildings pending completion of legal fomalities - value (in rs.)	0.00	0.00
021	Estimated amount of contracts remaining to be executed on capital account and not provided for	0.00	0.00
022	Property, plant & equipment	17,066,336,824.00	2,688,174,749.50
023	Intangible assets	0.00	0.00
024	Details of precommissioning expenditure	0.00	0.00
025	(a) precommissioning expenses	0.00	0.00
026	(b) precommissioning income	0.00	0.00
027	(c) net precommissioning expenditure	0.00	0.00
028		0.00	0.00
029		0.00	0.00
030		0.00	0.00
031	Exchange rate variation taken to revenue during the year (with -ve sign, if favourable)	2,935,238.13	-3,370,499.46
045	Exchange rate variation capitalised during the year (with -ve sign, if favourable)	-30,652,419.00	-1,108,434.65
064	Short Term Leases	0.00	0.00
065	A) Rent	0.00	0.00
066	Company lease accomodation - executives	0.00	0.00
067	Company lease accomodation - directors	0.00	0.00
068	Others	0.00	0.00

	As at	31.03.2022	31.03.2021
069	**Total**	**0.00**	**0.00**
101	Borrowing cost capitalised during the year	134,772,781.87	157,887,937.27
102	Revenue grants recognized during the year	0.00	0.00
103	Revenue expenditure on research and development	0.00	0.00
104	Capital expenditure on research and development.	0.00	0.00
105	Expenditure on sustainibility development - capital	0.00	0.00
106	Expenditure on csr- capital	0.00	0.00
107	Opening balance - CSR Liability	0.00	9,143,441.49
108	Paid/Adjusted during the Year out of Opening above	0.00	-5,317,704.49
109	Amount yet to be paid against Cr Year CSR Exp	-36,037,597.00	1,297,911.00
110	Closing Balance CSR- Liability (107-108+109)	0.00	5,123,648.00
111		0.00	0.00
112	Constn/acquisition of any asset	0.00	0.00
113	On purpose other than above	0.00	0.00
114		0.00	0.00
115	Disclosure under msmed act 2006.	0.00	0.00
116	(i) (a) the principal amount remaining unpaid as at year end	-619,766,563.02	-416,769,892.40
117	(i) (b) interest due there on remaining unpaid as at Year end	0.00	0.00
118	(ii) the amount of interest paid by the buyer in terms of section 16, along with the amounts of the payment made to the supplier	0.00	0.00
119	(iii) the amount of interest due and payable for the period of delay in making payment(which has been paid but beyond the appoin	0.00	0.00
120	(iv) the amount of interest accrued and remaining unpaid at the end of the year; and	0.00	0.00
121	(v) the amount of further interest remaining due and payable even in the succeeding years, until such date when the interest due	0.00	0.00
122	Amount of inventories recognized as an expense (including fuel)	37,256,110,812.61	36,587,348,213.26
123	Amount of inventories capitalised as overhauling assets out of 122 above	111,398,767.60	76,686,639.23
124	Amount capitalised as edc out of 122 above	0.00	0.00
133	Value of Imported Material Consumed during the Year	0.00	0.00
134		0.00	0.00
135	Contingent liabilities	0.00	0.00
136	A. Claims against the company not acknowledged as debts in respect of :	0.00	0.00
137	(i)Capital works	354,071,368.60	337,064,367.61
138	(ii)Land compensation cases	0.00	0.00
139	(iii)Others by state authorities towards:-	0.00	0.00
140	(a) Water royalty / water charges / nala tax	0.00	0.00
141	(b) Diversion of land / building permission fees	0.00	0.00

	As at	31.03.2022	31.03.2021
142	(c) Other demands by state authorities	243,881,730.82	236,369,982.27
143	(iv) Others by fuel companies	0.00	0.00
144	(a) Disputes related to grade slippage-third party sampling	2,874,228,356.00	3,053,785,650.55
145	(b) Surface transportation charges on coal	371,742,273.00	371,742,273.26
146	(c) Take or pay claim - Gas stations	0.00	0.00
147	(d) Other claims by fuel companies not acknowledged as debt	140,866,183.00	140,866,183.28
149	B.Disputed tax demands	0.00	0.00
150	(i) Income tax	0.00	0.00
151	(ii) Excise duty	0.00	0.00
152	(iii) Sales tax	0.00	0.00
153	(iv) Service tax	0.00	0.00
154	(v) Entry tax	0.00	0.00
155	C. Others	23,034,101,233.00	21,555,748,856.43
156	**Total**	**27,018,891,144.42**	**25,695,577,313.40**
157	D. Possible reimbursement on account of contingent liabilities	0.00	0.00
158	(i) Capital works	0.00	0.00
159	(ii)Land compensation cases	0.00	0.00
160	(iii)Others (by state authorities)	0.00	0.00
161		0.00	0.00
162	(iv) Others by fuel companies	3,386,836,813.00	3,566,394,106.81
163	(v) Disputed income tax demand	0.00	0.00
164	(vi) Disputed tax demands -others	0.00	0.00
165	(vii) Others	0.00	0.00
167	**Total**	**3,386,836,813.00**	**3,566,394,106.81**
168	E.AMOUNT PAID UNDER PROTEST/ADJUSTED BY AUTHORITIES - TAX CASES	0.00	0.00
169	F.CONTINGENT ASSETS	0.00	0.00
170	Intangible under development : less than 1 year	0.00	0.00
171	Intangible under development #: 1-2 year	0.00	0.00
227	Intangible under development #: 2-3 year	0.00	0.00
277	Intangible under development #: More than 3 years	0.00	0.00
278	**Capital-Work-in Progress (CWIP)**	**0.00**	**0.00**
279	Projects in progress	3,855,855,300.45	4,896,479,080.57
280	Projects temporarily suspended	0.00	0.00
281		0.00	0.00
282		0.00	0.00
283	**Projects in progress**	**0.00**	**0.00**
284	Less than 1 year	706,926,204.09	1,071,728,162.16
285	1-2 years	915,033,006.70	758,776,292.93
286	2-3 years	429,001,363.73	1,016,873,543.91
287	More than 3 years	1,804,894,725.93	2,049,101,081.57
288	**Sub Total (I)**	**3,855,855,300.45**	**4,896,479,080.57**
289		0.00	0.00

	As at	31.03.2022	31.03.2021
290	**Projects temporarily suspended**	**0.00**	**0.00**
291	Less than 1 year	0.00	0.00
292	1-2 years	0.00	0.00
293	2-3 years	0.00	0.00
294	More than 3 years	0.00	0.00
295	**Sub Total (II)**	**0.00**	**0.00**
296		0.00	0.00
380	Previous year figures have been regrouped/rearranged wherever necessary.	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 44-B TO THE FS--RPD DISCLOSURE- TRANSACTIONS DURING THE PERIOD **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
001	**1) Transactions during the year- subsidiaries**	**0.00**	**0.00**
002	Purchase of equipment, supply & erection services	0.00	0.00
003	Purchase of spares	0.00	0.00
004	Maintenance services	0.00	0.00
005	Contracts for works/services for services provided by the company	0.00	0.00
006	Deputation of employees	0.00	0.00
007	Sales of goods	0.00	0.00
008	Sales of property and other assets	0.00	0.00
009	**Sub-total**	**0.00**	**0.00**
010		0.00	0.00
011	Dvidend received	0.00	0.00
012	Equity contributions made	0.00	0.00
013	Share application money pending allotment	0.00	0.00
014	Loans granted	0.00	0.00
015	Interest on Loan	0.00	0.00
016	Guarantees received	0.00	0.00
017	Guarantees provided	0.00	0.00
018	**Sub-total**	**0.00**	**0.00**
019		0.00	0.00
020	**Transactions during the year- jvs**	**0.00**	**0.00**
021	Purchase of equipment, supply & erection services	1,451,264.20	18,830,331.00
022	Purchase of spares	1,562,377.30	0.00
023	Maintenance services	734,604,586.46	817,718,441.39
024	Contracts for works/services for services provided by the company	0.00	0.00
025	Deputation of employees	0.00	0.00
026	Sales of goods	0.00	0.00
027	Sales of property and other assets	0.00	0.00
028	**Sub-total**	**-737,618,227.96**	**-836,548,772.39**
029		0.00	0.00
030	Dividend received	0.00	0.00
031	Equity contributions made	0.00	0.00
032	Share application money pending allotment	0.00	0.00
033	Loans granted	0.00	0.00
034	Guarantees received	0.00	0.00
035	Guarantees provided	0.00	0.00
036	**Sub-total**	**0.00**	**0.00**
037	**Total**	**737,618,227.96**	**836,548,772.39**
038	**Transactions with post employment benefit plans**	**0.00**	**0.00**
039	Contributions made during the year	0.00	0.00
040	**Compensation to key management personnel**	**0.00**	**0.00**
041	Short term employee benefits	0.00	0.00
042	Post employment benefits	0.00	0.00
043	Other long term benefits	0.00	0.00
044	Termination benefits	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 44-B TO THE FS--RPD DISCLOSURE- TRANSACTIONS DURING THE PERIOD **(Amount in ₹)**

	For the Year ended	31.03.2022	31.03.2021
045	Sitting Fee	0.00	0.00
046	Share based payments	0.00	0.00
047	**Sub-total**	**0.00**	**0.00**
048	**Transactions with the related parties under the control of the same government:**	**0.00**	**0.00**
049	Coal india ltd.. And its subsidiaries- purchase of coal	24,625,627,072.53	24,928,102,919.00
050	Singareni coalfields ltd- purchase of coal	0.00	0.00
051	**Bhel ltd.**	**0.00**	**0.00**
052	Purchase of equipment, supply & erection services	51,016,214.97	45,375,138.65
053	Purchase of spares	311,081,081.73	278,964,451.41
054	Maintenance services	274,851,419.96	318,541,698.75
055	**Sub-total**	**636,948,716.66**	**642,881,288.81**
056	Gail (i) ltd. Supply of natural gas	0.00	0.00
057	Iocl supply of oil products	1,190,929,986.25	579,795,057.04
058	Bpcl-supply of natural gas and oil	0.00	0.00
059	Sail-supply of steel and iron products	142,392,980.06	228,444,982.15
060	Other entities	0.00	0.00
061	Purchase of equipments & erection services	411,133.00	1,807,080.00
062	Purchase of spares	4,088,847.60	2,901,893.49
063	Maintenance services	124,993,200.60	101,244,569.59
064		0.00	0.00
065	**Total**	**26,725,391,936.70**	**26,485,177,790.08**
066	**Transaction with other**	**0.00**	**0.00**
067	**Transaction with ntpc education and research society and ntpc foundation**	**0.00**	**0.00**
068	- transactions during the year	0.00	0.00
069	ADDITIONAL TRANSACTIONS WITH RELATED PARTIES FOR PSU	0.00	0.00
070	Additional Transactions with GAIL	0.00	0.00
071	Additional Transactions with subsidiaries	0.00	0.00
072	Additional Transactions with joint ventures	0.00	0.00
073		0.00	0.00
074		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 44-C TO THE FS--RPD DISCLOSURE- OUTSTANDING BALANCES **(Amount in ₹)**

	As at	31.03.2022	31.03.2021
001	**Outstanding balance**	**0.00**	**0.00**
002	**Amount recoverable towards loans**	**0.00**	**0.00**
003	- From Subsidiaries	0.00	0.00
004	- From JVC	0.00	0.00
005	- From KMP	0.00	0.00
006	- From Others	0.00	0.00
007	Sub-total	0.00	0.00
008	**Amount recoverable other than loan**	**0.00**	**0.00**
009	- from subsidiaries	0.00	0.00
010	- from joint ventures	0.00	0.00
011	- from key managerial personnel	0.00	0.00
012	- from post employment benfit plans	0.00	0.00
013	- from others	0.00	0.00
014	Sub-total	0.00	0.00
015	**Amount payable**	**0.00**	**0.00**
016	- from subsidiaries	0.00	0.00
017	- from joint ventures	80,036,356.69	147,300,297.67
018	- from key managerial personnel	0.00	0.00
019	- from post employment benfit plans	0.00	0.00
020	- from others	0.00	0.00
021	Sub-total	80,036,356.69	147,300,297.67
022		0.00	0.00

BALANCE SHEET FY 2022-23

FARAKKA SUPER THERMAL POWER STATION

BALANCE SHEET **(Amount in ₹)**

	As at	Note	31.03.2023	31.03.2022
001	**ASSETS**		**0.00**	**0.00**
002			**0.00**	**0.00**
003	**NON-CURRENT ASSETS**		**0.00**	**0.00**
004	PROPERTY, PLANT & EQUIPMENT	2	27,217,906,410.95	27,479,660,089.79
005	CAPITAL-WORK-IN-PROGRESS	3	5,368,321,281.98	3,855,855,300.45
006	INVESTMENT PROPERTY		0.00	0.00
007	INTANGIBLE ASSETS	4	298,933.33	0.00
008	INTANGIBLE ASSETS UNDER DEVELOPMENT	5	0.00	0.00
009	**FINANCIAL ASSETS**		**0.00**	**0.00**
010	I) EQUITY INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES	6	0.00	0.00
011	II) OTHER INVESTMENTS	7	5,000.00	5,000.00
012	III) TRADE RECEIVABLES	8	0.00	0.00
013	IV) LOANS	9	77,024,292.36	90,238,030.41
014	V) OTHER FINANCIAL ASSETS	10	0.00	0.00
016	OTHER NON-CURRENT ASSETS	11	998,442,818.83	958,343,277.20
017	**TOTAL NON-CURRENT ASSETS**		**33,661,998,737.45**	**32,384,101,697.85**
018			**0.00**	**0.00**
019	**CURRENT ASSETS**		**0.00**	**0.00**
020	INVENTORIES	12	5,642,242,597.44	4,581,271,833.64
021	**FINANCIAL ASSETS**		**0.00**	**0.00**
022	I) OTHER INVESTMENTS	13	0.00	0.00
023	II) TRADE RECEIVABLES	14	2,880,182.19	765,678.02
024	III) CASH AND CASH EQUIVALENTS	15	0.00	12,209.00
025	IV) BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS	16	0.00	0.00
026	V) LOANS	17	72,340,688.03	80,059,933.46
027	VI) OTHER FINANCIAL ASSETS	18	422,223,085.72	223,353,357.12
028	CURRENT TAX ASSETS (NET)		0.00	0.00
029			0.00	0.00
030	OTHER CURRENT ASSETS	19	17,411,472,160.17	20,396,750,312.22
031			0.00	0.00
032	**TOTAL CURRENT ASSEETS**		**23,551,158,713.55**	**25,282,213,323.46**
033	ASSETS CLASSIFIED AS HELD FOR SALE		0.00	0.00
036	REGULATORY DEFERRAL ACCOUNT DEBIT BALANCES	20	100,265,455.61	7,550,002,363.30
037	**TOTAL ASSETS**		**57,313,422,906.61**	**65,216,317,384.61**
038	**EQUITY AND LIABILITIES**		**0.00**	**0.00**
039	**EQUITY**		**0.00**	**0.00**
040	EQUITY SHARE CAPITAL	21	0.00	0.00
041	OTHER EQUITY	22	92,570,245,301.85	86,105,072,907.06
044	**TOTAL EQUITY**		**92,570,245,301.85**	**86,105,072,907.06**
045			0.00	0.00
046	**LIABILITIES**		**0.00**	**0.00**
047	**NON-CURRENT LIABILITIES**		**0.00**	**0.00**
048	**FINANCIAL LIABILITIES**		**0.00**	**0.00**
049	I) BORROWINGS	23	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

BALANCE SHEET **(Amount in ₹)**

	As at	Note	31.03.2023	31.03.2022
050	II) LEASE LIABILITIES	23A	16,176,853.00	15,771,520.61
051	**III) TRADE PAYABLES**		**0.00**	**0.00**
052	- TOTAL OUTSTANDING DUES OF MICRO AND SMALL ENTERPRISES	24	71,846.94	197,098.06
053	- TOTAL OUTSTANDING DUES OF CREDITORS OTHER THAN MICRO AND SMALL ENTERPRISES	24	492,932.54	2,257,111.55
054	IV) OTHER FINANCIAL LIABILITIES	25	414,837.29	53,107,639.17
055	PROVISIONS	26	0.00	0.00
056	DEFERRED TAX LIABILITIES (NET)	27	0.00	0.00
057	OTHER NON-CURRENT LIABILITIES	28	0.00	0.00
058			**0.00**	**0.00**
059	**TOTAL NON-CURRENT LIABILITIES**		**17,156,469.77**	**71,333,369.39**
060			**0.00**	**0.00**
061	**CURRENT LIABILITIES**		**0.00**	**0.00**
062	**FINANCIAL LIABILITIES**		**0.00**	**0.00**
063	I) BORROWINGS	29	0.00	0.00
064	II) LEASE LIABILITIES	29A	775,040,701.75	775,037,617.86
065	**II) TRADE PAYABLES**		**0.00**	**0.00**
066	- TOTAL OUTSTANDING DUES OF MICRO AND SMALL ENTERPRISES	30	178,256,804.02	522,265,498.18
067	- TOTAL OUTSTANDING DUES OF CREDITORS OTHER THAN MICRO AND SMALL ENTERPRISES	30	6,575,246,915.92	8,832,200,925.56
068	III) OTHER FINANCIAL LIABILITIES	31	1,319,281,363.87	1,255,430,559.79
069	OTHER CURRENT LIABILITIES	32	615,377,020.50	311,518,239.72
070	PROVISIONS	33	394,861,419.29	383,746,035.25
071	CURRENT TAX LIABILITIES (NET)	34	0.00	0.00
072			**0.00**	**0.00**
073	**TOTAL CURRENT LIABILITIES**		**9,858,064,225.35**	**12,080,198,876.36**
074			**0.00**	**0.00**
077	DEFERRED REVENUE	35	0.00	-8,123,000.00
078	REGULATORY DEFERRAL ACCOUNT CREDIT BALANCES	36	0.00	0.00
079	INTER UNIT ACCOUNTS		-45,132,043,090.36	-33,032,164,768.20
080			**0.00**	**0.00**
081	**TOTAL EQUITY AND LIABILITIES**		**57,313,422,906.61**	**65,216,317,384.61**
082	Significant Accounting Policies as per note 1	1	0.00	0.00
083			0.00	0.00
084	The Accompanying notes 1 to 44 form an integral part of these financial statements.		0.00	0.00
085			**0.00**	**0.00**

RADHEY SHYAM AGARWAL Digitally signed by RADHEY SHYAM AGARWAL Date: 2023.04.27 19:54:19 +05'30'

(Auditor Initial & Stamp)

NARENDER KUMAR CHATRATH Digitally signed by NARENDER KUMAR CHATRATH Date: 2023.04.27 16:27:16 +05'30'

(Head of Finance)

SANJIV KUMAR Digitally signed by SANJIV KUMAR Date: 2023.04.27 19:06:32 +05'30'

(Head of Unit)

FARAKKA SUPER THERMAL POWER STATION

STATEMENT OF PROFIT AND LOSS **(Amount in ₹)**

	For the Year ended	Note	31.03.2023	31.03.2022
001	**Revenue**		**0.00**	**0.00**
002	Revenue from operations	37	73,923,828,204.74	48,805,710,430.01
003	Other income	38	553,146,274.86	202,241,128.60
005	**Total Income**		**74,476,974,479.60**	**49,007,951,558.61**
007	**Expenses**		**0.00**	**0.00**
008	Fuel including cost of captive coal	38A	46,557,677,369.06	36,534,350,716.37
009	Employee benefits expense	39	2,300,465,133.81	2,406,120,791.64
010	Electricity purchased for trading		0.00	0.00
011	Finance costs	40	647,582,442.71	550,109,872.42
012	Depreciation and amortization expenses	41	2,514,923,275.39	2,406,429,323.76
013			0.00	0.00
014	Other expenses	42	7,863,450,905.33	6,321,462,102.87
015	CC expenses charge to revenue		643,300,655.61	619,850,279.69
016	Less: Unit expenses transferred to CC		0.00	0.00
017	**Total expenses**		**60,527,399,781.91**	**48,838,323,086.75**
020	**Profit before exceptional items & tax**		**13,949,574,697.69**	**169,628,471.86**
021	Exceptional items		0.00	0.00
024	**Profit before tax**		**13,949,574,697.69**	**169,628,471.86**
027	**Tax expense:**		**0.00**	**0.00**
028	Current tax		0.00	0.00
031	Deferred tax		0.00	0.00
034			0.00	0.00
035	**Total Tax expense**		**0.00**	**0.00**
036	**Profit for the period before regulatory deferral account balances**		**13,949,574,697.69**	**169,628,471.86**
037	**Movement in regulatory deferral account balances**		**0.00**	**0.00**
038	Regulatory deferred account - deferred		0.00	0.00
039	Others		-7,449,736,907.69	2,801,528,406.66
040	Tax impact on Regulatory deferral account balances		0.00	0.00
041	**Movement in Regulatory deferrall account balances (Net of Tax)**		**-7,449,736,907.69**	**2,801,528,406.66**
042	**Profit for the period/ year**		**6,499,837,790.00**	**2,971,156,878.52**
055	**Other comprehensive income**		**0.00**	**0.00**
056	**(A) Items that will not be reclassified to profit or loss**		**0.00**	**0.00**
057	- Net gains/(losses) on fair value of equity instruments through other comprehensive income		0.00	0.00
058	Income tax on above that will not be reclassified to profit or loss		0.00	0.00
059	- Net acturial gains/(losses) on defined benefit plans		-34,665,395.21	-15,513,613.06
060	Income tax on above that will not be reclassified to profit or loss		0.00	0.00
064			0.00	0.00
065	**Other comprehensive income for the year, net of income tax**		**-34,665,395.21**	**-15,513,613.06**
070			0.00	0.00
071			0.00	0.00
072	**Total Comprehensive Income for the year**		**6,465,172,394.79**	**2,955,643,265.46**

FARAKKA SUPER THERMAL POWER STATION

STATEMENT OF PROFIT AND LOSS **(Amount in ₹)**

	For the Year ended	Note	31.03.2023	31.03.2022
086			0.00	0.00
087	**Earnings per equity share:**		**0.00**	**0.00**
088	Basic & Diluted		0.00	0.00
089	Significant Accounting Policies		0.00	0.00
090			0.00	0.00
091	The accompanying notes 1 to 44 form an integral part of these financial statements.		0.00	0.00

RADHEY SHYAM AGARWAL Digitally signed by RADHEY SHYAM AGARWAL Date: 2023.04.27 19:55:32 +05'30'

(Auditor Initial & Stamp)

NARENDER KUMAR CHATRATH Digitally signed by NARENDER KUMAR CHATRATH Date: 2023.04.27 16:25:57 +05'30'

(Head of Finance)

SANJIV KUMAR Digitally signed by SANJIV KUMAR Date: 2023.04.27 19:09:11 +05'30'

(Head of Unit)

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2022	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2023	Opening Depreciation As At 01.04.2022	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2023	Net Block As At 31.03.2023	Net Block As At 31.03.2022
1 TANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Land : (including development expenses)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Freehold	1654107045.42	0.00	0.00	1654107045.42	0.00	0.00	0.00	0.00	1654107045.42	1654107045.42
4 Right of Use	148101173.62	0.00	0.00	148101173.62	41713985.37	6834990.11	0.00	48548975.48	99552198.14	106387188.25
5 Submergence	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Right of use - Coal Bearing Area Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 Roads,bridges, culverts & helipads	322435942.02	0.00	0.00	322435942.02	96808532.40	11458710.48	0.00	108267242.88	214168699.14	225627409.63
8 Building :	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 Freehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Main plant	2231150022.06	0.00	0.00	2231150022.06	787082958.92	55096705.61	0.00	842179664.53	1388970357.53	1444067063.14
11 Others	1268388798.19	850001.00	0.00	1269238799.19	327886127.49	41185161.51	0.00	369071289.00	900167510.19	940502670.70
12 Right of Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Temporary erection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 Water Supply, drainage & sewerage system	145305604.70	0.00	0.00	145305604.70	60590636.58	7174472.21	0.00	67765108.79	77540495.91	84714968.12
15 Hydraulic works, barrages, dams, tunnels and power channel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 MGR track and signalling system	924027362.74	507508.01	0.00	924534870.75	517791969.07	51755923.80	0.00	569547892.87	354986977.88	406235393.67
17 Railway siding	3166441.50	0.00	0.00	3166441.50	0.00	0.00	0.00	0.00	3166441.50	3166441.50
18 Earth dam reservoir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19 Plant and machinery(including associated civil works) Owned Asset	36102960330.53	2562691012.01	(1006540835.57)	37659110506.97	14312666567.01	2426916167.61	(840528075.91)	15899054658.71	21760055848.26	21790293763.56

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2022	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2023	Opening Depreciation As At 01.04.2022	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2023	Net Block As At 31.03.2023	Net Block As At 31.03.2022
20 Plant and machinery(including associated civil works) -Right of use Asset	857760000.00	0.00	0.00	857760000.00	331320000.00	47520000.00	0.00	378840000.00	478920000.00	526440000.00
21 Furniture and fixtures	141836346.42	12415600.00	(1795011.41)	152456935.01	59399212.41	8848745.67	(1428548.39)	66819409.69	85637525.32	82437136.81
22 Assets under 5 Km Scheme	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 Vehicles including speedboats / helicopter-Owned	4959240.66	0.00	0.00	4959240.66	2627728.23	295082.92	0.00	2922811.15	2036429.51	2331512.43
24 Vehicles including speedboats / helicopter - Leased	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Office equipment	114436150.74	9418114.80	(3182300.69)	120671964.85	59047412.48	12477174.45	(2118130.95)	69406455.98	51265508.87	55388738.26
26 EDP, WP machines and satcom equipment	71739091.67	191000.07	(1534116.69)	70395975.05	64026669.65	4656912.72	(1534116.69)	67149465.68	3246509.37	7712422.02
27 Construction equipments	110962103.96	2436174.00	(2845.50)	113395432.46	77359020.04	6719271.03	0.00	84078291.07	29317141.39	33603083.92
28 Electrical Installations	127018508.51	(22591.00)	0.00	126995917.51	75112938.58	5829082.66	0.00	80942021.24	46053896.27	51905569.93
29 Communication equipments	55381739.19	3508922.74	(140005.68)	58750656.25	19689511.05	4586709.97	(51357.88)	24224863.14	34525793.11	35692228.14
30 Hospital equipments	27777443.89	705595.16	(328116.65)	28154922.40	16208289.05	2760483.55	(266931.65)	18701840.95	9453081.45	11569154.84
31 Laboratory and workshop equipments	31193904.20	9218127.50	(36305.79)	40375725.91	13715601.90	1941639.92	(16467.60)	15640774.22	24734951.69	17478302.30
32 Capital expenditure on assets not owned by the Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33 Assets of Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2022	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2023	Opening Depreciation As At 01.04.2022	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2023	Net Block As At 31.03.2023	Net Block As At 31.03.2022
34 Less:Grants from Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35 Less: Recoverable from GOI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36 Assets for ash utilisation	4479551.00	0.00	0.00	4479551.00	0.00	0.00	0.00	0.00	4479551.00	4479551.00
37 (Less):-Adjusted from fly ash utilisation reserve fund	4479551.00	0.00	0.00	4479551.00	0.00	0.00	0.00	0.00	4479551.00	4479551.00
38 Site Restoration Cost	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Mining Properties	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total (Tangible)	44342707250.02	2601919464.29	(1013559537.98)	45931067176.33	16863047160.23	2696057234.22	(845943629.07)	18713160765.38	27217906410.95	27479660092.64
Grand Total Prev Year (Tangible)	41293531764.32	2944671287.06	104504198.64	44342707250.02	14205415344.70	2617565790.65	40066024.88	16863047160.23	27479660089.79	27088116422.47

Note forming part of Balance Sheet
Note 2 : Property, Plant And Equipment
Business Area :1024

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	Tangible As At: 31.03.2023	**Tangible As At: 31.03.2022**	**Tangible As At: 31.03.2023**	**Tangible As At: 31.03.2022**
Disposal of assets	(828178.05)	(874067.51)	(828178.05)	(819067.51)
Retirement of assets	(932256983.10)	(60880542.36)	(825840264.90)	(24122567.59)
Cost adjustments	0.00	0.00	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	(80474376.83)	166258808.51	(19275186.12)	65007659.98
Others	0.00	0.00	0.00	0.00
TOTAL	**(1013559537.98)**	**104504198.64**	**(845943629.07)**	**40066024.88**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

(Amount in Rupees)

Note forming part of Balance Sheet
Note 3: Capital-Work-in-Progress
Business Area: FARAKKA SUPER THERMAL POWER STATION

Sl No	Asset Class	As At 01.04.2022	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2023
	1	2	3	4	5	6
1	CAPITAL WORK-IN-PROGRESS					
2	Development of land	3434616.00			3434616.00	
3	Roads, bridges, culverts & helipads	766489972.50	39296035.58			805786008.08
4	Piling and foundation					
5	Buildings :					
6	Main plant		5538873.71	(5538873.71)		
7	Others		5573220.86			5573220.86
8	Temporary erection					
9	Water supply, drainage and sewerage system					
10	Hydraulic works, barrages, dams, tunnels and power channel					
11	MGR track and signalling system		507508.01	(507508.01)		
12	Railway siding					
13	Earth dam reservoir					
14	Plant and equipment	3062771009.11	3369523798.39	(957436209.25)	1084155353.44	4390703244.81
15	Furniture and fixtures					
16	Vehicles					
17	Office equipment					
18	EDP/WP machines & satcom equipment					
19	Construction equipments					
20	Electrical installations	11679156.63		(9138.15)		11670018.48
21	Communication equipment					
22	Hospital equipments					
23	Laboratory and workshop equipments					
24	Assets under 5Km Scheme of the GOI					
25	Capital expenditure on assets not owned by the company					
26	Expenditure towards development of coal mines					
27	Survey,Investigation,Consultancy & Supervision Cha	29089097.53				29089097.53
28	Difference in exchange on foreign currency loans					

1025

Note forming part of Balance Sheet
Note 3: Capital-Work-in-Progress
Business Area: FARAKKA SUPER THERMAL POWER STATION

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2022	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2023
	1	2	3	4	5	6
29	Expenditure towards diversion of forest land					
30	Pre-commissioning expenses (net)					
31	ExpPendAlloca-oth ex attribut Project					
32	Expenditure During Construction Period (net)*	473650324.79	199786793.93	(228034.00)		673209084.72
33	LESS : Allocated to related works		62808195.65			62808195.65
34	LESS : Provision for Unservicable works	893365842.51	48239623.91	(24762272.80)		916843193.62
35	**Construction stores (At Cost)**					
36	Steel	179278874.37	34913657.32	124151402.06		338343933.75
37	Cement	6146960.15	16065500.00	(14666067.84)		7546392.31
38	Others	216681131.88	29021647.65	(159183473.20)		86519306.33
39	**Sub-total**	**402106966.40**	**80000804.97**	**(49698138.98)**		**432409632.39**
40	LESS : Provision for shortages			467635.62		467635.62
41	**Sub-total**	**402106966.40**	**80000804.97**	**(50165774.60)**		**431941996.77**
42	**Total CWIP**	**3855855300.45**	**3589179215.89**	**(989123264.92)**	**1087589969.44**	**5368321281.98**
43						
44						
45	**PREVIOUS YEAR TOTAL**	**4896479080.57**	**1258607413.10**	**(1791002261.24)**	**617876362.51**	**3855855300.45**

1026

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet

(Amount in Rupees)

Note-4 Non Current Assets- Intangible Assets

Business Area :1024

Asset Class	Opening Gross Block As At 01.04.2022	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2023	Opening Depreciation As At 01.04.2022	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2023	Net Block As At 31.03.2023	Net Block As At 31.03.2022
INTANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 Right to Use- Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 -Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 -Software	1206445.86	336300.00	0.00	1542745.86	1206445.86	37366.67	0.00	1243812.53	298933.33	0.00
Grand Total (Intangible)	1206445.86	336300.00	0.00	1542745.86	1206445.86	37366.67	0.00	1243812.53	298933.33	0.00
Grand Total Prev Year (Intangible)	1232175.00	0.00	(25729.14)	1206445.86	986418.78	245756.22	(25729.14)	1206445.86	0.00	245756.22

1027

Note forming part of Balance Sheet
Note-4 Non Current Assets- Intangible Assets
Business Area :1024

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	InTangible As At: 31.03.2023	**InTangible As At: 31.03.2022**	**InTangible As At: 31.03.2023**	**InTangible As At: 31.03.2022**
Disposal of assets	0.00	0.00	0.00	0.00
Retirement of assets	0.00	(25729.14)	0.00	(25729.14)
Cost adjustments	0.00	0.00	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	0.00	0.00	0.00	0.00
Others	0.00	0.00	0.00	0.00
TOTAL	**0.00**	**(25729.14)**	**0.00**	**(25729.14)**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

(Amount in Rupees)

Note forming part of Balance Sheet
Note 5: Intangible Assets under Development
Business Area: FARAKKA SUPER THERMAL POWER STATION

Sl No	Asset Class	As At 01.04.2022	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2023
	1	2	3	4	5	6
1	INTANGIBLE ASSETS UNDER DEVELOPMENT					
2	Software					
3	Right to use Others					
4	Exploration and Evaluation Expentiture - Coal Mini					
5	Exploratory wells-in-progress					
6	**Less: Provision for exploratory wells-in-progress**					
7	**Total**					
8	**PREVIOUS YEAR TOTAL-I**					

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

1029

NOTE NO. 6 TO THE FS-NCA-EQUITY INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES (Amount in ₹)

	As at	No. of shares	Face value	31.03.2023	31.03.2022
001	**NON CURRENT INVESTMENTS-INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES**			**0.00**	**0.00**
012	**EQUITY INSTRUMENTS - UNQUOTED-(FULLY PAID UP UNLESS OTHERWISE STATED, AT COST)**			**0.00**	**0.00**
013	**SUBSIDIARY COMPANIES**			**0.00**	**0.00**
014	PATRATU VIDYUT UTPADAN NIGAM LTD.			0.00	0.00
015	NTPC ELECTRIC SUPPLY COMPANY LTD.			0.00	0.00
016	NTPC VIDYUT VYAPAR NIGAM LTD.			0.00	0.00
017	NABINAGAR POWER GENERATING COMPANY LTD.			0.00	0.00
018	KANTI BIJLEE UTPADAN NIGAM LTD.			0.00	0.00
019	BHARTIYA RAIL BIJLEE COMPANY LTD.			0.00	0.00
020	NTPC MINING LTD (NML)			0.00	0.00
021	THDC INDIA LTD.			0.00	0.00
022	NEEPCO LTD.			0.00	0.00
023	NTPC EDMC Waste Solutions Pvt Ltd			0.00	0.00
024	NTPC Renewables Energy Ltd			0.00	0.00
025	Ratnagiri Gas & Power Pvt. Limited (RGPPL)			0.00	0.00
026	NTPC Green Energy Limited			0.00	0.00
027	Green Valley Renewable Energy Limited			0.00	0.00
028				0.00	0.00
029				0.00	0.00
030	**SUB TOTAL**			**0.00**	**0.00**
055	**JOINT VENTURE COMPANIES**			**0.00**	**0.00**
056	Utility Powertech Ltd.			0.00	0.00
057	NTPC GE Power Services Pvt.Ltd.			0.00	0.00
058	NTPC-SAIL Power Company Ltd.			0.00	0.00
059	NTPC-Tamil Nadu Energy Company Ltd.			0.00	0.00

NOTE NO. 6 TO THE FS-NCA-EQUITY INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES (Amount in ₹)

	As at	No. of shares	Face value	31.03.2023	31.03.2022
060	Ratnagiri Gas & Power Pvt. Limited (RGPPL)			0.00	0.00
061	ARAVALI POWER COMPANY PRIVATE LTD.			0.00	0.00
062	Jhabua Power Ltd.			0.00	0.00
063	NTPC BHEL POWER PROJECTS PRIVATE LTD.			0.00	0.00
064	MEJA URJA NIGAM PRIVATE LIMITED			0.00	0.00
065	BF-NTPC ENERGY SYSTEMS LTD.			0.00	0.00
066				0.00	0.00
067	NABINAGAR POWER GENERATING COMPANY LTD.			0.00	0.00
068	TRANSFORMER AND ELECTRICAL KERALA LTD.			0.00	0.00
069	NATIONAL HIGH POWER TEST LABORTORY PRIVATE LTD.			0.00	0.00
070				0.00	0.00
071	CIL NTPC URJA PRIVATE LTD.			0.00	0.00
072	ANUSHAKTI VIDHYUT NIGAM LTD.			0.00	0.00
073	ENERGY EFFICIENCY SERVICES LTD.			0.00	0.00
074				0.00	0.00
075	TRINCOMALEE POWER COMPANY LTD.			0.00	0.00
076	BANGLADESH-INDIA FRIENDSHIP POWER COMPANY (PVT.) LTD.			0.00	0.00
077	HINDUSTAN URVARAK & RASAYAN LIMITED			0.00	0.00
078	KONKAN LNG LTD			0.00	0.00
081	**SUB TOTAL**			**0.00**	**0.00**
109	AGGREGATE AMOUNT OF IMPAIRMENT IN THE VALUE OF INVESTMENTS			0.00	0.00
110	TOTAL (NET OF IMPAIRMENT) OF JV			0.00	0.00
111	**Gross Total of Investments**			**0.00**	**0.00**
134	**Total**			**0.00**	**0.00**
135	Details of Investments			0.00	0.00
136	Aggregate amount of Unquoted Investments			0.00	0.00

NOTE NO. 6 TO THE FS-NCA-EQUITY INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES (Amount in ₹)

	As at	No. of shares	Face value	31.03.2023	31.03.2022
141				0.00	0.00
142				0.00	0.00
143				0.00	0.00
144				0.00	0.00
145				0.00	0.00
153	Valuation of Investments as per Note 1.			0.00	0.00
154				0.00	0.00
202				0.00	0.00
233				0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 7 TO THE FS-NCA-OTHER INVESTMENTS

(Amount in ₹)

	As at	No. of shares	Face value	31.03.2023	31.03.2022
001	Non-current financial assets (investments)			0.00	0.00
006	**Long Term - Trade**			**0.00**	**0.00**
007	**Equity Instruments (fully paid up-unless otherwise stated)**			**0.00**	**0.00**
008	**Quoted**			**0.00**	**0.00**
009	**JOINT VENTURE COMPANIES**			**0.00**	**0.00**
010	PTC India Ltd.			0.00	0.00
070	INTERNATIONAL COAL VENTURES PRIVATE LTD.			0.00	0.00
075	BF-NTPC ENERGY SYSTEMS LTD.			0.00	0.00
098	Jhabua Power Limited-8.5% Non convertible debentures - private placement			0.00	0.00
110	COOPERATIVE SOCIETIES			5,000.00	5,000.00
111				0.00	0.00
112	**SUB TOTAL**			**5,000.00**	**5,000.00**
113	AGGREGATE AMOUNT OF IMPAIRMENT IN THE VALUE OF INVESTMENTS			0.00	0.00
115	**TOTAL**			**5,000.00**	**5,000.00**
120				0.00	0.00
146	NTPC EMPLOYEES CONSUMERS AND THRIFT CO-OPERATIVE SOCIETY LTD. KORBA			0.00	0.00
147	NTPC EMPLOYEES CONSUMERS AND THRIFT COOPERATIVE SOCIETY LTD. RSTPP			0.00	0.00
148	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. FARAKKA			0.00	0.00
149	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. VINDHYACHAL			0.00	0.00
150	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. ANTA			0.00	0.00
151	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. KAWAS			0.00	0.00
152	NTPC Employees Consumers Cooperative Society Ltd. Kaniha			0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 8 TO THE FS-NCA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	Non-current financial assets - Trade receivables	0.00	0.00
002	UNSECURED, CONSIDERED GOOD	0.00	0.00
003	CREDIT IMPAIRED	0.00	0.00
004		0.00	0.00
006	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 9 TO THE FS-NCA-LOANS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**LOANS (NON CURRENT)**	**0.00**	**0.00**
004	RELATED PARTIES	0.00	0.00
005	SECURED	0.00	0.00
006	UN-SECURED	0.00	0.00
007	WITH SIGNIFICANT INCREASE IN CREDIT RISK	0.00	0.00
008	CREDIT IMPAIRED	0.00	0.00
009		0.00	0.00
010	EMPLOYEES(INCLUDING ACCRUED INTEREST)	0.00	0.00
011	SECURED	55,152,734.82	66,002,679.51
012	UNSECURED	43,911,462.06	51,508,187.01
013	WITH SIGNIFICANT INCREASE IN CREDIT RISK	0.00	0.00
014	CREDIT IMPAIRED	0.00	0.00
015	LESS : EMPLOYEE LOANS DISCOUNTING	0.00	0.00
016	SECURED	14,470,212.62	19,145,459.04
017	UNSECURED	7,569,691.90	8,127,377.07
018	LOAN TO STATE GOVERNMENT IN SETTLEMENT OF DUES FROM CUSTOMERS (UNSECURED)	0.00	0.00
019	OTHERS	0.00	0.00
020	SECURED	0.00	0.00
021	UNSECURED	0.00	0.00
022	WITH SIGNIFICANT INCREASE IN CREDIT RISK	0.00	0.00
023	CREDIT IMPAIRED	0.00	0.00
024	LESS: ALLOWANCE FOR CREDIT IMPAIRED LOANS	0.00	0.00
026	**SUB TOTAL**	**77,024,292.36**	**90,238,030.41**
027		0.00	0.00
028	**TOTAL**	**77,024,292.36**	**90,238,030.41**
029		0.00	0.00
030		0.00	0.00
031	**Due from Directors and Officers of the Company**	**0.00**	**0.00**
032	Directors	0.00	0.00
033	Officers	0.00	0.00
034		**0.00**	**0.00**
035	**Loans to related parties include:**	**0.00**	**0.00**
036	i)Key management personel	0.00	0.00
037	ii)Subsidiary companies	0.00	0.00
038	iii)Joint Venture companies	0.00	0.00
039	iv)Others	0.00	0.00
040		**0.00**	**0.00**
055	Other loans represent loans given to	0.00	0.00
056	a) APIIC	0.00	0.00
061		0.00	0.00
062	RPD	0.00	0.00
063	i)Key management personel	0.00	0.00

