

PETITION FOR DETERMINATION OF TARIFF FOR

Unchahar Stage-IV

(From 01.04.2024 to 31.03.2029)



BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION NEW DELHI

PETITION NO	P	ΕT	TI.	TI	0	N	Ν	0	٠						
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IN THE MATTER OF

: Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 and Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for approval of tariff of Feroze Gandhi Unchahar Thermal Power Station Stage IV (FGUTPS-IV) (500 MW) for the period from 01.04.2024 to 31.03.2029.

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Summary of Issues:

Tariff determination petition (2024-29) of FGUTPS-IV (500 MW)

(In compliance with CERC notice dated 07.06.2024)

The major highlights of the tariff determination petition of Feroze Gandhi Unchahar Thermal Power Station Stage-IV (500 MW) (hereinafter referred to as FGUTPS-IV) for tariff period 2024-29 are as follows:-

The present petition is being filed under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 and Chapter-3, Regulation-9(2) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for determination of Tariff of FGUTPS-IV(500 MW) for the period from 01.04.2019 to 31.03.2024.

FGUTPS-IV is located in the State of Uttar Pradesh (UP) and comprises of ONE unit of 500 MW . The COD of station is 30.09.2017. The power generated from FGUTPS-IV is being supplied to various discoms as per MoP allocation and respective PPAs including Uttar Pradesh Power Corp. Ltd. (UPPCL), Rajasthan Urja Vika Nigam Limited (RUVNL), Haryana Power Purchase Centre (HPPC), Power Development Department (J&K), Electricity Department (Chandigarh) and Uttarakhand Power Corporation Ltd. (UPCL).

The tariff for FGUTPS-IV for the period from 01.04.2019 to 31.3.2024 was determined by the Hon'ble Commission vide order dated 15.04.2022 in Petition No. 3/GT/2021(further revised on 29.03.2023). The capital cost allowed for tariff determination included the projected additional capital expenditure admitted by the Hon'ble Commission after prudence check. The petitioner had filed a separate true up petition for the period 01.04.2019 to 31.03.2024 for revision of tariff in line with the applicable provisions of Tariff Regulations 2019.

The Petitioner in the instant petition has considered the opening capital cost as of 01.04.2024 by adjusting the admitted capital cost as on 31.03.2024, accounting for the difference between the admitted expenditure for the period 2019-24 and the actual expenditure as per true-up petition.

The projected additional Capital Expenditure for the FY 2024-25, 2025-26, 2026-27, 2027-28 and 2028-29 are Rs 5.93 Cr, Rs 27.27 Cr, Rs 72.46 Cr, Rs. 92.04 Cr and 123.03 Cr respectively amounting to total of Rs 320.74 Crores during the 2024-29 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 projected Additional Capital expenditure during the period of 2024-29.

The Hon'ble Commission is requested to allow the claims for water charges, security expenses, and ash transportation expenses for the instant station as estimated by the Petitioner in Form 3A of Appendix-I. These claims shall be subject to retrospective adjustment based on actual expenditures during the truing-up process.

Furthermore, the consumption of capital spares shall be claimed at the time of truing up based on the actual consumption of spares during the period 2024–29.

It is prayed that the Gross Station Heat Rate be allowed based on the guaranteed turbine cycle heat rate of 1932 kcal/kWh and the actual boiler efficiency of 85.1%, instead of the stipulated 86%, with a 4.5% operating margin from the guaranteed design value as the station envisioned in 2009-14 tariff period was based on the boiler efficiency and turbine heat rate as per the Tariff Regulations at that time and as equipments ordered through competitive bidding accordingly resulting in lower capital costs that have already benefited the beneficiaries and as the more stringent efficiency parameters in the 2024-29 Tariff Regulations could not be specified at that time.

Further, in order to avoid interest liabilities for beneficiaries until the 2024-29 tariff order is finalized ,The petitioner requests permission to recover ash utilisation charges monthly subject to true-up at the end of the 2024-29 period.

The petitioner seeks permission to approach the Commission to recover the impact of wage revisions effective from 1.1.2027, as allowed under Tariff Regulations 2024, during the tariff true-up based on actual payments made.

Supplementary Tariff

It is further submitted that Petition No. 388/GT/2023 has been filed for determination of the supplementary tariff for the Emission Control System in the instant station, with amendments made on 03.09.2024 to reflect actual capitalization as of 31.03.2024 as per direction of Hon'ble commission. It is submitted that petitioner has considered opening capital cost for supplementary tariff calculation as per closing capital cost of Rs 344.92 Cr as of 31.03.2024 in the petition no 388/GT/2023.