NOTE NO. 9 TO THE FS-NCA-LOANS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
064	ii)Subsidiary companies	0.00	0.00
065	iii)Joint Venture companies	0.00	0.00
066	iv)Others	0.00	0.00
067	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 10 TO THE FS-NCA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**Other Financial Assets (non current)**	**0.00**	**0.00**
002		0.00	0.00
003	**Share application money pending allotment in (Subsidiary Companies) :**	**0.00**	**0.00**
004	NTPC Electric Supply Company Ltd.	0.00	0.00
005	NTPC Vidyut Vyapar Nigam Ltd.	0.00	0.00
006	Nabinagar Power Generating Company Ltd.	0.00	0.00
007	Kanti Bijlee Utpadan Nigam Ltd.	0.00	0.00
008	Bhartiya Rail Bijlee Company Ltd.	0.00	0.00
009	Patratu Vidyut Utpadan Nigam Ltd.	0.00	0.00
010	NTPC Mining Limited	0.00	0.00
011	THDC Ltd.	0.00	0.00
012	NEEPCO Ltd	0.00	0.00
013		0.00	0.00
014	**Total**	**0.00**	**0.00**
015	**Share application money pending allotment (Joint Venture)**	**0.00**	**0.00**
016	Utility Powertech Ltd.	0.00	0.00
017	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
018	NTPC-SAIL Power Company Ltd.	0.00	0.00
019	NTPC-Tamil Nadu Energy Company Ltd.	0.00	0.00
020	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
021	Aravali Power Company Private Ltd.	0.00	0.00
022		0.00	0.00
023	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
024	Meja Urja Nigam Private Limited	0.00	0.00
025	BF-NTPC Energy Systems Ltd.	0.00	0.00
026	Anushakti Vidhyut Nigam Ltd.	0.00	0.00
027	Nabinagar Power Generating Company Ltd.	0.00	0.00
028	Energy Efficiency Services Ltd.	0.00	0.00
029	National High Power Test Labortory Private Ltd.	0.00	0.00
030		0.00	0.00
031	CIL NTPC Urja Private Ltd.	0.00	0.00
032	Trincomalee Power Company Ltd.	0.00	0.00
033	Hindustan Urvarak & Rasayan Limited	0.00	0.00
034	Bangladesh-India Friendship Power Company Private Ltd.	0.00	0.00
035	**Sub Total**	**0.00**	**0.00**
036		0.00	0.00
037	Claims Recoverable	0.00	0.00
038	Finance Lease Recoverable	0.00	0.00
039	Mine Closure Deposit	0.00	0.00
040	Financial Deposit	0.00	0.00
041		0.00	0.00
042	**Total**	**0.00**	**0.00**

(Amount in ₹)

	As at	31.03.2023	31.03.2022
010		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**Other Non-current Assets**	**0.00**	**0.00**
002		**0.00**	**0.00**
003	**CAPITAL ADVANCES**	**0.00**	**0.00**
004	SECURED	0.00	0.00
005	Unsecured	0.00	0.00
006	COVERED BY BANK GUARANTEE	638,419,563.09	803,882,814.50
007	OTHERS	337,632,553.79	129,099,319.17
008	CONSIDERED DOUBTFUL	176,846,876.71	176,846,876.71
009	LESS: ALLOWANCE FOR BAD & DOUBTFUL ADVANCES	176,846,876.71	176,846,876.71
010	**Sub-Total**	**976,052,116.88**	**932,982,133.67**
011		0.00	0.00
012	Advances other than capital advances	0.00	0.00
013	SECURITY DEPOSITS	1,934,000.00	1,934,000.00
019	Advances to Related parties	0.00	0.00
022	**Advances to Contractors & Suppliers**	**0.00**	**0.00**
023	SECURED	0.00	0.00
024	UNSECURED	0.00	0.00
025	CONSIDERED DOUBTFUL	1,125,700,000.00	1,125,700,000.00
026	LESS: ALLOWANCE FOR BAD & DOUBTFUL ADVANCES	1,125,700,000.00	1,125,700,000.00
027	**Sub Total**	**1,934,000.00**	**1,934,000.00**
028	RECEIVABLE FROM MCP ESCROW A/C	0.00	0.00
029	Pre Paid expenses	0.00	0.00
039	ADVANCE TAX & TAX DEDUCTED AT SOURCE	3,444,384.76	1,569,077.16
040	LESS:- PROVISION FOR CURRENT TAX	0.00	0.00
041		0.00	0.00
042	**Sub Total**	**3,444,384.76**	**1,569,077.16**
043	DEFERRED PAYROLL EXPENSES (SECURED)	11,688,456.37	16,146,218.22
044	DEFERRED PAYROLL EXPENSES (UNSECURED)	5,323,860.82	5,711,848.15
045	**Sub Total**	**17,012,317.19**	**21,858,066.37**
046	DEFERRED FOREIGN CURRENCY FLUCTUATION ASSET	0.00	0.00
049		0.00	0.00
050	**Total**	**998,442,818.83**	**958,343,277.20**
051		0.00	0.00
052		0.00	0.00
062	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
064		0.00	0.00
065	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
066		0.00	0.00
067	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
068	Aravali Power Company Private Ltd.	0.00	0.00
069	NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
070	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
071	Meja Urja Nigam Private Limited	0.00	0.00
072	Nabinagar Power Generating Company Ltd.	0.00	0.00
073	National High Power Test Labortory Private Ltd.	0.00	0.00
075	CIL NTPC Urja Private Ltd.	0.00	0.00
077		0.00	0.00
078	**Related Party (Adv)**	**0.00**	**0.00**
079	Key Management personel	0.00	0.00
080	Subsidiary companies	0.00	0.00
081	Joint Venture companies	0.00	0.00
082	Contractors	0.00	0.00
083	Others	0.00	0.00
085		0.00	0.00
086	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 12 TO THE FS-CA-INVENTORIES **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**INVENTORIES**	**0.00**	**0.00**
002		**0.00**	**0.00**
003	Coal	1,698,791,164.75	958,300,110.20
004	Fuel oil	266,064,636.42	463,908,700.10
005	Naphtha	0.00	0.00
006	Stores and spares	2,770,514,770.63	2,494,368,415.08
007	Chemicals & consumables	186,608,330.09	182,385,443.73
008	Loose tools	8,698,294.04	12,061,559.61
009	Steel Scrap	1,892,099.23	1,324,238.73
010	Others	935,333,700.30	853,600,068.83
011		0.00	0.00
012	**Sub Total**	**5,867,902,995.46**	**4,965,948,536.28**
013	Less: Provision for shortages	85,548,877.87	262,148,841.49
014	Less: Provision for obsolete/ unservicable/dimunition in value of surplus inventory	140,111,520.15	122,527,861.15
016		0.00	0.00
017	**Total**	**5,642,242,597.44**	**4,581,271,833.64**
018	**Inventories include material in transit**	**0.00**	**0.00**
019	Coal	614,211,499.60	339,028,977.71
020	Fuel oil	0.00	0.00
021	Naphtha	0.00	0.00
022	Stores and spares	11,757,937.78	14,377,306.32
023	Chemicals & consumables	93,260.50	2,366,732.71
024	Loose tools	0.00	0.00
025	Others	6,651,074.12	6,315,567.12
026		**0.00**	**0.00**
028	Inventory items other than steel scrap have been valued considering Note 1.	0.00	0.00

NOTE NO. 13 TO THE FS-CA-OTHER INVESTMENTS

(Amount in ₹)

	As at	No. of shares	Face value	31.03.2023	31.03.2022
001	**CURRENT INVESTMENTS**			**0.00**	**0.00**
002	**(Valuation as per Note 1)**			**0.00**	**0.00**
003	Jhabua Power Limited-8.5% Non convertible debentures - private placement			0.00	0.00
033	Investment in Mutual Funds (Details as under)			0.00	0.00
034	SBI-Magnum Insta Cash Fund-DDR			0.00	0.00
035	SBI Premier Liquid Fund Super-IP-DDR			0.00	0.00
036	SBI-SHF Ultra Short Term Fund-IP-DDR			0.00	0.00
037	UTI Money Market- IP-Direct-Growth			0.00	0.00
038	IDBI-Liquid plan- Direct-Growth			0.00	0.00
039	Canara Robeco Liquid Fund Super-IP-DDR			0.00	0.00
040	Canara Robeco Treasury Advantage Fund Super-IP-DDR			0.00	0.00
041	IDBI Liquid Fund-DDR			0.00	0.00
042	SBI Premier Liquid fund-Direct DDR (Ash Fund)			0.00	0.00
043	UTI Liquid CashPlan - IP - DDR (Ash Funds)			0.00	0.00
044	IDBI Liquid Fund - DDR - (Ash Funds)			0.00	0.00
045	Baroda Liquid Fund - Direct - Growth			0.00	0.00
046				0.00	0.00
047	**Sub Total**			**0.00**	**0.00**
048				**0.00**	**0.00**
052	**Unquoted Investments**			**0.00**	**0.00**
054				0.00	0.00
066	**TOTAL**			**0.00**	**0.00**
067				0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 14 TO THE FS-CA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**TRADE RECEIVABLES (current)***	**0.00**	**0.00**
002		0.00	0.00
003	Secured,Considered Good	0.00	0.00
004	Unsecured , considered good	2,880,182.19	765,678.02
005	Credit impaired	0.00	0.00
006	Unbilled Revenue	0.00	0.00
007	**Sub-Total**	**2,880,182.19**	**765,678.02**
008	**Total**	**2,880,182.19**	**765,678.02**
009	Less: Allowance for credit impaired receivables	0.00	0.00
010	**Total**	**2,880,182.19**	**765,678.02**
012	Less: Discom Clearing	0.00	0.00
014		0.00	0.00
015	**Grand Total**	**2,880,182.19**	**765,678.02**
016	Other Unsecured	0.00	0.00
017	Long-term trade receivables	0.00	0.00
018	TCS Clearing	0.00	0.00
019	Discom Clearing	0.00	0.00
228	**Trade Receivable**	**0.00**	**0.00**
230	Not due	0.00	0.00
231	Due	0.00	0.00
232	(i) Undisputed Trade receivables # considered good	2,880,182.19	765,678.02
233	(ii) Undisputed Trade Receivables # which have significant increase in credit risk	0.00	0.00
234	(iii) Undisputed Trade Receivables # credit impaired	0.00	0.00
235	(iv) Disputed Trade Receivables#considered good	0.00	0.00
236	(v) Disputed Trade Receivables # which have significant increase in credit risk	0.00	0.00
237	(vi) Disputed Trade Receivables # credit impaired	0.00	0.00
238	Unbilled	0.00	0.00
239	**Total**	**2,880,182.19**	**765,678.02**
240		0.00	0.00
241	**(i) Undisputed Trade receivables # considered good**	**0.00**	**0.00**
242	Less than 6 months	1,714,567.15	193,794.70
243	6 months -1 year	436,952.02	101,920.35
244	1-2 years	295,715.05	395,926.97
245	2-3 years	407,468.81	0.00
246	More than 3 years	25,479.16	74,036.00
247	**Sub Total (I)**	**2,880,182.19**	**765,678.02**
248	**(ii) Undisputed Trade Receivables # which have significant increase in credit risk**	**0.00**	**0.00**
249	Less than 6 months	0.00	0.00
250	6 months -1 year	0.00	0.00
251	1-2 years	0.00	0.00
252	2-3 years	0.00	0.00

NOTE NO. 14 TO THE FS-CA-TRADE RECEIVABLES (Amount in ₹)

	As at	31.03.2023	31.03.2022
253	More than 3 years	0.00	0.00
254	**Sub Total (II)**	**0.00**	**0.00**
255	**(iii) Undisputed Trade Receivables -credit impaired**	**0.00**	**0.00**
256	Less than 6 months	0.00	0.00
257	6 months -1 year	0.00	0.00
258	1-2 years	0.00	0.00
259	2-3 years	0.00	0.00
260	More than 3 years	0.00	0.00
261	**Sub Total (III)**	**0.00**	**0.00**
262		0.00	0.00
263	**(iv) Disputed Trade Receivables#considered good**	**0.00**	**0.00**
264	Less than 6 months	0.00	0.00
265	6 months -1 year	0.00	0.00
266	1-2 years	0.00	0.00
267	2-3 years	0.00	0.00
268	More than 3 years	0.00	0.00
269	**Sub Total (IV)**	**0.00**	**0.00**
270	**(v) Disputed Trade Receivables # which have significant increase in credit risk**	**0.00**	**0.00**
271	Less than 6 months	0.00	0.00
272	6 months -1 year	0.00	0.00
273	1-2 years	0.00	0.00
274	2-3 years	0.00	0.00
275	More than 3 years	0.00	0.00
276	**Sub Total (V)**	**0.00**	**0.00**
277	**(vi) Disputed Trade Receivables # credit impaired**	**0.00**	**0.00**
278	Less than 6 months	0.00	0.00
279	6 months -1 year	0.00	0.00
280	1-2 years	0.00	0.00
281	2-3 years	0.00	0.00
282	More than 3 years	0.00	0.00
283	**Sub Total (VI)**	**0.00**	**0.00**
284	**Total**	**-5,760,364.38**	**-1,531,356.04**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 15 TO THE FS-CA-CASH AND CASH EQUIVALENTS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**CASH & BANK BALANCES**	**0.00**	**0.00**
002	**Cash & Cash Equivalents**	**0.00**	**0.00**
003	Balances with Banks	0.00	0.00
004	Cheques & Drafts on hand	0.00	12,209.00
005	Cash on hand	0.00	0.00
006	Others (stamps in hand)	0.00	0.00
007	Bank deposits with original maturity upto three months	0.00	0.00
008	Balances with RBI	0.00	0.00
009		0.00	0.00
011	**Total**	**0.00**	**12,209.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 16 TO THE FS-CA-BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS (Amount in ₹)

	As at	31.03.2023	31.03.2022
001	**Other Bank Balances**	**0.00**	**0.00**
002	Deposits with original maturity of more than three months but not more than twelve months	0.00	0.00
003	Earmarked balances with banks*	0.00	0.00
004	**SubTotal**	**0.00**	**0.00**
005	Interest accrued on deposits	0.00	0.00
006		0.00	0.00
008	**Total**	**0.00**	**0.00**
009		0.00	0.00
010	**Earmarked balances with banks consist of :**	**0.00**	**0.00**
011	Unpaid dividend account balance	0.00	0.00
012	Towards public deposit repayment reserve	0.00	0.00
013	Towards redemption of bonds due for repayment within one year	0.00	0.00
014	Security with Government/other authorities	0.00	0.00
015	Unpaid refund/interest account balance - Tax free bonds/ Bonus Debentures	0.00	0.00
016	Earmarked for RGGVY/DDUGJY/SAUBHAGYA Fund	0.00	0.00
017	Earmarked for Flyash Utilisation Reserve Fund	0.00	0.00
018	Deposits with original maturity upto three months as per court orders	0.00	0.00
019	Payment Security Scheme of MNRE NSM (NTPC)	0.00	0.00
020	Payment Security Scheme of MNRE NSM (NVVN)	0.00	0.00
021	Enforcement Directorate of Solar Plant(NVVN)	0.00	0.00
022	Bank guarantee Fund of MNRE (NVVN)	0.00	0.00
023	Others	0.00	0.00
024	Margin Money	0.00	0.00
025		0.00	0.00
026		0.00	0.00
027	**Sub-total**	**0.00**	**0.00**
031	**Total**	**0.00**	**0.00**
032		0.00	0.00
033	Bank deposits with original maturity of less than three months- other than earmarked	0.00	0.00
034	Bank deposits with original maturity of more than three months but not more than twelve months- other than earmarked	0.00	0.00
035	Earmarked bank balances (current account)	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 17 TO THE FS-CA-LOANS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**Current financial assets - Loans**	**0.00**	**0.00**
002	**Loans (current)-including interest accrued**	**0.00**	**0.00**
004	**Related Parties**	**0.00**	**0.00**
005	Secured	0.00	0.00
006	Un-Secured	0.00	0.00
007	With significant increase in Credit Risk	0.00	0.00
008	Credit impaired	0.00	0.00
009		**0.00**	**0.00**
010	**Employees**	**0.00**	**0.00**
011	Secured	16,148,293.64	17,629,623.81
012	Unsecured	56,192,394.39	62,430,309.65
013	With significant increase in Credit Risk	0.00	0.00
014	Credit impaired	0.00	0.00
015	Less : Employee Loans Discounting	0.00	0.00
016	**Loan to State Government in settlement of dues from customers (Unsecured)**	**0.00**	**0.00**
017		0.00	0.00
018	**Others**	**0.00**	**0.00**
019	Secured	0.00	0.00
020	Unsecured	0.00	0.00
021	With significant increase in Credit Risk	0.00	0.00
022	Credit impaired	0.00	0.00
023		**0.00**	**0.00**
024	Less: Allowance for credit impaired loans	0.00	0.00
026		0.00	0.00
027	**Total (Loans)**	**72,340,688.03**	**80,059,933.46**
028		**0.00**	**0.00**
029	**Due from Directors and Officers of the Company**	**0.00**	**0.00**
030	Directors	0.00	0.00
031	Officers	0.00	0.00
032		**0.00**	**0.00**
033	**Loans to related parties include:**	**0.00**	**0.00**
034	i)Key management personel	0.00	0.00
035	ii)Subsidiary companies	0.00	0.00
036	KBUNL	0.00	0.00
037	RGPPL	0.00	0.00
038	NVVN	0.00	0.00
039	iii)Joint Venture companies	0.00	0.00
040	iv)others	0.00	0.00
041		0.00	0.00
060	RPD	0.00	0.00
061	i)Key management personel	0.00	0.00
062	ii)Subsidiary companies	0.00	0.00
063	iii)Joint Venture companies	0.00	0.00
064	iv)Others	0.00	0.00
065		0.00	0.00

NOTE NO. 17 TO THE FS-CA-LOANS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
066	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**Other Financial Assets (current)**	**0.00**	**0.00**
002		0.00	0.00
003	**ADVANCES**	**0.00**	**0.00**
004		**0.00**	**0.00**
005	**Related Parties**	**0.00**	**0.00**
006	Secured	0.00	0.00
007	Un-Secured	-3,420,052.65	-6,422,744.58
008	Considered doubtful	0.00	0.00
009		**0.00**	**0.00**
010	**Employees**	**0.00**	**0.00**
012	Unsecured	3,430,585.65	4,275,570.49
013	Considered Doubtful	100,553.00	0.00
014		**0.00**	**0.00**
020	**Others**	**0.00**	**0.00**
021	Secured	0.00	0.00
022	Unsecured	5,000,000.00	5,000,000.00
023	Considered Doubtful	0.00	0.00
024		**0.00**	**0.00**
025	Less: Allowance for bad & doubtful advances	100,553.00	100,553.00
026		**0.00**	**0.00**
033	**Total (Advances)**	**5,010,533.00**	**2,752,272.91**
044		**0.00**	**0.00**
045	**Claims Recoverable**	**0.00**	**0.00**
046	Secured	0.00	0.00
047	Unsecured, considered good	685,044.99	1,002,694.55
048	Considered Doubtful	0.00	0.00
049	Less:- Allowance for doubtful claims	0.00	0.00
050	Others-Claims Recoverable	0.00	0.00
051		**0.00**	**0.00**
052	Contract Asset- Revenue	405,136,373.00	163,447,496.99
053	Hedging cost recoverable from beneficiaries	0.00	0.00
054	Derivative MTM Asset	0.00	0.00
055	Finance Lease Receivable	0.00	0.00
056	Mine Closure Deposit	0.00	0.00
057	Financial Deposit	0.00	0.00
059	**Other Accrued Income**	**0.00**	**0.00**
060	Secured,Considered Good	0.00	0.00
061	Unsecured , considered good	11,391,134.73	56,150,892.67
062	Credit impaired	0.00	0.00
063		0.00	0.00
064	**Sub-Total**	**11,391,134.73**	**56,150,892.67**
065	Less: Allowance for credit impaired receivables	0.00	0.00
066	**Total**	**11,391,134.73**	**56,150,892.67**
067		0.00	0.00
068	Others*	0.00	0.00
070		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
071	**Total**	**422,223,085.72**	**223,353,357.12**
072	* Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00
073	**Advances to related parties include:**	**0.00**	**0.00**
074	i)Key management personel	0.00	0.00
075		0.00	0.00
076	iii)Joint Venture companies	0.00	0.00
077		0.00	0.00
078	v)Others	0.00	0.00
079		**0.00**	**0.00**
080	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
081	Related Party (Adv)- Employee	0.00	0.00
082	Related Party (Adv)- Subsidiaries	-3,420,052.65	-6,422,744.58
083	Related Party (Adv)- Joint Ventures	0.00	0.00
084		0.00	0.00
085	Related Party (Adv)- Others	0.00	0.00
086		0.00	0.00
099		0.00	0.00
100		0.00	0.00
101	**Total**	**-3,420,052.65**	**-6,422,744.58**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**OTHER CURRENT ASSETS**	**0.00**	**0.00**
002	Security Deposits (Unsecured)	0.00	0.00
003	Deposit with Customs, port trust & others*	5,000,655,458.00	5,000,655,458.00
004	**ADVANCES**	**0.00**	**0.00**
005		**0.00**	**0.00**
006	**Related Parties**	**0.00**	**0.00**
007	Secured	0.00	0.00
008	Un-Secured	0.00	0.00
009	Considered doubtful	0.00	0.00
010		**0.00**	**0.00**
011	**Employees(including imprest)**	**0.00**	**0.00**
012	Secured	0.00	0.00
013	Unsecured	588,568.40	36,000.00
014	Considered Doubtful	0.00	0.00
015		**0.00**	**0.00**
016	**Contractors & Suppliers**	**0.00**	**0.00**
017	Secured	0.00	0.00
018	Unsecured	3,021,670,318.88	3,860,782,439.23
019	Considered Doubtful	655,458.00	655,458.00
020		0.00	0.00
021	**Others****	**0.00**	**0.00**
022	Secured	0.00	0.00
023	Unsecured	14,904,675.55	15,590,470.37
024	Considered Doubtful	0.00	0.00
025	Less: Allowance for bad & doubtful advances	655,458.00	655,458.00
026	Receivable from MCP Escrow A/c	0.00	0.00
027	Deferred Payroll Expenses (Secured)	2,112,831.14	2,756,853.34
028	Deferred Payroll Expenses (Unsecured)	3,191,000.68	3,624,736.95
029	**Sub-total**	**5,303,831.82**	**6,381,590.29**
030	**Interest accrued on :**	**0.00**	**0.00**
031	Advances to contractors	0.00	0.00
032		**0.00**	**0.00**
033	**Claims Recoverable**	**0.00**	**0.00**
034	Secured	0.00	0.00
035	Unsecured, considered good	9,368,105,551.77	11,507,533,736.94
036	Considered Doubtful	0.00	0.00
037	Less:- Allowance for doubtful claims	0.00	0.00
038		**0.00**	**0.00**
039	Deferred premium on forward exchange contract/ Option Assets	0.00	0.00
041		0.00	0.00
042	Others	243,755.75	5,770,617.39
043		0.00	0.00
045	**Total (Other Current Assets)**	**17,411,472,160.17**	**20,396,750,312.22**
046	**Include Prepaid Expenses	14,857,183.55	15,542,978.37
047	*Includes sales tax/Entry tax/VAT deposited under protest with Sales Tax Authorities	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
048	*Includes deposited with courts	0.00	0.00
049	*Includes deposited with LIC for annuity payments	0.00	0.00
050	* Includes deposits with WRD / against BG in r/o finance lease	0.00	0.00
051	Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00
053	**Advances to related parties include:**	**0.00**	**0.00**
054	i)Key management personel	0.00	0.00
055	ii)Subsidiary companies	0.00	0.00
056	iii)Joint Venture companies	0.00	0.00
057	Contractors	0.00	0.00
058	Others	0.00	0.00
059		0.00	0.00
060	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
061		**0.00**	**0.00**
062		0.00	0.00
063	Related Party (Adv)- Employee	0.00	0.00
064	Related Party (Adv)- Subsidiaries	0.00	0.00
065	Related Party (Adv)- Joint Venture	0.00	0.00
066		0.00	0.00
067		0.00	0.00
068	**Total**	**0.00**	**0.00**
069		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 20 TO THE FS--REGULATORY DEFERRAL ACCOUNT DEBIT BALANCES **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	On account of Exchange Differences	-28,238,680.10	-36,973,816.03
002	On account of employee benefit exp	128,504,135.71	539,717,370.00
003	Regulatory deferred account - deferred	0.00	0.00
004	Deferred asset for ash transportation	0.00	7,047,258,809.33
005	Deferred asset for Arbitration Award	0.00	0.00
008		0.00	0.00
009	**Total**	**100,265,455.61**	**7,550,002,363.30**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 21 TO THE FS-EQUITY-EQUITY SHARE CAPITAL **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**SHARE CAPITAL**	**0.00**	**0.00**
002	**Equity Share Capital**	**0.00**	**0.00**
003	**Authorised**	**0.00**	**0.00**
004	16,60,00,00,000 equity shares of Rs.10/- each (Previous year 10,000,000,000 equity shares of Rs.10/- each)	0.00	0.00
005	**Issued,Subscribed and fully Paid-up**	**0.00**	**0.00**
006	9,69,66,66,134 equity shares of Rs.10/- (Pv. Year 9,894,557,280 equity shares of Rs.10/- each)	0.00	0.00
007		**0.00**	**0.00**
008	**Total**	**0.00**	**0.00**
009	During FY 2018-19, the company has issued 1,649,092,880 equity shares of Rs.10/- each as fully paid bonus shares	0.00	0.00
010	The holders of the equity shares are entitled to receive dividends as declared from time to time, and are entitled to one vote per share at meetings of the company.	0.00	0.00
011	Details of shareholders holding more than 5% shares in the company	0.00	0.00
012	- President of India	0.00	0.00
013	No. of Shares	0.00	0.00
014	% of holding	0.00	0.00
015	- Life Insurance Corporation of India/ICICI Prudential Mutual Fund	0.00	0.00
016	No. of Shares	0.00	0.00
017	% of holding	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	RESERVE AND SURPLUS	0.00	0.00
002		**0.00**	**0.00**
003	**Capital Reserve**	**0.00**	**0.00**
004	As per last financial statements	0.00	0.00
006	Add : Grants received during the year	0.00	0.00
007	Add: Transfer from Surplus	0.00	0.00
008	Less: Write back during the year/period	0.00	0.00
009	Less: Adjustments during the year/period	0.00	0.00
010	**SUB-TOTAL**	**0.00**	**0.00**
011		0.00	0.00
017		0.00	0.00
018	**SECURITIES PREMIUM ACCOUNT**	**0.00**	**0.00**
019	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
020	ADD: ADDITIONS DURING THE YEAR/PERIOD	0.00	0.00
021	LESS: ADJUSTMENTS DURING THE YEAR/PERIOD	0.00	0.00
022	**SUB-TOTAL**	**0.00**	**0.00**
023	**BONDS REDEMPTION RESERVE**	**0.00**	**0.00**
024	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
025	ADD: TRANSFER FROM SURPLUS	0.00	0.00
026	LESS: TRANSFER TO SURPLUS ON REDEMPTION	0.00	0.00
027	LESS: ADJUSTMENTS DURING THE YEAR/ PERIOD	0.00	0.00
028	**SUB-TOTAL**	**0.00**	**0.00**
029	**CAPITAL REDEMPTION RESERVE**	**0.00**	**0.00**
030	As per last financial statements	0.00	0.00
031	Add: Transfer from Surplus	0.00	0.00
032	Less: Transfer to surplus on redemption	0.00	0.00
033	Less: Adjustments during the year/ period	0.00	0.00
034	**Sub-Total**	**0.00**	**0.00**
035	**Share Application money pending Allotment**	**0.00**	**0.00**
036	As per last financial statements	0.00	0.00
037	Add: Addition during the year	0.00	0.00
038	Less: Utlised for allotment during the year	0.00	0.00
039	Less: Adjustments during the year/ period	0.00	0.00
040	**SUB-TOTAL**	**0.00**	**0.00**
046	**FLY-ASH UTILISATION RESERVE FUND**	**0.00**	**0.00**
047	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
048	TRANSFERRED TO CC	0.00	0.00
049	ADD:TRANSFER FROM REVENUE FROM OPERATIONS	94,206,248.07	129,610,828.24
050	ADD:TRANSFER FROM OTHER INCOME	0.00	0.00
051	LESS: UTILISED DURING THE YEAR	0.00	0.00
052	TANGIBLE ASSETS	0.00	0.00
053	EMPLOYEE BENEFIT EXPENSES	0.00	0.00
054	GENERATION,ADMN. AND OTHER EXPENSES	94,206,248.07	129,610,828.24

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
055	TAX EXPENSES	0.00	0.00
056	**SUB-TOTAL**	**0.00**	**0.00**
057	Self Insurance Reserve	0.00	0.00
058	As per last financial statements	0.00	0.00
059	Add: Addition during the year	0.00	0.00
060	Less: Utlised for allotment during the year	0.00	0.00
061	Less: Adjustments during the year/ period	0.00	0.00
062	SUB-TOTAL	0.00	0.00
063	**SPECIAL ALLOWANCE RESERVE FUND**	**0.00**	**0.00**
064	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
065	ADD: ADDITION DURING THE YEAR	0.00	0.00
066	LESS: UTLISED FOR ALLOTMENT DURING THE YEAR	0.00	0.00
067	LESS: ADJUSTMENTS DURING THE YEAR/ PERIOD	0.00	0.00
068	**SUB-TOTAL**	**0.00**	**0.00**
069	**CORPORATE SOCIAL RESPONSIBILITY (CSR) RESERVE**	**0.00**	**0.00**
070	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
071	ADD : TRANSFER FROM SURPLUS	0.00	0.00
072	LESS:-WRITE BACK DURING THE YEAR	0.00	0.00
073	**SUB-TOTAL**	**0.00**	**0.00**
074	**GENERAL RESERVE**	**0.00**	**0.00**
075	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
076	ADD: TRANSFER FROM SURPLUS	0.00	0.00
077	LESS: TRANSFER TO SURPLUS	0.00	0.00
078	LESS: WRITE BACK DURING THE YEAR /PERIOD	0.00	0.00
079	LESS: ADJUSTMENTS DURING THE YEAR /PERIOD	0.00	0.00
080	**SUB-TOTAL**	**0.00**	**0.00**
081		**0.00**	**0.00**
082	**RETAINED EARNINGS**	**0.00**	**0.00**
083	AS PER LAST FINANCIAL STATEMENTS	86,399,028,589.88	83,427,871,711.36
084	ADD(LESS):-CHANGES IN ACCOUNTING POLICY / PRIOR PERIOD ERRORS	0.00	0.00
085	ADD(LESS):-PROFIT (LOSS) AFTER TAX FOR THE YEAR FROM STATEMENT OF PROFIT & LOSS	6,499,837,790.00	2,971,156,878.52
087	ADD: WRITE BACK FROM BOND REDEMPTION RESERVE	0.00	0.00
088	ADD: WRITE BACK FROM CAPITAL RESERVE	0.00	0.00
089	ADD: WRITE BACK FROM FOREIGN PROJECT RESERVE	0.00	0.00
090	ADD: WRITE BACK FROM CSR RESERVE	0.00	0.00
091	ADD: WRITE BACK FROM GENERAL RESERVE	0.00	0.00
093	LESS: TRANSFER TO BONDS REDEMPTION RESERVE	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
094	LESS: TRANSFER TO SPECIAL ALLOWANCE RESERVE FUND	0.00	0.00
095	LESS: TRANSFER TO FOREIGN PROJECT RESERVE	0.00	0.00
096	LESS:TRANSFER TO CAPITAL RESERVE	0.00	0.00
097	LESS:TRANSFER TO CSR RESERVE	0.00	0.00
098	LESS:TRANSFER TO GENERAL RESERVE	0.00	0.00
099	LESS:INTERIM DIVIDEND PAID	0.00	0.00
100	LESS:TAX ON INTERIM DIVIDEND PAID	0.00	0.00
101	LESS:FINAL DIVIDEND PAID	0.00	0.00
102	LESS:TAX ON FINAL DIVIDEND PAID	0.00	0.00
103	LESS: ISSUE OF BONUS DEBENTURE	0.00	0.00
104	LESS: TAX ON ISSUE OF BONUS DEBENTURE	0.00	0.00
105	**SUB-TOTAL**	**92,898,866,379.88**	**86,399,028,589.88**
110		0.00	0.00
111	**REMEASUREMENT OF DEFINED BENEFIT PLANS**	**0.00**	**0.00**
112	AS PER LAST FINANCIAL STATEMENTS	-293,955,682.82	-278,442,069.76
113	ADD/(LESS):- ACTUARIAL GAINS/LOSS THROUGH OCI	-34,665,395.21	-15,513,613.06
114	**SUB-TOTAL**	**-328,621,078.03**	**-293,955,682.82**
115		0.00	0.00
116	**FVTOCI Reserve**	**0.00**	**0.00**
117	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
118	ADD(LESS):-NET GAIN/LOSS OF EQUITY INSTRUMENTS THROUGH OCI	0.00	0.00
119	**Sub-Total**	**0.00**	**0.00**
120		**0.00**	**0.00**
121	**Total Other equity**	**92,570,245,301.85**	**86,105,072,907.06**
122		0.00	0.00
123		0.00	0.00
124		0.00	0.00
125		0.00	0.00
126		0.00	0.00
127		0.00	0.00
128		0.00	0.00

(Amount in ₹)

As at	31.03.2023	31.03.2022

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 23 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**LONG TERM BORROWINGS**	**0.00**	**0.00**
002	**Bonds**	**0.00**	**0.00**
003	**Secured**	**0.00**	**0.00**
004	7.37 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3A).	0.00	0.00
005	7.62 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3 B).	0.00	0.00
006	8.61% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2034 (Fifty First Issue C - Private Placement)	0.00	0.00
007	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3A)	0.00	0.00
008	8.91% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3B)	0.00	0.00
009	7.37% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 14th December 2031 (Sixty Sixth Issue - Private Placement)	0.00	0.00
010	7.49% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 7th November 2031 (Sixty Fourth Issue - Private Placement)	0.00	0.00
011	7.28 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series	0.00	0.00

	As at	31.03.2023	31.03.2022
	2A)		
012	7.53 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series 2 B).	0.00	0.00
013	7.32% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 17 July 2029 (Sixty Ninth Issue - Private Placement)	0.00	0.00
014	8.63% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2029 (Fifty First Issue B - Private Placement)	0.00	0.00
015	8.30% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 15 January 2029 (Sixty Seventh Issue - Private Placement)	0.00	0.00
016	8.48% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2A)	0.00	0.00
017	8.73% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2B)	0.00	0.00
018	7.47% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 16th September 2026 (Sixty Third Issue - Private Placement)	0.00	0.00
019	7.58% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in	0.00	0.00

	As at	31.03.2023	31.03.2022
	full on 23rd August 2026 (Sixty Second Issue - Private Placement)		
020	8.05% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 5th May 2026 (Sixtieth Issue - Private Placement)	0.00	0.00
021	8.19% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 15th December 2025 (Fifty Seventh Issue - Private Placement)	0.00	0.00
022	7.11 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1A).	0.00	0.00
023	7.36 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1 B).	0.00	0.00
024	7.15% Tax free secured non-cumulative non-convertible redeemable bonds - 2015 of Rs. 10,00,000/- each redeemable at par in full on 21st August 2025 (Fifty Fifth Issue - Private Placement)	0.00	0.00
025	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 22nd September 2024 (53rd Issue - private placement).	0.00	0.00
026	9.34% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 24th March 2024 (Fifty Second Issue - private placement)	0.00	0.00
027	8.19% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 10,00,000/- each redeemable at	0.00	0.00

	As at	31.03.2023	31.03.2022
	par in full on 4th March 2024 (Fifty First Issue A - Private Placement)		
028	8.41% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (Fiftieth Issue - Public Issue - Series 1A)	0.00	0.00
029	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (Fiftieth Issue - Public Issue - Series 1B)	0.00	0.00
030	9.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 4th May 2023 and ending on 4th May 2027 (Forty fourth issue - private placement)VII	0.00	0.00
031	8.48% Secured non-cumulative non-nonvertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 1st May 2023 (Seventeenth issue - private placement)I	0.00	0.00
032	8.80% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th April 2023 (Forty ninth issue -private placement	0.00	0.00
033	8.49% Secured non-cumulative non-convertible redeemable taxable fully paid-up bonus debentures of Rs. 12.50 each redeemable at par in three annual installments of Rs. 2.50, Rs. 5.00 and Rs. 5.00 at the end of 8th year, 9th year and 10th year on 25th March 2023, 25th March 2024 and 25th March 2025 respectively (Fifty Fourth Issue -Bonus Debentures)X - (refer Note 5 d)	0.00	0.00
034	8.73% Secured non-cumulative	0.00	0.00

	As at	31.03.2023	31.03.2022
	non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 07th March 2023 (Forty eighth issue - private placement)		
035	9.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 25th January 2023 and ending on 25th January 2027 (Forty second issue- private placement)III	0.00	0.00
036	8.84% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th October 2022 (Forty seventh issue- private placement)VII	0.00	0.00
037	7.93% Secured non-cumulative non-convertible redeemable taxable bonds of ` 10,00,000/- each redeemable at par in full on 03 May 2022 (68th Issue - Private Placement)	0.00	0.00
038	6.72% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 24th November 2021 (Sixty Fifth Issue - Private Placement)	0.00	0.00
039	8.10% Secured Non-Cumulative Non-Convertible Redeemable Taxable Bonds of Rs. 30,00,000/- each redeemable at par in three equal separately transferable redeemable principal parts (STRPP) at the end of 5th year, 10th year & 15th year on 27th May 2021, 27th May 2026 and 27th May 2031 respectively (Sixty First Issue- Private Placement)	0.00	0.00
040	8.33% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 24th February 2021	0.00	0.00

	As at	31.03.2023	31.03.2022
	(Fifty Ninth Issue - Private Placement).		
042	8.93% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 19th January 2021 Thirty seventh issue - private placement)III	0.00	0.00
043	8.18% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 31st December 2020 (Fifty Eight Issue - Private Placement).	0.00	0.00
044	8.73 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 31st March 2020 (Thirty third issue- private placement)III	0.00	0.00
045	8.78 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 9th March 2020 (Thirty first issue- private placement)III	0.00	0.00
046	11.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in five equal annual installments commencing from 6th Nov 2019 and ending on 6th Nov 2023 (Twenty seventh issue - private placement)III	0.00	0.00
047	7.89% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 5th May 2019 (Thirtieth issue - private placement)III	0.00	0.00
048	8.65% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th February 2019 (Twenty ninth issue - private placement)III	0.00	0.00
049	7.50% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full	0.00	0.00

	As at	31.03.2023	31.03.2022
	on 12th January 2019 (Nineteenth issue - private placement)II		
050	11% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 21st November 2018 (Twenty eighth issue - private placement)III	0.00	0.00
051	9.3473% Secured non-cumulative non-convertible redeemable taxable bonds of ₹15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 20th July 2018 and ending on 20th July 2032 (Forty sixth issue - private placement)VII	0.00	0.00
052	9.4376% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 16th May 2018 and ending on 16th May 2032 (Forty fifth issue - private placement)VII	0.00	0.00
053	8.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 10th April 2018 (Sixteenth issue -private placement)I	0.00	0.00
054	9.2573% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 2nd March 2018 and ending on 2nd March 2032 (Forty third issue - private placement)III	0.00	0.00
055	9.6713% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

	As at	31.03.2023	31.03.2022
	of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 23rd December 2017 and ending on 23rd December 2031 (Forty first issue - private placement)III		
056	9.558% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 29th July 2017 and ending on 29th July 2031(Fourtieth issue-private placement)III	0.00	0.00
057	9.3896% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 9th June 2017 and ending on 9th June 2031(Thirty ninth issue-private placement)III	0.00	0.00
058	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 22nd March 2017 and ending on 22nd March 2031(Thirty eighth issue-private placement)III	0.00	0.00
059	8.8086% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th	0.00	0.00

	As at	31.03.2023	31.03.2022
	year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th December 2016 and ending on 15th December 2030 (Thirty sixth issue - private placement)III		
060	8.785% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th September 2016 and ending on 15th September 2030 (Thirty fifth issue - private placement)III	0.00	0.00
061	8.71% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 10th June 2016 and ending on 10th June 2030 (Thirty fourth issue - private placement)III	0.00	0.00
062	8.8493% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 25th March 2016 and ending on 25th March 2030 (Thirty second issue - private placement)III	0.00	0.00
063	9.37% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty fifth issue -	0.00	0.00

	As at	31.03.2023	31.03.2022
	private placement)III		
065	9.06% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty sixth issue - private placement)III	0.00	0.00
066	8.6077% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 9th September 2011 and ending on 9th March 2021 (Twenty fourth issue - private placement)IV	0.00	0.00
067	8.3796% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 5th August 2011 and ending on 5th February 2021 (Twenty third issue - private placement)IV	0.00	0.00
068	8.1771% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd July 2011 and ending on 2nd January 2021 (Twenty second issue - private placement)IV	0.00	0.00
069	7.7125% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd August 2010 and ending on 2nd February 2020 (Twenty first issue - private placement)V	0.00	0.00
070	7.552% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

	As at	31.03.2023	31.03.2022
	of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 23rd September 2009 and ending on 23rd March 2019 (Twentieth issue - private placement)VI		
071	9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each with ten equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of the 6th year and in annual installments thereafter upto the end of 15th year respectively from 30th April 2002 (Thirteenth issue - Part B - private placement)VIII	0.00	0.00
072	9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each redeemable at par in ten equal annual installments commencing from the end of 6th year and upto the end of 15th year respectively from 18th April 2002 (Thirteenth issue -Part A - private placement)VIII	0.00	0.00
075		0.00	0.00
076		0.00	0.00
077	**Sub Total**	**0.00**	**0.00**
078	**Unsecured**	**0.00**	**0.00**
079	6.55% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 17 April 2023 (Seventieth Issue - Private Placement)	0.00	0.00
080	6.29% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 11 April 2031 (Seventy First Issue - Private Placement)	0.00	0.00
081	5.45% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 15 October 2025 (Seventy Second Issue - Private Placement)	0.00	0.00
082	6.43% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in	0.00	0.00

	As at	31.03.2023	31.03.2022
	full on 27 January 2031 (Seventy Third Issue - Private Placement)		
083	6.87% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 21 April 2036 (Seventy Fourth Issue - Private Placement)	0.00	0.00
084	6.69% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 13 September 2031 (Seventy Fifth Issue - Private Placement)	0.00	0.00
085	6.74% Unsecured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 14 April 2032 (Seventy Sixth Issue - Private Placement)	0.00	0.00
086	5.78% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 29 April 2024 (Seventy Seventh Issue - Private Placement)	0.00	0.00
087	7.44% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 25 August 2032 (Seventy Eighth Issue - Private Placement)	0.00	0.00
088	7.44% Unsecured non-cumulative non-convertible redeemable taxable bonds of ` 10,00,000/- each redeemable at par in full on 15 April 2033 (Seventy Ninth Issue - Private Placement)	0.00	0.00
089		0.00	0.00
090	**Sub-total**	**0.00**	**0.00**
091	**Total**	**0.00**	**0.00**
092	**Foreign Currency Notes-Unsecured**	**0.00**	**0.00**
093	4.50% Fixed Rate Notes Due for repayment on 19th March 2028	0.00	0.00
094	2.75% Fixed rate notes due for repayment on 1st February 2027	0.00	0.00
095	4.25 % Fixed rate notes due for repayment on 26th February 2026	0.00	0.00
096	4.375% Fixed Rate Note due for repayment on 26th November 2024	0.00	0.00
097	4.75 % Fixed Rate Notes due for repayment on 3rd Oct 2022	0.00	0.00
098	7.25 % Fixed green global INR denominated bonds due on 3 May 2022	0.00	0.00
099	7.375 % Fixed green global INR denominated bonds due on 10 August 2021	0.00	0.00
100	5.625% Fixed Rate Notes due for repayment on	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 23 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
	14th July 2021		
101	3.75 % Fixed rate notes due for repayment on 03 April 2024	0.00	0.00
102		0.00	0.00
103		0.00	0.00
104		0.00	0.00
105	**Sub Total**	**0.00**	**0.00**
106	**Term Loans**	**0.00**	**0.00**
107	**From Banks**	**0.00**	**0.00**
108	**Secured**	**0.00**	**0.00**
109	Rupee Loans	0.00	0.00
110	**Unsecured**	**0.00**	**0.00**
111	Foreign Currency Loans	0.00	0.00
112	Rupee Loans	0.00	0.00
113	**From Others**	**0.00**	**0.00**
114	**Secured**	**0.00**	**0.00**
115	Rupee Loans	0.00	0.00
116	Foreign Currency loans (guaranteed by GOI)	0.00	0.00
117	**Unsecured**	**0.00**	**0.00**
118	Foreign Currency loans (guaranteed by GOI)	0.00	0.00
119	Other Foreign currency loans	0.00	0.00
121	Rupee Loans	0.00	0.00
122	**Deposits**	**0.00**	**0.00**
123	**Unsecured**	**0.00**	**0.00**
124	Fixed Deposits	0.00	0.00
125	**Others**	**0.00**	**0.00**
126	**Unsecured**	**0.00**	**0.00**
127	Bonds Application Money Pending Allotment	0.00	0.00
128	**Sub-total**	**0.00**	**0.00**
129	**Total**	**0.00**	**0.00**
130	Less:- Interst accrued but not due on secured borrowings	0.00	0.00
131	Less:- Interst accrued but not due on unsecured borrowings	0.00	0.00
132	Less:- Current maturities of long term borrowings	0.00	0.00
133	Bonds-Secured	0.00	0.00
134	Fixed Rate Notes	0.00	0.00
136	Foreign currency loans from Banks- unsecured	0.00	0.00
137	Rupee loans from banks- Secured	0.00	0.00
138	Rupee loans from banks- unsecured	0.00	0.00
139	Rupee Term loan from Others - Secured	0.00	0.00
140	Foreign currency loans from others- unsecured (Guaranteed by GOI)	0.00	0.00
141	Other foreign currency loans from others- unsecured	0.00	0.00
142	Rupee loans from others- unsecured	0.00	0.00
143		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 23 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
144		0.00	0.00
145		0.00	0.00
146		0.00	0.00
147		0.00	0.00
148		0.00	0.00
149		0.00	0.00
150		0.00	0.00
151		0.00	0.00
201	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 23A TO THE FS-NCL-LEASE BORROWINGS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**Non-current financial liabilities - Lease liabilities**	**0.00**	**0.00**
002	**Lease liabilities**	**0.00**	**0.00**
003	Long term maturities of Finance Lease Liabilities (Secured) IX	0.00	0.00
004	Long term maturities of Finance Lease Liabilites (Unsecured) X	791,217,554.75	790,809,138.47
005	**Sub-Total**	**791,217,554.75**	**790,809,138.47**
006	**Less: current maturities of lease liabilities**	**0.00**	**0.00**
007	Finance Lease obligations - secured	0.00	0.00
008	Finance Lease obligations - unsecured	775,040,701.75	775,037,617.86
009	**Sub-Total**	**775,040,701.75**	**775,037,617.86**
011	**Total**	**16,176,853.00**	**15,771,520.61**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 24 TO THE FS-NCL-TRADE PAYABLES **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**TRADE PAYABLES(NON CURRENT)**	**0.00**	**0.00**
002	**For Goods and Services**	**0.00**	**0.00**
003	- Micro & Small Enterprises	71,846.94	197,098.06
004	- Others	492,932.54	2,257,111.55
005		0.00	0.00
007	**Total**	**564,779.48**	**2,454,209.61**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 25 TO THE FS-NCL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**OTHER FINANCIAL LIABILITIES (NON-CURRENT)**	**0.00**	**0.00**
002	Payable for Capital Expenditure	0.00	0.00
003	- Micro & Small Enterprises	0.00	0.00
004	- Others	414,837.29	53,107,639.17
005	Others	0.00	0.00
006	Deposits from contractors and others	0.00	0.00
007		0.00	0.00
008		0.00	0.00
010	**Total**	**414,837.29**	**53,107,639.17**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 26 TO THE FS-NCL-PROVISIONS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**LONG TERM PROVISIONS**	**0.00**	**0.00**
002	**Provision for Employee Benefits**	**0.00**	**0.00**
003	Opening Balance	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	0.00
005	**Closing Balance**	**0.00**	**0.00**
006		0.00	0.00
007	**Others**	**0.00**	**0.00**
008	**i) Mine Closure Provision**	**0.00**	**0.00**
009	Opening Balance	0.00	0.00
010	Additions during the year	0.00	0.00
011	Amounts adjusted during the year	0.00	0.00
012	Amounts reversed during the year	0.00	0.00
013	**Closing Balance**	**0.00**	**0.00**
014		0.00	0.00
015	**ii) Stripping Activity Adjustments**	**0.00**	**0.00**
016	Opening Balance	0.00	0.00
017	Additions during the year	0.00	0.00
018	Amounts adjusted during the year	0.00	0.00
019	Amounts reversed during the year	0.00	0.00
020	**Closing Balance**	**0.00**	**0.00**
021		0.00	0.00
024		0.00	0.00
026	**TOTAL**	**0.00**	**0.00**

NOTE NO. 27 TO THE FS-NCL-DEFERRED TAX LIABILITIES (NET) **(Amount in ₹)**

	As at	Open Balance on 01.04.2022	Addition	Closing Balance on 31.03.2023
001	**DEFERRED TAX LIABILITIES (NET)**			
002	Difference of book depreciation and tax depreciation	0.00	0.00	0.00
003	Less: Deferred tax assets			
004	Provisions & Other disallowances for tax purposes	0.00	0.00	0.00
005	Unabsorbed Depreciation	0.00	0.00	0.00
006	Disallowances u/s 43B of the Income Tax Act, 1961	0.00	0.00	0.00
007	Others	0.00	0.00	0.00
008	Opening Balance	0.00	0.00	0.00
009	Additions during the year	0.00	0.00	0.00
010	Amounts adjusted during the year	0.00	0.00	0.00
011	Amounts reversed during the year	0.00	0.00	0.00
012	Closing Balance	0.00	0.00	0.00
013	MAT credit entitlement	0.00	0.00	0.00
014	**Total**	**0.00**	**0.00**	**0.00**
016		0.00	0.00	0.00
017	**Total**	**0.00**	**0.00**	**0.00**
018	Breakup of deferred tax assets	0.00	0.00	0.00
019	Provision	0.00	0.00	0.00
020	Statutory dues	0.00	0.00	0.00
021	Leave encashment	0.00	0.00	0.00
022	Others	0.00	0.00	0.00
023		0.00	0.00	0.00
024		0.00	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 28 TO THE FS-NCL-OTHER NON-CURRENT LIABILITIES **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	Other Non current Liabilities	0.00	0.00
002	Advances from customers and others	0.00	0.00
003	Deposits from contractors and others	0.00	0.00
004	Grants	0.00	0.00
006		0.00	0.00
007	**TOTAL**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 29 TO THE FS-CL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**Short Term Borrowings**	**0.00**	**0.00**
002	**Loans repayable on demand**	**0.00**	**0.00**
003	**From Banks**	**0.00**	**0.00**
004	**Secured**	**0.00**	**0.00**
005	Cash Credit	0.00	0.00
006	**Unsecured**	**0.00**	**0.00**
007	Cash Credit	0.00	0.00
008	**Other loans-unsecured**	**0.00**	**0.00**
009	Commercial Papers	0.00	0.00
010	Less: Unamortised discount on Commercial Papers	0.00	0.00
011	**Sub-Total**	**0.00**	**0.00**
012	**Current maturity of long term borrowings**	**0.00**	**0.00**
013	Bonds-Secured	0.00	0.00
014	Foreign Currency Fixed Rate Notes	0.00	0.00
015	**From Banks**	**0.00**	**0.00**
016	**Secured**	**0.00**	**0.00**
017	Rupee Term Loan	0.00	0.00
018	Foreign currency loans	0.00	0.00
019	**Unsecured**	**0.00**	**0.00**
020	Foreign currency loans	0.00	0.00
021	Rupee term loans	0.00	0.00
022	**From Others**	**0.00**	**0.00**
023	**Secured**	**0.00**	**0.00**
024	Rupee Term Loan	0.00	0.00
025	**Unsecured**	**0.00**	**0.00**
026	Foreign currency loans (Guaranteed by Government of India)	0.00	0.00
027	Other foreign currency loans	0.00	0.00
028	Rupee term loans	0.00	0.00
029	Fixed deposits	0.00	0.00
031	Sub Total	0.00	0.00
032		0.00	0.00
034	**TOTAL**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 29A TO THE FS-CL-LEASE BORROWINGS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**Current financial liabilities - Lease liabilities**	**0.00**	**0.00**
002	Current maturity of finance lease obligations (secured)	0.00	0.00
003	Current maturity of finance lease obligations (unsecured)	775,040,701.75	775,037,617.86
005	**Total**	**775,040,701.75**	**775,037,617.86**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 30 TO THE FS-CL-TRADE PAYABLES **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**TRADE PAYABLES**	**0.00**	**0.00**
002	For Goods and Services	0.00	0.00
003	- Micro & Small Enterprises	178,256,804.02	522,265,498.18
004	- Others	6,575,246,915.92	8,832,200,925.56
005		0.00	0.00
007	**Total**	**6,753,503,719.94**	**9,354,466,423.74**
008		0.00	0.00
172	**Trade payable**	**0.00**	**0.00**
173	**MSME**	**0.00**	**0.00**
174	Unbilled	42,729,654.58	311,919,837.56
175	Not due	135,527,149.44	210,345,660.62
176	**Due**	**0.00**	**0.00**
177	Disputed	0.00	0.00
178	Undisputed	0.00	0.00
179		0.00	0.00
180	**Sub-total (A)**	**178,256,804.02**	**522,265,498.18**
181		0.00	0.00
182	**Others**	**0.00**	**0.00**
183	Unbilled	1,449,324,683.70	2,626,589,335.08
184	Not due	2,411,639,278.03	779,095,364.81
185	**Due**	**2,714,282,954.19**	**5,426,516,226.00**
186	Disputed	0.00	0.00
187	Undisputed	2,714,282,954.19	5,426,516,226.00
188		0.00	0.00
189	**Sub-total (B)**	**6,575,246,915.92**	**8,832,200,925.89**
190		0.00	0.00
191	**Total**	**6,753,503,719.94**	**9,354,466,424.07**
192		0.00	0.00
193	**Ageing**	**0.00**	**0.00**
194	**MSME**	**0.00**	**0.00**
195	**Disputed**	**0.00**	**0.00**
196	Less than 1 year	0.00	0.00
197	1-2 years	0.00	0.00
198	2-3 years	0.00	0.00
199	More than 3 years	0.00	0.00
200	**Sub Total (I)**	**0.00**	**0.00**
201		0.00	0.00
202	**Undisputed**	**0.00**	**0.00**
203	Less than 1 year	0.00	0.00
204	1-2 years	0.00	0.00
205	2-3 years	0.00	0.00
206	More than 3 years	0.00	0.00
207	**Sub Total (II)**	**0.00**	**0.00**
208		0.00	0.00
209	**Total MSME (III)**	**0.00**	**0.00**
210		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 30 TO THE FS-CL-TRADE PAYABLES **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
211	**Others**	**0.00**	**0.00**
212	**Disputed**	**0.00**	**0.00**
213	Less than 1 year	0.00	0.00
214	1-2 years	0.00	0.00
215	2-3 years	0.00	0.00
216	More than 3 years	0.00	0.00
217	**Sub Total (IV)**	**0.00**	**0.00**
218		0.00	0.00
219	**Undisputed**	**0.00**	**0.00**
220	Less than 1 year	4,760,564,546.15	945,696,871.50
221	1-2 years	373,448,817.65	624,324,452.30
222	2-3 years	84,366,001.61	1,350,862,575.00
223	More than 3 years	1,356,867,550.51	2,505,632,327.00
224	**Sub Total (V)**	**6,575,246,915.92**	**5,426,516,225.80**
225		0.00	0.00
226	**Total Others (VI)**	**6,575,246,915.92**	**5,426,516,225.80**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**OTHER FINANCIAL LIABILITIES (CURRENT)**	**0.00**	**0.00**
020	Interest accrued but not due on Unsecured Short Term Borrowing	0.00	0.00
021	Interest accrued but not due on secured borrowings	0.00	0.00
022	Interest accrued but not due on unsecured borrowings	0.00	0.00
023	Unpaid Dividends*	0.00	0.00
024	Unpaid matured deposits and interest accrued thereon*	0.00	0.00
025	Unpaid matured bonds and interest accrued thereon*	0.00	0.00
026	Unpaid bond refund money-Tax free bonds *	0.00	0.00
027	Book Overdraft	0.00	0.00
028	Payable to Customers	0.00	0.00
029	Liability under forward exchange contact	0.00	0.00
030	Hedging cost payable to beneficiaries	0.00	0.00
031	Derivative MTM Liability	0.00	0.00
032	**Payable for Capital Expenditure**	**0.00**	**0.00**
033	- Micro & Small Enterprises	17,054,770.37	97,303,966.78
034	- Others	1,176,743,241.26	1,039,254,426.36
035	**Others Payables**	**0.00**	**0.00**
036	Deposits from contractors and others	67,965,797.33	61,982,427.65
037	Gratuity Obligations	0.00	0.00
038	Payable to employees	38,612,727.50	35,159,843.00
039	Payable to holding company	0.00	0.00
040	Retention on A/c BG encashment (Solar)	0.00	0.00
041	Payable to Solar Payment Security Account	0.00	0.00
042	Others **	18,904,827.41	21,729,896.00
043	Unspent CSR balance on ongoing Approved CSR projects	0.00	0.00
045		0.00	0.00
046		0.00	0.00
047	**Total**	**1,319,281,363.87**	**1,255,430,559.79**
048	* Represents the amounts which have not been claimed by the investor/holders of the bonds/fixed deposits. Out of the above, no amount is due for payment to Investor Education and Protection Fund.	0.00	0.00
049	** Include Payable to Hospital and other payable.	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 32 TO THE FS-CL-OTHER CURRENT LIABILITIES **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**OTHER CURRENT LIABILITIES**	**0.00**	**0.00**
002	Advances from customers and others	85,639,698.58	91,437,030.17
003	Deferred discount on forward exchange contact	0.00	0.00
004	Tax deducted at source and other statutory dues	529,737,321.92	220,081,209.55
005	Deposits from contractors and others	0.00	0.00
006	Government grants	0.00	0.00
007	Others	0.00	0.00
009		0.00	0.00
010		0.00	0.00
011	**Total**	**615,377,020.50**	**311,518,239.72**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 33 TO THE FS-CL-PROVISIONS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**SHORT TERM PROVISIONS**	**0.00**	**0.00**
002	**Provision for Employee Benefits**	**0.00**	**0.00**
003	Opening balance	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	0.00
005	**Closing Balance**	**0.00**	**0.00**
028	**Provisions for Obligations Incidental to Land Acquisition**	**0.00**	**0.00**
029	Opening balance	0.00	0.00
030	Additions during the year	0.00	0.00
031	Amounts paid during the year	0.00	0.00
032	Amounts reversed during the year	0.00	0.00
033	**Closing Balance**	**0.00**	**0.00**
035	**Provision for Tariff Adjustment**	**0.00**	**0.00**
036	Opening balance	0.00	0.00
037	Additions during the year	0.00	0.00
038	Amounts adjusted during the year	0.00	0.00
039	Amounts reversed during the year	0.00	0.00
040	**Closing Balance**	**0.00**	**0.00**
042	**Provision for shortage in Fixed Assets Pending Investigation & Others**	**0.00**	**0.00**
043	Opening balance	0.00	3,130,973.83
044	Additions during the year	9,457,152.98	-3,130,973.83
045	Amounts adjusted during the year	0.00	0.00
046	Amounts reversed during the year	0.00	0.00
047	**Closing Balance**	**9,457,152.98**	**0.00**
048	**Provision for Arbitration**	**0.00**	**0.00**
049	Opening balance	383,746,035.25	382,087,804.19
050	Additions during the year	1,658,231.06	1,658,231.06
051	Amounts used during the year	0.00	0.00
052	Amounts reversed during the year	0.00	0.00
053	**Closing Balance**	**385,404,266.31**	**383,746,035.25**
054	**Others**	**0.00**	**0.00**
055	Opening balance	0.00	0.00
056	Additions during the year	0.00	0.00
057	Amounts used during the year	0.00	0.00
058	Amounts reversed during the year	0.00	0.00
059	**Closing Balance**	**0.00**	**0.00**
102		0.00	0.00
104	**Total**	**394,861,419.29**	**383,746,035.25**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 34 TO THE FS-CL-CURRENT TAX LIABILITIES (NET) **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**Current liabilities - current tax liabilities (net)**	**0.00**	**0.00**
002	Opening balance	0.00	0.00
003	Additions during the year	0.00	0.00
004	Amounts adjusted during the year	0.00	0.00
005	Less: Set off against taxes paid	0.00	0.00
007		0.00	0.00
008	**Closing Balance**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 35 TO THE FS--DEFERRED REVENUE **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**Deferred Revenue**	**0.00**	**0.00**
002	On account of advance against depreciation	0.00	0.00
003	On account of income from foreign currency fluctuation	0.00	-8,123,000.00
004	Government grants	0.00	0.00
007		0.00	0.00
008		0.00	0.00
009	**TOTAL**	**0.00**	**-8,123,000.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 36 TO THE FS--REGULATORY DEFERRAL ACCOUNT CREDIT BALANCES **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	Regulatory deferral account credit balances	0.00	0.00
002	Exchange Differences	0.00	0.00
003		0.00	0.00
005	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 37 TO THE FS--REVENUE FROM OPERATIONS **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
001	**REVENUE FROM OPERATIONS**	**0.00**	**0.00**
002	**Sales**	**0.00**	**0.00**
003	Energy Sales (including Electricity Duty)	71,031,494,260.30	48,624,649,796.34
004	Less : Advance against depreciation deferred (net)	0.00	0.00
005	Add: Revenue recognized out of advance against depreciation	0.00	0.00
006	Add : Exchange fluctuation receivable from customers	0.00	0.00
007	Sale of energy through trading	0.00	0.00
008	Commission (NVVN)	0.00	0.00
009	**Sub total**	**71,031,494,260.30**	**48,624,649,796.34**
010	Less: Rebate to customers	253,845,295.50	212,786,749.91
011	**Energy Sales (Total)**	**70,777,648,964.80**	**48,411,863,046.43**
012	Consultancy, project management and supervision fees	124,163,860.94	38,134,840.50
013	Lease rentals on assets on Operating lease	0.00	0.00
014	Sale of Captive Coal	0.00	0.00
015	Intra Company Elimination	0.00	0.00
017	**Sub-total**	**0.00**	**0.00**
018	**Total - Sales**	**70,901,812,825.74**	**48,449,997,886.93**
019	Sale of fly ash/ash products	94,206,248.27	129,610,828.24
020	Less: Transferred to fly ash utilisation reserve fund	-94,206,248.27	-129,610,828.24
021	**Sub-total**	**0.00**	**0.00**
022	**Other Operating Income**	**0.00**	**0.00**
023	Interest from customers	2,986,891,545.00	313,825,523.00
024	Energy Internally Consumed *	35,123,834.00	41,887,020.08
025	Interest income on Assets under finance lease	0.00	0.00
026	Recognized from deferred revenue - government grant	0.00	0.00
027	Provision written back- Tariff Adjustment	0.00	0.00
028	Income form Trading of ESCerts	0.00	0.00
029	Income from E-Mobility Business & others	0.00	0.00
030	Others	0.00	0.00
032		0.00	0.00
033		0.00	0.00
034	**Total**	**73,923,828,204.74**	**48,805,710,430.01**
040	* Valued at variable cost of generation and corresponding amount included in power charges (Note No. 42)	0.00	0.00
041	Excise duty on sale of flyash,cenospere & ash products	0.00	0.00
042	Energy sales of principal nature (NVVN)	0.00	0.00
043	Energy sales of agency nature (NVVN)	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
001	**OTHER INCOME**	**0.00**	**0.00**
002	**Interest from**	**0.00**	**0.00**
004	**Financial assets at amortised cost**	**0.00**	**0.00**
005	Government Securities (8.5% Tax Free Bonds issued by the State Goverments)	0.00	0.00
006	Other Bonds	0.00	0.00
007	Non current Trade Receivable	0.00	0.00
008	Interest from Government of India Securties-Non-Trade	0.00	0.00
009	Less: Amortziation of premium	0.00	0.00
010	**Sub Total**	**0.00**	**0.00**
011	Interest from others	0.00	0.00
012	Loan to State Government in settlement of dues from customers	0.00	0.00
013	Loan to Subsidiary Companies	0.00	0.00
014	Loan to Employees	13,136,310.70	15,583,937.01
015	Deposit with banks	0.00	0.00
016	Foreign Banks	0.00	0.00
017	Interest from Contractors	617,350.00	14,644,825.00
018	Interest from Income Tax Refunds	0.00	0.00
019	Less : Refundable to Customers	0.00	0.00
020	**Sub Total**	**0.00**	**0.00**
021	Deposits with banks-flyash utilisation reserve fund	0.00	0.00
022	Less: transferred to flyash utilisation reserve fund	0.00	0.00
023	**Sub Total**	**0.00**	**0.00**
024	Deposits with banks- DDUGJY funds	0.00	0.00
025	Interest from Contractors- DDUGJY funds	0.00	0.00
026	Transfer to DDUGJY-Advance from customers	0.00	0.00
027	Sub-total	0.00	0.00
030	Others	0.00	0.00
031	Other investments in Joint venture companies	0.00	0.00
032	**Dividend from**	**0.00**	**0.00**
033	**Longterm investments in**	**0.00**	**0.00**
034	Subsidiaries	0.00	0.00
035	Joint Ventures	0.00	0.00
036	Equity Instruments	0.00	0.00
037	**Current Investments in**	**0.00**	**0.00**
038	Mutual Funds measured at fairvalue through profit or loss	0.00	0.00
039	Current investments in mutual funds-flyash utilisation reserve fund	0.00	0.00
040	Less: transferred to flyash utilisation reserve fund	0.00	0.00
041	Lease Rent # Ash Brick Plant	0.00	0.00
042	Less: transferred to flyash utilisation reserve fund	0.00	0.00
043	Other non-operating income	0.00	0.00
044	Profit on disposal of PPE	26,205,614.67	58,297,538.05
045	Profit on redemption of GOI securities	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
046	Net gain on sale of investments	0.00	0.00
047	Surcharge received from customers	69,722,965.00	-2,676,665.00
048	Hire charges for equipment	0.00	0.00
049	Gain on option contract / Discount on F.ExchContract	0.00	0.00
050	Provision written back-others	240,053,515.47	26,432,600.90
051	Fair value gains/(losses) on investments in mutual funds at fair value through profit or loss	0.00	0.00
052	Interest from Solar payment security account	0.00	0.00
053	Less : Transferred to SPSA fund	0.00	0.00
054	Interest on "Retention on A/c BG encashment (Solar)"	0.00	0.00
055	Less : Transferred to "Retention on A/c BG encashment (Solar)"	0.00	0.00
056	Miscellaneous Income	203,581,057.90	90,079,553.45
057	**Total**	**553,316,813.74**	**202,361,789.41**
058	Less:Transferred to Development of Coal Mines-Note 43A	0.00	0.00
059	Less:Transferred to Expenditure during Construction period (net)- Note 43	170,538.88	120,660.81
060	Less: Others	0.00	0.00
061	Less:Transferred to payable to Govt. of Jharkhand	0.00	0.00
063		0.00	0.00
064		0.00	0.00
065	**Total**	**553,146,274.86**	**202,241,128.60**
066		0.00	0.00
067	**Details of Miscellaneous Income**	**0.00**	**0.00**
068	Vehicle Hire Charges.	156,000.00	154,000.00
069	Sale of by products & residuals	0.00	0.00
070	Township recoveries(exl. Hospital Recoveries).	20,670,822.64	19,259,297.01
071	Depreciation written back	0.00	0.00
072	Sale of Scrap.	29,561,085.73	24,375,475.94
073	Receipt under loss of profit policy.	0.00	0.00
074	Receipts under MBD/Fire Policy.	100,368,027.00	0.00
075	Management development programme.	0.00	0.00
076	Management Fee - Misc (NVVN)	0.00	0.00
077	Others	52,825,122.53	46,290,780.50
078		0.00	0.00
079	**Total (Miscellaneous Income)**	**203,581,057.90**	**90,079,553.45**
080		0.00	0.00
081	**Details of Provision written back others**	**0.00**	**0.00**
082	Doubtful debts	0.00	0.00
083	Doubtful Loans, Advances and Claims	0.00	0.00
084	Doubtful Construction Advances	0.00	0.00
085	Shortage in Construction Stores	0.00	0.00
086	Shortage in Stores	210,848,864.67	23,454,146.42
087	Obsolescence in Stores	4,442,378.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
088	Unserviceable capital works	24,762,272.80	0.00
089	Other Obligation including Arbitration	0.00	0.00
090	Shortage in Fixed Assets	0.00	2,978,454.48
091	Diminution in value of Investment	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38A TO THE FS--FUEL COST **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
001	**FUEL COST**	**0.00**	**0.00**
002	Coal	0.00	0.00
003	Captive	0.00	0.00
004	Other than captive	45,976,087,407.38	35,890,196,968.24
005	Gas	0.00	0.00
006	Naptha	0.00	0.00
007	Oil	581,589,961.68	643,510,012.13
008	Biomass Pellets & Others	0.00	643,736.00
009		0.00	0.00
010	**Total**	**46,557,677,369.06**	**36,534,350,716.37**
011		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 39 TO THE FS--EMPLOYEE BENEFITS EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
001	**EMPLOYEE BENEFITS EXPENSE**	**0.00**	**0.00**
002	Salaries and wages	1,996,911,486.92	2,092,338,735.37
003	Contribution to provident and other funds	268,823,600.99	293,675,159.58
004	Unwinding of deferred payroll expense	10,329,236.16	11,653,721.87
005	Staff welfare expenses	251,472,330.01	259,024,583.33
006	Less : Expenses transferred to Consultancy group	0.00	0.00
007		0.00	0.00
008	**Sub Total**	**2,527,536,654.08**	**2,656,692,200.15**
009	Less: Employee benefits expense allocated to fuel inventory	177,722,654.14	207,996,244.99
010	Less: Transferred/Allocated to development of coal mines	0.00	0.00
011	Less: Others	0.00	0.00
012	Less: Transferred to fly ash utilisation reserve fund	0.00	0.00
013	Less: Transferred to CSR Expenses	0.00	0.00
014	Reimbursements for employees on secondment	0.00	0.00
015	Less: Transferred to expenditure during construction period (net)- Note 43	49,348,866.13	42,575,163.52
016	Less: Transfer to Govt of Jharkhand A/c as recoverable	0.00	0.00
018		0.00	0.00
019	**TOTAL**	**2,300,465,133.81**	**2,406,120,791.64**
020	**Managerial Remuneration paid/ payable to Directors included above (except for Directors fee which is included in Note 42)**	**0.00**	**0.00**
021	Salaries and wages	0.00	0.00
022	Contribution to provident and other funds	0.00	0.00
023	Staff welfare expenses	0.00	0.00
024	Directors fee	0.00	0.00
025		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 40 TO THE FS--FINANCE COSTS **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
001	**FINANCE COSTS**	**0.00**	**0.00**
002	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
003	Bonds	440,916,938.96	435,827,343.52
004	Government of India Loans	0.00	0.00
005	Foreign currency term loans	32,553,478.18	9,704,811.98
006	Rupee term loans	275,305,378.00	235,661,072.00
007	Public deposits	0.00	0.00
008	Foreign currency bonds/notes	0.00	0.00
009	Cash Credit	0.00	0.00
010	Unwinding of discount on account of vendor liabilities	1,905,458.65	3,074,710.39
011	Commercial Papers	0.00	0.00
012	**Sub Total**	**750,681,253.79**	**684,267,937.89**
013	Interest on non financial items	0.00	0.00
014	**Other Borrowing Costs**	**0.00**	**0.00**
015	Bonds servicing & public deposit exp.	471,021.06	475,161.70
016	Guarantee fee	0.00	0.00
017	Management fee	0.00	0.00
018	Committ charges/exposure premium	467,600.06	139,553.94
019	Bond issue expenses	0.00	0.00
020	Legal exp on foreign currency loans	0.00	0.00
021	Foreign currency bonds/notes exp.	0.00	0.00
022	Up-front fee	0.00	0.00
023	Insurance premium on foreign currency loans	0.00	0.00
024		0.00	0.00
025	Others	0.00	0.00
026	**Sub Total (Other Borrowing cost)**	**938,621.12**	**614,715.64**
027		0.00	0.00
028	**Exchange differences regarded as an adjustment to borrowing costs**	**23,471,797.72**	**0.76**
029	**Sub Total**	**775,091,672.63**	**684,882,654.29**
030	Less: Transferred to Expenditure during construction period (net) - Note 43	127,509,229.92	134,772,781.87
031	Less: Transferred to development of coal mines-Note 43A	0.00	0.00
032		0.00	0.00
034	**Total**	**647,582,442.71**	**550,109,872.42**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 41 TO THE FS--DEPRECIATION AND AMORTIZATION EXPENSES **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
001	**Depreciation and amortization expenses**	**0.00**	**0.00**
002	On property, plant and equipment- Note 2	2,696,057,234.22	2,617,565,790.65
003	On investment property	0.00	0.00
004	On intangible assets- Note 4	37,366.67	245,756.22
005		0.00	0.00
006	Sub-total	2,696,094,600.89	2,617,811,546.87
007	Less:	0.00	0.00
008	Allocated to fuel inventory	182,764,518.21	204,045,557.62
009	Transferred to Expenditure during Construction Period (net)- Note 43	6,529,807.29	7,336,665.49
010		0.00	0.00
011	Transferred/Allocated to development of coal mines	0.00	0.00
012	Adjustment with deferred revenue from deferred foreign currency fluctuation	-8,123,000.00	0.00
013		0.00	0.00
015	**Total**	**2,514,923,275.39**	**2,406,429,323.76**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 42 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
001	**OTHER EXPENSES**	**0.00**	**0.00**
002	Power charges	38,412,749.31	41,022,365.08
003	Less: Recovered from contractors & employees	10,693,238.26	7,718,775.32
004	**Sub-Total(Power Charges)**	**27,719,511.05**	**33,303,589.76**
005	Water charges	602,233,862.00	404,185,397.14
006	Stores consumed	87,087,108.41	52,140,836.64
007	Rent	0.00	0.00
008	Less:Recoveries	0.00	0.00
009	**Sub-Total (Rent)**	**0.00**	**0.00**
010	Cost of captive coal produced	0.00	0.00
011	**Repairs & maintenance**	**0.00**	**0.00**
012	Buildings	159,548,238.53	29,198,735.51
013	Plant & machinery	0.00	0.00
014	Power stations	2,221,370,374.06	2,193,641,615.73
015	Construction equipment	0.00	0.00
016	Others	167,562,022.44	92,155,011.42
017	**Sub-total (Repairs & maintenance)**	**2,548,480,635.03**	**2,314,995,362.66**
019	Load Dispatch Center Charges	14,709,219.00	15,105,184.00
021	Insurance	127,269,684.41	104,782,606.88
022	Interest to beneficiaries	0.00	0.00
023	Rates and taxes	33,504,031.51	36,140,330.94
024	Water cess & environment protection cess	0.00	0.00
025	Training & recruitment expenses	9,549,951.00	5,625,540.00
026	Less: Receipts	0.00	0.00
027	**Sub-total (Training and recruitment expenses)**	**9,549,951.00**	**5,625,540.00**
028	Communication expenses	20,184,091.35	22,897,033.05
029	Inland Travel	69,684,732.83	75,753,451.84
030	Foreign Travel	257,819.50	0.00
031	Tender expenses	0.00	0.00
032	Less: Receipt from sale of tenders	0.00	0.00
033	**Sub-total (Tender expenses)**	**0.00**	**0.00**
034	Payment to auditors	0.00	0.00
035	Audit fee	0.00	0.00
036	Tax audit fee	0.00	0.00
037	Other services	0.00	0.00
038	Reimbursement of expenses	2,500.00	0.00
039	**Sub-total (Payment to Auditors)**	**2,500.00**	**0.00**
040	Advertisement and publicity	4,488,227.20	3,858,254.80
041	Electricity duty	0.00	0.00
042	Security expenses	406,756,794.88	495,613,345.79
043	Entertainment expenses	23,139,447.32	29,436,242.93
044	Expenses for guest house	14,560,026.00	11,875,954.38
045	Less:Recoveries	1,491,148.80	1,081,811.70
046	**Sub-Total (Guest house expenses)**	**13,068,877.20**	**10,794,142.68**
047	Education expenses	66,230,177.00	35,105,969.00
049	Donations	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 42 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
050	Ash utilisation & marketing expenses	4,031,770,927.69	3,023,591,221.10
051	Directors sitting fee	0.00	0.00
053	Professional charges and consultancy fees	7,769,846.00	9,950,445.51
054	Legal expenses	11,593,681.00	10,610,944.00
055	EDP hire and other charges	6,933,617.67	7,556,012.08
056	Printing and stationery	1,373,340.96	1,300,229.00
057	Oil & gas exploration expenses	0.00	0.00
059	Hiring of vehicles	43,712,855.03	54,167,227.03
061	Reimbursement of L.C.charges on sales realisation	0.00	0.00
062	LOSS ON FAIR VALUATION OF NON- CURRENT TRADE RECEIVABLE AT AMORTISED COST	0.00	0.00
063	Cost of Hedging	0.00	0.00
064	Derivatives MTM loss/gain (Net)	0.00	0.00
065	Net loss/(gain) in foreign currency transactions & translations	6,876,830.42	-23,372,478.77
066	Transport Vehicle running expenses	26,527.00	755,121.98
067	Horticulture Expenses	45,023,274.67	26,886,689.92
068	Hire charges- helicopter/aircraft.	0.00	0.00
069	Hire charges of construction equipment	0.00	0.00
070	Demurrage Charges	0.00	0.00
072		0.00	0.00
073	Miscellaneous expenses	157,501,862.28	26,437,014.85
074	Loss on disposal/write-off of PPE	106,416,718.20	36,659,855.42
075	**Sub-Total**	**8,473,366,150.61**	**6,814,279,570.23**
076	Less: Other expenses allocated to fuel inventory	797,124,365.28	776,698,912.67
077	Less: Transferred/Allocated to development of coal mines	0.00	0.00
078	Less: Transferred to fly ash utilisation reserve fund	122,497,523.11	194,719,633.35
079	Less: Hedging cost Net recoverable/payable from/to beneficiaries	0.00	0.00
080	Less: Others	0.00	0.00
081	Less: Transferred to CSR Expenses	0.00	25,593,714.84
082	Less:Transferred to Expenditure during Construction period(net)-Note 43	16,559,312.17	12,067,851.00
083	Less: Transfer to Govt of Jharkhand A/c as recoverable	0.00	0.00
084	**Net (Generation, Administration and Other expenses)**	**7,537,184,950.05**	**5,805,199,458.37**
085	Corporate Social Responsibility Expenses	89,851,373.66	108,626,168.79
086	Less: Grants-in-aid	0.00	0.00
087	**Sub-total (Corporate Social Responsibility Expenses)**	**89,851,373.66**	**108,626,168.79**
088	**Provisions**	**0.00**	**0.00**
089	Doubtful Debts	0.00	0.00
090	Doubtful loans, advances and claims	0.00	0.00
091	Doubtful Construction Advances	0.00	2,974,999.38
092	Shortage in stores	34,248,901.05	197,695,347.60

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 42 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
093	Obsolete/Dimunition in the value of surplus stores	22,026,037.00	22,763,742.81
094	Shortage in construction stores	467,635.62	0.00
095	Dimunition in value of long term investments	0.00	0.00
096	Shortage in Fixed assets	9,457,152.98	0.00
097	Unfinished minimum work progress from oil & gas exploration	0.00	0.00
098	Unserviceable capital works	48,239,623.91	43,117,154.86
099	Tariff Adjustment	120,317,000.00	139,427,000.00
100	Others :	0.00	0.00
101	(i) Provision for arbitration cases	1,658,231.06	1,658,231.06
102	(ii) Other provisions	0.00	0.00
103	**Total (Provisions)**	**236,414,581.62**	**407,636,475.71**
104		0.00	0.00
106	**Total**	**7,863,450,905.33**	**6,321,462,102.87**
107		0.00	0.00
108	**Breakup of miscellaneous expenses.**	**0.00**	**0.00**
110	Hire charges of office equipment	1,417.92	0.00
112	Operating expenses of construction equipment	0.00	0.00
113	Operating expenses of D.G. sets	0.00	0.00
114	Furnishing expenses	392,948.40	270,855.64
115	Subscription to trade and other associations.	0.00	0.00
117	Visa and entry permit charges	0.00	0.00
118	Tree plantation exp.-NTPC Land	0.00	0.00
119	Research & development expenses .	0.00	0.00
120	Less : Grants received for Research & develoment expenses.	0.00	0.00
121	Sub-total (Research & development expenses)	0.00	0.00
122	Bank charges	28,361.34	95,489.65
123	Business Development Expenditure	0.00	0.00
124	Surcharge (NVVN)	0.00	0.00
125	Power Trading Expenses	993,625.00	13,149,659.00
126	Brokerage & commission	2,070,982.00	1,322,697.00
130	Books and periodicals	46,193.00	99,946.00
131	Claims/advances written off	0.00	0.00
132	Stores written off	0.00	68,409.00
133	Survey &Investigation expenses written off	0.00	0.00
134	Others	153,968,334.62	11,429,958.56
135	**Total**	**157,501,862.28**	**26,437,014.85**
136		0.00	0.00
137		0.00	0.00
138		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 43 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET) **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
001	**EXPENDITURE DURING CONSTRUCTION PERIOD (NET)**	**0.00**	**0.00**
002	A. Employee benefits expense	0.00	0.00
003	Salaries and wages	42,043,388.66	35,001,160.57
004	Contribution to provident and other funds	5,099,390.68	4,244,320.19
005	Unwinding of deffered payroll expenses	0.00	0.00
006	Staff welfare expenses	2,206,086.79	3,329,682.76
007	**Total (A)**	**49,348,866.13**	**42,575,163.52**
008	**B. Finance Costs**	**0.00**	**0.00**
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
010	Bonds	33,676,514.54	39,866,110.04
011	Foreign currency term loans	25,701,004.35	6,365,090.54
012	Rupee term loans	41,238,639.76	87,349,934.10
013	Foreign currency bonds/notes	0.00	0.00
014	Unwinding of discount on account of vendor liabilities	0.00	743,112.72
015	Others	0.00	0.00
016		0.00	0.00
017	Other Borrowings Costs	0.00	0.00
018	Guarantee Commission	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00
020	Commitment charges/Exposure Premium	467,600.06	139,553.94
021	Legal Expenses on foreign currency loans	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00
024	Upfront Fee	0.00	0.00
025	Exchange Differences	0.00	0.00
026	Others	2,953,673.49	308,979.77
027	Exchange differences regarded as adjustment to interest cost	23,471,797.72	0.76
028	**Total (B)**	**127,509,229.92**	**134,772,781.87**
029		0.00	0.00
030	C. Depreciation and amortisation	6,529,807.29	7,336,665.49
031	**D. Generation , administration and other expenses**	**0.00**	**0.00**
032	Power charges	551,487.00	903,759.00
033	Less: Recovered from contractors & employees	92,202.03	73,189.12
034	**Sub-total(Net power charges)**	**459,284.97**	**830,569.88**
035	Water charges	0.00	0.00
036	Rent	0.00	0.00
037	Repairs & maintenance	0.00	0.00
038	Buildings	0.00	0.00
039	Construction equipment	0.00	0.00
040	Others	169,046.24	48,737.00
041		0.00	0.00
042	Insurance	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 43 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET) **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
043	Rates and taxes	2,952.68	6,111.76
044	Communication expenses	400,092.04	457,297.81
045	Travelling expenses	1,413,910.21	1,993,335.54
046	Tender expenses	0.00	0.00
047	Less: Income from sale of tenders	0.00	0.00
048	**Sub-total (Net tender expenses)**	**0.00**	**0.00**
049	Advertisement and publicity	94,400.00	0.00
050	Security expenses	7,311,806.00	1,353,096.08
051	Entertainment expenses	196,589.00	214,567.00
052	Guest house expenses	596,313.00	992,195.38
053	Less: Receipt from guest house	0.00	0.00
054	**Sub-total (Net Guest House Expenses)**	**596,313.00**	**992,195.38**
055	Education expenses	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	0.00	0.00
058	Community development expenses	0.00	0.00
059	Professional charges and consultancy fee	3,237,810.00	5,343,485.00
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	1,477.00	-425,484.00
062	Printing and stationery	19,162.00	1,859.00
063	Miscellaneous expenses	2,656,469.03	1,252,080.55
064	**Total (D)**	**16,559,312.17**	**12,067,851.00**
065	**Total (A+B+C+D)**	**199,947,215.51**	**196,752,461.88**
066	**E. Less: Other Income**	**0.00**	**0.00**
067	Interest from	0.00	0.00
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	0.00
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
073	Sale of scrap	0.00	0.00
074	Exchange Differences	0.00	0.00
075	Miscellaneous income	170,538.88	120,660.81
076	**TOTAL (E)**	**170,538.88**	**120,660.81**
077	F. Net actuarial gain/loss OCI	10,117.30	154,479.86
078		0.00	0.00
079	**GRAND TOTAL (A+B+C+D-E+F)**	**199,786,793.93**	**196,786,280.93**
080		0.00	0.00
081	*** Balance carried to Capital Work-in-progress - (Note 3)**	**199,786,793.93**	**196,786,280.93**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 43A TO THE FS--EDC- COAL MINING **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
001	**EDC- Coal Mining**	**0.00**	**0.00**
002	A. Employee benefits expense	0.00	0.00
003	Salaries and wages	0.00	0.00
004	Contribution to provident and other funds	0.00	0.00
005	Unwinding of deffered payroll expenses	0.00	0.00
006	Staff welfare expenses	0.00	0.00
007	**Total (A)**	**0.00**	**0.00**
008	**B. Finance Costs**	**0.00**	**0.00**
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
010	Bonds	0.00	0.00
011	Foreign currency term loans	0.00	0.00
012	Rupee term loans	0.00	0.00
013	Foreign currency bonds/notes	0.00	0.00
014	Unwinding of discount on account of vendor liabilities	0.00	0.00
015	Others	0.00	0.00
016		0.00	0.00
017	Other Borrowings Costs	0.00	0.00
018	Guarantee Commission	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00
020	Commitment charges/Exposure Premium	0.00	0.00
021	Legal Expenses on foreign currency loans	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00
024	Upfront Fee	0.00	0.00
025	Exchange Differences	0.00	0.00
026	Others	0.00	0.00
027	Exchange differences regarded as adjustment to interest cost	0.00	0.00
028	**Total (B)**	**0.00**	**0.00**
029		0.00	0.00
030	C. Depreciation and amortisation	0.00	0.00
031	**D. Generation , administration and other expenses**	**0.00**	**0.00**
032	Power charges	0.00	0.00
033	Less: Recovered from contractors & employees	0.00	0.00
034	**Sub-total(Net power charges)**	**0.00**	**0.00**
035	Water charges	0.00	0.00
036	Rent	0.00	0.00
037	Repairs & maintenance	0.00	0.00
038	Buildings	0.00	0.00
039	Construction equipment	0.00	0.00
040	Others	0.00	0.00
041	Cost of Captive Coal	0.00	0.00
042	Insurance	0.00	0.00
043	Rates and taxes	0.00	0.00