The projected additional Capital Expenditure for supplementary tariff for the FY 2024-25, 2025-26, 2026-27, 2027-28 and 2028-29 are Rs 14.61 Cr, Rs 6.13 Cr, Nil,Nil,Nil respectively amounting to total of Rs 20.74 Crores during the 2024-29 period. The same has been depicted year wise in Form 9A of the Appendix-la along with applicable regulations and justification for the claims. It is humbly requested to approve the projected Additional Capital expenditure for supplementary tariff during the period of 2024-29.

The petitioner requests the Commission's approval to recover the filing and publication fees directly from the beneficiaries, as permitted under Regulation 94(1) of the Tariff Regulations 2024.

In the light of above submission and as per the Petition being filed by the Petitioner for determination of tariff of Feroze Gandhi Unchahar Thermal Power Station Stage-IV (FGUTPS-IV)(500 MW), the Hon'ble Commission may please approve tariff for the tariff period 2024-29 as per provision of Regulation 9(2) of Tariff Regulations 2024.

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-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 and Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for approval of tariff of Feroze Gandhi Unchahar Thermal Power Station Stage IV (FGUTPS-IV) (500 MW) for the period from 01.04.2024 to 31.03.2029.

AND IN THE MATTER OF

Petitioner: : NTPC Ltd.

NTPC Bhawan

Core-7, Scope Complex

7, Institutional Area, Lodhi Road

New Delhi-110 003.

Respondents

- Uttar Pradesh Power Corp. Ltd. (UPPCL) Shakti Bhawan
 Ashok Marg, Lucknow – 226 001.
- Rajasthan Urja Vika Nigam Limited (RUVNL) (on behalf of DISCOMs of Rajasthan), Vidyut Bhawan, Janpath, Jaipur 302 005
- Haryana Power Purchase Centre (HPPC) Shakti Bhawan, Sector – VI, Panchkula, Haryana – 134 109
- **4.** Power Development Department (J&K) Govt. of J&K, Secretariat Srinagar
- Electricity Department (Chandigarh)
 Union Territory of Chandigarh
 Addl. Office Building

Sector-9 D, Chandigarh

Uttarakhand Power Corporation Ltd. (UPCL)
 Urja Bhawan, Kanwali Road
 Dehradun – 248 001
 Uttarakhand.

The Petitioner humbly states that:

- The Petitioner herein NTPC Ltd. (hereinafter referred to as 'Petitioner' or 'NTPC'), is a company incorporated under provisions of the Company Act, 1956 and a Government Company as defined under Section 2(45) of the Companies Act, 2013. Further, NTPC is a 'Generating Company' as defined under Section 2(28) of the Electricity Act, 2003.
- In terms of Section 79(1)(a) of Electricity Act, 2003, the Hon'ble Commission has been vested with the functions to regulate the tariff of NTPC, being a Generating Company owned and controlled by the Central Government. The regulation of the tariff of NTPC is as provided under Section 79(1)(a) read with Section 61, 62 and 64 of the Electricity Act, 2003 and the Regulations notified by the Hon'ble Commission in exercise of powers under Section 178 read with Section 61 of the Electricity Act, 2003.
- The Petitioner is having power stations/ projects at different regions and places in the country Feroze Gandhi Unchahar Thermal Power Station, Stage-IV (500 MW) (hereinafter referred to as FGUTPS-IV) is one such station located in the State of Uttar Pradesh (UP). The power generated from FGUTPS-IV is being supplied to the respondents herein mentioned above.
- The Hon'ble Commission has notified the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2024 (hereinafter 'Tariff Regulations 2024') which came into force from 01.04.2024, specifying the terms & conditions and methodology of tariff determination for the period 01.04.2024 to 31.03.2029.

"(2) In case of an existing generating station or unit thereof, or transmission system or element thereof, the application shall be made by the generating

Regulation 9(2) of Tariff Regulations 2024 provides as follows:

5)

system or element thereof, the application shall be made by the generating company or the transmission licensee, as the case may be, by 30.11.2024, based on admitted capital cost including additional capital expenditure already admitted and incurred up to 31.3.2024 (either based on actual or projected additional capital expenditure) and estimated additional capital expenditure for the respective years of the tariff period 2024-29 along with the true up petition for the period 2019-24 in accordance with the CERC (Terms and Conditions of Tariff) Regulations, 2019."

In terms of above, the Petitioner is filing the present petition for determination of tariff for FGUTPS-IV for the period from 01.04.2024 to 31.03.2029 as per the Tariff Regulations 2024.

- The tariff of the FGUTPS-IV for the tariff period 1.4.2019 to 31.3.2024 was determined by the Hon'ble Commission vide order dated 15.04.2022 in Petition No. 3/GT/2021(further revised on 29.03.2023) in accordance with the CERC (Terms & Conditions of Tariff) Regulations 2019. The petitioner vide affidavit dated 16.11.2024 had filed a separate true up petition for the period 01.04.2019 to 31.03.2024 for revision of tariff in line with the applicable provisions of Tariff Regulations 2019.
- No. 3/GT/2021(further revised on 29.03.2023) has allowed a capital cost of Rs 2901.42 Cr. as on 31.03.2024 based on the admitted projected capital expenditure for the 2019-24 period. However, the actual closing capital cost as on 31.03.2024 has been worked out in the foresaid true-up petition as Rs. 3105.09 Cr based on the actual expenditure after truing up exercise for the period 2019-24. Accordingly, the Petitioner has adjusted an amount of Rs. 203.66 Cr from the admitted capital cost as on 31.03.2024 and accordingly the opening capital cost as on 01.04.2024 has been considered as Rs 3105.09 Cr. in the instant petition. The Hon'ble Commission may be pleased to accordingly

- adopt this adjustment in the admitted capital cost as on 31.3.2024 and determine the tariff in the present petition for the period 2024-29.
- The capital cost claimed in the instant petition is based on the opening capital cost as on 01.04.2024 considered as above and projected estimated capital expenditures claimed for the period 2024-29 under Regulation 19 and Regulation 24, 25 and 26 of the Tariff Regulations, 2024.
- The Petitioner further respectfully submits that as per Regulation 36(1)(6) of the Tariff Regulations 2024, the water charges, security expenses, ash transportation expenses and capital spares consumed for thermal generating stations are to be allowed separately. The details in respect of water charges such as type of cooling water system, rate of water charges as applicable for 2023-24 have been furnished below for reference. Water charges for the period 2024 29 is claimed based on the estimated expenses and same may be allowed in tariff based on the same. In accordance with provision of the Regulations, the petitioner shall be furnishing the details of actual for the relevant year at the time of truing up and the same shall be subject to retrospective adjustment.

Description	Remarks
Type of Plant	Coal based station
Type of cooling water system	Closed Cycle
Rate of Water Charges	Rs 12.48 per 1000 cubic feet
Rate of Royalty	Rs 6 Lakh per cusec per year
Total Water Charges(2023-24)	241.05 lacs

10) Similarly, the Petitioner is claiming the security & ash transportation expenses based on the estimated expenses for the period 2024-29, the same shall be subject to retrospective adjustment based on actuals at the time of truing up. In respect of capital spares consumption, it is submitted that the same shall be claimed at the time of true-up in terms of the proviso to the Regulation 36(1)(6) based on actual consumption of spares during the period 2024-29.

- 11) However, it is submitted that the expenditure towards the ash transportation charges is recurring in nature and the Petitioner has been incurring ash transportation expenditure in its stations in the current tariff period also. In case the same is permitted to be recovered after the issuance of the tariff order for the period 2024-29, there will be additional liability on the beneficiary on account of the interest payment for the period till the time the tariff petitions for the period 2024-29 is decided. To avoid the interest payment liability of the beneficiaries, it is prayed that the petitioner may be allowed to recover/ pass on the ash transportation charges on a monthly basis subject to true-up at the end of the 2024-29 period.
- 12) The petitioner humbly submits that petition no. 227/MP/2024 has been filed by the petitioner concerning Ash Utilization Expenditure for its stations which is under active consideration of this Hon'ble Commission and the outcome of the said petition will be applicable to the instant petition also.
- 13) It is submitted that in terms of Regulation 60 (5) of the Tariff Regulations 2024, the Petitioner is required to furnish details qua providing the details of Landed Price & Gross Calorific Value ("GCV") of fuel in Form 15. It is further submitted that the Petitioner in terms of Regulation 40 of the Tariff Regulations 2019 was required to furnish the details for Landed Price & GCV of fuel also as per Form 15 of the Tariff Regulations, 2019.
- 14) However, in so far as the present Petition is concerned, the Petitioner has prepared & submitted the data of fuel as per Form 15 of the Tariff Regulations, 2019. The same is because of the following reasons:-
 - (a) This Hon'ble Commission had notified the Tariff Regulations, 2019 on 07.03.2019 and the same was in effect till 31.03.2024.
 - (b) The Petitioner being a diligent utility has been seamlessly providing the said data of fuel in terms of the prescribed format (i.e. Form 15 of Annexure-I (Part I)) of the Tariff Regulations, 2019 to this Hon'ble Commission for computation of Interest on Working Capital.
 - (c) Thereafter, this Hon'ble Commission on 15.03.2024 notified the Tariff Regulations, 2024, wherein the format of Form 15 was changed/