	For the Year ended	31.03.2023	31.03.2022
044	Communication expenses	0.00	0.00
045	Travelling expenses	0.00	0.00
046	Tender expenses	0.00	0.00
047	Less: Income from sale of tenders	0.00	0.00
048	**Sub-total (Net tender expenses)**	**0.00**	**0.00**
049	Advertisement and publicity	0.00	0.00
050	Security expenses	0.00	0.00
051	Entertainment expenses	0.00	0.00
052	Guest house expenses	0.00	0.00
053	Less: Receipt from guest house	0.00	0.00
054	**Sub-total (Net Guest House Expenses)**	**0.00**	**0.00**
055	Education expenses	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	0.00	0.00
058	Community development expenses	0.00	0.00
059	Professional charges and consultancy fee	0.00	0.00
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	0.00	0.00
062	Printing and stationery	0.00	0.00
063	Miscellaneous expenses	0.00	0.00
064	**Total (D)**	**0.00**	**0.00**
065	**Total (A+B+C+D)**	**0.00**	**0.00**
066	**E. Less: Other Income**	**0.00**	**0.00**
067	Interest from	0.00	0.00
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	0.00
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
073	Sale of scrap	0.00	0.00
074	Exchange Differences	0.00	0.00
075	Miscellaneous income	0.00	0.00
076	**TOTAL (E)**	**0.00**	**0.00**
077	F. Net actuarial gain/loss OCI	0.00	0.00
078		0.00	0.00
079	**GRAND TOTAL (A+B+C+D-E+F)**	**0.00**	**0.00**
080		0.00	0.00
081	*** Balance carried to Capital Work-in-progress - (Note 3)**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 44-A TO THE FINANCIAL STATEMENTS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	Balance sheet	0.00	0.00
002	Freehold land for which conveyancing of the title is awaiting completion of legal formalities	0.00	0.00
003	(a) area (in acres)	0.00	0.00
004	(b) value (in rs)	0.00	0.00
005	Right-of-use land for which execution of lease deed is awaiting completion of legal formalities	0.00	0.00
006	(a) area (in acres)	0.00	0.00
007	(b) value (in rs)	0.00	0.00
008	Right-of-use land acquired on perpetual lease and accordingly not amortised	0.00	0.00
009	(a) area (in acres)	0.00	0.00
010	(b) value (in rs.)	0.00	0.00
011	Land in physical possesession of the company which has not been shown in the books pending settlement of price (in acres)	0.00	0.00
012	Deposit with government authorities towards land in possession of the company included in cost of land which is subject to adjus	0.00	0.00
013	**Land not in possession of the company**	**0.00**	**0.00**
014	(a) area (in acres)	0.00	0.00
015	-Freehold	0.00	0.00
016	-Right of Use	0.00	0.00
017	(b) value (in rs)	0.00	0.00
018	-Freehold	0.00	0.00
019	-Right of Use	0.00	0.00
020	Right-of-use buildings pending completion of legal fomalities - value (in rs.)	0.00	0.00
021	Estimated amount of contracts remaining to be executed on capital account and not provided for	0.00	0.00
022	Property, plant & equipment	15,459,544,196.38	17,067,337,039.00
023	Intangible assets	0.00	0.00
024	Details of precommissioning expenditure	0.00	0.00
025	(a) precommissioning expenses	0.00	0.00
026	(b) precommissioning income	0.00	0.00
027	(c) net precommissioning expenditure	0.00	0.00
028		0.00	0.00
029		0.00	0.00
030		0.00	0.00
031	Exchange rate variation taken to revenue during the year (with -ve sign, if favourable)	-1,838,612.07	2,935,238.13
045	Exchange rate variation capitalised during the year (with -ve sign, if favourable)	36,083,889.95	-30,652,419.00
064	Short Term Leases	0.00	0.00
065	A) Rent	0.00	0.00
066	Company lease accomodation - executives	0.00	0.00
067	Company lease accomodation - directors	0.00	0.00
068	Others	0.00	0.00

	As at	31.03.2023	31.03.2022
069	**Total**	**0.00**	**0.00**
101	Borrowing cost capitalised during the year	127,509,229.92	134,772,781.87
102	Revenue grants recognized during the year	0.00	0.00
103	Revenue expenditure on research and development	0.00	0.00
104	Capital expenditure on research and development.	0.00	0.00
105	Expenditure on sustainibility development - capital	0.00	0.00
106	Expenditure on csr- capital	0.00	0.00
107	Opening balance - CSR Liability	0.00	0.00
108	Paid/Adjusted during the Year out of Opening above	0.00	0.00
109	Amount yet to be paid against Cr Year CSR Exp	-7,677,910.00	-36,037,597.00
110	Closing Balance CSR- Liability (110)	0.00	0.00
111		0.00	0.00
112		0.00	0.00
113		0.00	0.00
114		0.00	0.00
115	Disclosure under msmed act 2006.	0.00	0.00
116	(i) (a) the principal amount remaining unpaid as at year end	-195,383,421.30	-619,766,563.02
117	(i) (b) interest due there on remaining unpaid as at Year end	0.00	0.00
118	(ii) the amount of interest paid by the buyer in terms of section 16, along with the amounts of the payment made to the supplier	0.00	0.00
119	(iii) the amount of interest due and payable for the period of delay in making payment(which has been paid but beyond the appoin	0.00	0.00
120	(iv) the amount of interest accrued and remaining unpaid at the end of the year; and	0.00	0.00
121	(v) the amount of further interest remaining due and payable even in the succeeding years, until such date when the interest due	0.00	0.00
122	Amount of inventories recognized as an expense (including fuel)	47,734,545,411.09	37,256,110,812.61
123	Amount of inventories capitalised as overhauling assets out of 122 above	248,054,912.74	111,398,767.60
124	Amount capitalised as edc out of 122 above	0.00	0.00
133	Value of Imported Material Consumed during the Year	0.00	0.00
134		0.00	0.00
135	Contingent liabilities	0.00	0.00
136	A. Claims against the company not acknowledged as debts in respect of :	0.00	0.00
137	(i)Capital works	377,013,196.75	354,071,368.60
138	(ii)Land compensation cases	0.00	0.00
139	(iii)Others by state authorities towards:-	0.00	0.00
140	(a) Water royalty / water charges / nala tax	0.00	0.00
141	(b) Diversion of land / building permission fees	0.00	0.00

	As at	31.03.2023	31.03.2022
142	(c) Other demands by state authorities	233,517,479.36	226,005,730.82
143	(iv) Others by fuel companies	0.00	0.00
144	(a) Disputes related to grade slippage-third party sampling	1,605,263,859.89	2,874,228,356.00
145	(b) Surface transportation charges on coal	371,742,273.26	371,742,273.00
146	(c) Take or pay claim - Gas stations	0.00	0.00
147	(d) Other claims by fuel companies not acknowledged as debt	146,594,525.00	140,866,183.00
149	B.Disputed tax demands	0.00	0.00
150	(i) Income tax	0.00	0.00
151	(ii) Excise duty	0.00	0.00
152	(iii) Sales tax	0.00	0.00
153	(iv) Service tax/GST	0.00	0.00
154	(v) Entry tax	0.00	0.00
155	C. Others	24,667,271,503.43	23,034,101,233.00
156	**Total**	**27,401,402,837.69**	**27,001,015,144.42**
157	D. Possible reimbursement on account of contingent liabilities	0.00	0.00
158	(i) Capital works	0.00	0.00
159	(ii)Land compensation cases	0.00	0.00
160	(iii)Others (by state authorities)	0.00	0.00
161		0.00	0.00
162	(iv) Others by fuel companies	3,433,727,095.27	3,386,836,813.00
163	(v) Disputed income tax demand	0.00	0.00
164	(vi) Disputed tax demands -others	0.00	0.00
165	(vii) Others	0.00	0.00
167	**Total**	**3,433,727,095.27**	**3,386,836,813.00**
168	E.AMOUNT PAID UNDER PROTEST/ADJUSTED BY AUTHORITIES - TAX CASES	0.00	0.00
169	F.CONTINGENT ASSETS	0.00	0.00
170	Intangible under development : less than 1 year	0.00	0.00
171	Intangible under development #: 1-2 year	0.00	0.00
227	Intangible under development #: 2-3 year	0.00	0.00
277	Intangible under development #: More than 3 years	0.00	0.00
278	**Capital-Work-in Progress (CWIP)**	**0.00**	**0.00**
279	Projects in progress	5,368,321,281.98	3,855,855,300.45
280	Projects temporarily suspended	0.00	0.00
281		0.00	0.00
282		0.00	0.00
283	**Projects in progress**	**0.00**	**0.00**
284	Less than 1 year	2,641,046,524.02	706,926,204.09
285	1-2 years	559,160,410.73	915,033,006.70
286	2-3 years	388,053,953.29	429,001,363.73
287	More than 3 years	1,780,060,393.94	1,804,894,725.93
288	**Sub Total (I)**	**5,368,321,281.98**	**3,855,855,300.45**
289		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 44-A TO THE FINANCIAL STATEMENTS **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
290	**Projects temporarily suspended**	**0.00**	**0.00**
291	Less than 1 year	0.00	0.00
292	1-2 years	0.00	0.00
293	2-3 years	0.00	0.00
294	More than 3 years	0.00	0.00
295	**Sub Total (II)**	**0.00**	**0.00**
296		0.00	0.00
380	Previous year figures have been regrouped/rearranged wherever necessary.	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 44-B TO THE FS--RPD DISCLOSURE- TRANSACTIONS DURING THE PERIOD **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
001	**1) Transactions during the year- subsidiaries**	**0.00**	**0.00**
002	Purchase of equipment, supply & erection services	4,856,929.00	0.00
003	Purchase of spares	0.00	0.00
004	Maintenance services	0.00	0.00
005	Contracts for works/services for services provided by the company	0.00	0.00
006	Deputation of employees	0.00	0.00
007	Sales of goods	0.00	0.00
008	Sales of property and other assets	0.00	0.00
009	**Sub-total**	**4,856,929.00**	**0.00**
010		0.00	0.00
011	Dvidend received	0.00	0.00
012	Equity contributions made	0.00	0.00
013	Share application money pending allotment	0.00	0.00
014	Loans granted	0.00	0.00
015	Interest on Loan	0.00	0.00
016	Guarantees received	0.00	0.00
017	Guarantees provided	0.00	0.00
018	**Sub-total**	**0.00**	**0.00**
019		0.00	0.00
020	**Transactions during the year- jvs**	**0.00**	**0.00**
021	Purchase of equipment, supply & erection services	1,657,600.00	1,451,264.20
022	Purchase of spares	0.00	1,562,377.30
023	Maintenance services	891,452,869.15	734,604,586.46
024	Contracts for works/services for services provided by the company	0.00	0.00
025	Deputation of employees	0.00	0.00
026	Sales of goods	0.00	0.00
027	Sales of property and other assets	0.00	0.00
028	**Sub-total**	**893,110,469.15**	**737,618,227.96**
029	Dividend received	0.00	0.00
030	Equity contributions made	0.00	0.00
031	Share application money pending allotment	0.00	0.00
032	Loans granted	0.00	0.00
033	Guarantees received	0.00	0.00
034	Interest on Loan	0.00	0.00
035	Guarantees provided	0.00	0.00
036	**Sub-total**	**0.00**	**0.00**
037	**Total**	**897,967,398.15**	**737,618,227.96**
038	**Transactions with post employment benefit plans**	**0.00**	**0.00**
039	Contributions made during the year	0.00	0.00
040	**Compensation to key management personnel**	**0.00**	**0.00**
041	Short term employee benefits	0.00	0.00
042	Post employment benefits	0.00	0.00
043	Other long term benefits	0.00	0.00
044	Termination benefits	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 44-B TO THE FS--RPD DISCLOSURE- TRANSACTIONS DURING THE PERIOD **(Amount in ₹)**

	For the Year ended	31.03.2023	31.03.2022
045	Sitting Fee	0.00	0.00
046	Share based payments	0.00	0.00
047	**Sub-total**	**0.00**	**0.00**
048	**Transactions with the related parties under the control of the same government:**	**0.00**	**0.00**
049	Coal india ltd.. And its subsidiaries- purchase of coal	27,009,008,017.81	24,625,627,072.53
050	Singareni coalfields ltd- purchase of coal	0.00	0.00
051	**Bhel ltd.**	**0.00**	**0.00**
052	Purchase of equipment, supply & erection services	6,239,786.53	51,016,214.97
053	Purchase of spares	440,208,022.40	311,081,081.73
054	Maintenance services	176,397,874.12	274,851,419.96
055	**Sub-total**	**622,845,683.05**	**636,948,716.66**
056	Gail (i) ltd. Supply of natural gas	0.00	0.00
057	Iocl supply of oil products	674,942,268.17	1,190,929,986.25
058	Bpcl-supply of natural gas and oil	0.00	0.00
059	Sail-supply of steel and iron products	311,633,024.90	142,392,980.06
060	Other entities	0.00	0.00
061	Purchase of equipments & erection services	1,009,689.58	411,133.00
062	Purchase of spares	6,284,806.12	4,088,847.60
063	Maintenance services	120,968,078.15	124,993,200.60
064		0.00	0.00
065	**Total**	**28,746,691,567.78**	**26,725,391,936.70**
066	**Transaction with other**	**0.00**	**0.00**
067	**Transaction with ntpc education and research society and ntpc foundation**	**0.00**	**0.00**
068	- transactions during the year	0.00	0.00
069	ADDITIONAL TRANSACTIONS WITH RELATED PARTIES FOR PSU	0.00	0.00
070	Additional Transactions with GAIL	0.00	0.00
071	Additional Transactions with subsidiaries	0.00	0.00
072	Additional Transactions with joint ventures	0.00	0.00
073		0.00	0.00
074		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 44-C TO THE FS--RPD DISCLOSURE- OUTSTANDING BALANCES **(Amount in ₹)**

	As at	31.03.2023	31.03.2022
001	**Outstanding balance**	**0.00**	**0.00**
002	**Amount recoverable towards loans**	**0.00**	**0.00**
003	- From Subsidiaries	0.00	0.00
004	- From JVC	0.00	0.00
005	- From KMP	0.00	0.00
006	- From Others	0.00	0.00
007	Sub-total	0.00	0.00
008	**Amount recoverable other than loan**	**0.00**	**0.00**
009	- from subsidiaries	0.00	0.00
010	- from joint ventures	0.00	0.00
011	- from key managerial personnel	0.00	0.00
012	- from post employment benfit plans	0.00	0.00
013	- from others	0.00	0.00
014	Sub-total	0.00	0.00
015	**Amount payable**	**0.00**	**0.00**
016	- from subsidiaries	0.00	0.00
017	- from joint ventures	122,463,347.58	82,805,153.95
018	- from key managerial personnel	0.00	0.00
019	- from post employment benfit plans	0.00	0.00
020	- from others	0.00	0.00
021	Sub-total	122,463,347.58	82,805,153.95
022		0.00	0.00

BALANCE SHEET FY 2023-24

FARAKKA SUPER THERMAL POWER STATION

BALANCE SHEET

(Amount in ₹)

	As at	Note	31.03.2024	31.03.2023
001	**ASSETS**		**0.00**	**0.00**
002			**0.00**	**0.00**
003	**NON-CURRENT ASSETS**		**0.00**	**0.00**
004	PROPERTY, PLANT & EQUIPMENT	2	27,353,423,001.36	27,217,906,410.95
005	CAPITAL-WORK-IN-PROGRESS	3	7,318,471,915.78	5,368,321,281.98
006	INVESTMENT PROPERTY	4	0.00	0.00
007	INTANGIBLE ASSETS	5	749,749.99	298,933.33
008	INTANGIBLE ASSETS UNDER DEVELOPMENT	6	0.00	0.00
009	**FINANCIAL ASSETS**		**0.00**	**0.00**
010	I) EQUITY INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES	7	0.00	0.00
011	II) OTHER INVESTMENTS	8	5,000.00	5,000.00
012	III) LOANS	9	77,802,332.90	77,024,292.36
013	IV) TRADE RECEIVABLES	10	0.00	0.00
014	V) OTHER FINANCIAL ASSETS	11	0.00	0.00
016	OTHER NON-CURRENT ASSETS	12	1,037,403,507.99	998,442,818.83
017	**TOTAL NON-CURRENT ASSETS**		**35,787,855,508.02**	**33,661,998,737.45**
018			**0.00**	**0.00**
019	**CURRENT ASSETS**		**0.00**	**0.00**
020	INVENTORIES	13	8,726,170,666.63	5,642,242,597.44
021	**FINANCIAL ASSETS**		**0.00**	**0.00**
022	I) OTHER INVESTMENTS	14	0.00	0.00
023	II) TRADE RECEIVABLES	15	448,061.36	2,880,182.19
024	III) CASH AND CASH EQUIVALENTS	16	0.00	0.00
025	IV) BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS	17	0.00	0.00
026	V) LOANS	18	61,822,348.68	72,340,688.03
027	VI) OTHER FINANCIAL ASSETS	19	544,301,407.07	422,339,989.72
028	CURRENT TAX ASSETS (NET)		0.00	0.00
029			0.00	0.00
030	OTHER CURRENT ASSETS	20	16,068,350,827.70	17,411,472,160.17
031			0.00	0.00
032	**TOTAL CURRENT ASSEETS**		**25,401,093,311.44**	**23,551,275,617.55**
033	ASSETS HELD FOR SALE	21	0.00	0.00
036	REGULATORY DEFERRAL ACCOUNT DEBIT BALANCES	22	-125,266,720.66	100,265,455.61
037	**TOTAL ASSETS**		**61,063,682,098.80**	**57,313,539,810.61**
038	**EQUITY AND LIABILITIES**		**0.00**	**0.00**
039	**EQUITY**		**0.00**	**0.00**
040	EQUITY SHARE CAPITAL	23	0.00	0.00
041	OTHER EQUITY	24	98,679,631,725.22	92,827,199,722.85
044	**TOTAL EQUITY**		**98,679,631,725.22**	**92,827,199,722.85**
045			0.00	0.00
046	**LIABILITIES**		**0.00**	**0.00**
047	**NON-CURRENT LIABILITIES**		**0.00**	**0.00**
048	**FINANCIAL LIABILITIES**		**0.00**	**0.00**
049	I) BORROWINGS	25	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

BALANCE SHEET

(Amount in ₹)

	As at	Note	31.03.2024	31.03.2023
050	II) LEASE LIABILITIES	26	16,821,231.87	16,176,853.00
051	**III) TRADE PAYABLES**		**0.00**	**0.00**
052	- TOTAL OUTSTANDING DUES OF MICRO AND SMALL ENTERPRISES	27	0.00	0.00
053	- TOTAL OUTSTANDING DUES OF CREDITORS OTHER THAN MICRO AND SMALL ENTERPRISES	27	0.00	0.00
054	IV) OTHER FINANCIAL LIABILITIES	28	54,904,893.73	979,616.77
055	PROVISIONS	29	0.00	0.00
056	DEFERRED TAX LIABILITIES (NET)	30	0.00	0.00
057	OTHER NON-CURRENT LIABILITIES	31	0.00	0.00
058			**0.00**	**0.00**
059	**TOTAL NON-CURRENT LIABILITIES**		**71,726,125.60**	**17,156,469.77**
060			**0.00**	**0.00**
061	**CURRENT LIABILITIES**		**0.00**	**0.00**
062	**FINANCIAL LIABILITIES**		**0.00**	**0.00**
063	I) BORROWINGS	32	0.00	0.00
064	II) LEASE LIABILITIES	33	776,051,778.88	775,040,701.75
065	**III) TRADE PAYABLES**		**0.00**	**0.00**
066	- TOTAL OUTSTANDING DUES OF MICRO AND SMALL ENTERPRISES	34	388,083,920.65	104,704,433.55
067	- TOTAL OUTSTANDING DUES OF CREDITORS OTHER THAN MICRO AND SMALL ENTERPRISES	34	3,986,153,596.02	4,153,594,749.92
068	III) OTHER FINANCIAL LIABILITIES	35	4,111,076,420.30	3,814,485,900.34
069	OTHER CURRENT LIABILITIES	36	312,321,033.44	615,377,020.50
070	PROVISIONS	37	390,982,384.71	394,861,419.29
071	CURRENT TAX LIABILITIES (NET)	38	0.00	0.00
072			**0.00**	**0.00**
073	**TOTAL CURRENT LIABILITIES**		**9,964,669,134.00**	**9,858,064,225.35**
074			**0.00**	**0.00**
077	DEFERRED REVENUE	39	0.00	0.00
078	REGULATORY DEFERRAL ACCOUNT CREDIT BALANCES	39A	0.00	0.00
079	INTER UNIT ACCOUNTS		-47,652,344,886.02	-45,388,880,607.36
080			**0.00**	**0.00**
081	**TOTAL EQUITY AND LIABILITIES**		**61,063,682,098.80**	**57,313,539,810.61**
082	Material Accounting Policies as per note 1	1	0.00	0.00
083			0.00	0.00
084	The Accompanying notes 1 to 48A form an integral part of these financial statements.		0.00	0.00
085			**0.00**	**0.00**

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FARAKKA SUPER THERMAL POWER STATION

STATEMENT OF PROFIT AND LOSS

(Amount in ₹)

	For the Year ended	Note	31.03.2024	31.03.2023
001	**Revenue**		**0.00**	**0.00**
002	Revenue from operations	40	66,282,840,360.03	73,983,120,721.74
003	Other income	41	301,215,613.25	553,146,274.86
005	**Total Income**		**66,584,055,973.28**	**74,536,266,996.60**
007	**Expenses**		**0.00**	**0.00**
008	Fuel including cost of captive coal	42	45,189,535,301.62	46,557,677,369.06
009	Employee benefits expense	43	2,065,841,457.11	2,300,465,133.81
010	Electricity purchased for trading		0.00	0.00
011	Finance costs	44	664,892,894.37	647,582,442.71
012	Depreciation, amortization and impairment expenses	45	2,818,642,801.93	2,514,923,275.39
013			0.00	0.00
014	Other expenses	46	9,191,665,205.12	7,665,789,001.33
015	CC expenses charge to revenue		581,923,399.56	643,300,655.61
016	Less: Unit expenses transferred to CC		0.00	0.00
017	**Total expenses**		**60,512,501,059.71**	**60,329,737,877.91**
020	**Profit before exceptional items & tax**		**6,071,554,913.57**	**14,206,529,118.69**
021	Exceptional items		0.00	0.00
024	**Profit before tax**		**6,071,554,913.57**	**14,206,529,118.69**
027	**Tax expense:**		**0.00**	**0.00**
028	Current tax		0.00	0.00
031	Deferred tax		0.00	0.00
034			0.00	0.00
035	**Total Tax expense**		**0.00**	**0.00**
036	**Profit for the period before regulatory deferral account balances**		**6,071,554,913.57**	**14,206,529,118.69**
037	**Movement in regulatory deferral account balances**		**0.00**	**0.00**
038	Regulatory deferred account - deferred		0.00	0.00
039	Others		-225,532,176.56	-7,449,736,907.69
040	Tax impact on regulatory deferral account balances		0.00	0.00
041	**Net movement in regulatory deferral account balances (net of tax)**		**-225,532,176.56**	**-7,449,736,907.69**
042	**Profit for the period/ year**		**5,846,022,737.01**	**6,756,792,211.00**
055	**Other comprehensive income**		**0.00**	**0.00**
056	**(A) Items that will not be reclassified to profit or loss**		**0.00**	**0.00**
057	- Net gains/(losses) on fair value of equity instruments through other comprehensive income		0.00	0.00
058	Income tax on above that will not be reclassified to profit or loss		0.00	0.00
059	- Net acturial gains/(losses) on defined benefit plans		6,409,265.36	-34,665,395.21
060	Income tax on above that will not be reclassified to profit or loss		0.00	0.00
064			0.00	0.00
065	**Other comprehensive income for the year, net of income tax**		**6,409,265.36**	**-34,665,395.21**
070			0.00	0.00
071			0.00	0.00
072	**Total Comprehensive Income for the year**		**5,852,432,002.37**	**6,722,126,815.79**

FARAKKA SUPER THERMAL POWER STATION

STATEMENT OF PROFIT AND LOSS **(Amount in ₹)**

	For the Year ended	Note	31.03.2024	31.03.2023
086			0.00	0.00
087	**Earnings per equity share:**		**0.00**	**0.00**
088	Basic & Diluted		0.00	0.00
089	Material Accounting Policies		0.00	0.00
090			0.00	0.00
091	The accompanying notes 1 to 48 form an integral part of these financial statements.		0.00	0.00

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(Auditor Initial & Stamp) (Head of Finance) (Head of Unit)

FARAKKA SUPER THERMAL POWER STATION

OTHER COMPREHENSIVE INCOME **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
001		0.00	0.00
002	**Other comprehensive income**	**0.00**	**0.00**
003	**(A) Items that will not be reclassified to profit or loss**	**0.00**	**0.00**
004	- Net gains/(losses) on fair value of equity instruments through other comprehensive income	0.00	0.00
005	Income tax on above that will not be reclassified to profit or loss	0.00	0.00
006	- Net acturial gains/(losses) on defined benefit plans	6,409,265.36	-34,665,395.21
007	Income tax on above that will not be reclassified to profit or loss	0.00	0.00
008		0.00	0.00
009	(B) Items that will be reclassified to profit or loss	0.00	0.00
010	Income tax relating to above items that will be reclassified to profit or loss	0.00	0.00
011		0.00	0.00
012	**Other comprehensive income for the year, net of income tax**	**6,409,265.36**	**-34,665,395.21**
013		0.00	0.00
014	**Total comprehensive income for the year (A+B)**	**6,409,265.36**	**-34,665,395.21**

Note forming part of Balance Sheet

(Amount in Rupees)

NOTE NO. 2 TO THE FS-NCA-PROPERTY, PLANT AND EQUIPMENT

Business Area :1024

Asset Class	Opening Gross Block As At 01.04.2023	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2024	Opening Depreciation As At 01.04.2023	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2024	Net Block As At 31.03.2024	Net Block As At 31.03.2023
1 TANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Land : (including development expenses)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Freehold	1654107045.42	3434616.00	0.00	1657541661.42	0.00	0.00	0.00	0.00	1657541661.42	1654107045.42
4 Right of Use	148101173.62	0.00	0.00	148101173.62	48548975.48	6834990.10	0.00	55383965.58	92717208.04	99552198.14
5 Submergence	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Right of use - Coal Bearing Area Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 Roads,bridges, culverts & helipads	322435942.02	881166020.78	0.00	1203601962.80	108267242.88	30884469.47	0.00	139151712.35	1064450250.45	214168699.15
8 Building :	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 Freehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Main plant	2231150022.06	0.00	0.00	2231150022.06	842179664.53	55096705.62	0.00	897276370.15	1333873651.91	1388970357.53
11 Others	1269238799.19	6437207.79	0.00	1275676006.98	369071289.00	42016130.04	0.00	411087419.04	864588587.94	900167510.19
12 Right of Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Temporary erection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 Water Supply, drainage & sewerage system	145305604.70	0.00	0.00	145305604.70	67765108.79	7173602.87	0.00	74938711.66	70366893.04	77540495.91
15 Hydraulic works, barrages, dams, tunnels and power channel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 MGR track and signalling system	924534870.75	0.00	0.00	924534870.75	569547892.87	51782212.00	0.00	621330104.87	303204765.88	354986977.88
17 Railway siding	3166441.50	0.00	0.00	3166441.50	0.00	0.00	0.00	0.00	3166441.50	3166441.50
18 Earth dam reservoir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19 Plant and machinery(including associated civil works) Owned Asset	37659110506.97	2371293779.83	(706027756.46)	39324376530.34	15899054658.71	2771550423.93	(540295941.34)	18130309141.30	21194067389.04	21760055848.30

Note forming part of Balance Sheet

(Amount in Rupees)

NOTE NO. 2 TO THE FS-NCA-PROPERTY, PLANT AND EQUIPMENT

Business Area :1024

Asset Class	Opening Gross Block As At 01.04.2023	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2024	Opening Depreciation As At 01.04.2023	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2024	Net Block As At 31.03.2024	Net Block As At 31.03.2023
20 Plant and machinery(including associated civil works) -Right of use Asset	857760000.00	0.00	0.00	857760000.00	378840000.00	47520000.00	0.00	426360000.00	431400000.00	478920000.00
21 Furniture and fixtures	152456935.01	13759663.83	0.00	166216598.84	66819409.69	8013803.30	0.00	74833212.99	91383385.85	85637528.12
22 Assets under 5 Km Scheme	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 Vehicles including speedboats / helicopter-Owned	4959240.66	0.00	0.00	4959240.66	2922811.15	156600.00	0.00	3079411.15	1879829.51	2036429.51
24 Vehicles including speedboats / helicopter - Right of Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Office equipment	120671964.85	9895060.00	0.00	130567024.85	69406455.98	12808330.62	0.00	82214786.60	48352238.25	51265508.87
26 EDP, WP machines and satcom equipment	70395975.05	40255635.00	(1923655.50)	108727954.55	67149465.68	5852481.54	(1923655.50)	71078291.72	37649662.83	3246509.37
27 Construction equipments	113395432.46	29920760.00	0.00	143316192.46	84078291.07	6634584.37	0.00	90712875.44	52603317.02	29317141.39
28 Electrical Installations	126995917.51	0.00	0.00	126995917.51	80942021.24	5307408.22	0.00	86249429.46	40746488.05	46053896.27
29 Communication equipments	58750656.25	1947863.64	0.00	60698519.89	24224863.14	5521086.54	0.00	29745949.68	30952570.21	34525793.11
30 Hospital equipments	28154922.40	392588.00	0.00	28547510.40	18701840.95	1916551.20	0.00	20618392.15	7929118.25	9453081.45
31 Laboratory and workshop equipments	40375725.91	4125247.68	0.00	44500973.59	15640774.22	2310657.20	0.00	17951431.42	26549542.17	24734951.69
32 Capital expenditure on assets not owned by the Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33 Assets of Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note forming part of Balance Sheet

(Amount in Rupees)

NOTE NO. 2 TO THE FS-NCA-PROPERTY, PLANT AND EQUIPMENT

Business Area :1024

Asset Class	Opening Gross Block As At 01.04.2023	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2024	Opening Depreciation As At 01.04.2023	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2024	Net Block As At 31.03.2024	Net Block As At 31.03.2023
34 Less:Grants from Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35 Less: Recoverable from GOI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36 Assets for ash utilisation	4479551.00	0.00	0.00	4479551.00	0.00	0.00	0.00	0.00	4479551.00	4479551.00
37 (Less):-Adjusted from fly ash utilisation reserve fund	4479551.00	0.00	0.00	4479551.00	0.00	0.00	0.00	0.00	4479551.00	4479551.00
38 Site Restoration Cost	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Mining Properties	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total (Tangible)	45931067176.33	3362628442.55	(707951411.96)	48585744206.92	18713160765.38	3061380037.02	(542219596.84)	21232321205.56	27353423001.36	27217906413.80
Grand Total Prev Year (Tangible)	44342707250.02	2601919464.29	(1013559537.98)	45931067176.33	16863047160.23	2696057234.22	(845943629.07)	18713160765.38	27217906410.95	27479660092.64

Note forming part of Balance Sheet
NOTE NO. 2 TO THE FS-NCA-PROPERTY, PLANT AND EQUIPMENT
Business Area :1024

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	Tangible As At: 31.03.2024	**Tangible As At: 31.03.2023**	**Tangible As At: 31.03.2024**	**Tangible As At: 31.03.2023**
Disposal of assets	(1740821.14)	(828178.05)	(1740821.14)	(828178.05)
Retirement of assets	(706163803.82)	(932256983.10)	(540431988.70)	(825840264.90)
Cost adjustments	0.00	0.00	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	(46787.00)	(80474376.83)	(46787.00)	(19275186.12)
Others	0.00	0.00	0.00	0.00
TOTAL	**(707951411.96)**	**(1013559537.98)**	**(542219596.84)**	**(845943629.07)**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet
NOTE NO. 3 TO THE FS-NCA-CAPITAL WORK-IN-PROGRESS
Business Area: FARAKKA SUPER THERMAL POWER STATION

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2023	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2024
	1	2	3	4	5	6
1	CAPITAL WORK-IN-PROGRESS					
2	Development of land					
3	Roads, bridges, culverts & helipads	805786008.08	52290500.00	23089512.70	881166020.78	
4	Piling and foundation					
5	Buildings :					
6	Main plant					
7	Others	5573220.86	6437207.79	(12010428.65)		
8	Temporary erection					
9	Water supply, drainage and sewerage system					
10	Hydraulic works, barrages, dams, tunnels and power channel					
11	MGR track and signalling system					
12	Railway siding					
13	Earth dam reservoir					
14	Plant and equipment	4390703244.81	4111133916.19	(528303294.90)	930399544.53	7043134321.57
15	Furniture and fixtures					
16	Vehicles					
17	Office equipment		2399565.15			2399565.15
18	EDP/WP machines & satcom equipment		417450.25			417450.25
19	Construction equipments					
20	Electrical installations	11670018.48	1918926.83	35190.34		13624135.65
21	Communication equipment		980000.00			980000.00
22	Hospital equipments					
23	Laboratory and workshop equipments		3227883.60			3227883.60
24	Assets under 5Km Scheme of the GOI					
25	Capital expenditure on assets not owned by the company					
26	Expenditure towards development of coal mines					
27	Survey,Investigation,Consultancy & Supervision Cha	29089097.53	(21496512.70)			7592584.83
28	Difference in exchange on foreign currency loans					

Note forming part of Balance Sheet
NOTE NO. 3 TO THE FS-NCA-CAPITAL WORK-IN-PROGRESS
Business Area: FARAKKA SUPER THERMAL POWER STATION

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2023	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2024
	1	2	3	4	5	6
29	Expenditure towards diversion of forest land					
30	Pre-commissioning expenses (net)					
31	ExpPendAlloca-oth ex attribut Project					
32	Expenditure During Construction Period (net)*	610400889.07	173983579.73	808483.00		785192951.80
33	LESS : Allocated to related works		215680.52			215680.52
34	LESS : Provision for Unservicable works	916843193.62	33834732.25			950677925.87
35	**Construction stores (At Cost)**					
36	Steel	338343933.75	1477292.96	(37141337.83)		302679888.88
37	Cement	7546392.31	19783491.28	(17324656.94)		10005226.65
38	Others	86519306.33	106621116.41	(92140941.30)		100999481.44
39	**Sub-total**	**432409632.39**	**127881900.65**	**(146606936.07)**		**413684596.97**
40	LESS : Provision for shortages	467635.62		420332.03		887967.65
41	**Sub-total**	**431941996.77**	**127881900.65**	**(147027268.10)**		**412796629.32**
42	**Total CWIP**	**5368321281.98**	**4425124004.72**	**(663407805.61)**	**1811565565.31**	**7318471915.78**
43						
44						
45	**PREVIOUS YEAR TOTAL**	**3855855300.45**	**3668243470.30**	**(938957490.32)**	**1087589969.44**	**5368321281.98**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet
NOTE NO. 4 TO THE FS-NCA-INVESTMENT PROPERTY
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2023	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2024	Opening Depreciation As At 01.04.2023	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2024	Net Block As At 31.03.2024	Net Block As At 31.03.2023
INVESTEMENT PROPERTY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 Free Hold Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 ROU Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total (Investment Property)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total Prev Year (Investment Property)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note forming part of Balance Sheet
NOTE NO. 4 TO THE FS-NCA-INVESTMENT PROPERTY
Business Area :1024

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	Investment Property As At: 31.03.2024	**Investment Property As At: 31.03.2023**	**Investment Property As At: 31.03.2024**	**Investment Property As At: 31.03.2023**
Disposal of assets	0.00	0.00	0.00	0.00
Retirement of assets	0.00	0.00	0.00	0.00
Cost adjustments	0.00	0.00	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	0.00	0.00	0.00	0.00
Others	0.00	0.00	0.00	0.00
TOTAL	**0.00**	**0.00**	**0.00**	**0.00**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet
NOTE NO. 5 TO THE FS-NCA-INTANGIBLE ASSETS
Business Area :1024

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2023	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2024	Opening Depreciation As At 01.04.2023	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2024	Net Block As At 31.03.2024	Net Block As At 31.03.2023
INTANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 Right to Use- Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 -Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 -Software	1542745.86	579000.00	(349163.86)	1772582.00	1243812.53	128183.34	(349163.86)	1022832.01	749749.99	298933.33
Grand Total (Intangible)	1542745.86	579000.00	(349163.86)	1772582.00	1243812.53	128183.34	(349163.86)	1022832.01	749749.99	298933.33
Grand Total Prev Year (Intangible)	1206445.86	336300.00	0.00	1542745.86	1206445.86	37366.67	0.00	1243812.53	298933.33	0.00

Note forming part of Balance Sheet
NOTE NO. 5 TO THE FS-NCA-INTANGIBLE ASSETS
Business Area :1024

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	InTangible As At: 31.03.2024	**InTangible As At: 31.03.2023**	**InTangible As At: 31.03.2024**	**InTangible As At: 31.03.2023**
Disposal of assets	0.00	0.00	0.00	0.00
Retirement of assets	(349163.86)	0.00	(349163.86)	0.00
Cost adjustments	0.00	0.00	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	0.00	0.00	0.00	0.00
Others	0.00	0.00	0.00	0.00
TOTAL	**(349163.86)**	**0.00**	**(349163.86)**	**0.00**

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet

(Amount in Rupees)

NOTE NO. 6 TO THE FS-NCA-INTANGIBLE ASSETS UNDER DEVELOPMENT

Business Area: FARAKKA SUPER THERMAL POWER STATION

Sl No	Asset Class	As At 01.04.2023	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2024
	1	2	3	4	5	6
1	INTANGIBLE ASSETS UNDER DEVELOPMENT					
2	Software					
3	Right to use Others					
4	Exploration and Evaluation Expentiture - Coal Mini					
5	Exploratory wells-in-progress					
6	**Less: Provision for exploratory wells-in-progress**					
7	**Total**					
8	**PREVIOUS YEAR TOTAL-I**					

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

NOTE NO. 7 TO THE FS-NCA-EQUITY INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES (Amount in ₹)

	As at	No. of shares	Face value	31.03.2024	31.03.2023
001	**NON CURRENT INVESTMENTS-INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES**			**0.00**	**0.00**
012	**EQUITY INSTRUMENTS - UNQUOTED-(FULLY PAID UP UNLESS OTHERWISE STATED, AT COST)**			**0.00**	**0.00**
013	**SUBSIDIARY COMPANIES**			**0.00**	**0.00**
014	PATRATU VIDYUT UTPADAN NIGAM LTD.			0.00	0.00
015	NTPC ELECTRIC SUPPLY COMPANY LTD.			0.00	0.00
016	NTPC VIDYUT VYAPAR NIGAM LTD.			0.00	0.00
017	NABINAGAR POWER GENERATING COMPANY LTD.			0.00	0.00
018	KANTI BIJLEE UTPADAN NIGAM LTD.			0.00	0.00
019	BHARTIYA RAIL BIJLEE COMPANY LTD.			0.00	0.00
020	NTPC MINING LTD (NML)			0.00	0.00
021	THDC INDIA LTD.			0.00	0.00
022	NEEPCO LTD.			0.00	0.00
023	NTPC EDMC Waste Solutions Pvt Ltd			0.00	0.00
024	NTPC Renewables Energy Ltd			0.00	0.00
025	Ratnagiri Gas & Power Pvt. Limited (RGPPL)			0.00	0.00
026	NTPC Green Energy Limited			0.00	0.00
027	Green Valley Renewable Energy Limited			0.00	0.00
028				0.00	0.00
029				0.00	0.00
030	**SUB TOTAL**			**0.00**	**0.00**
055	**JOINT VENTURE COMPANIES**			**0.00**	**0.00**
056	Utility Powertech Ltd.			0.00	0.00
057	NTPC GE Power Services Pvt.Ltd.			0.00	0.00
058	NTPC-SAIL Power Company Ltd.			0.00	0.00
059	NTPC-Tamil Nadu Energy Company Ltd.			0.00	0.00

NOTE NO. 7 TO THE FS-NCA-EQUITY INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES (Amount in ₹)