- amended by this Hon'ble Commission and a new format was placed in the Tariff Regulations 2024 in the month of June'2024.
- (d) By virtue of the said change, the Petitioner has been obligated to furnish the data of fuel for its existing plants month wise for the preceding 12 months i.e. for FY 2023-24 for computation of Interest on Working Capital.
- 15) It is humbly submitted that by virtue of the Tariff Regulations, 2024, this Hon'ble Commission has added a new format/ revised the format of Form-15 which has not prescribed in the past Tariff Regulations i.e. of 2019. Hence, it is only now (in the Tariff Regulations 2024) that the Petitioner has been obligated to furnish the data of fuel as per the new format of Form-15.
- It is respectfully submitted that since the format for Form 15 has been changed in Tariff Regulations, 2024 and was notified in the month of June'2024, the Petitioner could not have been aware about the said changes earlier, hence the Petitioner did not maintain the data required in new format of Form 15 of Tariff Regulations, 2024.
- Therefore, this Hon'ble Commission may kindly exempt the Petitioner from furnishing the data of fuel in terms of new format of Form 15 of the Tariff Regulations, 2024 & may be allowed to furnish the details of fuel for FY 2023-24 in terms of the prescribed format of Form-15 of the Tariff Regulations, 2019.
- The Petitioner further respectfully submits that the wage/ salary revision of the employees of the Petitioner will be due with effect from 1.1.2027. As per Regulation 36(1)(8) of the Tariff Regulations 2024, the impact on account of implementation of wage/ pay revision shall be allowed at the time of truing up of tariff. The Petitioner therefore craves liberty to approach the Hon'ble Commission for allowing the impact on account of implementation of wage/ pay revision of the employees of the Petitioner with effect from 1.1.2027, based on the actual payments whenever paid by it.

- 19) The petitioner has accordingly calculated the tariff for 2024-29 period based on the above and the same is enclosed as **Appendix-I** to this petition.
- 20) It is further submitted that petitioner has already filed Petition No 388/GT/2023 for determination of supplementary tariff on ODe of Emission Control System implemented in the instant station. It is further submitted that petitioner vide affidavit dated 03.09.2024 has amended the petition to reflect the actual capitalization upto 31.03.2024. The order has been reserved vide ROP dated 30.09.2024. The closing capital cost as on 31.03.2024 for supplementary tariff as per above petition is 344.92 Cr. Accordingly Petitioner has considered the opening capital cost for supplementary tariff determination as Rs 344.92 Cr in the instant petition.
- 21) The capital cost claimed for supplementary tariff in the instant petition is based on the opening capital cost as on 01.04.2024 considered as above and projected estimated capital expenditures claimed for the period 2024-29 under Regulation 19 and Regulation 24, 25 and 26 of the Tariff Regulations, 2024.
- 22) The petitioner has accordingly calculated the supplementary tariff for 2024-29 period based on the above and the same is enclosed as **Appendix-la** to this petition.
- It is submitted that Hon'ble Commission has prescribed boiler efficiency and turbine heat rate separately for deriving the unit heat rate where the Unit Heat Rate is not guaranteed by the suppliers. It is submitted that the instant station was envisaged during the period 2009-14 and equipments including SG and TG specifications for tendering / award was stipulated considering the boiler efficiency and the turbine heat rate prescribed by the Hon'ble Commission in the Tariff Regulations at that time. Based on the same the equipments were ordered through competitive bidding. It was not possible for the petitioner to specify the efficiency parameters at the time of finalizing the contracts on the instant station as per the efficiency parameters specified in Tariff Regulations 2024-29 which are more stringent.

In a similar case, Hon'ble Commission in its order dated 20.02.2014 in Petition No. 160/GT/2012 has considered the design parameters for computing Gross

Heat Rate of the station with appropriate operating margin and has stated as under:

Quote

"161. As per the guaranteed turbine cycle heat rate of 1945 kCal/kWh and boiler efficiency of 88.5% along with the deviation of 6.5% as per the 2009 Tariff Regulations, the Gross Heat Rate works out to 2340.59 kcal/kWh. Without the margin of Auxiliary consumption of 6.5%, the Gross Heat Rate works out as 2197.74 kcal/kWh. In light of this, achieving a GSHR of 2220 kcal/kWh as per submission of the respondents 1 to 6 is not possible. Also, the EPC contract was finalized in 2006 and there was no possibility for the petitioner to specify the Station Heat Rate as per the 2009 Tariff Regulations. In view of above, we consider a GSHR of 2340.59 kCal/kWh based on guaranteed turbine cycle heat rate 1945 kCal/kWh and boiler efficiency of 88.5% with a deviation of 6.5% from the guaranteed design value."

UNQUOTE

Further, Hon'ble Commission vide its order dated 21.04.2022 in petition no 362/GT/2020 while determining tariff of Kahalgaon STPS-II of NTPC Limited has relaxed the boiler efficiency for computing Gross Heat Rate of the station with appropriate operating margin. The same is quoted below:

Quote

"157. Accordingly, the Commission considered the SHR of 2425 kCal /kWh as approved for 2009-14 tariff period and in exercise of Power to Relax under Regulation 54 and Power to Remove Difficulty under Regulations 55 of Tariff Regulations, 2014 allowed boiler efficiency of the units of the generating station below 0.85 for the period 2014–19"

UNQUOTE

Further, if the Petitioner had stipulated more stringent unit heat rate this would have increased the capital cost commensurate to the efficiency parameters sought. The benefit of the lower capital cost due to lower efficiency parameters has already been passed onto the beneficiaries in terms of lower capital cost. If now the boiler efficiency for working out the normative heat rate is considered as 86% instead of the actual design efficiency of 85.1%, the unit heat rate would be worked out to be 2347.60 kcal/kWh and the operating margin available over

the design heat rate would be 3.41 % only which is much less than the operating margin of 4.5% allowed in the Tariff Regulations 2024. Moreover, it is submitted that boiler efficiency is largely a function of coal quality. In view of above submission, it is prayed that Gross Station Heat rate may be allowed based on guaranteed turbine cycle heat rate of 1932 and actual boiler efficiency of 85.1% with an operating margin of 4.5 % from the guaranteed design value. The tariff computation attached at Appendix-I is based on considering Station Heat Rate as per design heat rate with applicable operating margin of 4.5%.

- 24) It is submitted the Petitioner has served the copy of the Petition on to the Respondents mentioned herein above and has posted the Petition on the company website i.e. www.ntpc.co.in/notices.
- In accordance with the 'Conduct of Business Regulations 2023' of the Hon'ble Commission, the Petitioner shall publish a notice about such filing in at least two daily leading digital newspapers one in English language and another in any of the Indian languages, having wide circulation in each of the States and Union Territories where the beneficiaries are situated, as per Form 14 appended to these regulations. Subsequently, the Petitioner shall submit the proof of publications as soft copies of the publications under an affidavit through the e-filing portal of the Hon'ble Commission within one week from the date of publication. Further, the Petitioner shall also submit the detail of expenses incurred for publication of the notice along with the prayer for recovery of Publication Expenses as per Regulation-94 of CERC Tariff Regulations 2024.
- It is submitted that the Petitioner has already paid the requisite filing fee vide transaction id 37c568eba62158b7b321 on 24.04.2024 for the year 2024-25 and the details of the same have been duly furnished to the Hon'ble Commission. For the subsequent years, it shall be paid as per the provisions of the CERC (Payment of Fees) Regulations, 2012 as amended. Further Regulation 94 (1) of Tariff Regulations 2024 provides that the application fee and publication expenses may be allowed to be recovered directly from the

beneficiaries at the discretion of the Hon'ble Commission. Accordingly, it is prayed that Hon'ble Commission may be pleased to allow recover filing fee and publication fee directly from the beneficiaries.

27) It is submitted that the petitioner is filing this tariff petition subject to the outcome of its various appeals/ petitions pending before different courts. Besides, the petitions filed by NTPC for determination of capital base as on 31.3.2019 through true-up exercise are pending before the Hon'ble Commission and would take some time. The Petitioner, therefore, reserves its right to amend the tariff petition as per the outcome in such appeals/ petitions, if required.

Prayers

In the light of the above submissions, the Petitioner, therefore, prays that the Hon'ble Commission may be pleased to:

- i) Approve tariff of FGUTPS-IV for the tariff period 01.04.2024 to 31.03.2029.
- ii) Approve supplementary tariff of FGUTPS-IV for the tariff period 01.04.2024 to 31.03.2029.
- iii) Allow the recovery of filing fees as & when paid to the Hon'ble Commission and publication expenses from the beneficiaries.
- iv) Allow reimbursement of Ash Utilization Charges directly from the beneficiaries on monthly basis, subject to true up.
- v) Allow the recovery of pay/wage revision as additional O&M over and above the normative O&M.
- vi) Consider station heat rate based on design heat rate with applicable operating margin.
- vii) Pass any other order as it may deem fit in the circumstances mentioned above.

Petitioner

Noida 21-11-2024

BEFORE THE 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-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 and Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for approval of tariff of Feroze Gandhi Unchahar Thermal Power Station Stage-IV (500 MW) for the period from 01.04.2024 to 31.03.2029.