	As at	No. of shares	Face value	31.03.2024	31.03.2023
060	Ratnagiri Gas & Power Pvt. Limited (RGPPL)			0.00	0.00
061	ARAVALI POWER COMPANY PRIVATE LTD.			0.00	0.00
062	Jhabua Power Ltd.			0.00	0.00
063	NTPC BHEL POWER PROJECTS PRIVATE LTD.			0.00	0.00
064	MEJA URJA NIGAM PRIVATE LIMITED			0.00	0.00
065	BF-NTPC ENERGY SYSTEMS LTD.			0.00	0.00
066				0.00	0.00
067	NABINAGAR POWER GENERATING COMPANY LTD.			0.00	0.00
068	TRANSFORMER AND ELECTRICAL KERALA LTD.			0.00	0.00
069	NATIONAL HIGH POWER TEST LABORTORY PRIVATE LTD.			0.00	0.00
070				0.00	0.00
071	CIL NTPC URJA PRIVATE LTD.			0.00	0.00
072	ANUSHAKTI VIDHYUT NIGAM LTD.			0.00	0.00
073	ENERGY EFFICIENCY SERVICES LTD.			0.00	0.00
074				0.00	0.00
075	TRINCOMALEE POWER COMPANY LTD.			0.00	0.00
076	BANGLADESH-INDIA FRIENDSHIP POWER COMPANY (PVT.) LTD.			0.00	0.00
077	HINDUSTAN URVARAK & RASAYAN LIMITED			0.00	0.00
078	KONKAN LNG LTD			0.00	0.00
085	**SUB TOTAL**			**0.00**	**0.00**
109	AGGREGATE AMOUNT OF IMPAIRMENT IN THE VALUE OF INVESTMENTS			0.00	0.00
110	TOTAL (NET OF IMPAIRMENT) OF JV			0.00	0.00
111	**Gross Total of Investments**			**0.00**	**0.00**
134	**Total**			**0.00**	**0.00**
135	Details of Investments			0.00	0.00
136	Aggregate amount of Unquoted Investments			0.00	0.00

NOTE NO. 7 TO THE FS-NCA-EQUITY INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES (Amount in ₹)

	As at	No. of shares	Face value	31.03.2024	31.03.2023
141				0.00	0.00
142				0.00	0.00
143				0.00	0.00
144				0.00	0.00
145				0.00	0.00
153	Valuation of Investments as per Note 1.			0.00	0.00
154				0.00	0.00
202				0.00	0.00
233				0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 8 TO THE FS-NCA-OTHER INVESTMENTS

(Amount in ₹)

	As at	No. of shares	Face value	31.03.2024	31.03.2023
001	Non-current financial assets (investments)			0.00	0.00
006	**Long Term - Trade**			**0.00**	**0.00**
007	**Equity Instruments (fully paid up-unless otherwise stated)**			**0.00**	**0.00**
008	**Quoted**			**0.00**	**0.00**
009	**JOINT VENTURE COMPANIES**			**0.00**	**0.00**
010	PTC India Ltd.			0.00	0.00
070	INTERNATIONAL COAL VENTURES PRIVATE LTD.			0.00	0.00
075	BF-NTPC ENERGY SYSTEMS LTD.			0.00	0.00
098	Jhabua Power Limited-8.5% Non convertible debentures - private placement			0.00	0.00
110	COOPERATIVE SOCIETIES			5,000.00	5,000.00
111				0.00	0.00
112	**SUB TOTAL**			**5,000.00**	**5,000.00**
113	AGGREGATE AMOUNT OF IMPAIRMENT IN THE VALUE OF INVESTMENTS			0.00	0.00
115	**TOTAL**			**5,000.00**	**5,000.00**
120				0.00	0.00
146	NTPC EMPLOYEES CONSUMERS AND THRIFT CO-OPERATIVE SOCIETY LTD. KORBA			0.00	0.00
147	NTPC EMPLOYEES CONSUMERS AND THRIFT COOPERATIVE SOCIETY LTD. RSTPP			0.00	0.00
148	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. FARAKKA			0.00	0.00
149	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. VINDHYACHAL			0.00	0.00
150	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. ANTA			0.00	0.00
151	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. KAWAS			0.00	0.00
152	NTPC Employees Consumers Cooperative Society Ltd. Kaniha			0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 9 TO THE FS-NCA-LOANS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**LOANS (NON CURRENT)**	**0.00**	**0.00**
004	RELATED PARTIES	0.00	0.00
005	SECURED	0.00	0.00
006	UN-SECURED	0.00	0.00
007	WITH SIGNIFICANT INCREASE IN CREDIT RISK	0.00	0.00
008	CREDIT IMPAIRED	0.00	0.00
009		0.00	0.00
010	EMPLOYEES(INCLUDING ACCRUED INTEREST)	0.00	0.00
011	SECURED	54,233,333.89	55,152,734.82
012	UNSECURED	45,426,044.49	43,911,462.06
013	WITH SIGNIFICANT INCREASE IN CREDIT RISK	0.00	0.00
014	CREDIT IMPAIRED	0.00	0.00
015	LESS : EMPLOYEE LOANS DISCOUNTING	0.00	0.00
016	SECURED	13,238,448.62	14,470,212.62
017	UNSECURED	8,618,596.86	7,569,691.90
018	LOAN TO STATE GOVERNMENT IN SETTLEMENT OF DUES FROM CUSTOMERS (UNSECURED)	0.00	0.00
019	OTHERS	0.00	0.00
020	SECURED	0.00	0.00
021	UNSECURED	0.00	0.00
022	WITH SIGNIFICANT INCREASE IN CREDIT RISK	0.00	0.00
023	CREDIT IMPAIRED	0.00	0.00
024	LESS: ALLOWANCE FOR CREDIT IMPAIRED LOANS	0.00	0.00
026	**SUB TOTAL**	**77,802,332.90**	**77,024,292.36**
027		0.00	0.00
028	**TOTAL**	**77,802,332.90**	**77,024,292.36**
029		0.00	0.00
030		0.00	0.00
031	**Due from Directors and Officers of the Company**	**0.00**	**0.00**
032	Directors	0.00	0.00
033	Officers	0.00	0.00
034		**0.00**	**0.00**
035	**Loans to related parties include:**	**0.00**	**0.00**
036	i)Key management personel	0.00	0.00
037	ii)Subsidiary companies	0.00	0.00
038	iii)Joint Venture companies	0.00	0.00
039	iv)Others	0.00	0.00
040		**0.00**	**0.00**
055	Other loans represent loans given to	0.00	0.00
056	a) APIIC	0.00	0.00
061		0.00	0.00
062	RPD	0.00	0.00
063	i)Key management personel	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 9 TO THE FS-NCA-LOANS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
064	ii)Subsidiary companies	0.00	0.00
065	iii)Joint Venture companies	0.00	0.00
066	iv)Others	0.00	0.00
067	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 10 TO THE FS-NCA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	Non-current financial assets - Trade receivables	0.00	0.00
002	UNSECURED, CONSIDERED GOOD	0.00	0.00
003	CREDIT IMPAIRED	0.00	0.00
004		0.00	0.00
006	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

ANNEXURE TO NOTE 9- RPD (LOANS) SUBSIDIARIES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
010		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 11 TO THE FS-NCA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**Other Financial Assets (non current)**	**0.00**	**0.00**
002		0.00	0.00
003	**Share application money pending allotment in (Subsidiary Companies) :**	**0.00**	**0.00**
004	NTPC Electric Supply Company Ltd.	0.00	0.00
005	NTPC Vidyut Vyapar Nigam Ltd.	0.00	0.00
006	Nabinagar Power Generating Company Ltd.	0.00	0.00
007	Kanti Bijlee Utpadan Nigam Ltd.	0.00	0.00
008	Bhartiya Rail Bijlee Company Ltd.	0.00	0.00
009	Patratu Vidyut Utpadan Nigam Ltd.	0.00	0.00
010	NTPC Mining Limited	0.00	0.00
011	THDC Ltd.	0.00	0.00
012	NEEPCO Ltd	0.00	0.00
013		0.00	0.00
014	**Total**	**0.00**	**0.00**
015	**Share application money pending allotment (Joint Venture)**	**0.00**	**0.00**
016	Utility Powertech Ltd.	0.00	0.00
017	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
018	NTPC-SAIL Power Company Ltd.	0.00	0.00
019	NTPC-Tamil Nadu Energy Company Ltd.	0.00	0.00
020	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
021	Aravali Power Company Private Ltd.	0.00	0.00
022		0.00	0.00
023	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
024	Meja Urja Nigam Private Limited	0.00	0.00
025	BF-NTPC Energy Systems Ltd.	0.00	0.00
026	Anushakti Vidhyut Nigam Ltd.	0.00	0.00
027	Nabinagar Power Generating Company Ltd.	0.00	0.00
028	Energy Efficiency Services Ltd.	0.00	0.00
029	National High Power Test Labortory Private Ltd.	0.00	0.00
030		0.00	0.00
031	CIL NTPC Urja Private Ltd.	0.00	0.00
032	Trincomalee Power Company Ltd.	0.00	0.00
033	Hindustan Urvarak & Rasayan Limited	0.00	0.00
034	Bangladesh-India Friendship Power Company Private Ltd.	0.00	0.00
035	**Sub Total**	**0.00**	**0.00**
036		0.00	0.00
037	Claims Recoverable	0.00	0.00
038	Finance Lease Recoverable	0.00	0.00
039	Mine Closure Deposit	0.00	0.00
040	Financial Deposit	0.00	0.00
041		0.00	0.00
042	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 12 TO THE FS-NCA-OTHER NON-CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**Other Non-current Assets**	**0.00**	**0.00**
002		**0.00**	**0.00**
003	**CAPITAL ADVANCES**	**0.00**	**0.00**
004	SECURED	0.00	0.00
005	Unsecured	0.00	0.00
006	COVERED BY BANK GUARANTEE	562,254,846.00	638,419,563.09
007	OTHERS	443,092,693.47	337,632,553.79
008	CONSIDERED DOUBTFUL	176,846,876.71	176,846,876.71
009	LESS: ALLOWANCE FOR BAD & DOUBTFUL ADVANCES	176,846,876.71	176,846,876.71
010	**Sub-Total**	**1,005,347,539.47**	**976,052,116.88**
011		0.00	0.00
012	Advances other than capital advances	0.00	0.00
013	SECURITY DEPOSITS	1,934,000.00	1,934,000.00
019	Advances to Related parties	0.00	0.00
022	**Advances to Contractors & Suppliers**	**0.00**	**0.00**
023	SECURED	0.00	0.00
024	UNSECURED	0.00	0.00
025	CONSIDERED DOUBTFUL	1,125,700,000.00	1,125,700,000.00
026	LESS: ALLOWANCE FOR BAD & DOUBTFUL ADVANCES	1,125,700,000.00	1,125,700,000.00
027	**Sub Total**	**1,934,000.00**	**1,934,000.00**
028	RECEIVABLE FROM MCP ESCROW A/C	0.00	0.00
029	Pre Paid expenses	0.00	0.00
039	ADVANCE TAX & TAX DEDUCTED AT SOURCE	3,330,954.96	3,444,384.76
040	LESS:- PROVISION FOR CURRENT TAX	0.00	0.00
041		0.00	0.00
042	**Sub Total**	**3,330,954.96**	**3,444,384.76**
043	DEFERRED PAYROLL EXPENSES (SECURED)	10,448,282.97	11,688,456.37
044	DEFERRED PAYROLL EXPENSES (UNSECURED)	6,289,730.59	5,323,860.82
045	**Sub Total**	**16,738,013.56**	**17,012,317.19**
046	DEFERRED FOREIGN CURRENCY FLUCTUATION ASSET	10,053,000.00	0.00
049		0.00	0.00
050	**Total**	**1,037,403,507.99**	**998,442,818.83**
051		0.00	0.00
052		0.00	0.00
062	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
064		0.00	0.00
065	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
066		0.00	0.00
067	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
068	Aravali Power Company Private Ltd.	0.00	0.00
069	NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 12 TO THE FS-NCA-OTHER NON-CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
070	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
071	Meja Urja Nigam Private Limited	0.00	0.00
072	Nabinagar Power Generating Company Ltd.	0.00	0.00
073	National High Power Test Labortory Private Ltd.	0.00	0.00
075	CIL NTPC Urja Private Ltd.	0.00	0.00
077		0.00	0.00
078	**Related Party (Adv)**	**0.00**	**0.00**
079	Key Management personel	0.00	0.00
080	Subsidiary companies	0.00	0.00
081	Joint Venture companies	0.00	0.00
082	Contractors	0.00	0.00
083	Others	0.00	0.00
085		0.00	0.00
086	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 13 TO THE FS-CA-INVENTORIES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**INVENTORIES**	**0.00**	**0.00**
002		**0.00**	**0.00**
003	Coal	4,263,863,405.24	1,698,791,164.75
004	Fuel oil	289,278,877.94	266,064,636.42
005	Naphtha	0.00	0.00
006	Stores and spares	3,055,564,246.96	2,770,514,770.63
007	Chemicals & consumables	240,130,822.43	186,608,330.09
008	Loose tools	8,368,783.16	8,698,294.04
009	Others	1,087,631,393.54	937,225,799.53
010		0.00	0.00
011		0.00	0.00
012	**Sub Total**	**8,944,837,529.27**	**5,867,902,995.46**
013	Less: Provision for shortages	67,178,595.60	85,548,877.87
014	Less: Provision for obsolete/ unservicable/dimunition in value of surplus inventory	151,488,267.04	140,111,520.15
016		0.00	0.00
017	**Total**	**8,726,170,666.63**	**5,642,242,597.44**
018	**Inventories include material in transit**	**0.00**	**0.00**
019	Coal	223,798,030.00	614,211,499.60
020	Fuel oil	0.00	0.00
021	Naphtha	0.00	0.00
022	Stores and spares	7,376,847.38	11,757,937.78
023	Chemicals & consumables	93,260.50	93,260.50
024	Loose tools	0.00	0.00
025	Others	27,990,913.70	6,651,074.12
026		**0.00**	**0.00**
028		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 14 TO THE FS-CA-OTHER INVESTMENTS

(Amount in ₹)

	As at	No. of shares	Face value	31.03.2024	31.03.2023
001	**CURRENT INVESTMENTS**			**0.00**	**0.00**
002	**(Valuation as per Note 1)**			**0.00**	**0.00**
003	Jhabua Power Limited-8.5% Non convertible debentures - private placement			0.00	0.00
033	Investment in Mutual Funds (Details as under)			0.00	0.00
034	SBI-Magnum Insta Cash Fund-DDR			0.00	0.00
035	SBI Premier Liquid Fund Super-IP-DDR			0.00	0.00
036	SBI-SHF Ultra Short Term Fund-IP-DDR			0.00	0.00
037	UTI Money Market- IP-Direct-Growth			0.00	0.00
038	IDBI-Liquid plan- Direct-Growth			0.00	0.00
039	Canara Robeco Liquid Fund Super-IP-DDR			0.00	0.00
040	Canara Robeco Treasury Advantage Fund Super-IP-DDR			0.00	0.00
041	IDBI Liquid Fund-DDR			0.00	0.00
042	SBI Premier Liquid fund-Direct DDR (Ash Fund)			0.00	0.00
043	UTI Liquid CashPlan - IP - DDR (Ash Funds)			0.00	0.00
044	IDBI Liquid Fund - DDR - (Ash Funds)			0.00	0.00
045	Baroda Liquid Fund - Direct - Growth			0.00	0.00
046				0.00	0.00
047				0.00	0.00
048	**Sub Total**			**0.00**	**0.00**
049				**0.00**	**0.00**
052	**Unquoted Investments**			**0.00**	**0.00**
054				0.00	0.00
066	**TOTAL**			**0.00**	**0.00**
067				0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 15 TO THE FS-CA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**TRADE RECEIVABLES (current)***	**0.00**	**0.00**
002		0.00	0.00
003	Secured,Considered Good	0.00	0.00
004	Unsecured , considered good	448,061.36	2,880,182.19
005	Credit impaired	0.00	0.00
006	Unbilled Revenue	0.00	0.00
007	**Sub-Total**	**448,061.36**	**2,880,182.19**
008	**Total**	**448,061.36**	**2,880,182.19**
009	Less: Allowance for credit impaired receivables	0.00	0.00
010	**Total**	**448,061.36**	**2,880,182.19**
012	Less: Discom Clearing	0.00	0.00
014		0.00	0.00
015	**Grand Total**	**448,061.36**	**2,880,182.19**
016	Other Unsecured	0.00	0.00
017	Long-term trade receivables	0.00	0.00
018	TCS Clearing	0.00	0.00
019	Discom Clearing	0.00	0.00
228	**Trade Receivable**	**0.00**	**0.00**
230	Not due	0.00	0.00
231	Due	0.00	0.00
232	(i) Undisputed Trade receivables # considered good	448,061.36	2,880,182.19
233	(ii) Undisputed Trade Receivables # which have significant increase in credit risk	0.00	0.00
234	(iii) Undisputed Trade Receivables # credit impaired	0.00	0.00
235	(iv) Disputed Trade Receivables#considered good	0.00	0.00
236	(v) Disputed Trade Receivables # which have significant increase in credit risk	0.00	0.00
237	(vi) Disputed Trade Receivables # credit impaired	0.00	0.00
238	Unbilled	0.00	0.00
239	**Total**	**448,061.36**	**2,880,182.19**
240		0.00	0.00
241	**(i) Undisputed Trade receivables # considered good**	**0.00**	**0.00**
242	Less than 6 months	0.00	1,714,567.15
243	6 months -1 year	0.00	436,952.02
244	1-2 years	0.00	295,715.05
245	2-3 years	57,204.31	407,468.81
246	More than 3 years	390,857.05	25,479.16
247	**Sub Total (I)**	**448,061.36**	**2,880,182.19**
248	**(ii) Undisputed Trade Receivables # which have significant increase in credit risk**	**0.00**	**0.00**
249	Less than 6 months	0.00	0.00
250	6 months -1 year	0.00	0.00
251	1-2 years	0.00	0.00
252	2-3 years	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 15 TO THE FS-CA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
253	More than 3 years	0.00	0.00
254	**Sub Total (II)**	**0.00**	**0.00**
255	**(iii) Undisputed Trade Receivables -credit impaired**	**0.00**	**0.00**
256	Less than 6 months	0.00	0.00
257	6 months -1 year	0.00	0.00
258	1-2 years	0.00	0.00
259	2-3 years	0.00	0.00
260	More than 3 years	0.00	0.00
261	**Sub Total (III)**	**0.00**	**0.00**
262		0.00	0.00
263	**(iv) Disputed Trade Receivables#considered good**	**0.00**	**0.00**
264	Less than 6 months	0.00	0.00
265	6 months -1 year	0.00	0.00
266	1-2 years	0.00	0.00
267	2-3 years	0.00	0.00
268	More than 3 years	0.00	0.00
269	**Sub Total (IV)**	**0.00**	**0.00**
270	**(v) Disputed Trade Receivables # which have significant increase in credit risk**	**0.00**	**0.00**
271	Less than 6 months	0.00	0.00
272	6 months -1 year	0.00	0.00
273	1-2 years	0.00	0.00
274	2-3 years	0.00	0.00
275	More than 3 years	0.00	0.00
276	**Sub Total (V)**	**0.00**	**0.00**
277	**(vi) Disputed Trade Receivables # credit impaired**	**0.00**	**0.00**
278	Less than 6 months	0.00	0.00
279	6 months -1 year	0.00	0.00
280	1-2 years	0.00	0.00
281	2-3 years	0.00	0.00
282	More than 3 years	0.00	0.00
283	**Sub Total (VI)**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 16 TO THE FS-CA-CASH AND CASH EQUIVALENTS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**CASH & BANK BALANCES**	**0.00**	**0.00**
002	**Cash & Cash Equivalents**	**0.00**	**0.00**
003	Balances with Banks	0.00	0.00
004	Cheques & Drafts on hand	0.00	0.00
005	Cash on hand	0.00	0.00
006	Others (stamps in hand)	0.00	0.00
007	Bank deposits with original maturity upto three months	0.00	0.00
008	Balances with RBI	0.00	0.00
009		0.00	0.00
011	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 17 TO THE FS-CA-BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS (Amount in ₹)

	As at	31.03.2024	31.03.2023
001	**Other Bank Balances**	**0.00**	**0.00**
002	Deposits with original maturity of more than three months but not more than twelve months	0.00	0.00
003	Earmarked balances with banks*	0.00	0.00
004	**SubTotal**	**0.00**	**0.00**
005	Interest accrued on deposits	0.00	0.00
006		0.00	0.00
008	**Total**	**0.00**	**0.00**
009		0.00	0.00
010	**Earmarked balances with banks consist of :**	**0.00**	**0.00**
011	Unpaid dividend account balance	0.00	0.00
012	Towards public deposit repayment reserve	0.00	0.00
013	Towards redemption of bonds due for repayment within one year	0.00	0.00
014	Security with Government/other authorities	0.00	0.00
015	Unpaid refund/interest account balance - Tax free bonds/ Bonus Debentures	0.00	0.00
016	Earmarked for RGGVY/DDUGJY/SAUBHAGYA Fund/RDSS	0.00	0.00
017	Earmarked for Flyash Utilisation Reserve Fund	0.00	0.00
018	Deposits with original maturity upto three months as per court orders	0.00	0.00
019	Payment Security Scheme of MNRE NSM (NTPC)	0.00	0.00
020	Payment Security Scheme of MNRE NSM (NVVN)	0.00	0.00
021	Enforcement Directorate of Solar Plant(NVVN)	0.00	0.00
022	Bank guarantee Fund of MNRE (NVVN)	0.00	0.00
023	Others	0.00	0.00
024	Margin Money	0.00	0.00
025		0.00	0.00
026		0.00	0.00
027		0.00	0.00
031	**Total**	**0.00**	**0.00**
032		0.00	0.00
033	Bank deposits with original maturity of less than three months- other than earmarked	0.00	0.00
034	Bank deposits with original maturity of more than three months but not more than twelve months- other than earmarked	0.00	0.00
035	Earmarked bank balances (current account)	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 18 TO THE FS-CA-LOANS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**Current financial assets - Loans**	**0.00**	**0.00**
002	**Loans (current)-including interest accrued**	**0.00**	**0.00**
004	**Related Parties**	**0.00**	**0.00**
005	Secured	0.00	0.00
006	Un-Secured	0.00	0.00
007	With significant increase in Credit Risk	0.00	0.00
008	Credit impaired	0.00	0.00
009		**0.00**	**0.00**
010	**Employees**	**0.00**	**0.00**
011	Secured	14,820,212.67	16,148,293.64
012	Unsecured	47,002,136.01	56,192,394.39
013	With significant increase in Credit Risk	0.00	0.00
014	Credit impaired	0.00	0.00
015	Less : Employee Loans Discounting	0.00	0.00
016	**Loan to State Government in settlement of dues from customers (Unsecured)**	**0.00**	**0.00**
017		0.00	0.00
018	**Others**	**0.00**	**0.00**
019	Secured	0.00	0.00
020	Unsecured	0.00	0.00
021	With significant increase in Credit Risk	0.00	0.00
022	Credit impaired	0.00	0.00
023		**0.00**	**0.00**
024	Less: Allowance for credit impaired loans	0.00	0.00
026		0.00	0.00
027	**Total (Loans)**	**61,822,348.68**	**72,340,688.03**
028		**0.00**	**0.00**
029	**Due from Directors and Officers of the Company**	**0.00**	**0.00**
030	Directors	0.00	0.00
031	Officers	0.00	0.00
032		**0.00**	**0.00**
033	**Loans to related parties include:**	**0.00**	**0.00**
034	i)Key management personel	0.00	0.00
035	ii)Subsidiary companies	0.00	0.00
036	KBUNL	0.00	0.00
037	RGPPL	0.00	0.00
038	NVVN	0.00	0.00
039	iii)Joint Venture companies	0.00	0.00
040	iv)others	0.00	0.00
041		0.00	0.00
060	RPD	0.00	0.00
061	i)Key management personel	0.00	0.00
062	ii)Subsidiary companies	0.00	0.00
063	iii)Joint Venture companies	0.00	0.00
064	iv)Others	0.00	0.00
065		0.00	0.00

NOTE NO. 18 TO THE FS-CA-LOANS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
066	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 19 TO THE FS-CA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**Other Financial Assets (current)**	**0.00**	**0.00**
002		0.00	0.00
003	**ADVANCES**	**0.00**	**0.00**
004		**0.00**	**0.00**
005	**Related Parties**	**0.00**	**0.00**
006	Secured	0.00	0.00
007	Un-Secured	-4,979,914.58	-3,420,052.65
008	Considered doubtful	0.00	0.00
009		**0.00**	**0.00**
010	**Employees**	**0.00**	**0.00**
012	Unsecured	2,659,826.56	3,531,138.65
013	Considered Doubtful	100,553.00	0.00
014		**0.00**	**0.00**
020	**Others**	**0.00**	**0.00**
021	Secured	0.00	0.00
022	Unsecured	5,000,000.00	5,000,000.00
023	Considered Doubtful	0.00	0.00
024		**0.00**	**0.00**
025	Less: Allowance for bad & doubtful advances	100,553.00	100,553.00
026		**0.00**	**0.00**
033	**Total (Advances)**	**2,679,911.98**	**5,010,533.00**
044		**0.00**	**0.00**
045	**Claims Recoverable**	**0.00**	**0.00**
046	Secured	0.00	0.00
047	Unsecured, considered good	1,135,932.24	801,948.99
048	Considered Doubtful	0.00	0.00
049	Less:- Allowance for doubtful claims	0.00	0.00
050	Others-Claims Recoverable	0.00	0.00
051		**0.00**	**0.00**
052	Contract Asset- Revenue	516,995,810.00	405,136,373.00
053	Hedging cost recoverable from beneficiaries	0.00	0.00
054	Derivative MTM Asset	0.00	0.00
055	Finance Lease Receivable	0.00	0.00
056	Mine Closure Deposit	0.00	0.00
057	Financial Deposit	0.00	0.00
059	**Other Accrued Income**	**0.00**	**0.00**
060	Secured,Considered Good	0.00	0.00
061	Unsecured , considered good	23,489,752.85	11,391,134.73
062	Credit impaired	0.00	0.00
063		0.00	0.00
064	**Sub-Total**	**23,489,752.85**	**11,391,134.73**
065	Less: Allowance for credit impaired receivables	0.00	0.00
066	**Total**	**23,489,752.85**	**11,391,134.73**
067		0.00	0.00
068	Others*	0.00	0.00
070		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 19 TO THE FS-CA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
071	**Total**	**544,301,407.07**	**422,339,989.72**
072	* Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00
073	**Advances to related parties include:**	**0.00**	**0.00**
074	i)Key management personel	0.00	0.00
075		0.00	0.00
076	iii)Joint Venture companies	0.00	0.00
077		0.00	0.00
078	v)Others	0.00	0.00
079		**0.00**	**0.00**
080	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
081	Related Party (Adv)- Employee	0.00	0.00
082	Related Party (Adv)- Subsidiaries	-4,979,914.58	-3,420,052.65
083	Related Party (Adv)- Joint Ventures	0.00	0.00
084		0.00	0.00
085	Related Party (Adv)- Others	0.00	0.00
086		0.00	0.00
099		0.00	0.00
100		0.00	0.00
101	**Total**	**-4,979,914.58**	**-3,420,052.65**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 20 TO THE FS-CA-OTHER CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**OTHER CURRENT ASSETS**	**0.00**	**0.00**
002	Security Deposits (Unsecured)	0.00	0.00
003	Deposit with Customs, port trust & others*	5,000,655,458.00	5,000,655,458.00
004	**ADVANCES**	**0.00**	**0.00**
005		**0.00**	**0.00**
006	**Related Parties**	**0.00**	**0.00**
007	Secured	0.00	0.00
008	Un-Secured	2,853,764.00	0.00
009	Considered doubtful	0.00	0.00
010		**0.00**	**0.00**
011	**Employees(including imprest)**	**0.00**	**0.00**
012	Secured	0.00	0.00
013	Unsecured	202,342.00	588,568.40
014	Considered Doubtful	0.00	0.00
015		**0.00**	**0.00**
016	**Contractors & Suppliers**	**0.00**	**0.00**
017	Secured	0.00	0.00
018	Unsecured	3,411,221,851.43	3,021,670,318.88
019	Considered Doubtful	655,458.00	655,458.00
020		0.00	0.00
021	**Others****	**0.00**	**0.00**
022	Secured	0.00	0.00
023	Unsecured	15,229,417.91	14,904,675.55
024	Considered Doubtful	0.00	0.00
025	Less: Allowance for bad & doubtful advances	655,458.00	655,458.00
026	Receivable from MCP Escrow A/c	0.00	0.00
027	Deferred Payroll Expenses (Secured)	1,968,020.52	2,112,831.14
028	Deferred Payroll Expenses (Unsecured)	3,109,845.51	3,191,000.68
029	**Sub-total**	**5,077,866.03**	**5,303,831.82**
030	**Interest accrued on :**	**0.00**	**0.00**
031	Advances to contractors	0.00	0.00
032		**0.00**	**0.00**
033	**Claims Recoverable**	**0.00**	**0.00**
034	Secured	0.00	0.00
035	Unsecured, considered good	7,632,901,280.30	9,368,105,551.77
036	Considered Doubtful	0.00	0.00
037	Less:- Allowance for doubtful claims	0.00	0.00
038		**0.00**	**0.00**
039	Deferred premium on forward exchange contract/ Option Assets	0.00	0.00
041		0.00	0.00
042	Others	208,848.03	243,755.75
043		0.00	0.00
045	**Total (Other Current Assets)**	**16,068,350,827.70**	**17,411,472,160.17**
046	**Include Prepaid Expenses	15,229,417.91	14,857,183.55
047	*Includes sales tax/Entry tax/VAT deposited under protest with Sales Tax Authorities	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 20 TO THE FS-CA-OTHER CURRENT ASSETS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
048	*Includes deposited with courts	0.00	0.00
049	*Includes deposited with LIC for annuity payments	0.00	0.00
050	* Includes deposits with WRD / against BG in r/o finance lease	0.00	0.00
051	Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00
053	**Advances to related parties include:**	**0.00**	**0.00**
054	i)Key management personel	0.00	0.00
055	ii)Subsidiary companies	0.00	0.00
056	iii)Joint Venture companies	0.00	0.00
057	Contractors	0.00	0.00
058	Others	0.00	0.00
059		0.00	0.00
060	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
061		**0.00**	**0.00**
062		0.00	0.00
063	Related Party (Adv)- Employee	0.00	0.00
064	Related Party (Adv)- Subsidiaries	0.00	0.00
065	Related Party (Adv)- Joint Venture	2,853,764.00	0.00
066		0.00	0.00
067		0.00	0.00
068	**Total**	**2,853,764.00**	**0.00**
069		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 21 TO THE FS-ASSETS HELD FOR SALE **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**ASSET HELD FOR SALE**	**0.00**	**0.00**
002		0.00	0.00
003	Assets held for Sale	0.00	0.00
004		0.00	0.00
005	**Total**	**0.00**	**0.00**
031		0.00	0.00
032	**Assets held for sale includes:-**	**0.00**	**0.00**
033		0.00	0.00
034	Land	0.00	0.00
035	Building	0.00	0.00
036	Plant and equipment	0.00	0.00
037	Other assets	0.00	0.00
038	**Total**	**0.00**	**0.00**
039		0.00	0.00
040		0.00	0.00
041		0.00	0.00
042		0.00	0.00
043		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 22 TO THE FS--REGULATORY DEFERRAL ACCOUNT DEBIT BALANCES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	On account of Exchange Differences	-125,266,720.66	-28,238,680.10
002	On account of employee benefit exp	0.00	128,504,135.71
003	Regulatory deferred account - deferred	0.00	0.00
004	Deferred asset for ash transportation	0.00	0.00
005	Deferred asset for Arbitration Award	0.00	0.00
008		0.00	0.00
009	**Total**	**-125,266,720.66**	**100,265,455.61**

FARAKKA SUPER THERMAL POWER STATION

ANNEXURE TO NOTE 9- RPD (LOANS) JOINT VENTURE **(Amount in ₹)**

As at	31.03.2024	31.03.2023

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 23 TO THE FS-EQUITY-EQUITY SHARE CAPITAL **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**SHARE CAPITAL**	**0.00**	**0.00**
002	**Equity Share Capital**	**0.00**	**0.00**
003	**Authorised**	**0.00**	**0.00**
004	16,60,00,00,000 equity shares of Rs.10/- each (Previous year 10,000,000,000 equity shares of Rs.10/- each)	0.00	0.00
005	**Issued,Subscribed and fully Paid-up**	**0.00**	**0.00**
006	9,69,66,66,134 equity shares of Rs.10/- (Pv. Year 9,894,557,280 equity shares of Rs.10/- each)	0.00	0.00
007		**0.00**	**0.00**
008	**Total**	**0.00**	**0.00**
009	During FY 2018-19, the company has issued 1,649,092,880 equity shares of Rs.10/- each as fully paid bonus shares	0.00	0.00
010	The holders of the equity shares are entitled to receive dividends as declared from time to time, and are entitled to one vote per share at meetings of the company.	0.00	0.00
011	Details of shareholders holding more than 5% shares in the company	0.00	0.00
012	- President of India	0.00	0.00
013	No. of Shares	0.00	0.00
014	% of holding	0.00	0.00
015	- Life Insurance Corporation of India/ICICI Prudential Mutual Fund	0.00	0.00
016	No. of Shares	0.00	0.00
017	% of holding	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 24 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	RESERVE AND SURPLUS	0.00	0.00
002		**0.00**	**0.00**
003	**Capital Reserve**	**0.00**	**0.00**
004	As per last financial statements	0.00	0.00
006	Add : Grants received during the year	0.00	0.00
007	Add: Transfer from Surplus	0.00	0.00
008	Less: Write back during the year/period	0.00	0.00
009	Less: Adjustments during the year/period	0.00	0.00
010	**SUB-TOTAL**	**0.00**	**0.00**
011		0.00	0.00
017		0.00	0.00
018	**SECURITIES PREMIUM ACCOUNT**	**0.00**	**0.00**
019	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
020	ADD: ADDITIONS DURING THE YEAR/PERIOD	0.00	0.00
021	LESS: ADJUSTMENTS DURING THE YEAR/PERIOD	0.00	0.00
022	**SUB-TOTAL**	**0.00**	**0.00**
023	**BONDS REDEMPTION RESERVE**	**0.00**	**0.00**
024	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
025	ADD: TRANSFER FROM SURPLUS	0.00	0.00
026	LESS: TRANSFER TO SURPLUS ON REDEMPTION	0.00	0.00
027	LESS: ADJUSTMENTS DURING THE YEAR/ PERIOD	0.00	0.00
028	**SUB-TOTAL**	**0.00**	**0.00**
029	**CAPITAL REDEMPTION RESERVE**	**0.00**	**0.00**
030	As per last financial statements	0.00	0.00
031	Add: Transfer from Surplus	0.00	0.00
032	Less: Transfer to surplus on redemption	0.00	0.00
033	Less: Adjustments during the year/ period	0.00	0.00
034	**Sub-Total**	**0.00**	**0.00**
035	**Share Application money pending Allotment**	**0.00**	**0.00**
036	As per last financial statements	0.00	0.00
037	Add: Addition during the year	0.00	0.00
038	Less: Utlised for allotment during the year	0.00	0.00
039	Less: Adjustments during the year/ period	0.00	0.00
040	**SUB-TOTAL**	**0.00**	**0.00**
046	**FLY-ASH UTILISATION RESERVE FUND**	**0.00**	**0.00**
047	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
048	TRANSFERRED TO CC	0.00	0.00
049	ADD:TRANSFER FROM REVENUE FROM OPERATIONS	97,115,706.98	94,206,248.27
050	ADD:TRANSFER FROM OTHER INCOME	0.00	0.00
051	LESS: UTILISED DURING THE YEAR	0.00	0.00
052	TANGIBLE ASSETS	0.00	0.00
053	EMPLOYEE BENEFIT EXPENSES	0.00	0.00
054	GENERATION,ADMN. AND OTHER EXPENSES	97,115,706.98	94,206,248.27

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 24 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
055	TAX EXPENSES	0.00	0.00
056	**SUB-TOTAL**	**0.00**	**0.00**
057	Self Insurance Reserve	0.00	0.00
058	As per last financial statements	0.00	0.00
059	Add: Addition during the year	0.00	0.00
060	Less: Utlised for allotment during the year	0.00	0.00
061	Less: Adjustments during the year/ period	0.00	0.00
062	SUB-TOTAL	0.00	0.00
063	**SPECIAL ALLOWANCE RESERVE FUND**	**0.00**	**0.00**
064	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
065	ADD: ADDITION DURING THE YEAR	0.00	0.00
066	LESS: UTLISED FOR ALLOTMENT DURING THE YEAR	0.00	0.00
067	LESS: ADJUSTMENTS DURING THE YEAR/ PERIOD	0.00	0.00
068	**SUB-TOTAL**	**0.00**	**0.00**
069	**CORPORATE SOCIAL RESPONSIBILITY (CSR) RESERVE**	**0.00**	**0.00**
070	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
071	ADD : TRANSFER FROM SURPLUS	0.00	0.00
072	LESS:-WRITE BACK DURING THE YEAR	0.00	0.00
073	**SUB-TOTAL**	**0.00**	**0.00**
074	**GENERAL RESERVE**	**0.00**	**0.00**
075	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
076	ADD: TRANSFER FROM SURPLUS	0.00	0.00
077	LESS: TRANSFER TO SURPLUS	0.00	0.00
078	LESS: WRITE BACK DURING THE YEAR /PERIOD	0.00	0.00
079	LESS: ADJUSTMENTS DURING THE YEAR /PERIOD	0.00	0.00
080	**SUB-TOTAL**	**0.00**	**0.00**
081		**0.00**	**0.00**
082	**RETAINED EARNINGS**	**0.00**	**0.00**
083	AS PER LAST FINANCIAL STATEMENTS	93,155,820,800.88	86,399,028,589.88
084	ADD(LESS):-CHANGES IN ACCOUNTING POLICY / PRIOR PERIOD ERRORS	0.00	0.00
085	ADD(LESS):-PROFIT (LOSS) AFTER TAX FOR THE YEAR FROM STATEMENT OF PROFIT & LOSS	5,846,022,737.01	6,756,792,211.00
087	ADD: WRITE BACK FROM BOND REDEMPTION RESERVE	0.00	0.00
088	ADD: WRITE BACK FROM CAPITAL RESERVE	0.00	0.00
089	ADD: WRITE BACK FROM FOREIGN PROJECT RESERVE	0.00	0.00
090	ADD: WRITE BACK FROM CSR RESERVE	0.00	0.00
091	ADD: WRITE BACK FROM GENERAL RESERVE	0.00	0.00
093	LESS: TRANSFER TO BONDS REDEMPTION RESERVE	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 24 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
094	LESS: TRANSFER TO SPECIAL ALLOWANCE RESERVE FUND	0.00	0.00
095	LESS: TRANSFER TO FOREIGN PROJECT RESERVE	0.00	0.00
096	LESS:TRANSFER TO CAPITAL RESERVE	0.00	0.00
097	LESS:TRANSFER TO CSR RESERVE	0.00	0.00
098	LESS:TRANSFER TO GENERAL RESERVE	0.00	0.00
099	LESS:INTERIM DIVIDEND PAID	0.00	0.00
100	LESS:TAX ON INTERIM DIVIDEND PAID	0.00	0.00
101	LESS:FINAL DIVIDEND PAID	0.00	0.00
102	LESS:TAX ON FINAL DIVIDEND PAID	0.00	0.00
103	LESS: ISSUE OF BONUS DEBENTURE	0.00	0.00
104	LESS: TAX ON ISSUE OF BONUS DEBENTURE	0.00	0.00
105	**SUB-TOTAL**	**99,001,843,537.89**	**93,155,820,800.88**
110		0.00	0.00
111	**REMEASUREMENT OF DEFINED BENEFIT PLANS**	**0.00**	**0.00**
112	AS PER LAST FINANCIAL STATEMENTS	-328,621,078.03	-293,955,682.82
113	ADD/(LESS):- ACTUARIAL GAINS/LOSS THROUGH OCI	6,409,265.36	-34,665,395.21
114	**SUB-TOTAL**	**-322,211,812.67**	**-328,621,078.03**
115		0.00	0.00
116	**FVTOCI Reserve**	**0.00**	**0.00**
117	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00
118	ADD(LESS):-NET GAIN/LOSS OF EQUITY INSTRUMENTS THROUGH OCI	0.00	0.00
119	**Sub-Total**	**0.00**	**0.00**
120		**0.00**	**0.00**
121	**Total Other equity**	**98,679,631,725.22**	**92,827,199,722.85**
122		0.00	0.00
123		0.00	0.00
124		0.00	0.00
125		0.00	0.00
126		0.00	0.00
127		0.00	0.00
128	The fly ash utilization reserve fund is controlled at Corporate Centre.	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 25 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**LONG TERM BORROWINGS**	**0.00**	**0.00**
002	**Bonds**	**0.00**	**0.00**
003	**Secured**	**0.00**	**0.00**
004	7.37 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3A).	0.00	0.00
005	7.62 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3 B).	0.00	0.00
006	8.61% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2034 (Fifty First Issue C - Private Placement)	0.00	0.00
007	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3A)	0.00	0.00
008	8.91% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3B)	0.00	0.00
009	7.37% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 14th December 2031 (Sixty Sixth Issue - Private Placement)	0.00	0.00
010	7.49% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 7th November 2031 (Sixty Fourth Issue - Private Placement)	0.00	0.00
011	7.28 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series	0.00	0.00

	As at	31.03.2024	31.03.2023
	2A)		
012	7.53 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series 2 B).	0.00	0.00
013	7.32% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 17 July 2029 (Sixty Ninth Issue - Private Placement)	0.00	0.00
014	8.63% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2029 (Fifty First Issue B - Private Placement)	0.00	0.00
015	8.30% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 15 January 2029 (Sixty Seventh Issue - Private Placement)	0.00	0.00
016	8.48% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2A)	0.00	0.00
017	8.73% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2B)	0.00	0.00
018	7.47% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 16th September 2026 (Sixty Third Issue - Private Placement)	0.00	0.00
019	7.58% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in	0.00	0.00