Petitioner:

NTPC Ltd. NTPC Bhawan

Core-7, Scope Complex

7, Institutional Area, Lodhi Road

New Delhi-110 003

Respondents:

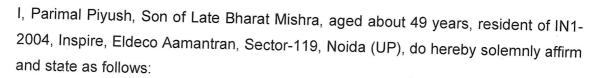
Uttar Pradesh Power Corp. Ltd. (UPPCL)

Shakti Bhawan 14, Ashok Marg Lucknow – 226 001

And

Others

AFFIDAVIT



1. That the deponent is the Additional General Manager (Commercial) of the Petitioner NTPC Ltd., and is well conversant with the facts and the circumstances of the case and therefore competent to swear this affidavit.

that the accompanying Petition under Section 62 and 79 (1) (a) of the Electricity Act, 2003, has been filed by my authorized representative under my

परिमल पीयूष/PARIMAL PIYUSH अपर महाप्रबन्धक (वाणिज्यिक) Addl. General Manager (Commercial) एन टी प्री सी लिमिटेड/NTPC LIMITED EOC, A-8A, Sector-24, Noida-201301 (U.P.)

<u>14</u>

OGENDRA SINGA AREANOICA

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instruction and the contents of the same are true and correct to the best of my knowledge and belief.

- 3. That the contents of Para No.......................... to .2.7.... as mentioned in the Petition are true and correct based on my personal knowledge, belief and records maintained in the office.
- 4. That the annexures annexed to the Petition are correct and true copies of the respective originals.
- 5. That the Deponent has not filed any other Petition or Appeal before any other forum or court of law with respect to the subject matter of the dispute.

परिमल पीयूष/PARIMAL PIYUSH अपर महाप्रबन्धक (वाणिज्यिक) Addl. General Manager (Commercial) एन टी पी सी लिमिटेड/NTPC LIMITED EOC, A-8A, Sector-24, Noida-201301 (U.P.)

(Deponent)

Verification:

Verified at Noida on this 21ST day of November 2024, that the contents of my above noted affidavit are true and correct to my knowledge and no part of it is false and nothing material has been concealed therefrom.

(Deponent)

परिमल पीयूष/PARIMAL PIYUSH अपर महाप्रबन्धक (वाणिज्यिक) Addl. General Manager (Commercial) एन टी पी सी लिमिटेड/NTPC LIMITED EOC, A-8A, Sector-24, Noida-201301 (U.P.)

YOGENDRA SINGH
AREANOIDA
G.B.MAGAR
REGN. NO. 587708

MINDRA SINGH ARY NOIDA AGAR (U.P.) INDIA

2 11. NOV 2024

TARIFF FILING FORMS (THERMAL)

FOR DETERMINATION OF TARIFF FOR

Unchahar Stage-IV

(From 01.04.2024 to 31.03.2029)

PART-I

APPENDIX-I

<u>Checklist of Main Tariff Forms and other information for tariff filing for Thermal Stations</u>

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- 4	Details of Foreign loans	✓
FORM- 4A	Details of Foreign Equity	NA
FORM-5	Abstract of Admitted Capital Cost for the existing Projects	✓
FORM-5A	Abstract of Claimed Capital Cost for the existing Projects	✓
FORM- 6	Financial Package upto COD	NA
FORM- 7	Details of Project Specific Loans	NA
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	NA
FORM- 15##	Details of Fuel for Computation of Energy Charges: Primary Fuel(Coal)	✓
FORM- 15A##	Details of Fuel for Computation of Energy Charges: Secondary Fuel(Oil)	✓
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	***

Provided yearwise

*** Shall be provided at the time of true up

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 provi	ided 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			
	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			
2	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			
	Detailed note giving reasons of cost and time over run, if applicable.				
	List of supporting documents to be submitted:				
7	a. Detailed Project Report				
,	b. CPM Analysis	NA			
	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			