	As at	31.03.2024	31.03.2023
	full on 23rd August 2026 (Sixty Second Issue - Private Placement)		
020	8.05% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 5th May 2026 (Sixtieth Issue - Private Placement)	0.00	0.00
021	8.19% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 15th December 2025 (Fifty Seventh Issue - Private Placement)	0.00	0.00
022	7.11 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1A).	0.00	0.00
023	7.36 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1 B).	0.00	0.00
024	7.15% Tax free secured non-cumulative non-convertible redeemable bonds - 2015 of Rs. 10,00,000/- each redeemable at par in full on 21st August 2025 (Fifty Fifth Issue - Private Placement)	0.00	0.00
025	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 22nd September 2024 (53rd Issue - private placement).	0.00	0.00
026	9.34% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 24th March 2024 (Fifty Second Issue - private placement)	0.00	0.00
027	8.19% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 10,00,000/- each redeemable at	0.00	0.00

	As at	31.03.2024	31.03.2023
	par in full on 4th March 2024 (Fifty First Issue A - Private Placement)		
028	8.41% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (Fiftieth Issue - Public Issue - Series 1A)	0.00	0.00
029	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (Fiftieth Issue - Public Issue - Series 1B)	0.00	0.00
030	9.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 4th May 2023 and ending on 4th May 2027 (Forty fourth issue - private placement)VII	0.00	0.00
031	8.48% Secured non-cumulative non-nonvertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 1st May 2023 (Seventeenth issue - private placement)I	0.00	0.00
032	8.80% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th April 2023 (Forty ninth issue -private placement	0.00	0.00
033	8.49% Secured non-cumulative non-convertible redeemable taxable fully paid-up bonus debentures of Rs. 12.50 each redeemable at par in three annual installments of Rs. 2.50, Rs. 5.00 and Rs. 5.00 at the end of 8th year, 9th year and 10th year on 25th March 2023, 25th March 2024 and 25th March 2025 respectively (Fifty Fourth Issue -Bonus Debentures)X - (refer Note 5 d)	0.00	0.00
034	8.73% Secured non-cumulative	0.00	0.00

	As at	31.03.2024	31.03.2023
	non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 07th March 2023 (Forty eighth issue - private placement)		
035	9.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 25th January 2023 and ending on 25th January 2027 (Forty second issue- private placement)III	0.00	0.00
036	8.84% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th October 2022 (Forty seventh issue- private placement)VII	0.00	0.00
037	7.93% Secured non-cumulative non-convertible redeemable taxable bonds of ` 10,00,000/- each redeemable at par in full on 03 May 2022 (68th Issue - Private Placement)	0.00	0.00
038	6.72% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 24th November 2021 (Sixty Fifth Issue - Private Placement)	0.00	0.00
039	8.10% Secured Non-Cumulative Non-Convertible Redeemable Taxable Bonds of Rs. 30,00,000/- each redeemable at par in three equal separately transferable redeemable principal parts (STRPP) at the end of 5th year, 10th year & 15th year on 27th May 2021, 27th May 2026 and 27th May 2031 respectively (Sixty First Issue- Private Placement)	0.00	0.00
040	8.33% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 24th February 2021	0.00	0.00

	As at	31.03.2024	31.03.2023
	(Fifty Ninth Issue - Private Placement).		
042	8.93% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 19th January 2021 Thirty seventh issue - private placement)III	0.00	0.00
043	8.18% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 31st December 2020 (Fifty Eight Issue - Private Placement).	0.00	0.00
044	8.73 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 31st March 2020 (Thirty third issue- private placement)III	0.00	0.00
045	8.78 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 9th March 2020 (Thirty first issue- private placement)III	0.00	0.00
046	11.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in five equal annual installments commencing from 6th Nov 2019 and ending on 6th Nov 2023 (Twenty seventh issue - private placement)III	0.00	0.00
047	7.89% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 5th May 2019 (Thirtieth issue - private placement)III	0.00	0.00
048	8.65% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th February 2019 (Twenty ninth issue - private placement)III	0.00	0.00
049	7.50% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full	0.00	0.00

	As at	31.03.2024	31.03.2023
	on 12th January 2019 (Nineteenth issue - private placement)II		
050	11% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 21st November 2018 (Twenty eighth issue - private placement)III	0.00	0.00
051	9.3473% Secured non-cumulative non-convertible redeemable taxable bonds of ₹15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 20th July 2018 and ending on 20th July 2032 (Forty sixth issue - private placement)VII	0.00	0.00
052	9.4376% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 16th May 2018 and ending on 16th May 2032 (Forty fifth issue - private placement)VII	0.00	0.00
053	8.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 10th April 2018 (Sixteenth issue -private placement)I	0.00	0.00
054	9.2573% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 2nd March 2018 and ending on 2nd March 2032 (Forty third issue - private placement)III	0.00	0.00
055	9.6713% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

	As at	31.03.2024	31.03.2023
	of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 23rd December 2017 and ending on 23rd December 2031 (Forty first issue - private placement)III		
056	9.558% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 29th July 2017 and ending on 29th July 2031(Fourtieth issue-private placement)III	0.00	0.00
057	9.3896% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 9th June 2017 and ending on 9th June 2031(Thirty ninth issue-private placement)III	0.00	0.00
058	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 22nd March 2017 and ending on 22nd March 2031(Thirty eighth issue-private placement)III	0.00	0.00
059	8.8086% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th	0.00	0.00

	As at	31.03.2024	31.03.2023
	year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th December 2016 and ending on 15th December 2030 (Thirty sixth issue - private placement)III		
060	8.785% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th September 2016 and ending on 15th September 2030 (Thirty fifth issue - private placement)III	0.00	0.00
061	8.71% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 10th June 2016 and ending on 10th June 2030 (Thirty fourth issue - private placement)III	0.00	0.00
062	8.8493% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 25th March 2016 and ending on 25th March 2030 (Thirty second issue - private placement)III	0.00	0.00
063	9.37% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty fifth issue -	0.00	0.00

	As at	31.03.2024	31.03.2023
	private placement)III		
065	9.06% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty sixth issue - private placement)III	0.00	0.00
066	8.6077% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 9th September 2011 and ending on 9th March 2021 (Twenty fourth issue - private placement)IV	0.00	0.00
067	8.3796% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 5th August 2011 and ending on 5th February 2021 (Twenty third issue - private placement)IV	0.00	0.00
068	8.1771% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd July 2011 and ending on 2nd January 2021 (Twenty second issue - private placement)IV	0.00	0.00
069	7.7125% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd August 2010 and ending on 2nd February 2020 (Twenty first issue - private placement)V	0.00	0.00
070	7.552% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

	As at	31.03.2024	31.03.2023
	of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 23rd September 2009 and ending on 23rd March 2019 (Twentieth issue - private placement)VI		
071	9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each with ten equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of the 6th year and in annual installments thereafter upto the end of 15th year respectively from 30th April 2002 (Thirteenth issue - Part B - private placement)VIII	0.00	0.00
072	9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each redeemable at par in ten equal annual installments commencing from the end of 6th year and upto the end of 15th year respectively from 18th April 2002 (Thirteenth issue -Part A - private placement)VIII	0.00	0.00
075		0.00	0.00
076		0.00	0.00
077		0.00	0.00
078		0.00	0.00
079		0.00	0.00
080		0.00	0.00
081		0.00	0.00
082	**Sub Total**	**0.00**	**0.00**
083	**Unsecured**	**0.00**	**0.00**
084	6.55% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 17 April 2023 (Seventieth Issue - Private Placement)	0.00	0.00
085	6.29% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 11 April 2031 (Seventy First Issue - Private Placement)	0.00	0.00
086	5.45% Unsecured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

	As at	31.03.2024	31.03.2023
	of ₹ 10,00,000/- each redeemable at par in full on 15 October 2025 (Seventy Second Issue - Private Placement)		
087	6.43% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 27 January 2031 (Seventy Third Issue - Private Placement)	0.00	0.00
088	6.87% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 21 April 2036 (Seventy Fourth Issue - Private Placement)	0.00	0.00
089	6.69% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 13 September 2031 (Seventy Fifth Issue - Private Placement)	0.00	0.00
090	6.74% Unsecured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 14 April 2032 (Seventy Sixth Issue - Private Placement)	0.00	0.00
091	5.78% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 29 April 2024 (Seventy Seventh Issue - Private Placement)	0.00	0.00
092	7.44% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 25 August 2032 (Seventy Eighth Issue - Private Placement)	0.00	0.00
093	7.44% Unsecured non-cumulative non-convertible redeemable taxable bonds of ` 10,00,000/- each redeemable at par in full on 15 April 2033 (Seventy Ninth Issue - Private Placement)	0.00	0.00
094	7.35% Unsecured non-cumulative non-convertible redeemable taxable bonds of ` 1,00,000/- each redeemable at par in full on 17 April 2026 (Eightieth Issue - Private Placement)	0.00	0.00
095	7.48% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 1,00,000/- each redeemable at par in full on 21 March 2026 (Eighty First Issue - Private Placement)	0.00	0.00
096		0.00	0.00
097		0.00	0.00
098		0.00	0.00
099		0.00	0.00
100	**Sub-total**	**0.00**	**0.00**
101	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 25 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
102	**Foreign Currency Notes-Unsecured**	**0.00**	**0.00**
103	4.50% Fixed Rate Notes Due for repayment on 19th March 2028	0.00	0.00
104	2.75% Fixed rate notes due for repayment on 1st February 2027	0.00	0.00
105	4.25 % Fixed rate notes due for repayment on 26th February 2026	0.00	0.00
106	4.375% Fixed Rate Note due for repayment on 26th November 2024	0.00	0.00
107	4.75 % Fixed Rate Notes due for repayment on 3rd Oct 2022	0.00	0.00
108	7.25 % Fixed green global INR denominated bonds due on 3 May 2022	0.00	0.00
109	7.375 % Fixed green global INR denominated bonds due on 10 August 2021	0.00	0.00
110	5.625% Fixed Rate Notes due for repayment on 14th July 2021	0.00	0.00
111	3.75 % Fixed rate notes due for repayment on 03 April 2024	0.00	0.00
112		0.00	0.00
113		0.00	0.00
114		0.00	0.00
115	**Sub Total**	**0.00**	**0.00**
116	**Term Loans**	**0.00**	**0.00**
117	**From Banks**	**0.00**	**0.00**
118	**Secured**	**0.00**	**0.00**
119	Rupee Loans	0.00	0.00
120	**Unsecured**	**0.00**	**0.00**
121	Foreign Currency Loans	0.00	0.00
122	Rupee Loans	0.00	0.00
123	**From Others**	**0.00**	**0.00**
124	**Secured**	**0.00**	**0.00**
125	Rupee Loans	0.00	0.00
126	Foreign Currency loans (guaranteed by GOI)	0.00	0.00
127	**Unsecured**	**0.00**	**0.00**
128	Foreign Currency loans (guaranteed by GOI)	0.00	0.00
129	Other Foreign currency loans	0.00	0.00
131	Rupee Loans	0.00	0.00
132	**Deposits**	**0.00**	**0.00**
133	**Unsecured**	**0.00**	**0.00**
134	Fixed Deposits	0.00	0.00
135	**Others**	**0.00**	**0.00**
136	**Unsecured**	**0.00**	**0.00**
137	Bonds Application Money Pending Allotment	0.00	0.00
138	**Sub-total**	**0.00**	**0.00**
139	**Total**	**0.00**	**0.00**
140	Less:- Interst accrued but not due on secured	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 25 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
	borrowings		
141	Less:- Interst accrued but not due on unsecured borrowings	0.00	0.00
142	Less:- Current maturities of long term borrowings	0.00	0.00
143	Bonds-Secured	0.00	0.00
144	Fixed Rate Notes	0.00	0.00
146	Foreign currency loans from Banks- unsecured	0.00	0.00
147	Rupee loans from banks- Secured	0.00	0.00
148	Rupee loans from banks- unsecured	0.00	0.00
149	Rupee Term loan from Others - Secured	0.00	0.00
150	Foreign currency loans from others- unsecured (Guaranteed by GOI)	0.00	0.00
151	Other foreign currency loans from others- unsecured	0.00	0.00
152	Rupee loans from others- unsecured	0.00	0.00
153		0.00	0.00
154		0.00	0.00
155		0.00	0.00
156		0.00	0.00
157		0.00	0.00
158		0.00	0.00
159		0.00	0.00
160		0.00	0.00
161		0.00	0.00
201	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 26 TO THE FS-NCL-LEASE LIABILITIES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**Non-current financial liabilities - Lease liabilities**	**0.00**	**0.00**
002	**Lease liabilities**	**0.00**	**0.00**
003	Long term maturities of Finance Lease Liabilities (Secured) IX	0.00	0.00
004	Long term maturities of Finance Lease Liabilites (Unsecured) X	792,873,010.75	791,217,554.75
005	**Sub-Total**	**792,873,010.75**	**791,217,554.75**
006	**Less: current maturities of lease liabilities**	**0.00**	**0.00**
007	Finance Lease obligations - secured	0.00	0.00
008	Finance Lease obligations - unsecured	776,051,778.88	775,040,701.75
009	**Sub-Total**	**776,051,778.88**	**775,040,701.75**
011	**Total**	**16,821,231.87**	**16,176,853.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 27 TO THE FS-NCL-TRADE PAYABLES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**TRADE PAYABLES(NON CURRENT)**	**0.00**	**0.00**
002	**For Goods and Services**	**0.00**	**0.00**
003	- Micro & Small Enterprises	0.00	0.00
004	- Others	0.00	0.00
005		0.00	0.00
007	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 28 TO THE FS-NCL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**OTHER FINANCIAL LIABILITIES (NON-CURRENT)**	**0.00**	**0.00**
002	Payable for Capital Expenditure	0.00	0.00
003	- Micro & Small Enterprises	0.00	0.00
004	- Others	15,720,922.21	414,837.29
005	Contractual Obligations	39,183,971.52	564,779.48
006	Others	0.00	0.00
007	Deposits from contractors and others	0.00	0.00
008		0.00	0.00
009		0.00	0.00
011	**Total**	**54,904,893.73**	**979,616.77**
020		0.00	0.00
021	**Payable for Capital Expenditure - SD/retntion**	**0.00**	**0.00**
022	- Micro & Small Enterprises	0.00	0.00
023	- Others	1,938,295.98	414,837.29
024	**Sub-total**	**1,938,295.98**	**414,837.29**
025	**Contractual Obligations**	**0.00**	**0.00**
026	- Micro & Small Enterprises	20,036,948.45	93,384.07
027	- Others	19,147,023.07	471,395.41
028	**Sub-total**	**39,183,971.52**	**564,779.48**
029	**Total (24+28)**	**41,122,267.50**	**979,616.77**
030		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 29 TO THE FS-NCL-PROVISIONS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**LONG TERM PROVISIONS**	**0.00**	**0.00**
002	**Provision for Employee Benefits**	**0.00**	**0.00**
003	Opening Balance	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	0.00
005	**Closing Balance**	**0.00**	**0.00**
006		0.00	0.00
007	**Others**	**0.00**	**0.00**
008	**i) Mine Closure Provision**	**0.00**	**0.00**
009	Opening Balance	0.00	0.00
010	Additions during the year	0.00	0.00
011	Amounts adjusted during the year	0.00	0.00
012	Amounts reversed during the year	0.00	0.00
013	**Closing Balance**	**0.00**	**0.00**
014		0.00	0.00
015	**ii) Stripping Activity Adjustments**	**0.00**	**0.00**
016	Opening Balance	0.00	0.00
017	Additions during the year	0.00	0.00
018	Amounts adjusted during the year	0.00	0.00
019	Amounts reversed during the year	0.00	0.00
020	**Closing Balance**	**0.00**	**0.00**
021		0.00	0.00
024		0.00	0.00
026	**TOTAL**	**0.00**	**0.00**

NOTE NO. 30 TO THE FS-NCL-DEFERRED TAX LIABILITIES (NET) **(Amount in ₹)**

	As at	Opening Balance on 01.04.2023	Addition	Closing Balance on 31.03.2024
001	**DEFERRED TAX LIABILITIES (NET)**			
002	Difference of book depreciation and tax depreciation	0.00	0.00	0.00
003	Less: Deferred tax assets			
004	Provisions & Other disallowances for tax purposes	0.00	0.00	0.00
005	Unabsorbed Depreciation	0.00	0.00	0.00
006	Disallowances u/s 43B of the Income Tax Act, 1961	0.00	0.00	0.00
007	Others	0.00	0.00	0.00
008	Opening Balance	0.00	0.00	0.00
009	Additions during the year	0.00	0.00	0.00
010	Amounts adjusted during the year	0.00	0.00	0.00
011	Amounts reversed during the year	0.00	0.00	0.00
012	Closing Balance	0.00	0.00	0.00
013	MAT credit entitlement	0.00	0.00	0.00
014	**Total**	**0.00**	**0.00**	**0.00**
016		0.00	0.00	0.00
017	**Total**	**0.00**	**0.00**	**0.00**
018	Breakup of deferred tax assets	0.00	0.00	0.00
019	Provision	0.00	0.00	0.00
020	Statutory dues	0.00	0.00	0.00
021	Leave encashment	0.00	0.00	0.00
022	Others	0.00	0.00	0.00
023		0.00	0.00	0.00
024		0.00	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 31 TO THE FS-NCL-OTHER NON-CURRENT LIABILITIES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	Other Non current Liabilities	0.00	0.00
002	Advances from customers and others	0.00	0.00
003	Deposits from contractors and others	0.00	0.00
004	Grants	0.00	0.00
006		0.00	0.00
007	**TOTAL**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 32 TO THE FS-CL-BORROWINGS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**Short Term Borrowings**	**0.00**	**0.00**
002	**Loans repayable on demand**	**0.00**	**0.00**
003	**From Banks**	**0.00**	**0.00**
004	**Secured**	**0.00**	**0.00**
005	Cash Credit	0.00	0.00
006	**Unsecured**	**0.00**	**0.00**
007	Cash Credit	0.00	0.00
008	**Other loans-unsecured**	**0.00**	**0.00**
009	Commercial Papers	0.00	0.00
010	Less: Unamortised discount on Commercial Papers	0.00	0.00
011	**Sub-Total**	**0.00**	**0.00**
012	**Current maturity of long term borrowings**	**0.00**	**0.00**
013	Bonds-Secured	0.00	0.00
014	Foreign Currency Fixed Rate Notes	0.00	0.00
015	**From Banks**	**0.00**	**0.00**
016	**Secured**	**0.00**	**0.00**
017	Rupee Term Loan	0.00	0.00
018	Foreign currency loans	0.00	0.00
019	**Unsecured**	**0.00**	**0.00**
020	Foreign currency loans	0.00	0.00
021	Rupee term loans	0.00	0.00
022	**From Others**	**0.00**	**0.00**
023	**Secured**	**0.00**	**0.00**
024	Rupee Term Loan	0.00	0.00
025	**Unsecured**	**0.00**	**0.00**
026	Foreign currency loans (Guaranteed by Government of India)	0.00	0.00
027	Other foreign currency loans	0.00	0.00
028	Rupee term loans	0.00	0.00
029	Fixed deposits	0.00	0.00
030	Bill discounted	0.00	0.00
031		0.00	0.00
032	Sub Total	0.00	0.00
034		0.00	0.00
035	**TOTAL**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 33 TO THE FS-CL-LEASE LIABILITIES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**Current financial liabilities - Lease liabilities**	**0.00**	**0.00**
002	Current maturity of finance lease obligations (secured)	0.00	0.00
003	Current maturity of finance lease obligations (unsecured)	776,051,778.88	775,040,701.75
005	**Total**	**776,051,778.88**	**775,040,701.75**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 34 TO THE FS-CL-TRADE PAYABLES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**TRADE PAYABLES**	**0.00**	**0.00**
002	For Goods and Services	0.00	0.00
003	- Micro & Small Enterprises	388,083,920.65	104,704,433.55
004	- Others	3,986,153,596.02	4,153,594,749.92
005		0.00	0.00
007	**Total**	**4,374,237,516.67**	**4,258,299,183.47**
008		0.00	0.00
172	**Trade payable**	**0.00**	**0.00**
173	**MSME**	**0.00**	**0.00**
174	Unbilled	245,610,158.65	45,776,184.55
175	Not due	0.00	0.00
176	**Due**	**142,473,762.00**	**0.00**
177	Disputed	0.00	0.00
178	Undisputed	142,473,762.00	0.00
179		0.00	0.00
180	**Sub-total (A)**	**388,083,920.65**	**45,776,184.55**
181		0.00	0.00
182	**Others**	**0.00**	**0.00**
183	Unbilled	2,295,557,520.12	1,446,278,153.73
184	Not due	0.00	0.00
185	**Due**	**1,690,596,075.90**	**2,707,316,596.19**
186	Disputed	0.00	0.00
187	Undisputed	1,690,596,075.90	2,707,316,596.19
188		0.00	0.00
189	**Sub-total (B)**	**3,986,153,596.02**	**4,153,594,749.92**
190		0.00	0.00
191	**Total**	**4,374,237,516.67**	**4,199,370,934.47**
192		0.00	0.00
193	**Ageing**	**0.00**	**0.00**
194	**MSME**	**0.00**	**0.00**
195	**Disputed**	**0.00**	**0.00**
196	Less than 1 year	0.00	0.00
197	1-2 years	0.00	0.00
198	2-3 years	0.00	0.00
199	More than 3 years	0.00	0.00
200	**Sub Total (I)**	**0.00**	**0.00**
201		0.00	0.00
202	**Undisputed**	**0.00**	**0.00**
203	Less than 1 year	142,473,762.00	0.00
204	1-2 years	0.00	0.00
205	2-3 years	0.00	0.00
206	More than 3 years	0.00	0.00
207	**Sub Total (II)**	**142,473,762.00**	**0.00**
208		0.00	0.00
209	**Total MSME (III)**	**142,473,762.00**	**0.00**
210		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 34 TO THE FS-CL-TRADE PAYABLES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
211	**Others**	**0.00**	**0.00**
212	**Disputed**	**0.00**	**0.00**
213	Less than 1 year	0.00	0.00
214	1-2 years	0.00	0.00
215	2-3 years	0.00	0.00
216	More than 3 years	0.00	0.00
217	**Sub Total (IV)**	**0.00**	**0.00**
218		0.00	0.00
219	**Undisputed**	**0.00**	**0.00**
220	Less than 1 year	607,120,032.25	850,144,672.11
221	1-2 years	486,597,094.12	871,545,410.95
222	2-3 years	1,619,945.69	1,633,665.55
223	More than 3 years	595,259,003.84	983,992,847.58
224	**Sub Total (V)**	**1,690,596,075.90**	**2,707,316,596.19**
225		0.00	0.00
226	**Total Others (VI)**	**1,690,596,075.90**	**2,707,316,596.19**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 35 TO THE FS-CL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**OTHER FINANCIAL LIABILITIES (CURRENT)**	**0.00**	**0.00**
020	Interest accrued but not due on Unsecured Short Term Borrowing	0.00	0.00
021	Interest accrued but not due on secured borrowings	0.00	0.00
022	Interest accrued but not due on unsecured borrowings	0.00	0.00
023	Unpaid Dividends*	0.00	0.00
024	Unpaid matured deposits and interest accrued thereon*	0.00	0.00
025	Unpaid matured bonds and interest accrued thereon*	0.00	0.00
026	Unpaid bond refund money-Tax free bonds *	0.00	0.00
027	Book Overdraft	0.00	0.00
028	Payable to Customers	0.00	0.00
029	Liability under forward exchange contact	0.00	0.00
030	Hedging cost payable to beneficiaries	0.00	0.00
031	Derivative MTM Liability	0.00	0.00
032	**Payable for Capital Expenditure**	**0.00**	**0.00**
033	- Micro & Small Enterprises	69,354,495.15	32,891,565.37
034	- Others	1,763,317,136.66	1,160,906,446.26
035	Contractual Obligations	2,143,805,127.35	2,495,204,536.47
036	**Others Payables**	**0.00**	**0.00**
037	Deposits from contractors and others	70,248,243.73	67,965,797.33
038	Gratuity Obligations	0.00	0.00
039	Payable to employees	41,491,354.00	38,612,727.50
040	Payable to holding company	0.00	0.00
041	Retention on A/c BG encashment (Solar)	0.00	0.00
042	Payable to Solar Payment Security Account	0.00	0.00
043	Others **	22,860,063.41	18,904,827.41
044	Unspent CSR balance on ongoing Approved CSR projects	0.00	0.00
046		0.00	0.00
047		0.00	0.00
048	**Total**	**4,111,076,420.30**	**3,814,485,900.34**
049	* Represents the amounts which have not been claimed by the investor/holders of the bonds/fixed deposits. Out of the above, no amount is due for payment to Investor Education and Protection Fund.	0.00	0.00
050	** Include Payable to Hospital and other payable.	0.00	0.00
051	**Payable for Capital Expenditure - SD/retntion**	**0.00**	**0.00**
052	- Micro & Small Enterprises	24,822,284.00	16,446,578.00
053	- Others	278,592,527.11	285,679,641.11
054	**Sub-total**	**303,414,811.11**	**302,126,219.11**
055	**Contractual Obligations**	**0.00**	**0.00**
056	- Micro & Small Enterprises	200,547,745.14	93,173,277.58
057	- Others	1,943,257,382.21	2,402,031,258.89

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 35 TO THE FS-CL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
058	**Sub-total**	**2,143,805,127.35**	**2,495,204,536.47**
059	**Total**	**2,447,219,938.46**	**2,797,330,755.58**
060		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 36 TO THE FS-CL-OTHER CURRENT LIABILITIES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**OTHER CURRENT LIABILITIES**	**0.00**	**0.00**
002	Advances from customers and others	49,239,891.37	85,639,698.58
003	Deferred discount on forward exchange contact	0.00	0.00
004	Tax deducted at source and other statutory dues	263,081,142.07	529,737,321.92
005	Deposits from contractors and others	0.00	0.00
006	Government grants	0.00	0.00
007	Others	0.00	0.00
009		0.00	0.00
010		0.00	0.00
011	**Total**	**312,321,033.44**	**615,377,020.50**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 37 TO THE FS-CL-PROVISIONS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**SHORT TERM PROVISIONS**	**0.00**	**0.00**
002	**Provision for Employee Benefits**	**0.00**	**0.00**
003	Opening balance	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	0.00
005	**Closing Balance**	**0.00**	**0.00**
028	**Provisions for Obligations Incidental to Land Acquisition**	**0.00**	**0.00**
029	Opening balance	0.00	0.00
030	Additions during the year	0.00	0.00
031	Amounts paid during the year	0.00	0.00
032	Amounts reversed during the year	0.00	0.00
033	**Closing Balance**	**0.00**	**0.00**
035	**Provision for Tariff Adjustment**	**0.00**	**0.00**
036	Opening balance	0.00	0.00
037	Additions during the year	0.00	0.00
038	Amounts adjusted during the year	0.00	0.00
039	Amounts reversed during the year	0.00	0.00
040	**Closing Balance**	**0.00**	**0.00**
042	**Provision for shortage in Fixed Assets Pending Investigation & Others**	**0.00**	**0.00**
043	Opening balance	9,457,152.98	0.00
044	Additions during the year	0.00	9,457,152.98
045	Amounts adjusted during the year	0.00	0.00
046	Amounts reversed during the year	5,541,808.74	0.00
047	**Closing Balance**	**3,915,344.24**	**9,457,152.98**
048	**Provision for Arbitration**	**0.00**	**0.00**
049	Opening balance	385,404,266.31	383,746,035.25
050	Additions during the year	1,662,774.16	1,658,231.06
051	Amounts used during the year	0.00	0.00
052	Amounts reversed during the year	0.00	0.00
053	**Closing Balance**	**387,067,040.47**	**385,404,266.31**
054	**Others**	**0.00**	**0.00**
055	Opening balance	0.00	0.00
056	Additions during the year	0.00	0.00
057	Amounts used during the year	0.00	0.00
058	Amounts reversed during the year	0.00	0.00
059	**Closing Balance**	**0.00**	**0.00**
102		0.00	0.00
104	**Total**	**390,982,384.71**	**394,861,419.29**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 38 TO THE FS-CL-CURRENT TAX LIABILITIES (NET) **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**Current liabilities - current tax liabilities (net)**	**0.00**	**0.00**
002	Opening balance	0.00	0.00
003	Additions during the year	0.00	0.00
004	Amounts adjusted during the year	0.00	0.00
005	Less: Set off against taxes paid	0.00	0.00
007		0.00	0.00
008	**Closing Balance**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 39 TO THE FS--DEFERRED REVENUE **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	**Deferred Revenue**	**0.00**	**0.00**
002	On account of advance against depreciation	0.00	0.00
003	On account of income from foreign currency fluctuation	0.00	0.00
004	Government grants	0.00	0.00
007		0.00	0.00
008		0.00	0.00
009	**TOTAL**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 39A TO THE FS--REGULATORY DEFERRAL ACCOUNT CREDIT BALANCES **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	Regulatory deferral account credit balances	0.00	0.00
002	Exchange Differences	0.00	0.00
003		0.00	0.00
005	**Total**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 40 TO THE FS--REVENUE FROM OPERATIONS **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
001	**REVENUE FROM OPERATIONS**	**0.00**	**0.00**
002	**Sales**	**0.00**	**0.00**
003	Energy Sales (including Electricity Duty)	65,390,853,183.03	71,037,537,160.30
004	Less : Advance against depreciation deferred (net)	0.00	0.00
005	Add: Revenue recognized out of advance against depreciation	0.00	0.00
006	Add : Exchange fluctuation receivable from customers	-50,037,000.00	0.00
007	Sale of energy through trading	0.00	0.00
008	Commission (NVVN)	0.00	0.00
009	**Sub total**	**65,340,816,183.03**	**71,037,537,160.30**
010	Less: Rebate to customers	185,835,821.00	253,845,295.50
011	**Energy Sales (Total)**	**65,154,980,362.03**	**70,783,691,864.80**
012	Consultancy, project management and supervision fees	41,367,500.00	124,163,860.94
013	Lease rentals on assets on Operating lease	0.00	0.00
014	Sale of Captive Coal	0.00	0.00
015	Intra Company Elimination	0.00	0.00
017	**Sub-total**	**0.00**	**0.00**
018	**Total - Sales**	**65,196,347,862.03**	**70,907,855,725.74**
019	Sale of fly ash/ash products	97,115,706.98	94,206,248.27
020	Less: Transferred to fly ash utilisation reserve fund	-97,115,706.98	-94,206,248.27
021	**Sub-total**	**0.00**	**0.00**
022	**Other Operating Income**	**0.00**	**0.00**
023	Interest from customers	1,047,786,197.00	3,040,141,162.00
024	Energy Internally Consumed *	38,706,301.00	35,123,834.00
025	Interest income on Assets under finance lease	0.00	0.00
026	Recognized from deferred revenue - government grant	0.00	0.00
027	Provision written back- Tariff Adjustment	0.00	0.00
028	Income form Trading of ESCerts	0.00	0.00
029	Income from E-Mobility Business & others	0.00	0.00
030	Others	0.00	0.00
032		0.00	0.00
033		0.00	0.00
034	**Total**	**66,282,840,360.03**	**73,983,120,721.74**
040	* Valued at variable cost of generation and corresponding amount included in power charges (Note No. 42)	0.00	0.00
041	Excise duty on sale of flyash,cenospere & ash products	0.00	0.00
042	Energy sales of principal nature (NVVN)	0.00	0.00
043	Energy sales of agency nature (NVVN)	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 41 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
001	**OTHER INCOME**	**0.00**	**0.00**
002	**Interest from**	**0.00**	**0.00**
004	**Financial assets at amortised cost**	**0.00**	**0.00**
005	Government Securities (8.5% Tax Free Bonds issued by the State Goverments)	0.00	0.00
006	Other Bonds	0.00	0.00
007	Non current Trade Receivable	0.00	0.00
008	Interest from Government of India Securties-Non-Trade	0.00	0.00
009	Less: Amortziation of premium	0.00	0.00
010	**Sub Total**	**0.00**	**0.00**
011	Interest from others	0.00	0.00
012	Loan to State Government in settlement of dues from customers	0.00	0.00
013	Loan to Subsidiary Companies	0.00	0.00
014	Loan to Employees	10,848,500.31	13,136,310.70
015	Deposit with banks	0.00	0.00
016	Foreign Banks	0.00	0.00
017	Interest from Contractors	0.00	617,350.00
018	Interest from Income Tax Refunds	0.00	0.00
019	Less : Refundable to Customers	0.00	0.00
020	**Sub Total**	**0.00**	**0.00**
021	Deposits with banks-flyash utilisation reserve fund	0.00	0.00
022	Less: transferred to flyash utilisation reserve fund	0.00	0.00
023	**Sub Total**	**0.00**	**0.00**
024	Deposits with banks- DDUGJY funds	0.00	0.00
025	Interest from Contractors- DDUGJY funds	0.00	0.00
026	Transfer to DDUGJY-Advance from customers	0.00	0.00
027	Sub-total	0.00	0.00
030	Others	0.00	0.00
031	Other investments in Joint venture companies	0.00	0.00
032	**Dividend from**	**0.00**	**0.00**
033	**Longterm investments in**	**0.00**	**0.00**
034	Subsidiaries	0.00	0.00
035	Joint Ventures	0.00	0.00
036	Equity Instruments	0.00	0.00
037	**Current Investments in**	**0.00**	**0.00**
038	Mutual Funds measured at fairvalue through profit or loss	0.00	0.00
039	Current investments in mutual funds-flyash utilisation reserve fund	0.00	0.00
040		0.00	0.00
041	Less: transferred to flyash utilisation reserve fund	0.00	0.00
042	Lease Rent # Ash Brick Plant	0.00	0.00
043	Less: transferred to flyash utilisation reserve fund	0.00	0.00
044	Other non-operating income	0.00	0.00
045	Profit on disposal of PPE	24,622.59	26,205,614.67

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 41 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
046	Profit on redemption of GOI securities	0.00	0.00
047	Net gain on sale of investments	0.00	0.00
048	Surcharge received from customers	85,284,855.00	69,722,965.00
049	Hire charges for equipment	0.00	0.00
050	Gain on option contract / Discount on F.ExchContract	35,952.00	0.00
051	Lease rent from investment property	0.00	0.00
052	Provision written back-others	70,429,233.13	240,053,515.47
053	Fair value gains/(losses) on investments in mutual funds at fair value through profit or loss	0.00	0.00
054	Interest from Solar payment security account	0.00	0.00
055	Less : Transferred to SPSA fund	0.00	0.00
056	Interest on "Retention on A/c BG encashment (Solar)"	0.00	0.00
057	Less : Transferred to "Retention on A/c BG encashment (Solar)"	0.00	0.00
058		0.00	0.00
059		0.00	0.00
060		0.00	0.00
061	Miscellaneous Income	134,716,458.22	203,581,057.90
062	**Total**	**301,339,621.25**	**553,316,813.74**
063	Less:Transferred to Development of Coal Mines-Note 47A	0.00	0.00
064	Less:Transferred to Expenditure during Construction period (net)- Note 47	124,008.00	170,538.88
065	Less: Others	0.00	0.00
066	Less:Transferred to payable to Govt. of Jharkhand	0.00	0.00
068		0.00	0.00
069		0.00	0.00
070	**Total**	**301,215,613.25**	**553,146,274.86**
071		0.00	0.00
101	**Details of Miscellaneous Income**	**0.00**	**0.00**
102	Vehicle Hire Charges.	170,000.00	156,000.00
103	Sale of by products & residuals	0.00	0.00
104	Township recoveries(exl. Hospital Recoveries).	18,518,911.84	20,670,822.64
105	Depreciation written back	0.00	0.00
106	Sale of Scrap.	58,995,653.27	29,561,085.73
107	Receipt under loss of profit policy.	0.00	0.00
108	Receipts under MBD/Fire Policy.	0.00	100,368,027.00
109	Management development programme.	0.00	0.00
110	Management Fee - Misc (NVVN)	0.00	0.00
111	Others	57,031,893.11	52,825,122.53
112		0.00	0.00
113		0.00	0.00
114	**Total (Miscellaneous Income)**	**134,716,458.22**	**203,581,057.90**
115		0.00	0.00
131	**Details of Provision written back others**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 41 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
132	Doubtful debts	0.00	0.00
133	Doubtful Loans, Advances and Claims	0.00	0.00
134	Doubtful Construction Advances	0.00	0.00
135	Shortage in Construction Stores	224,359.10	0.00
136	Shortage in Stores	64,663,065.29	210,848,864.67
137	Obsolescence in Stores	0.00	4,442,378.00
138	Unserviceable capital works	0.00	24,762,272.80
139	Other Obligation including Arbitration	0.00	0.00
140	Shortage in Fixed Assets	5,541,808.74	0.00
141	Diminution in value of Investment	0.00	0.00
142		0.00	0.00
143		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 42 TO THE FS--FUEL COST **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
001	**FUEL COST**	**0.00**	**0.00**
002	Coal	0.00	0.00
003	Captive	0.00	0.00
004	Other than captive	44,505,961,065.71	45,976,087,407.38
005	Gas	0.00	0.00
006	Naptha	0.00	0.00
007	Oil	683,574,235.91	581,589,961.68
008	Biomass Pellets & Others	0.00	0.00
009		0.00	0.00
010		0.00	0.00
011	**Total**	**45,189,535,301.62**	**46,557,677,369.06**
012		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 43 TO THE FS--EMPLOYEE BENEFITS EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
001	**EMPLOYEE BENEFITS EXPENSE**	**0.00**	**0.00**
002	Salaries and wages	1,724,339,099.55	1,996,911,486.92
003	Contribution to provident and other funds	293,329,279.24	268,823,600.99
004	Unwinding of deferred payroll expense	7,475,060.75	10,329,236.16
005	Staff welfare expenses	251,477,432.19	251,472,330.01
006	Less : Expenses transferred to Consultancy group	0.00	0.00
007		0.00	0.00
008	**Sub Total**	**2,276,620,871.73**	**2,527,536,654.08**
009	Less: Employee benefits expense allocated to fuel inventory	167,782,780.31	177,722,654.14
010	Less: Transferred/Allocated to development of coal mines - Note 47A	0.00	0.00
011	Less: Others	0.00	0.00
012	Less: Transferred to fly ash utilisation reserve fund	0.00	0.00
013	Less: Transferred to CSR Expenses	0.00	0.00
014	Reimbursements for employees on secondment	0.00	0.00
015	Less: Transferred to expenditure during construction period (net)- Note 47	42,996,634.31	49,348,866.13
016	Less: Transfer to Govt of Jharkhand A/c as recoverable	0.00	0.00
018		0.00	0.00
019	**TOTAL**	**2,065,841,457.11**	**2,300,465,133.81**
020	**Managerial Remuneration paid/ payable to Directors included above (except for Directors fee which is included in Note 42)**	**0.00**	**0.00**
021	Salaries and wages	0.00	0.00
022	Contribution to provident and other funds	0.00	0.00
023	Staff welfare expenses	0.00	0.00
024	Directors fee	0.00	0.00
025		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 44 TO THE FS--FINANCE COSTS **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
001	**FINANCE COSTS**	**0.00**	**0.00**
002	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
003	Bonds	404,790,678.43	440,916,938.96
004	Government of India Loans	0.00	0.00
005	Foreign currency term loans	90,096,999.66	32,553,478.18
006	Rupee term loans	304,903,724.00	275,305,378.00
007	Public deposits	0.00	0.00
008	Foreign currency bonds/notes	0.00	0.00
009	Cash Credit	0.00	0.00
010	Unwinding of discount on account of vendor liabilities	6,288,759.21	1,905,458.65
011	Commercial Papers	0.00	0.00
012	**Sub Total**	**806,080,161.30**	**750,681,253.79**
013	Interest on non financial items	10,240.00	0.00
014	**Other Borrowing Costs**	**0.00**	**0.00**
015	Bonds servicing & public deposit exp.	535,044.68	471,021.06
016	Guarantee fee	0.00	0.00
017	Management fee	0.00	0.00
018	Committ charges/exposure premium	0.00	467,600.06
019	Bond issue expenses	0.00	0.00
020	Legal exp on foreign currency loans	0.00	0.00
021	Foreign currency bonds/notes exp.	0.00	0.00
022	Up-front fee	0.00	0.00
023	Insurance premium on foreign currency loans	5,900.00	0.00
024		0.00	0.00
025	Others	0.00	0.00
026	**Sub Total (Other Borrowing cost)**	**551,184.68**	**938,621.12**
027		0.00	0.00
028	**Exchange differences regarded as an adjustment to borrowing costs**	**-30,790,888.07**	**23,471,797.72**
029	**Sub Total**	**775,840,457.91**	**775,091,672.63**
030	Less: Transferred to Expenditure during construction period (net) - Note 47	110,947,563.54	127,509,229.92
031	Less: Transferred to development of coal mines- Note 47A	0.00	0.00
032		0.00	0.00
034	**Total**	**664,892,894.37**	**647,582,442.71**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 45 TO THE FS--DEPRECIATION, AMORTIZATION AND IMPAIRMENT EXPENSES **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
001	**Depreciation, amortization and impairment expenses**	**0.00**	**0.00**
002	On property, plant and equipment- Note 2	3,061,380,037.02	2,696,057,234.22
003	On investment property- Note 2A	0.00	0.00
004	On intangible assets- Note 4	128,183.34	37,366.67
005		0.00	0.00
006	Sub-total	3,061,508,220.36	2,696,094,600.89
007	Less:	0.00	0.00
008	Allocated to fuel inventory	176,305,985.26	182,764,518.21
009	Transferred to Expenditure during Construction Period (net)- Note 47	6,469,433.17	6,529,807.29
010		0.00	0.00
011	Transferred/Allocated to development of coal mines - Note 47A	0.00	0.00
012	Adjustment with deferred revenue from deferred foreign currency fluctuation	60,090,000.00	-8,123,000.00
013		0.00	0.00
015	**Total**	**2,818,642,801.93**	**2,514,923,275.39**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 46 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
001	**OTHER EXPENSES**	**0.00**	**0.00**
002	Power charges	30,697,387.00	38,412,749.31
003	Less: Recovered from contractors & employees	17,296,012.76	10,693,238.26
004	**Sub-Total(Power Charges)**	**13,401,374.24**	**27,719,511.05**
005	Water charges	658,596,493.00	602,233,862.00
006	Stores consumed	87,948,657.40	87,087,108.41
007	Rent	0.00	0.00
008	Less:Recoveries	0.00	0.00
009	**Sub-Total (Rent)**	**0.00**	**0.00**
010	Cost of captive coal produced	0.00	0.00
011	**Repairs & maintenance**	**0.00**	**0.00**
012	Buildings	181,677,287.97	159,548,238.53
013	Plant & machinery	0.00	0.00
014	Power stations	2,260,088,339.47	2,221,370,374.06
015	Construction equipment	0.00	0.00
016	Others	84,156,471.98	167,562,022.44
017	**Sub-total (Repairs & maintenance)**	**2,525,922,099.42**	**2,548,480,635.03**
019	Load Dispatch Center Charges	38,248,603.00	14,709,219.00
021	Insurance	127,852,629.80	127,269,684.41
022	Interest to beneficiaries	959,017.00	0.00
023	Rates and taxes	34,566,659.62	33,504,031.51
024	Water cess & environment protection cess	0.00	0.00
025	Training & recruitment expenses	23,948,100.85	9,549,951.00
026	Less: Receipts	0.00	0.00
027	**Sub-total (Training and recruitment expenses)**	**23,948,100.85**	**9,549,951.00**
028	Communication expenses	24,214,882.93	20,184,091.35
029	Inland Travel	66,570,652.16	69,684,732.83
030	Foreign Travel	17,209.00	257,819.50
031	Tender expenses	0.00	0.00
032	Less: Receipt from sale of tenders	0.00	0.00
033	**Sub-total (Tender expenses)**	**0.00**	**0.00**
034	Payment to auditors	0.00	0.00
035	Audit fee	0.00	0.00
036	Tax audit fee	0.00	0.00
037	Other services	0.00	0.00
038	Reimbursement of expenses	0.00	2,500.00
039	**Sub-total (Payment to Auditors)**	**0.00**	**2,500.00**
040	Advertisement and publicity	4,236,485.93	4,488,227.20
041	Electricity duty	0.00	0.00
042	Security expenses	543,602,840.50	406,756,794.88
043	Entertainment expenses	21,152,427.82	23,139,447.32
044	Expenses for guest house	11,326,692.53	14,560,026.00
045	Less:Recoveries	1,940,901.60	1,491,148.80
046	**Sub-Total (Guest house expenses)**	**9,385,790.93**	**13,068,877.20**
047	Education expenses	38,458,902.00	66,230,177.00
049	Donations	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 46 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
050	Ash utilisation & marketing expenses	5,356,165,101.35	4,031,770,927.69
051	Directors sitting fee	0.00	0.00
053	Professional charges and consultancy fees	7,232,978.31	7,769,846.00
054	Legal expenses	13,294,686.00	11,593,681.00
055	EDP hire and other charges	7,107,306.65	6,933,617.67
056	Printing and stationery	3,219,105.00	1,373,340.96
057	Oil & gas exploration expenses	0.00	0.00
059	Hiring of vehicles	55,197,071.61	43,712,855.03
061	Reimbursement of L.C.charges on sales realisation	0.00	0.00
062	LOSS ON FAIR VALUATION OF NON- CURRENT TRADE RECEIVABLE AT AMORTISED COST	0.00	0.00
063	Cost of Hedging	0.00	0.00
064	Derivatives MTM loss/gain (Net)	0.00	0.00
065	Net loss/(gain) in foreign currency transactions & translations	-93,742,903.67	6,876,830.42
066	Transport Vehicle running expenses	14,065.50	26,527.00
067	Horticulture Expenses	28,050,539.24	45,023,274.67
068	Hire charges- helicopter/aircraft.	0.00	0.00
069	Hire charges of construction equipment	0.00	0.00
070	Demurrage Charges	0.00	0.00
072		0.00	0.00
073	Miscellaneous expenses	36,124,068.22	157,501,862.28
074	Loss on disposal/write-off of PPE	165,731,815.12	106,416,718.20
075	**Sub-Total**	**9,797,476,658.93**	**8,473,366,150.61**
076	Less: Other expenses allocated to fuel inventory	675,001,621.23	797,124,365.28
077	Less: Transferred/Allocated to development of coal mines - Note 47A	0.00	0.00
078	Less: Transferred to fly ash utilisation reserve fund	151,463,651.47	122,497,523.11
079	Less: Hedging cost Net recoverable/payable from/to beneficiaries	0.00	0.00
080	Less: Others	0.00	0.00
081	Less: Transferred to CSR Expenses	0.00	0.00
082	Less:Transferred to Expenditure during Construction period(net)-Note 47	13,832,846.82	16,559,312.17
083	Less: Transfer to Govt of Jharkhand A/c as recoverable	0.00	0.00
084	**Net (Generation, Administration and Other expenses)**	**8,957,178,539.41**	**7,537,184,950.05**
085	Corporate Social Responsibility Expenses	43,422,938.26	89,734,469.66
086	Less: Grants-in-aid	0.00	0.00
087	**Sub-total (Corporate Social Responsibility Expenses)**	**43,422,938.26**	**89,734,469.66**
088	**Provisions**	**0.00**	**0.00**
089	Doubtful Debts	0.00	0.00
090	Doubtful loans, advances and claims	0.00	0.00
091	Doubtful Construction Advances	0.00	0.00
092	Shortage in stores	46,292,783.02	34,248,901.05