		_						FORM- 1
			ummary of Tai	<u>iff</u>				
	Name of the Petitioner:	NTPC Limit						
	Name of the Generating Station:	Unchahar S						
	Place (Region/District/State):	Northern R	egion /Raibare	eli / Uttar Prad	lesh			
							Amount i	in Rs. Lakh
S. No.	Particulars	Unit	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8	9
1.1	Depreciation	Rs Lakh	15,941.16	16,500.33	16,587.23	16,851.24	17,288.89	17,860.53
1.2	Interest on Loan	Rs Lakh	8,092.10	7,652.98	6,762.77	6,285.19	5,885.24	5,123.85
	Return on Equity	Rs Lakh	16,855.89	17,509.64	17,585.52	17,813.29	18,185.25	18,664.42
1.4	Interest on Working Capital	Rs Lakh	6,520.31	6,089.18	6,104.94	6,139.43	6,179.53	6,225.6
1.5	O&M Expenses	Rs Lakh	16,978.63	18190.16	18731.61	19429.68	20176.45	20972.5
1.6	Special Allowance (If applicable)	Rs Lakh	NA	NA	NA	NA	NA	NA
	Total	Rs Lakh	64388.09	65942.29	65772.07	66518.83	67715.36	68846.9
	Primary Fuel							
2.1	Landed Fuel Cost (coal/gas/RLNG/ liquid) as per FSA approved by beneficiaries	Rs/Ton	4567.51	4737.91				
	(%) of Fuel Quantity	(%)	82.93%			83.35%		
2.2	Landed Fuel Cost (coal from Integrated mine) as per FSA, if any, approved by beneficiaries or as per allocation of coal quantity	Rs/Ton		-				
	(%) of Fuel Quantity	(%)				-		
2.3	Landed Fuel Cost Imported Coal as per FSA approved by beneficiaries	Rs/Ton		-				
	(%) of Fuel Quantity	(%)				-		
2.4	Landed Fuel Cost (coal/gas /RLNG/liquid) other than FSA	Rs/Ton				-		
	(%) of Fuel Quantity	(%)				-		
2.5	Landed Fuel Cost Imported Coal other than FSA.	Rs/Ton	19299.69			14224.32		
	(%) of Fuel Quantity	(%)	17.08%			16.65%		
3	Secondary Fuel	Rs./kL	78,489.16			81,596.96		
	Energy Charge Rate ex-bus (Paise/kWh) - Coal	Rs/Unit	4.61			4.10		
	Energy Charge Rate ex-bus (Paise/kWh) -Oil	Rs/Unit	0.04			0.04		
	Energy Charge Rate ex-bus (Paise/kWh) - Total	Rs/Unit	4.65			4.14		

						PART-I FORM- 1(I)
	Name of the Petitioner:	NTPC Limited				
	Name of the Generating Station:	Unchahar Stag	e-IV			
	0				Amoun	t in Rs. Lakhs
	Statement sno	wing claimed c	apitai cost – (A	<u>+B)</u>		
S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
1	Opening Capital Cost	3,10,508.88	3,11,101.88	3,13,782.38	3,21,048.13	3,30,269.63
2	Add: Addition during the year/period	593.00	2,680.50	7,265.75	9,221.50	12,313.75
3	Less: De-capitalisation during the year/period	-	-	-	-	-
4	Less: Reversal during the year / period	-	-	-	-	-
5	Add: Discharges during the year/ period	-	-	-	_	-
6	Closing Capital Cost	3,11,101.88	3,13,782.38	3,21,048.13	3,30,269.63	3,42,583.38
7	Average Capital Cost	3,10,805.38	3,12,442.13	3,17,415.26	3,25,658.88	3,36,426.51
			*		*	
	Statement showing claimed	l capital cost eli	igible for RoE a	nt normal rate (A)	
S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
1	Opening Capital Cost	310508.88	310608.88	311098.88	311941.88	312391.88
2	Add: Addition during the year / period	100.00	490.00	843.00	450.00	140.00
3	Less: De-capitalisation during the year / period					
4	Less: Reversal during the year / period					
5	Add: Discharges during the year / period					
6	Closing Capital Cost	310608.88	311098.88	311941.88	312391.88	312531.88
7	Average Capital Cost	310558.88	310853.88	311520.38	312166.88	312461.88
	atement showing claimed capital cost eligible					
S. No. 1	Particulars 2	2024-25 3	2025-26 4	2026-27 5	2027-28 6	2028-29 7
1	Opening Capital Cost	0.00	493.00	2683.50	9106.25	/ 17877.75
2	Add: Addition during the year / period	493.00	2190.50	6422.75	8771.50	12173.75
3	Less: De-capitalisation during the year / period	433.00	2100.00	0422.70	0771.00	12170.70
4	Less: Reversal during the year / period					
5	Add: Discharges during the year / period					
6	Closing Capital Cost	493.00	2683.50	9106.25	17877.75	30051.50
7	Average Capital Cost	246.50	1588.25	5894.88	13492.00	23964.63
						(Petitioner)

		PART-I				
		FORM- 1(IIA)				
Name of the Petitioner:	NTPC Limited					
Name of the Generating Station: Unchahar Stage-IV						
Statement showing Return on Equity at Normal Rate						

					Amount i	n Rs. Lakhs
S. No.	Particulars Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
	Return on Equity					
1	Gross Opening Equity (Normal)	93,152.66	93,182.66	93,329.66	93,582.56	93,717.56
2	Less: Adjustment in Opening Equity	-	-	-	-	-
3	Adjustment during the year					
4	Net Opening Equity (Normal)	93,152.66	93,182.66	93,329.66	93,582.56	93,717.56
5	Add: Increase in equity due to addition during the year / period	30.00	147.00	252.90	135.00	42.00
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)	93,182.66	93,329.66	93,582.56	93,717.56	93,759.56
11	Average Equity (Normal)	93,167.66	93,256.16	93,456.11	93,650.06	93,738.56
12	Rate of ROE (%)	18.782	18.782	18.782	18.782	18.782
13	Total ROE	17,498.75	17,515.37	17,552.93	17,589.36	17,605.98