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 46 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
093	Obsolete/Dimunition in the value of surplus stores	11,376,746.89	22,026,037.00
094	Shortage in construction stores	644,691.13	467,635.62
095	Dimunition in value of long term investments	0.00	0.00
096	Shortage in Fixed assets	0.00	9,457,152.98
097	Unfinished minimum work progress from oil & gas exploration	0.00	0.00
098	Unserviceable capital works	33,834,732.25	48,239,623.91
099	Tariff Adjustment	97,252,000.00	-77,228,000.00
100	Others :	0.00	0.00
101	(i) Provision for arbitration cases	1,662,774.16	1,658,231.06
102	(ii) Other provisions	0.00	0.00
103	**Total (Provisions)**	**191,063,727.45**	**38,869,581.62**
104		0.00	0.00
106	**Total**	**9,191,665,205.12**	**7,665,789,001.33**
107		0.00	0.00
108	**Breakup of miscellaneous expenses.**	**0.00**	**0.00**
110	Hire charges of office equipment	0.00	1,417.92
112	Operating expenses of construction equipment	0.00	0.00
113	Operating expenses of D.G. sets	0.00	0.00
114	Furnishing expenses	1,293,042.34	392,948.40
115	Subscription to trade and other associations.	0.00	0.00
117	Visa and entry permit charges	0.00	0.00
118	Tree plantation exp.-NTPC Land	0.00	0.00
119	Research & development expenses .	0.00	0.00
120	Less : Grants received for Research & develoment expenses.	0.00	0.00
121	Sub-total (Research & development expenses)	0.00	0.00
122	Bank charges	22,491.34	28,361.34
123	Business Development Expenditure	0.00	0.00
124	Surcharge (NVVN)	0.00	0.00
125	Power Trading Expenses	12,677,839.00	993,625.00
126	Brokerage & commission	10,141,968.00	2,070,982.00
130	Books and periodicals	86,374.55	46,193.00
131	Claims/advances written off	0.00	0.00
132	Stores written off	0.00	0.00
133	Survey &Investigation expenses written off	450,996.00	0.00
134	Others	11,451,356.99	153,968,334.62
135	**Total**	**36,124,068.22**	**157,501,862.28**
136		0.00	0.00
137		0.00	0.00
138		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 47 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET) **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
001	**EXPENDITURE DURING CONSTRUCTION PERIOD (NET)**	**0.00**	**0.00**
002	A. Employee benefits expense	0.00	0.00
003	Salaries and wages	35,853,370.81	42,043,388.66
004	Contribution to provident and other funds	5,544,834.87	5,099,390.68
005	Unwinding of deffered payroll expenses	0.00	0.00
006	Staff welfare expenses	1,598,428.63	2,206,086.79
007	**Total (A)**	**42,996,634.31**	**49,348,866.13**
008	**B. Finance Costs**	**0.00**	**0.00**
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
010	Bonds	24,086,463.33	33,676,514.54
011	Foreign currency term loans	81,625,612.36	25,701,004.35
012	Rupee term loans	29,081,626.46	41,238,639.76
013	Foreign currency bonds/notes	0.00	0.00
014	Unwinding of discount on account of vendor liabilities	0.00	0.00
015	Others	0.00	0.00
016		0.00	0.00
017	Other Borrowings Costs	0.00	0.00
018	Guarantee Commission	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00
020	Commitment charges/Exposure Premium	0.00	467,600.06
021	Legal Expenses on foreign currency loans	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00
024	Upfront Fee	0.00	0.00
025	Exchange Differences	0.00	0.00
026	Others	6,944,749.46	2,953,673.49
027	Exchange differences regarded as adjustment to interest cost	-30,790,888.07	23,471,797.72
028	**Total (B)**	**110,947,563.54**	**127,509,229.92**
029		0.00	0.00
030	C. Depreciation and amortisation	6,469,433.17	6,529,807.29
031	**D. Generation , administration and other expenses**	**0.00**	**0.00**
032	Power charges	93,671.00	551,487.00
033	Less: Recovered from contractors & employees	75,641.00	92,202.03
034	**Sub-total(Net power charges)**	**18,030.00**	**459,284.97**
035	Water charges	0.00	0.00
036	Rent	0.00	0.00
037	Repairs & maintenance	0.00	0.00
038	Buildings	0.00	0.00
039	Construction equipment	0.00	0.00
040	Others	38,078.20	169,046.24
041		0.00	0.00
042	Insurance	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 47 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET) **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
043	Rates and taxes	1,780.20	2,952.68
044	Communication expenses	443,096.23	400,092.04
045	Travelling expenses	1,476,896.19	1,413,910.21
046	Tender expenses	0.00	0.00
047	Less: Income from sale of tenders	0.00	0.00
048	**Sub-total (Net tender expenses)**	**0.00**	**0.00**
049	Advertisement and publicity	0.00	94,400.00
050	Security expenses	8,039,616.06	7,311,806.00
051	Entertainment expenses	191,675.47	196,589.00
052	Guest house expenses	791,893.98	596,313.00
053	Less: Receipt from guest house	0.00	0.00
054	**Sub-total (Net Guest House Expenses)**	**791,893.98**	**596,313.00**
055	Education expenses	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	0.00	0.00
058	Community development expenses	0.00	0.00
059	Professional charges and consultancy fee	757,820.31	3,237,810.00
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	1,476.00	1,477.00
062	Printing and stationery	14,093.00	19,162.00
063	Miscellaneous expenses	2,058,391.18	2,656,469.03
064	**Total (D)**	**13,832,846.82**	**16,559,312.17**
065	**Total (A+B+C+D)**	**174,246,477.84**	**199,947,215.51**
066	**E. Less: Other Income**	**0.00**	**0.00**
067	Interest from	0.00	0.00
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	0.00
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
073	Sale of scrap	0.00	0.00
074	Exchange Differences	0.00	0.00
075	Miscellaneous income	124,008.00	170,538.88
076	**TOTAL (E)**	**124,008.00**	**170,538.88**
077	F. Net actuarial gain/loss OCI	-138,890.11	10,117.30
078		0.00	0.00
079	**GRAND TOTAL (A+B+C+D-E+F)**	**173,983,579.73**	**199,786,793.93**
080		0.00	0.00
081	*** Balance carried to Capital Work-in-progress - (Note 3)**	**173,983,579.73**	**199,786,793.93**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 47A TO THE FS--EDC- COAL MINING **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
001	**EDC- Coal Mining**	**0.00**	**0.00**
002	A. Employee benefits expense	0.00	0.00
003	Salaries and wages	0.00	0.00
004	Contribution to provident and other funds	0.00	0.00
005	Unwinding of deffered payroll expenses	0.00	0.00
006	Staff welfare expenses	0.00	0.00
007	**Total (A)**	**0.00**	**0.00**
008	**B. Finance Costs**	**0.00**	**0.00**
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
010	Bonds	0.00	0.00
011	Foreign currency term loans	0.00	0.00
012	Rupee term loans	0.00	0.00
013	Foreign currency bonds/notes	0.00	0.00
014	Unwinding of discount on account of vendor liabilities	0.00	0.00
015	Others	0.00	0.00
016		0.00	0.00
017	Other Borrowings Costs	0.00	0.00
018	Guarantee Commission	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00
020	Commitment charges/Exposure Premium	0.00	0.00
021	Legal Expenses on foreign currency loans	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00
024	Upfront Fee	0.00	0.00
025	Exchange Differences	0.00	0.00
026	Others	0.00	0.00
027	Exchange differences regarded as adjustment to interest cost	0.00	0.00
028	**Total (B)**	**0.00**	**0.00**
029		0.00	0.00
030	C. Depreciation and amortisation	0.00	0.00
031	**D. Generation , administration and other expenses**	**0.00**	**0.00**
032	Power charges	0.00	0.00
033	Less: Recovered from contractors & employees	0.00	0.00
034	**Sub-total(Net power charges)**	**0.00**	**0.00**
035	Water charges	0.00	0.00
036	Rent	0.00	0.00
037	Repairs & maintenance	0.00	0.00
038	Buildings	0.00	0.00
039	Construction equipment	0.00	0.00
040	Others	0.00	0.00
041	Cost of Captive Coal	0.00	0.00
042	Insurance	0.00	0.00
043	Rates and taxes	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 47A TO THE FS--EDC- COAL MINING **(Amount in ₹)**

	For the Year ended	31.03.2024	31.03.2023
044	Communication expenses	0.00	0.00
045	Travelling expenses	0.00	0.00
046	Tender expenses	0.00	0.00
047	Less: Income from sale of tenders	0.00	0.00
048	**Sub-total (Net tender expenses)**	**0.00**	**0.00**
049	Advertisement and publicity	0.00	0.00
050	Security expenses	0.00	0.00
051	Entertainment expenses	0.00	0.00
052	Guest house expenses	0.00	0.00
053	Less: Receipt from guest house	0.00	0.00
054	**Sub-total (Net Guest House Expenses)**	**0.00**	**0.00**
055	Education expenses	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	0.00	0.00
058	Community development expenses	0.00	0.00
059	Professional charges and consultancy fee	0.00	0.00
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	0.00	0.00
062	Printing and stationery	0.00	0.00
063	Miscellaneous expenses	0.00	0.00
064	**Total (D)**	**0.00**	**0.00**
065	**Total (A+B+C+D)**	**0.00**	**0.00**
066	**E. Less: Other Income**	**0.00**	**0.00**
067	Interest from	0.00	0.00
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	0.00
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
073	Sale of scrap	0.00	0.00
074	Exchange Differences	0.00	0.00
075	Miscellaneous income	0.00	0.00
076	**TOTAL (E)**	**0.00**	**0.00**
077	F. Net actuarial gain/loss OCI	0.00	0.00
078		0.00	0.00
079	**GRAND TOTAL (A+B+C+D-E+F)**	**0.00**	**0.00**
080		0.00	0.00
081	*** Balance carried to Capital Work-in-progress - (Note 3)**	**0.00**	**0.00**

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 48A TO THE FINANCIAL STATEMENTS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
001	Balance sheet	0.00	0.00
002	Freehold land for which conveyancing of the title is awaiting completion of legal formalities	0.00	0.00
003	(a) area (in acres)	0.00	0.00
004	(b) value (in rs)	0.00	0.00
005	Right-of-use land for which execution of lease deed is awaiting completion of legal formalities	0.00	0.00
006	(a) area (in acres)	0.00	0.00
007	(b) value (in rs)	0.00	0.00
008	Right-of-use land acquired on perpetual lease and accordingly not amortised	0.00	0.00
009	(a) area (in acres)	0.00	0.00
010	(b) value (in rs.)	0.00	0.00
011	Land in physical possesession of the company which has not been shown in the books pending settlement of price (in acres)	0.00	0.00
012	Deposit with government authorities towards land in possession of the company included in cost of land which is subject to adjus	0.00	0.00
013	**Land not in possession of the company**	**0.00**	**0.00**
014	(a) area (in acres)	0.00	0.00
015	-Freehold	0.00	0.00
016	-Right of Use	0.00	0.00
017	(b) value (in rs)	0.00	0.00
018	-Freehold	0.00	0.00
019	-Right of Use	0.00	0.00
020	Right-of-use buildings pending completion of legal fomalities - value (in rs.)	0.00	0.00
021	Estimated amount of contracts remaining to be executed on capital account and not provided for	0.00	0.00
022	Property, plant & equipment	12,211,852,605.00	15,459,544,196.38
023	Intangible assets	0.00	0.00
024	Details of precommissioning expenditure	0.00	0.00
025	(a) precommissioning expenses	0.00	0.00
026	(b) precommissioning income	0.00	0.00
027	(c) net precommissioning expenditure	0.00	0.00
028		0.00	0.00
029		0.00	0.00
030		0.00	0.00
031	Exchange rate variation taken to revenue during the year (with -ve sign, if favourable)	3,304,830.00	-1,838,612.07
045	Exchange rate variation capitalised during the year (with -ve sign, if favourable)	-116,635,810.92	36,083,889.95
064	Short Term Leases	0.00	0.00
065	A) Rent	0.00	0.00
066	Company lease accomodation - executives	0.00	0.00
067	Company lease accomodation - directors	0.00	0.00
068	Others	0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 48A TO THE FINANCIAL STATEMENTS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
069	**Total**	**0.00**	**0.00**
101	Borrowing cost capitalised during the year	110,947,563.43	127,509,229.92
102	Revenue grants recognized during the year	0.00	0.00
103	Revenue expenditure on research and development	0.00	0.00
104	Capital expenditure on research and development.	0.00	0.00
105	Expenditure on sustainibility development - capital	0.00	0.00
106	Expenditure on csr- capital	0.00	0.00
107	Opening balance - CSR Liability	0.00	0.00
108	Paid/Adjusted during the Year out of Opening above	0.00	0.00
109	Amount yet to be paid against Cr Year CSR Exp	0.00	7,677,910.00
110	Closing Balance CSR- Liability (110)	0.00	0.00
111		0.00	0.00
112		0.00	0.00
113	**Disclosure under msmed act 2006.**	**0.00**	**0.00**
114	Long-term	0.00	0.00
115	Short-term	-388,083,920.65	0.00
116	**(i) (a) the principal amount remaining unpaid as at year end**	**-388,083,920.65**	**0.00**
117	(i) (b) interest due there on remaining unpaid as at Year end	0.00	0.00
118	(ii) the amount of interest paid by the buyer in terms of section 16, along with the amounts of the payment made to the supplier	0.00	0.00
119	(iii) the amount of interest due and payable for the period of delay in making payment(which has been paid but beyond the appoin	0.00	0.00
120	(iv) the amount of interest accrued and remaining unpaid at the end of the year; and	0.00	0.00
121	(v) the amount of further interest remaining due and payable even in the succeeding years, until such date when the interest due	0.00	0.00
122	Amount of inventories recognized as an expense (including fuel)	46,540,874,100.09	47,734,545,411.09
123	Amount of inventories capitalised as overhauling assets out of 122 above	399,739,303.54	248,054,912.74
124	Amount capitalised as edc out of 122 above	0.00	0.00
133	Value of Imported Material Consumed during the Year	0.00	0.00
134		0.00	0.00
135	Contingent liabilities	0.00	0.00
136	A. Claims against the company not acknowledged as debts in respect of :	0.00	0.00
137	(i)Capital works	440,132,776.29	377,013,196.75
138	(ii)Land compensation cases	0.00	0.00
139	(iii)Others by state authorities towards:-	0.00	0.00
140	(a) Water royalty / water charges / nala tax	0.00	0.00
141	(b) Diversion of land / building permission fees	0.00	0.00

	As at	31.03.2024	31.03.2023
142	(c) Other demands by state authorities	241,029,227.91	233,517,479.36
143	(iv) Others by fuel companies	0.00	0.00
144	(a) Disputes related to grade slippage-third party sampling	2,856,972,723.01	2,915,390,296.89
145	(b) Surface transportation charges on coal	25,224,772.00	371,742,273.26
146	(c) Take or pay claim - Gas stations	0.00	0.00
147	(d) Other claims by fuel companies not acknowledged as debt	1,753,090,884.00	146,594,525.00
149	B.Disputed tax demands	0.00	0.00
150	(i) Income tax	0.00	0.00
151	(ii) Excise duty	0.00	0.00
152	(iii) Sales tax	0.00	0.00
153	(iv) Service tax/GST	0.00	0.00
154	(v) Entry tax	0.00	0.00
155	C. Others	24,634,475,019.55	24,667,271,503.43
156	**Total**	**29,950,925,402.76**	**28,711,529,274.69**
157	D. Possible reimbursement on account of contingent liabilities	0.00	0.00
158	(i) Capital works	0.00	0.00
159	(ii)Land compensation cases	0.00	0.00
160	(iii)Others (by state authorities)	0.00	0.00
161		0.00	0.00
162	(iv) Others by fuel companies	4,635,288,379.01	3,433,727,095.27
163	(v) Disputed income tax demand	0.00	0.00
164	(vi) Disputed tax demands -others	0.00	0.00
165	(vii) Others	0.00	0.00
167	**Total**	**4,635,288,379.01**	**3,433,727,095.27**
168	E.AMOUNT PAID UNDER PROTEST/ADJUSTED BY AUTHORITIES - TAX CASES	0.00	0.00
169	F.CONTINGENT ASSETS	0.00	0.00
170	Intangible under development : less than 1 year	0.00	0.00
171	Intangible under development #: 1-2 year	0.00	0.00
227	Intangible under development #: 2-3 year	0.00	0.00
277	Intangible under development #: More than 3 years	0.00	0.00
278	**Capital-Work-in Progress (CWIP)**	**0.00**	**0.00**
279	Projects in progress	7,318,471,915.78	5,368,321,281.98
280	Projects temporarily suspended	0.00	0.00
281		0.00	0.00
282		0.00	0.00
283	**Projects in progress**	**0.00**	**0.00**
284	Less than 1 year	2,831,677,622.18	2,641,046,524.02
285	1-2 years	2,667,540,871.41	559,160,410.73
286	2-3 years	396,771,819.54	388,053,953.29
287	More than 3 years	1,422,481,602.65	1,780,060,393.94
288	**Sub Total (I)**	**7,318,471,915.78**	**5,368,321,281.98**
289		0.00	0.00

FARAKKA SUPER THERMAL POWER STATION

NOTE NO. 48A TO THE FINANCIAL STATEMENTS **(Amount in ₹)**

	As at	31.03.2024	31.03.2023
290	**Projects temporarily suspended**	**0.00**	**0.00**
291	Less than 1 year	0.00	0.00
292	1-2 years	0.00	0.00
293	2-3 years	0.00	0.00
294	More than 3 years	0.00	0.00
295	**Sub Total (II)**	**0.00**	**0.00**
296		0.00	0.00
380	Previous year figures have been regrouped/rearranged wherever necessary.	0.00	0.00

REVISED

ANNEXURE - 8

FORM - 15

Details / Information to be provided to beneficiaries under Clause (7) of Regulation 30 of CERC (Terms & Conditions of Tariff) Regulations 2014

Details /Information to be submitted in respect of Fuel for Consumption of Energy Charges

NAME OF THE PETITIONER : NTPC LIMITED

NAME OF THE GENERATING STATION : FARAKKA SUPER THERMAL POWER STATION (St- I& II)

Month : OCT'18 as on 22.04.2019

S.No.	Particulars	Unit	Domestic Coal			Imported Coal
			Supplies by MGR (I)	Supplies by Rail (II)	E-auction coal (III)	
1	Quanty of coal supplied by the coal Company inclusive of opening stock of coal	MT	890648.13			2995.16
2	Adjustment (+/-) in quantity supplied made by Coal Company	MT	-3140.22	0.00		0.00
3	Coal supplied by Coal Company inclusive of opening stock of coal (1+2)	MT	887507.91			2995.16
4	Normative transit & Handling losses	MT	858.46	3691.36		5.99
5	Net Coal supplied (3-4)	MT	882958.10			2989.17
6	Amount charged by the Coal company *	Rs	2721700565.80			15311687.91
7	Adjustment (+ / -) in amount charged by coal Company	Rs				0.00
8	Total Amount charged (6+7)	Rs	2721700565.80			15311687.91
9	Transportation charges by Rail / Ship / Road Transport	Rs	309156914.06			
10	Adjustment (+/-) in amount charged by railways / transport company	Rs				0.00
11	Demurrage charges, if any	Rs	0.00			0.00
12	Cost of diesel in transporting Coal through MGR system	Rs	25598550.45			0.00
13	Total transportation charges (9 +/ - 10 - 11 + 12)	Rs	334755464.51			0.00
13A	Others (Stone picking charge , Loco drivers salary , Sampling ch etc) #		38998308.96			25878.73
14	Total amount charged for Coal / Lignite supplied including transportation (8 + 13)	Rs	3093452339.29			15337564.64
15	Landed Cost	(Rs / MT)	3503.51			5131.06
16	Blending Ratio			99.56		0.44
17	Weighted average cost of Coal	(Rs / MT)	**3510.59**			
18	GCV of Domestic Coal as per bill of Coal Co (Equib. basis)	Kcal/Kg	4770			
19	GCV of Imported Coal as per bill of Coal Co. (AD basis)	Kcal/Kg				5690
20	Weighted Average GCV of Coal as Billed (Domestic Equib. Basis & Imported-AD Basis)	Kcal/Kg	4773			
21	GCV of Domestic Coal as received at Station(TM basis)	Kcal / Kg	3652			
22	GCV of Imported Coal as received at Station (TM basis)	Kcal / Kg				4662
23	Weighted Average GCV of Coal as Received at station (TM basis)	Kcal/Kg	**3652**			

22/4/19

A Sengupta
AGM (Fin)
SSC ER-1: Barh

REVISED

ANNEXURE - 8

FORM - 15

Details / Information to be provided to benificiaries under Clause (7) of Regulation 30 of CERC (Terms & Conditions of Tariff) Regulations-2014

Details /Information to be submitted in respect of Fuel for Consumption of Energy Charges

NAME OF THE PETITIONER : NTPC LIMITED

NAME OF THE GENERATING STATION : FARAKKA SUPER THERMAL POWER STATION (St- I& II)

Month : NOV'18 as on 22.04.2019

S.No.	Particulars	Unit	Domestic Coal			Imported Coal
			Supplies by MGR (I)	Supplies by Rail (II)	E-auction coal (III)	
1	Quantity of coal supplied by the coal Company inclusive of opening stock of coal	MT	858973.32			3573.77
2	Adjustment (+/-) in quantity supplied made by Coal Company	MT	-3579.68	0.00		0.00
3	Coal supplied by Coal Company inclusive of opening stock of coal (1+2)	MT	855393.64			3573.77
4	Normative transit & Handling losses	MT	677.48	3890.76		7.15
5	Net Coal supplied (3-4)	MT	851025.40			3566.62
6	Amount charged by the Coal company *	Rs.	2681086276.71			18266118.15
7	Adjustment (+ / -) in amount charged by coal Company	Rs.				0.00
8	Total Amount charged (6+7)	Rs.	2681086276.71			18266118.15
9	Transportation charges by Rail / Ship / Road Transport	Rs.	327593527.65			
10	Adjustment (+/-) in amount charged by railways / transport company	Rs.				0.00
11	Demurrage charges, if any	Rs.	0.00			0.00
12	Cost of diesel in transporting Coal through MGR system	Rs.	24536120.40			0.00
13	Total transportation charges (9 +/- 10 - 11 + 12)	Rs.	352229648.05			0.00
13A	Others (Stone picking charge , Loco drivers salary , Sampling ch etc) #		36519345.64			34384.90
14	Total amount charged for Coal / Lignite supplied including transportation (8 + 13)	Rs.	3069835272.40			18300503.05
15	Landed Cost	(Rs./ MT)	3607.22			5131.05
16	Blending Ratio		99.57			0.43
17	Weighted average cost of Coal	(Rs./ MT)	3613.73			
18	GCV of Domestic Coal as per bill of Coal Co. (Equib. basis)	Kcal/Kg	4870			
19	GCV of Imported Coal as per bill of Coal Co. (AD basis)	Kcal/Kg				5690
20	Weighted Average GCV of Coal as Billed (Domestic Equib. Basis & Imported-AD Basis)	Kcal/Kg	4874			
21	GCV of Domestic Coal as received at Station(TM basis)	Kcal / Kg	3733			
22	GCV of Imported Coal as received at Station (TM basis)	Kcal / Kg				4062
23	Weighted Average GCV of Coal as Received at station (TM basis)	Kcal/Kg	3738			

22/4/19

A Sengupta
AGM (Fin)
SSC ER-1: Barh

REVISED

ANNEXURE - II

FORM - 15

Details / Information to be provided to benificiaries under Clause (7) of Regulation 30 of CERC (Terms & Conditions of Tariff) Regulations-2014

Details /Information to be submitted in respect of Fuel for Consumption of Energy Charges

NAME OF THE PETITIONER : NTPC LIMITED

NAME OF THE GENERATING STATION : FARAKKA SUPER THERMAL POWER STATION (St- I& II)

Month : DEC'18 as on 22.04.2019

S.No.	Particulars	Unit	Domestic Coal			Imported Coal
			Supplies by MGR (I)	Supplies by Rail (II)	E-auction coal (III)	
1	Quanty of coal supplied by the coal Company inclusive of opening stock of coal	MT	880571.56			7851.28
2	Adjustment (+/-) in quantity supplied made by Coal Company	MT	-2366.31	0.00		0.00
3	Coal supplied by Coal Company inclusive of opening stock of coal (1+2)	MT	878205.25			7851.28
4	Normative transit & Handling losses	MT	709.33	4055.38		15.70
5	Net Coal supplied (3-4)	MT	873440.54			7835.57
6	Amount charged by the Coal company *	Rs.	3024013215.93			40101517.44
7	Adjustment (+ / -) in amount charged by coal Company	Rs.				0.00
8	Total Amount charged (6+7)	Rs.	3024013215.93			40101517.44
9	Transportation charges by Rail / Ship / Road Transport	Rs.	349521680.59			
10	Adjustment (+/-) in amount charged by railways / transport company	Rs.				0.00
11	Demurrage charges, if any	Rs.	0.00			0.00
12	Cost of diesel in transporting Coal through MGR system	Rs.	21035541.60			0.00
13	Total transportation charges (9 +/- 10 - 11 + 12)	Rs.	370557222.19			0.00
13A	Others (Stone picking charge , Loco drivers salary , Sampling ch etc) #		35817323.26			103201.40
14	Total amount charged for Coal / Lignite supplied including transportation (8 + 13)	Rs.	3430387761.38			40204718.84
15	Landed Cost	(Rs./ MT)	3927.44			5131.05
16	Blending Ratio		99.11			0.89
17	Weighted average cost of Coal	(Rs./ MT)	3938.15			
18	GCV of Domestic Coal as per bill of Coal Co (Equib. basis)	Kcal/Kg	4984			
19	GCV of Imported Coal as per bill of Coal Co. (AD basis)	Kcal/Kg				5672
20	Weighted Average GCV of Coal as Billed (Domestic Equib. Basis & Imported-AD Basis)	Kcal/Kg	4990			
21	GCV of Domestic Coal as received at Station(TM basis)	Kcal / Kg	4088			
22	GCV of Imported Coal as received at Station (TM basis)	Kcal / Kg				4662
23	Weighted Average GCV of Coal as received at station (TM basis)	Kcal/Kg	4095			

22/4/19

A Sengupta
AGM (Fin)
SSC ER-1: Barh

Details / information to be submitted in respect of Fuel for computation of Energy Charges

Name of the Company: NTPC Limited **OCT'18**

Name of the Power Station : FARAKKA STPS

Sl.No.	Particulars	Unit	HFO Oct-18 Value
1	Opening Stock of Oil	(KL)	6689.59
2	Value of Opening Stock	(Rs.)	212001098.00
3	Quantity of LDOsupplied by Oil company	(KL)	0.00
4	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00
5	LDO supplied by Oil company (3+4)	(KL)	0.00
6	Normative transit & Handling losses	(KL)	0.00
7	Net Oil supplied (5-6)	(KL)	0.00
8	Amount charged by Oil Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00
10	Total amount charged (8+9)	(Rs.)	0.00
11	Transportation charges by rail/ship/road transport companies	(Rs.)	0.00
12	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00
13	Demurrage Charges, if any	(Rs.)	0.00
14	Total Transportation Charges (11+/-12-13)	(Rs.)	0.00
15	Others/E.TAX	(Rs.)	0.00
16	Total Amount charged for Oil supplied including transportation (10+14+15)	(Rs.)	0.00
17	**Weighted average GCV of Oil (LDO)**	**Kcal/KL**	**9820**
18	Quantity of Oil at Station for the month (1+7)	(KL)	6689.59
19	Total Amount Chargrd for Oil (2+16)	(Rs.)	212001098.00
20	**Weighted average price of LDO (19/18)**	**(Rs./KL)**	**31691.19**
21	Quantity of Oil Consumed (Including Capex Consumption)	(KL)	850.50
22	Value of Oil consumed (21*20)	(Rs.)	26953353.01
23	Closing Stock of Oil (18-21)	(KL)	5839.09
24	Value of Closing Stock (19-22)	(Rs.)	185047745.99

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Sanjay Sinha Digitally signed by Sanjay Sinha Date: 2024.11.11 19:01:39 +05'30'

Sailabala Dhal, Partner
M No- 22835
UDIN - 24228352ZTKX236AZ5

S.DHAL & CO. FRN-000197 BHUBANESWAR COST ACCOUNTANTS

Details / Information to be submitted in respect of Fuel for computation of Energy Charges

Name of the Company: NTPC Limited **NOV'18**

Name of the Power Station : FARAKKA STPS

Sl.No.	Particulars	Unit	HFO
			Nov-18
			Value
1	Opening Stock of Oil	(KL)	5839.09
2	Value of Opening Stock	(Rs.)	185047745.99
3	Quantity of LDOsupplied by Oil company	(KL)	0.00
4	Adjustment(+/-) in qnty.supplied made by Oil Comapany	(KL)	0.00
5	LDO supplied by Oil company (3+4)	(KL)	0.00
6	Normative transit & Handling losses	(KL)	0.00
7	Net Oil supplied (5-6)	(KL)	0.00
8	Amount charged by Oil Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00
10	Total amount charged (8+9)	(Rs.)	0.00
11	Transportation charges by rail/ship/road transport companies	(Rs.)	0.00
12	Adjustment(+/-) in amount made by/Railways/ Transport Company	(Rs.)	0.00
13	Demurrage Charges, if any	(Rs.)	0.00
14	Total Transportation Charges (11+/-12+13)	(Rs.)	0.00
15	Others/E.TAX	(Rs.)	0.00
16	Total Amount charged for Oil supplied including transcortation (10+14+15)	(Rs.)	0.00
17	**Weighted average GCV of Oil (LDO)**	**Kcal/KL**	**9740**
18	Quantity of Oil at Station for the month (1+7)	(KL)	5839.09
19	Total Amount Chargrd for Oil (2+16)	(Rs.)	185047745.99
20	**Weighted average price of LDO (19/18)**	**(Rs./KL)**	**31691.19**
21	Quantity of Oil Consumed (Including Capex Consumption)	(KL)	556.00
22	Value of Oil consumed (21*20)	(Rs.)	17620362.36
23	Closing Stock of Oil (18-21)	(KL)	5283.09
24	Value of Closing Stock (19-22)	(Rs.)	167427383.63

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Sailabala Dhal, Partner
M No- 22835
UDIN - 24228352ZTKX236AZ5

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S. DHAL & CO. FRN-000197 BHUBANESWAR COST ACCOUNTANTS

Details / information to be submitted in respect of Fuel for computation of Energy Charges

Name of the Company: NTPC Limited **DEC'18**

Name of the Power Station : FARAKKA STPS

Sl.No.	Particulars	Unit	HFO Dec-18 Value
1	Opening Stock of Oil	(KL)	5283.09
2	Value of Opening Stock	(Rs.)	167427447.02
3	Quantity of LDOsupplied by Oil company	(KL)	2723.56
4	Adjustment(+/-) in qnty supplied made by Oil Company	(KL)	0.00
5	LDO supplied by Oil company (3+4)	(KL)	2723.56
6	Normative transit & Handling losses	(KL)	0.00
7	Net Oil supplied (5-6)	(KL)	2723.56
8	Amount charged by Oil Company	(Rs.)	125871158.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00
10	Total amount charged (8+9)	(Rs.)	125871158.00
11	Transportation charges by rail/ship/road transport companies	(Rs.)	0.00
12	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00
13	Demurrage Charges, if any	(Rs.)	0.00
14	Total Transportation Charges (11+/-12-13)	(Rs.)	0.00
15	Others/E.TAX	(Rs.)	0.00
16	Total Amount charged for Oil supplied including transportation (10+14+15)	(Rs.)	125871158.00
17	**Weighted average GCV of Oil (LDO)**	**Kcal/KL**	**9810**
18	Quantity of Oil at Station for the month (1+7)	(KL)	8006.65
19	Total Amount Chargrd for Oil (2+16)	(Rs.)	293298605.02
20	**Weighted average price of LDO (19/18)**	**(Rs./KL)**	**36631.88**
21	Quantity of Oil Consumed (Including Capex Consumption)	(KL)	588.50
22	Value of Oil consumed (21*20)	(Rs.)	19037689.16
23	Closing Stock of Oil (18-21)	(KL)	7418.15
24	Value of Closing Stock (19-22)	(Rs.)	274260915.86

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Sailabala Dhal

Sailabala Dhal, Partner
M No- 22835
UDIN - 24228352ZTKX236AZ5

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S. DHAL & CO. FRN-000197 BHUBANESWAR COST ACCOUNTANTS

Form 15: Stage I & II

Name of the Generating Station : Farakka Super Thermal Power Station

Form 15: Stage I & II			Oct'19		
S. No.	PARTICULARS	Unit	Revised		
Sl No	PARTICULARS		Domestic		Imported
			Supplies by MGR	Supplies by Rail	
A)	**OPENING QUANTITY**				
1	Opening Quantity of Coal/Lignite	(MT)	192610.88		
2	Value of Stock		726398172.06		
I)	**QUANTITY**				
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	142434.25	372292.58	
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MT)	-1621.62	-1052.7	
5	Coal supplied Iy Coal/Lignite(3+4) Company (3+4)	(MT)	140812.63	371239.88	
6	Normative Transit & Handling Losses (For	(MT)	284.87	2978.34	
	coal/Lignite lased Projects)				
7	Net coal / Lignite Supplied (5-6) 4)	(MT)	140527.7615	368261.5394	
C)	**PRICE**				
8	Amount charged By the Coal /Lignite Company	(Rs.)	1560374598		
9	Adjustment (+/-) in amount charged made Iy Coal/Lignite Company	(Rs.)	17848918.96		
10	Handling, Sampling and such other similar charges		91294249.38		
11	Total amount Charged(8+9+10)	(Rs.)	**1669517766.09**		
D)	**TRANSPORATION**				
12	Transportation charges by rail/ship/road transport	(Rs.)	**233924951**		
	By Rail		233924951		
	By Road				
	By Ship				
	……..				
13	Adjustment (+/-) in amount charged made by	(Rs.)			
	Railways/Transport Company				
14	Demurrage Charges, if any	(Rs.)			
15	Cost of diesel in transporting coal through MGR system, if applicalle	(Rs.)	22193523.09		
16	Total Transportation Charges(12+13+14+15)	(Rs.)	**256118474.09**		
17	Total amount Charged for coal/lignite supplied including Transportation(11+16)	(Rs.)	**1925636240.18**		
E)	**TOTAL COST**				
18	Landed cost of coal/ Lignite(2+17)/(1+7)	Rs./MT	3781.06		
19	Blending Ratio (Domestic/Imported)		100		
20	Weighted average cost of coal/ Lignite for preceding three months	Rs./MT			
F)	**QUALITY**				
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4923		
22	GCV of Domestic Coal supplied as per Bill of Coal Company	(kCal/Kg)	5275		
23	GCV of Imported Coal of the opening stock as per Bill Coal Company	(kCal/Kg)			
24	GCV of Imported Coal supplied as per Bill Coal Company	(kCal/Kg)			
25	Weighted average GCV of coal/ Lignite as billed	(kCal/Kg)	5275		
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3629		
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	3725		
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)			
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)			
30	Weighted average GCV of coal/ Lignite as Received	(kCal/Kg)	3725		

SUNIL KUMAR AGRAWAL

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Anindya Sengupta
AGM(F&A)

Form 15: Stage I & II

Name of the Generating Station : Farakka Super Thermal Power Station

Form 15: Stage I & II			Nov'19		
S. No.	PARTICULARS	Unit	Revised		
Sl No	PARTICULARS		Domestic		Imported
			Supplies by MGR	Supplies by Rail	
A)	**OPENING QUANTITY**				
1	Opening Quantity of Coal/Lignite	(MT)	131647.18		
2	Value of Stock		497764134.24		
I)	**QUANTITY**				
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	299745.76	377336.54	
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MT)	-714.42	-624.65	
5	Coal supplied Iy Coal/Lignite(3+4) Company (3+4)	(MT)	299031.34	376711.89	
6	Normative Transit & Handling Losses (For	(MT)	599.49	3018.69	
	coal/Lignite lased Projects)				
7	Net coal / Lignite Supplied (5-6) 4)	(MT)	298431.848	373693.1977	
C)	**PRICE**				
8	Amount charged By the Coal /Lignite Company	(Rs.)	2108434679		
9	Adjustment (+/-) in amount charged made Iy Coal/Lignite Company	(Rs.)	125509639.8		
10	Handling, Sampling and such other similar charges		31364666.05		
11	Total amount Charged(8+9+10)	(Rs.)	**2265308985**		
D)	**TRANSPORATION**				
12	Transportation charges by rail/ship/road transport	(Rs.)	**227945450**		
	By Rail		227945450		
	By Road				
	By Ship				
	……..				
13	Adjustment (+/-) in amount charged made by	(Rs.)			
	Railways/Transport Company				
14	Demurrage Charges, if any	(Rs.)			
15	Cost of diesel in transporting coal through MGR system, if applicalle	(Rs.)	22193523.09		
16	Total Transportation Charges(12+13+14+15)	(Rs.)	**250138973.1**		
17	Total amount Charged for coal/lignite supplied including Transportation(11+16)	(Rs.)	**2515447958**		
E)	**TOTAL COST**				
18	Landed cost of coal/ Lignite(2+17)/(1+7)	Rs./MT	3748.84		
19	Blending Ratio (Domestic/Imported)		100		
20	Weighted average cost of coal/ Lignite for preceding three months	Rs./MT			
F)	**QUALITY**				
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	5237		
22	GCV of Domestic Coal supplied as per Bill of Coal Company	(kCal/Kg)	4911		
23	GCV of Imported Coal of the opening stock as per Bill Coal Company	(kCal/Kg)			
24	GCV of Imported Coal supplied as per Bill Coal Company	(kCal/Kg)			
25	Weighted average GCV of coal/ Lignite as billed	(kCal/Kg)	4911		
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3712		
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	3697		
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)			
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)			
30	Weighted average GCV of coal/ Lignite as Received	(kCal/Kg)	3697		

SUNIL KUMAR AGRAWAL

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Anindya Sengupta
AGM(F&A)

Form 15: Stage I & II

Name of the Generating Station : Farakka Super Thermal Power Station

Form 15: Stage I & II			Dec'19		
S. No.	PARTICULARS	Unit	Revised		
Sl No	PARTICULARS		Domestic		Imported
			Supplies by MGR	Supplies by Rail	
A)	**OPENING QUANTITY**				
1	Opening Quantity of Coal/Lignite	(MT)	185660.22		
2	Value of Stock		696009101.95		
I)	**QUANTITY**				
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	412891.1	526525.68	
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MT)	-800.87	-1162.66	
5	Coal supplied Iy Coal/Lignite(3+4) Company (3+4)	(MT)	412090.23	525363.02	
6	Normative Transit & Handling Losses (For	(MT)	825.78	4212.21	
	coal/Lignite lased Projects)				
7	Net coal / Lignite Supplied (5-6) 4)	(MT)	411264.4478	521150.8146	
C)	**PRICE**				
8	Amount charged By the Coal /Lignite Company	(Rs.)	2576973370		
9	Adjustment (+/-) in amount charged made Iy Coal/Lignite Company	(Rs.)	337739241.3		
10	Handling, Sampling and such other similar charges		31364666.05		
11	Total amount Charged(8+9+10)	(Rs.)	**2946077277**		
D)	**TRANSPORATION**				
12	Transportation charges by rail/ship/road transport	(Rs.)	**339477397**		
	By Rail		339477397		
	By Road				
	By Ship				
	……..				
13	Adjustment (+/-) in amount charged made by	(Rs.)			
	Railways/Transport Company				
14	Demurrage Charges, if any	(Rs.)			
15	Cost of diesel in transporting coal through MGR system, if applicalle	(Rs.)	22193523.09		
16	Total Transportation Charges(12+13+14+15)	(Rs.)	**361670920.1**		
17	Total amount Charged for coal/lignite supplied including Transportation(11+16)	(Rs.)	**3307748197**		
E)	**TOTAL COST**				
18	Landed cost of coal/ Lignite(2+17)/(1+7)	Rs./MT	3580.94		
19	Blending Ratio (Domestic/Imported)		100		
20	Weighted average cost of coal/ Lignite for preceding three months	Rs./MT			
F)	**QUALITY**				
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4922		
22	GCV of Domestic Coal supplied as per Bill of Coal Company	(kCal/Kg)	4680		
23	GCV of Imported Coal of the opening stock as per Bill Coal Company	(kCal/Kg)			
24	GCV of Imported Coal supplied as per Bill Coal Company	(kCal/Kg)			
25	Weighted average GCV of coal/ Lignite as billed	(kCal/Kg)	4680		
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3698		
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	3387		
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)			
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)			
30	Weighted average GCV of coal/ Lignite as Received	(kCal/Kg)	3387		

SUNIL KUMAR AGRAWAL

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Anindya Sengupta
AGM(F&A)

Details / information to be submitted in respect of Fuel for computation of Energy Charges

Name of the Company: NTPC Limited **OCT'19**

Name of the Power Station : FARAKKA STPS

Sl.No.	Particulars	Unit	HFO Oct-19 Value
1	Opening Stock of Oil	(KL)	3828.47
2	Value of Opening Stock	(Rs.)	143691970.46
3	Quantity of HFO supplied by Oil company	(KL)	0.00
4	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00
5	HFO supplied by Oil company (3+4)	(KL)	0.00
6	Normative transit & Handling losses	(KL)	0.00
7	Net Oil supplied (5-6)	(KL)	0.00
8	Amount charged by Oil Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00
10	Total amount charged (8+9)	(Rs.)	0.00
11	Transportation charges by rail/ship/road transport companies	(Rs.)	0.00
12	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00
13	Demurrage Charges, if any	(Rs.)	0.00
14	Total Transportation Charges (11+/-12-13)	(Rs.)	0.00
15	Others/E.TAX	(Rs.)	0.00
16	Total Amount charged for Oil supplied including transportation (10+14+15)	(Rs.)	0.00
17	**Weighted average GCV of Oil (HFO)**	**Kcal/KL**	**9710.00**
18	Quantity of Oil at Station for the month (1+7)	(KL)	3828.47
19	Total Amount Chargrd for Oil (2+16)	(Rs.)	143691970.46
20	**Weighted average price of HFO (19/18)**	**(Rs./KL)**	**37532.48**
21	Quantity of Oil Consumed (Including Capex Consumption)	(KL)	1362.50
22	Value of Oil consumed (21*20)	(Rs.)	51138002.84
23	Closing Stock of Oil (18-21)	(KL)	2465.97
24	Value of Closing Stock (19-22)	(Rs.)	92553967.61

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A Sengupta
AGM (Fin)
SSC ER-1: Barh

Details / information to be submitted in respect of Fuel for computation of Energy Charges

Name of the Company: NTPC Limited **NOV'19**

Name of the Power Station : FARAKKA STPS

Sl.No.	Particulars	Unit	HFO Nov-19 Value
1	Opening Stock of Oil	(KL)	2465.97
2	Value of Opening Stock	(Rs.)	92553967.61
3	Quantity of HFO supplied by Oil company	(KL)	2891.73
4	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00
5	HFO supplied by Oil company (3+4)	(KL)	2891.73
6	Normative transit & Handling losses	(KL)	0.00
7	Net Oil supplied (5-6)	(KL)	2891.73
8	Amount charged by Oil Company	(Rs.)	120373802.98
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00
10	Total amount charged (8+9)	(Rs.)	120373802.98
11	Transportation charges by rail/ship/road transport companies	(Rs.)	0.00
12	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00
13	Demurrage Charges, if any	(Rs.)	0.00
14	Total Transportation Charges (11+/-12-13)	(Rs.)	0.00
15	Others/E.TAX	(Rs.)	0.00
16	Total Amount charged for Oil supplied including transportation (10+14+15)	(Rs.)	120373802.98
17	**Weighted average GCV of Oil (HFO)**	**Kcal/KL**	**9690.00**
18	Quantity of Oil at Station for the month (1+7)	(KL)	5357.70
19	Total Amount Chargrd for Oil (2+16)	(Rs.)	212927770.59
20	**Weighted average price of HFO (19/18)**	**(Rs./KL)**	**39742.39**
21	Quantity of Oil Consumed (Including Capex Consumption)	(KL)	1278.50
22	Value of Oil consumed (21*20)	(Rs.)	50810647.39
23	Closing Stock of Oil (18-21)	(KL)	4079.20
24	Value of Closing Stock (19-22)	(Rs.)	162117123.21

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A Sengupta
AGM (Fin)
SSC ER-1: Barh

Details / information to be submitted in respect of Fuel for computation of Energy Charges

Name of the Company: NTPC Limited **DEC'19**

Name of the Power Station : FARAKKA STPS

Sl.No.	Particulars	Unit	HFO Dec-19 Value
1	Opening Stock of Oil	(KL)	4079.20
2	Value of Opening Stock	(Rs.)	162117123.21
3	Quantity of HFO supplied by Oil company	(KL)	2835.97
4	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00
5	HFO supplied by Oil company (3+4)	(KL)	2835.97
6	Normative transit & Handling losses	(KL)	0.00
7	Net Oil supplied (5-6)	(KL)	2835.97
8	Amount charged by Oil Company	(Rs.)	120373802.98
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00
10	Total amount charged (8+9)	(Rs.)	120373802.98
11	Transportation charges by rail/ship/road transport companies	(Rs.)	0.00
12	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00
13	Demurrage Charges, if any	(Rs.)	0.00
14	Total Transportation Charges (11+/-12-13)	(Rs.)	0.00
15	Others/E.TAX	(Rs.)	0.00
16	Total Amount charged for Oil supplied including transportation (10+14+15)	(Rs.)	120373802.98
17	**Weighted average GCV of Oil (HFO)**	**Kcal/KL**	**9830.00**
18	Quantity of Oil at Station for the month (1+7)	(KL)	6915.17
19	Total Amount Chargrd for Oil (2+16)	(Rs.)	282490926.19
20	**Weighted average price of HFO (19/18)**	**(Rs./KL)**	**40850.92**
21	Quantity of Oil Consumed (Including Capex Consumption)	(KL)	514.50
22	Value of Oil consumed (21*20)	(Rs.)	21017800.81
23	Closing Stock of Oil (18-21)	(KL)	6400.67
24	Value of Closing Stock (19-22)	(Rs.)	261473125.38

SUNIL KUMAR AGRAWAL

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AVIJIT NANDY

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Avijit Nandy
AGM (Fin)
SSC ER-1: Barh

Form 15: Stage I & II						
Name of the Generating Station : Farakka Super Thermal Power Station						
Form 15: Stage I & II			**Oct'20**			
S.	**PARTICULARS**	**Unit**				
Sl No	**PARTICULARS**		**Domestic**			**Imported**
			Supplies by MGR	**Supplies by Rail**	**Supplied by NTPC P**	
A)	**OPENING QUANTITY**					
1	Opening Quantity of Coal/Lignite	(MT)	682603.98		33276.33	
2	Value of Stock		2371006011.58		117198621.34	
I)	**QUANTITY**					
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	3,44,635.03	3,55,313.97	0	
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MT)				
5	Coal supplied Iy Coal/Lignite(3+4) Company (3+4)	(MT)	344635.03	355313.97	0	
6	Normative Transit & Handling Losses (For	(MT)	689.27	2842.51	0	
	coal/Lignite lased Projects)					
7	Net coal / Lignite Supplied (5-6) 4)	(MT)	343945.7599	352471.4582	0.00	
C)	**PRICE**					
8	Amount charged By the Coal /Lignite Company	(Rs.)	2161197906		0	
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	-43849183.39			
10	Handling, Sampling and such other similar charges		46114365.69			
11	Total amount Charged(8+9+10)	(Rs.)	**2163463088.31**		**0.00**	
D)	**TRANSPORATION**					
12	Transportation charges by rail/ship/road transport	(Rs.)	**234736836**		**0**	
	By Rail		234736836			
	By Road					
	By Ship					
	……..					
13	Adjustment (+/-) in amount charged made by	(Rs.)				
	Railways/Transport Company					
14	Demurrage Charges, if any	(Rs.)				
15	Cost of diesel in transporting coal through MGR system, if applicalle	(Rs.)	23716325.9			
16	Total Transportation Charges(12+13+14+15)	(Rs.)	**258453161.90**		**0.00**	
17	Total amount Charged for coal/lignite supplied including Transportation(11+16)	(Rs.)	**2421916250.21**		**0.00**	
E)	**TOTAL COST**					
18	Landed cost of coal/ Lignite(2+17)/(1+7)	Rs./MT	3475.60		3521.98	
19	Blending Ratio (Domestic/Imported)		0.98		0.02	
20	Weighted average cost of coal/ Lignite	Rs./MT	3476.63			
F)	**QUALITY**					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4650		4750	
22	GCV of Domestic Coal supplied as per Bill of Coal Company	(kCal/Kg)	4731			
23	GCV of Imported Coal of the opening stock as per Bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per Bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal/ Lignite as billed	(kCal/Kg)	4694			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3443		3742	
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	3393			
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as Received	(kCal/Kg)	3424			

SUNIL KUMAR AGRAWAL

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AGM(F&A)

Form 15: Stage I & II						
Name of the Generating Station : Farakka Super Thermal Power Station						
Form 15: Stage I & II			**Nov'20**			
S.	**PARTICULARS**	**Unit**				
Sl No	**PARTICULARS**		**Domestic**			**Imported**
			Supplies by MGR	**Supplies by Rail**	**Supplied by NTPC P**	
A)	**OPENING QUANTITY**					
1	Opening Quantity of Coal/Lignite	(MT)	655119.20		16759.33	
2	Value of Stock		2276928470.78		59026077.34	
I)	**QUANTITY**					
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	478313.23	264937.61		
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MT)				
5	Coal supplied Iy Coal/Lignite(3+4) Company (3+4)	(MT)	478313.23	264937.61	0	
6	Normative Transit & Handling Losses (For	(MT)	956.63	2119.50	0	
	coal/Lignite lased Projects)					
7	Net coal / Lignite Supplied (5-6) 4)	(MT)	477356.60	262818.11	0.00	
C)	**PRICE**					
8	Amount charged By the Coal /Lignite Company	(Rs.)	2085350944			
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	-43849183.39			
10	Handling, Sampling and such other similar charges		46114365.69			
11	Total amount Charged(8+9+10)	(Rs.)	**2087616126**		**0.00**	
D)	**TRANSPORATION**					
12	Transportation charges by rail/ship/road transport	(Rs.)	**175242628**		**0**	
	By Rail		175242628			
	By Road					
	By Ship					
	……					
13	Adjustment (+/-) in amount charged made by	(Rs.)				
	Railways/Transport Company					
14	Demurrage Charges, if any	(Rs.)				
15	Cost of diesel in transporting coal through MGR system, if applicalle	(Rs.)	27514637.84			
16	Total Transportation Charges(12+13+14+15)	(Rs.)	**202757265.8**		**0.00**	
17	Total amount Charged for coal/lignite supplied including Transportation(11+16)	(Rs.)	**2290373392**		**0.00**	
E)	**TOTAL COST**					
18	Landed cost of coal/ Lignite(2+17)/(1+7)	Rs./MT	3273.36		3521.98	
19	Blending Ratio (Domestic/Imported)		0.99		0.01	
20	Weighted average cost of coal/ Lignite	Rs./MT	3275.85			
F)	**QUALITY**					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4693		4750	
22	GCV of Domestic Coal supplied as per Bill of Coal Company	(kCal/Kg)	4376			
23	GCV of Imported Coal of the opening stock as per Bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per Bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal/ Lignite as billed	(kCal/Kg)	4518.08			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3416		3742	
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	3191			
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as Received	(kCal/Kg)	3295			

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AGM(F&A)

Form 15: Stage I & II						
Name of the Generating Station : Farakka Super Thermal Power Station						
Form 15: Stage I & II			**Dec'20**			
S.	**PARTICULARS**	**Unit**				
Sl No	**PARTICULARS**		**Domestic**			**Imported**
			Supplies by MGR	**Supplies by Rail**	**Supplied by NTPC P**	
A)	**OPENING QUANTITY**					
1	Opening Quantity of Coal/Lignite	(MT)	713219.92		9865.33	
2	Value of Stock		2334628113.93		34745547.34	
I)	**QUANTITY**					
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	193143.6	284155.06	39404.06	
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MT)	-54.55			
5	Coal supplied Iy Coal/Lignite(3+4) Company (3+4)	(MT)	193089.05	284155.06	39404.06	
6	Normative Transit & Handling Losses (For	(MT)	386.29	2273.24	315.23248	
	coal/Lignite lased Projects)					
7	Net coal / Lignite Supplied (5-6) 4)	(MT)	192702.76	281881.82	39088.83	
C)	**PRICE**					
8	Amount charged By the Coal /Lignite Company	(Rs.)	1617197650		94919185	
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	-43849183.39			
10	Handling, Sampling and such other similar charges		46114365.69		1561061.261	
11	Total amount Charged(8+9+10)	(Rs.)	**1619462832**		**96480246.26**	
D)	**TRANSPORATION**					
12	Transportation charges by rail/ship/road transport	(Rs.)	**192402587**		**45461915**	
	By Rail		192402587		45461915	
	By Road					
	By Ship					
	……..					
13	Adjustment (+/-) in amount charged made by	(Rs.)				
	Railways/Transport Company					
14	Demurrage Charges, if any	(Rs.)				
15	Cost of diesel in transporting coal through MGR system, if applicalle	(Rs.)	15250813.84		0	
16	Total Transportation Charges(12+13+14+15)	(Rs.)	**207653400.84**		**45461915.00**	
17	Total amount Charged for coal/lignite supplied including Transportation(11+16)	(Rs.)	**1827116233**		**141942161.26**	
E)	**TOTAL COST**					
18	Landed cost of coal/ Lignite(2+17)/(1+7)	Rs./MT	3503.73		3609.25	
19	Blending Ratio (Domestic/Imported)		0.96		0.04	
20	Weighted average cost of coal/ Lignite	Rs./MT	3507.88			
F)	**QUALITY**					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4516		4750	
22	GCV of Domestic Coal supplied as per Bill of Coal Company	(kCal/Kg)	5010		4750	
23	GCV of Imported Coal of the opening stock as per Bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per Bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal/ Lignite as billed	(kCal/Kg)	4727			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3290		3742	
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	3847		4106	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as Received	(kCal/Kg)	3548			

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AGM(F&A)

Details / information to be submitted in respect of Fuel for computation of Energy Charges

Name of the Company: NTPC Limited

Name of the Power Station : FARAKKA STPS

Sl.No.	Particulars	Unit	HFO
			Oct-20
			Value
1	Opening Stock of Oil	(KL)	5449.95
2	Value of Opening Stock	(Rs.)	225085254.52
3	Quantity of HFO supplied by Oil company	(KL)	2905.50
4	Adjustment(+/-) in qnty supplied made by Oil Comapany	(KL)	0.00
5	HFO supplied by Oil company (3+4)	(KL)	2905.50
6	Normative transit & Handling losses	(KL)	0.00
7	Net Oil supplied (5-6)	(KL)	2905.50
8	Amount charged by Oil Company	(Rs.)	49504603.21
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00
10	Total amount charged (8+9)	(Rs.)	49504603.21
11	Transportation charges by rail/ship/road transport companies	(Rs.)	0.00
12	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00
13	Demurrage Charges, if any	(Rs.)	0.00
14	Total Transportation Charges (11+/-12-13)	(Rs.)	0.00
15	Others/E.TAX	(Rs.)	0.00
16	Total Amount charged for Oil supplied including transportation (10+14+15)	(Rs.)	49504603.21
17	Weighted average GCV of Oil (HFO)	Kcal/KL	9790.00
18	Quantity of Oil at Station for the month (1+7)	(KL)	8355.45
19	Total Amount Charged for Oil (2+16)	(Rs.)	274559857.73
20	Weighted average price of HFO (19/18)	(Rs./KL)	32863.57
21	Quantity of Oil Consumed (Including Capex Consumption)	(KL)	1758.50
22	Value of Oil consumed (21*20)	(Rs.)	57790596.34
23	Closing Stock of Oil (18-21)	(KL)	6596.95
24	Value of Closing Stock (19-22)	(Rs.)	216769261.39

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Sailabala Dhal, Partner
M No- 22835
UDIN - 24228352ZTKX236AZ5

S. DHAL & CO. FRN-000197 BHUBANESWAR COST ACCOUNTANTS

Details / information to be submitted in respect of Fuel for computation of Energy Charges

Name of the Company: NTPC Limited

Name of the Power Station : FARAKKA STPS

Sl.No.	Particulars	Unit	HFO Nov-20 Value
1	Opening Stock of Oil	(KL)	6596.95
2	Value of Opening Stock	(Rs.)	216799261.39
3	Quantity of HFO supplied by Oil company	(KL)	0.00
4	Adjustment(+/-) in qnty.supplied made by Oil Company	(KL)	0.00
5	HFO supplied by Oil company (3+4)	(KL)	0.00
6	Normative transit & Handling losses	(KL)	0.00
7	Net Oil supplied (5-6)	(KL)	0.00
8	Amount charged by Oil Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00
10	Total amount charged (8+9)	(Rs.)	0.00
11	Transportation charges by rail/ship/road transport companies	(Rs.)	0.00
12	Adjustment(+/-) in amount made by Railways/ Transport Company	(Rs.)	0.00
13	Demurrage Charges, if any	(Rs.)	0.00
14	Total Transportation Charges (11+/-12-13)	(Rs.)	0.00
15	Others/E TAX	(Rs.)	0.00
16	Total Amount charged for Oil supplied including transportation (10+14+15)	(Rs.)	0.00
17	**Weighted average GCV of Oil (HFO)**	**Kcal/KL**	**9810.00**
18	Quantity of Oil at Station for the month (1+7)	(KL)	6596.95
19	Total Amount Chargrd for Oil (2+16)	(Rs.)	216799261.39
20	**Weighted average price of HFO (19/18)**	**(Rs./KL)**	**32863.57**
21	Quantity of Oil Consumed (Including Capex Consumption)	(KL)	508.00
22	Value of Oil consumed (21*20)	(Rs.)	16694696.01
23	Closing Stock of Oil (18-21)	(KL)	6088.95
24	Value of Closing Stock (19-22)	(Rs.)	200104565.37

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Sailabala Dhal
Sailabala Dhal, Partner
M No- 22835
UDIN - 24228352ZZTKX236AZ5

Sanjay Sinha
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S.DHAL & CO. FRN-000197 BHUBANESWAR COST ACCOUNTANTS

Details / information to be submitted in respect of Fuel for computation of Energy Charges

Name of the Company: NTPC Limited

Name of the Power Station : FARAKKA STPS

Sl.No.	Particulars	Unit	HFO
			Dec-20
			Value
1	Opening Stock of Oil	(KL)	6088.95
2	Value of Opening Stock	(Rs.)	200104565.37
3	Quantity of HFO supplied by Oil company	(KL)	0.00
4	Adjustment(+/-) in qnty supplied made by Oil Comopany	(KL)	0.00
5	HFO supplied by Oil company (3+4)	(KL)	0.00
6	Normative transit & Handling losses	(KL)	0.00
7	Net Oil supplied (5-6)	(KL)	0.00
8	Amount charged by Oil Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00
10	Total amount charged (8+9)	(Rs.)	0.00
11	Transportation charges by rail/ship/road transport companies	(Rs.)	0.00
12	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00
13	Demurrage Charges, if any	(Rs.)	0.00
14	Total Transportation Charges (11+/-12-13)	(Rs.)	0.00
15	Others/E.TAX	(Rs.)	0.00
16	Total Amount charged for Oil supplied including transportaion (10+14+15)	(Rs.)	0.00
17	**Weighted average GCV of Oil (HFO)**	**Kcal/KL**	**9830.00**
18	Quantity of Oil at Station for the month (1+7)	(KL)	6088.95
19	Total Amount Chargrd for Oil (2+16)	(Rs.)	200104565.37
20	**Weighted average price of HFO (19/18)**	**(Rs./KL)**	**32863.57**
21	Quantity of Oil **Consumed** (Including Capex Consumption)	(KL)	1719.50
22	Value of Oil consumed (21*20)	(Rs.)	565089616.92
23	Closing Stock of Oil (18-21)	(KL)	4369.45
24	Value of Closing Stock (19-22)	(Rs.)	143595648.45

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Sailabala Dhal

Sailabala Dhal, Partner
M No- 22835
UDIN - 24228352ZTKX236AZ5

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S. DHAL & CO. FRN-000197 BHUBANESWAR COST ACCOUNTANTS

Form 15: Stage I & II

Name of the Generating Station : Farakka Super Thermal

Form 15: Stage I & II

Sl. No.	PARTICULARS	Unit	Dec'21					Nov'21					Oct'21				
			Domestic			Biomass	Imported	Domestic			Biomass	Imported	Domestic			Biomass	Imported
			Supplies by MGR	Supplies by Rail	Supplied by NTPC P			Supplies by MGR	Supplies by Rail	Supplied by NTPC P			Supplies by MGR	Supplies by Rail	Supplied by NTPC P		
A)	OPENING QUANTITY																
1	Opening Quantity of Coal/Lignite	(MT)	87918.07		0.00	8.03		116584.37		6080.53	17.03		146326.80		3300.12	20.03	
2	Value of Stock		366841781.49		0.00	66706.25		497865407.71		21201020.92	141471.25		602142677.42		11985223.01	166382.26	
B)	QUANTITY																
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	89094.06	520956.42	208814.37	0		124824.18	417244.01	137988.8	0		86,415.65	456,514.66	19728.64	0	
4	Adjustment(+/-) in quantity supplied made by Coal/Lignite Company	(MT)															
5	Coal supplied by Coal/Lignite(3+4) Company (3+4)	(MT)	89094.06	520956.42	208814.37	0		124824.18	417244.01	137988.8	0		86415.65	456514.66	19728.64	0	
6	Normative Transit & Handling Losses (For coal/Lignite based Projects	(MT)	176.18	4187.65	1670.51496	0		240.65	3337.96	1104	0		172.83	3668.12	157.13	0	
7	Net coal / Lignite Supplied (5-6)	(MT)	87917.87	516768.77	207143.86	0		124574.54	413906.06	136884.80	0		86343.03	454846.54	19571.51	0	
C)	PRICE																
8	Amount charged By the Coal /Lignite Company	(Rs.)	2134099927	51464937.2	0			1874729988		336255444.4	0		1885491804		45462812.91	0	
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	3156517.537					3156517.537					3156517.537				
10	Handling, Sampling and such other similar charges		20982373.38		4041885	0		20982373.38		4041885	0		20982373.38		4041885	0	
11	Total amount Charged(8+9+10)	(Rs.)	2158238328		51851229	0.00		1898668901		340297329	0.00		1909630695.91		49504698	0.00	
D)	TRANSPORATION																
12	Transportation charges by rail/ship/road transport	(Rs.)	445947801		345962196	0.00		3265.30316		187774418	0.00		400696196		18278648	0.00	
	By Rail		445947801		345962196			3265.30316		187774418			400696196		18278648		
	By Road																
	By Ship																
	Others																
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)															
14	Demurrage Charges, if any	(Rs.)															
15	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	17002x73.96		0			22252696.87					24236390.37				
16	Total Transportation Charges(12+13+14+15)	(Rs.)	463880231.96		345962196.00	0.00		3487932112.9		187774418.00	0.00		428014486.37		18278648.00	0.00	
17	Total amount Charged for coal/lignite supplied including Transportation(11+16)	(Rs.)	2622088560		7640034606.17	0.00		5247643094		528071747.38	0.00		2324645183.28		67781186.91	0.00	
E)	TOTAL COST																
18	Landed cost of coal/Lignite(3+17)/(1+7)	Rs./MT	4274.51		3691.41	8307.19		4191.51		3642.00	8307.19		4272.20		3490.71	8307.19	
19	Blending Ratio (Domestic/Imported)		0.78		0.22	0.00		0.80		0.20	0.00		0.97		0.03	0.00	
20	Weighted average cost of coal/ Lignite (Including Biomass)	Rs./MT	4148.40					4113.58					4249.76				
	Weighted average cost of coal/ Lignite (Excluding Biomass)	Rs./MT	4148.52					4112.87					4249.73				
F)	QUALITY																
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	5109		4751	3790		5032		4778	3788		4945			3790	
22	GCV of Domestic Coal supplied as per Bill of Coal Company	(kCal/Kg)	5321		4750			5152		4750	0		5079		4750	0	
23	GCV of Imported Coal of the opening stock as per Bill Coal Company	(kCal/Kg)															
24	GCV of Imported Coal supplied as per Bill Coal Company	(kCal/Kg)															
25	Weighted average GCV of coal/ Lignite as billed(Including Biomass)	(kCal/Kg)	5143					5037					5043				
25.1	Weighted average GCV of coal/ Lignite as billed(Excluding Biomass)	(kCal/Kg)	5149					5037					5043				
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3863		3804	3784		3738		3771	3784		3879			3784	
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	3984		3881			4029		3805	0		3750		3738	0	
28	GCV of imported Coal of opening stock as received at Station	(kCal/Kg)															
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)															
30	Weighted average GCV of coal/ Lignite as Received(Including Biomass)	(kCal/Kg)	3979					3912					3737				
31	Weighted average GCV of coal/ Lignite as Received(Excluding Biomass)	(kCal/Kg)	3975					3913					3737				

SUNIL KUMAR AGRAWAL

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	DETAILS /INFORMATION TO BE SUBMITTED i.r.o FUEL FOR COMPUTATION OF ENERGY CHARGES (In case of Oil)	FORM-15		FORM-15		FORM-15	
	NAME OF THE POWER STATION :- FSTPS		Dec-21		Nov-21		Oct-21
	MONTH :-	Dec-21	HFO	Nov-21	HFO	Oct-21	HFO
			Col 1		Col 1		Col 1
Sl	Particulars	Unit	Total	Unit	Total	Unit	Total
1	Opening Stock of Oil	KL	7508.34	KL	7917.84	KL	5865.49
2	Value of Opening Stock	Rs	379142103	Rs	399820273	Rs	287050762
3	Quantity of Oil supplied made by Oil Company	KL	0.00	KL	0.00	KL	2684.35
4	Adjustment (+/-) in quantity supplied made Oil Compan	KL	0.00	KL	0.00	KL	0.00
5	Oil supplied by Oil Company (3+4)	KL	0.00	KL	0.00	KL	2684.35
6	Normative transit & handling losses	KL	0.00	KL	0.00	KL	0.00
7	Net Oil supplied (5-6)	KL	0.00	KL	0.00	KL	2684.35
8	Amount charged by the Oil Company	Rs	0.00	Rs	0.00	Rs	144683072.73
9	Adjustment (+/-) in amount Charged by Oil Company	Rs	0.00	Rs	0.00	Rs	0.00
10	Handling, Sampling and such other similar charges						
11	Total amount charged (8+9+10)	Rs	0.00	Rs	0.00	Rs	144683072.73
12	Tranportation charges by rail/ship/road transport	Rs	0.00	Rs	0.00	Rs	0.00
13	Adjustment(+/-) in amount charged by railways/transpo	Rs	0.00	Rs	0.00	Rs	0.00
14	Demurrage charges if any	Rs	0.00	Rs	0.00	Rs	0.00
15	Cost of diesel in tpt Oil through mgr system,if applicable						
16	Total TPT charges (11+/-12-13+14+15)	Rs	0.00	Rs	0.00	Rs	0.00
17	Total amount charged for Oil supplied including transportation (1		0.00		0.00		144683072.73
18	Landed cost of Oil (2+17)/(1+7)	Rs	50496.14	Rs	50496.14	Rs	50496.14
19	Blending Ratio (Domestic/Imported)						
20	Weighted average cost of Oil for preceding three months						
21	GCV of Dom. Oil of the opening Oil stock as per bill of Oil Co						
22	GCV of Dom. Oil supplied as per bill of Oil Co.						
23	GCV of Imp. Oil of the opening stock as per bill Oil Co.						
24	GCV of Imp. Oil supplied as per bill Oil Co.						
25	Weighted average GCV of Oil as Billed						
26	GCV of Dom. Oil of the opening stock as received at Station		9760		9840		9790
27	GCV of Domestic Oil supplied as received at Station						
28	GCV of Imp. Oil of opening stock as received at Station						
29	GCV of Imp. Oil supplied as received at the station						
30	Weighted average GCV of Oil as Received		9760		9840		9790
	Quantity of Oil Consumed for ST-I	KL	649.00	KL	399.50	KL	497.50
	Quantity of Oil Consumed for ST-III	KL	118.00	KL	10.00	KL	134.50
	Value of Oil Consumed	Rs	38730541.00	Rs	20678170.20	Rs	31913561.82
	Closing Stock of Oil	KL	6741.34	KL	7508.34	KL	7917.84
	Value of Closing Stock	Rs	340411561.70	Rs	379142102.70	Rs	399820272.90
	Details of information to be submitted in respect of Fuel for Consumption of energy charges						
	Station:- FSTPS						
	Month :-	Dec-21	HFO	Nov-21	HFO	Oct-21	HFO
Sl	Particulars	Unit	Stage -I	Unit	Stage -I	Unit	Stage -I
1	Landed Cost of Oil at Sl No 18	Rs/KL	50496.14	Rs/KL	50496.14	Rs/KL	50496.14
2	Usage Quantity for the month	KL	649.00	KL	399.50	KL	497.50
3	Weighted average rate	Rs/KL	50496.14	Rs/KL	50496.14	Rs/KL	50496.14
4	Weighted average GCV of Oil	kcal/Litr	9760	kcal/Litr	9840	kcal/Litr	9790
Sl	Particulars	Unit	Stage -II	Unit	Stage -II	Unit	Stage -II
1	Landed Cost of Oil at Sl No 20	Rs/KL	50496.14	Rs/KL	50496.14	Rs/KL	50496.14
2	Usage Quantity for the month	KL	118.00	KL	10.00	KL	134.50
3	Weighted average rate	Rs/KL	50496.14	Rs/KL	50496.14	Rs/KL	50496.14
4	Weighted average GCV of Oil	kcal/Litr	9760	kcal/Litr	9840	kcal/Litr	9790

SUNIL KUMAR AGRAWAL

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SANJAY SINHA
GM (O&M) / NTPC Ltd., Dadri

Form 15: Stage I & II

Name of the Generating Station : Farakka Super Thermal Power Station

Form 15: Stage I & II			Oct-22					Nov-22					Dec-22				
S. No	PARTICULARS	Unit	Domestic			Biomass	Imported	Domestic			Biomass	Imported	Domestic			Biomass	Imported
			MGR	Rail	NTPC Mines			MGR	Rail	NTPC Mines			MGR	Rail	NTPC Mines		
A)	**OPENING QUANTITY**																
1	Opening Quantity of Coal/Lignite	(MT)	200170		6220	0	130153	275657		18378	0	46718	426922		13133	0	15180
2	Value of Stock		940528720		22592188	0	2470826442	1293050196		66558290	0	888390830	1994465052		47492776	0	287475047
I)	**QUANTITY**																
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	101870	425898	63323		8125	96177	461760	78427		16040	69969	383449	15491		14772
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MT)												-3692			
5	Coal supplied Iy Coal/Lignite(3+4) Company (3+4)	(MT)	101870	425898	63323	0	8125	96177	461760	78427		16040	69969	379758	15491		14772
6	Normative Transit & Handling Losses (For coal/Lignite Iased Projects)	(MT)	204	3407	507	0	16	192	3694	627		32	140	3068	124		30
7	Net coal / Lignite Supplied (5-6) 4)	(MT)	101667	422491	62816	0	8109	95984	458066	77800		16008	69829	376690	15367		14743
C)	**PRICE**																
8	Amount charged By the Coal /Lignite Company	(Rs.)	2152323709		159225377		146435424	2265944869		197206130		275959503	1764590990		38953344		240222805
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)															
10	Handling, Sampling and such other similar charges		42388383		5085821	0	0	41623368		5850836			45905798		1568406		
11	Total amount Charged(8+9+10)	(Rs.)	**2194712092**		**164311198**	**0**	**146435424**	**2307568237**		**203056966**	**0**	**275959503**	**1810496787**		**40521750**	**0**	**240222805**
D)	**TRANSPORATION**																
12	Transportation charges by rail/ship/road transport	(Rs.)	**242806579**		**63121970**	**0**	**11932953**	**257266170**		**78178741**	**0**	**23556612**	**269161905**		**15442336**	**0.00**	**21694970**
	By Rail		242806579		63121970		11932953	257266170		78178741		23556612	269161905		15442336		21694970
	By Road																
	By Ship																
	……																
13	Adjustment (+/-) in amount charged made by	(Rs.)															
	Railways/Transport Company																
14	Demurrage Charges, if any	(Rs.)															
15	Cost of diesel in transporting coal through MGR system, if applicalle	(Rs.)	19619554		0			18279190					8536716				
16	Total Transportation Charges(12+13+14+15)	(Rs.)	**262426133**		**63121970**	**0**	**11932953**	**275545359**		**78178741**	**0**	**23556612**	**277698621**		**15442336**	**0**	**21694970**
17	Total amount Charged for coal/lignite supplied including Transportation(11+16)	(Rs.)	**2457138225**		**227433168**	**0**	**158368377**	**2583113596**		**281235707**	**0**	**299516115**	**2088195408**		**55964086**	**0**	**261917775**
E)	**TOTAL COST**																
18	Landed cost of coal/ Lignite(2+17)/(1+7)	Rs./MT	4690.79		3621.68	0.00	19016.04	4671.72		3616.17	0.00	18938.12	4674.22		3629.97	0.00	18360.61
19	Blending Ratio (Domestic/Imported)		0.76		0.09	0.00	0.15	0.76		0.16	0.00	0.09	0.91		0.03	0.00	0.06
20	Weighted average cost of coal/ Lignite (Including Biomass)	Rs./MT	6818.55					5779.11					5473.92				
20(a)	Weighted average cost of coal/ Lignite (Excluding Biomass)	Rs./MT	6818.55					5779.11					5473.92				
F)	**QUALITY**																
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	5805		4750	-		5829		4750	-		5695		4750	-	
22	GCV of Domestic Coal supplied as per Bill of Coal Company	(kCal/Kg)	5838		4750	-		5838		4750	-		5838		4750	-	
23	GCV of Imported Coal of the opening stock as per Bill Coal Company	(kCal/Kg)														4938	
24	GCV of Imported Coal supplied as per Bill Coal Company	(kCal/Kg)														4968	
25	Weighted average GCV of coal/ Lignite as billed(Including Biomass)	(kCal/Kg)	5734					5710					5709				
25 a	Weighted average GCV of coal/ Lignite as billed(Excluding Biomass)	(kCal/Kg)	5734					5710					5709				
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3717		3627	-		3715		3870	-		4063		3668	-	
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	3715		3894	-		4238		3626	-		4257		3605	-	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)					4958					4959					4938
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)					4976					4872					4968
30	Weighted average GCV of coal/ Lignite as Received(Including Biomass)	(kCal/Kg)	3913					4079					4169				
30 a	Weighted average GCV of coal/ Lignite as Received(Excluding Biomass)	(kCal/Kg)	3913					4079					4169				

MANAGER (FIN)
NTPC UFCG-FUEL

Sanjay Sinha

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SUNIL KUMAR AGRAWAL

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	DETAILS /INFORMATION TO BE SUBMITTED i.r.o FUEL									
	FOR COMPUTATION OF ENERGY CHARGES (In case of Oil)									
		FORM-15			**FORM-15**			**FORM-15**		
	NAME OF THE POWER STATION :- FSTPS		**Dec-22**			**Nov-22**			**Oct-22**	
	MONTH :-	**Dec-22**	**HFO**	**LDO**	**Nov-22**	**HFO**	**LDO**	**Oct-22**	**HFO**	**LDO**
			Col 1	**Col 2**		**Col 1**	**Col 2**		**Col 1**	**Col 2**
Sl	**Particulars**	**Unit**	**Total**	**Total**	**Unit**	**Total**	**Total**	**Unit**	**Total**	**Total**
1	Opening Stock of Oil	KL	7501	97	KL	7929	97	KL	8731	97
2	Value of Opening Stock	Rs	436462793	5716011	Rs	461365943	5716011	Rs	508030257	5716011
3	Quantity of Oil supplied made by Oil Company	KL			KL			KL		
4	Adjustment (+/-) in quantity supplied made Oil Company	KL	0.00	0.00	KL	0.00	0.00	KL	0.00	0.00
5	Oil supplied by Oil Company (3+4)	KL	0.00	0.00	KL	0.00	0.00	KL	0.00	0.00
6	Normative transit & handling losses	KL	0.00	0.00	KL	0.00	0.00	KL	0.00	0.00
7	Net Oil supplied (5-6)	KL	0.00	0.00	KL	0.00	0.00	KL	0.00	0.00
8	Amount charged by the Oil Company	Rs	0.00	0.00	Rs	0.00	0.00	Rs	0.00	0.00
9	Adjustment (+/-) in amount Charged by Oil Company	Rs	0.00	0.00	Rs	0.00	0.00	Rs	0.00	0.00
10	Handling, Sampling and such other similar charges									
11	Total amount charged (8+9+10)	Rs	0.00	0.00	Rs	0.00	0.00	Rs	0.00	0.00
12	Tranportation charges by rail/ship/road transport	Rs	0.00	0.00	Rs	0.00	0.00	Rs	0.00	0.00
13	Adjustment(+/-) in amount charged by railways/transport Co	Rs	0.00	0.00	Rs	0.00	0.00	Rs	0.00	0.00
14	Demurrage charges if any	Rs	0.00	0.00	Rs	0.00	0.00	Rs	0.00	0.00
15	Cost of diesel in tpt Oil through mgr system,if applicable									
16	Total TPT charges (11+/-12-13+14+15)	Rs	0.00	0.00	Rs	0.00	0.00	Rs	0.00	0.00
17	Total amount charged for Oil supplied including transportation (11+16)		0.00	0.00		0.00	0.00		0.00	0.00
18	Landed cost of Oil (2+17)/(1+7)	Rs	58184.93	58964.42	Rs	58184.93	58964.42	Rs	58184.93	58964.42
19	Blending Ratio (Domestic/Imported)									
20	Weighted average cost of Oil for preceding three months									
21	GCV of Dom. Oil of the opening Oil stock as per bill of Oil Co									
22	GCV of Dom. Oil supplied as per bill of Oil Co.									
23	GCV of Imp. Oil of the opening stock as per bill Oil Co.									
24	GCV of Imp. Oil supplied as per bill Oil Co.									
25	Weighted average GCV of Oil as Billed									
26	GCV of Dom. Oil of the opening stock as received at Station		9890	9610		9850	9610		9840	9610
27	GCV of Domestic Oil supplied as received at Station									
28	GCV of Imp. Oil of opening stock as received at Station									
29	GCV of Imp. Oil supplied as received at the station									
30	Weighted average GCV of Oil as Received		9890			9850			9840	
	Details of information to be submitted in respect of Fuel for Consumption of energy charges									
	Station:- FSTPS									
	Month :-	**Dec-22**	**HFO**	**LDO**	**Nov-22**	**HFO**	**LDO**	**Oct-22**	**HFO**	**LDO**
Sl	**Particulars**	**Unit**	**Stage -I&II**	**Stage -I&II**	**Unit**	**Stage -I&II**	**Stage -I&II**	**Unit**	**Stage -I&II**	**Stage -I&II**
1	Landed Cost of Oil at Sl No 18	Rs/KL	58184.93	58964.42	Rs/KL	58184.93	58964.42	Rs/KL	58184.93	58964.42
2	Usage Quantity for the month	KL	1159.50	0.00	KL	428.00	0.00	KL	681.00	0.00
3	Weighted average rate	Rs/KL	**58184.93**		Rs/KL	**58184.93**		Rs/KL	**58184.93**	
4	Weighted average GCV of Oil	kcal/Litr	9890		kcal/Litr	9850		kcal/Litr	9840	9610
Sl	**Particulars**	**Unit**	**Stage -III**	**Stage -III**	**Unit**	**Stage -III**	**Stage -III**	**Unit**	**Stage -III**	**Stage -III**
1	Landed Cost of Oil at Sl No 20	Rs/KL	58184.93	58964.42	Rs/KL	58184.93	58964.42	Rs/KL	58184.93	58964.42
2	Usage Quantity for the month	KL	162.00	0.00	KL	0.00	0.00	KL	121.00	0.00
3	Weighted average rate	Rs/KL	**58184.93**		Rs/KL	**58184.93**		Rs/KL	**58184.93**	
4	Weighted average GCV of Oil	kcal/Litr	9890		kcal/Litr	9850		kcal/Litr	9840	

MANAGER (FIN)
NTPC UFCG-FUEL

Sanjay Sinha

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