(Petitioner)

	Name of the Petitioner:	NTPC Limite	ed			
	Name of the Generating Station:	Unchahar St				
	Statement showing Return on Equity link	ced to SBI MC	CLR+ 350 ba	sis points		
					Amount in	n Rs. Lakhs
S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
Return	on Equity linked to SBI MCLR+ 350 basis points					
1	Gross Opening Equity (Normal)	0.00	147.90	805.05	2731.88	5363.33
2	Less: Adjustment in Opening Equity	0.00	0.00	0.00	0.00	0.00
3	Adjustment during the year					
4	Net Opening Equity (Normal)	0.00	147.90	805.05	2731.88	5363.33
5	Add: Increase in equity due to addition during the year / period	147.90	657.15	1926.83	2631.45	3652.13
7	Less: Decrease due to De-capitalisation during the year / perio	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)	147.90	805.05	2731.88	5363.33	9015.45
11	Average Equity (Normal)	73.95	476.48	1768.46	4047.60	7189.39
12A	Rate of ROE- Base Rate (%)	12.150	12.150	12.150	12.150	12.150
12B	Effective Tax Rate (%)	17.472	17.472	17.472	17.472	17.472
12C	Rate of ROE – Grossed up (%)	14.722	14.722	14.722	14.722	14.722
13	Total ROE	10.89	70.15	260.36	595.90	1058.44

	PART-I FORM-2
	FORM-2
Name of the Company	NTPC
Name of the Power Station	Unchahar Stage-IV
Plant Characteristics	
Name of the Petitioner	NTPC Ltd
Name of the Generating Station	Unchahar Stage-IV
Unit(s)/Block(s)/Parameters	Unit-I
Installed Capacity (MW)	500
Schedule COD as per Investment Approval	31.12.2016
Actual COD	30.09.2017
Pit Head or Non Pit Head or Integrated Mine Name of the Boiler Manufacture	Non Pit head BHEL
Name of Turbine Generator Manufacture	BHEL
Main Steams Pressure at Turbine inlet (kg/Cm²) abs¹.	170 AT
Main Steam Temperature at Turbine inlet (°C) 1	
	537
Reheat Steam Pressure at Turbine inlet (kg/Cm ^{2) 1}	40.50 AT
Reheat Steam Temperature at Turbine inlet (°C) 1	565
Main Steam flow at Turbine inlet under MCR condition (tons /hr) ²	1457.01
Main Steam flow at Turbine inlet under VWO condition (tons /hr) ²	1544.92
Unit Gross electrical output under MCR /Rated condition (MW) ²	500
Unit Gross electrical output under VWO condition (MW) ²	525
Guaranteed Design Gross Turbine Cycle Heat Rate (kCal/kWh)3	1932
Conditions on which design turbine cycle heat rate guaranteed	
% MCR	At 100% Load under rated Steam
% Makeup Water Consumption	Conditions at Condenser Pressure of 77 mm HG (abs) with 0% Make Up
Design Capacity of Make up Water System	70 m3/Hr
Design Capacity of Inlet Cooling System	60000 m3/hr
Design Cooling Water Temperature (°C)	33
Back Pressure	
Steam flow at super heater outlet under BMCR condition (tons/hr)	1590
Steam Pressure at super heater outlet under BMCR condition) (kg/Cm2)	178.0 (g)
Steam Temperature at super heater outlet under BMCR condition (0C)	540
Steam Temperature at Reheater outlet at BMCR condition (°C)	568
Design / Guaranteed Boiler Efficiency (%)	85.10
Design Fuel with and without Blending of domestic/imported coal	Design Coal GCV: 3400 kcal/kg
Type of Cooling Tower	IDCT
Type of cooling system ⁵	Closed cycle
Type of Boiler Feed Pump ⁶	2 TDBFP, 1 MDBFP
Type of Boiler (Wall Fired/Tangential Fired)	Tangential Fired
Fuel Details ⁷	. agormar i noa
-Primary Fuel	Coal
-Secondary Fuel	LDO
-Alternate Fuels	
Special Features/Site Specific Features ⁸	
Special Technological Features ⁹	
Environmental Regulation related features ¹⁰	Electro Static Precipitators (ESP), Emission Control System
Any other special features	FGD has been operationalised. De Nox system is under Implementation.
	PETITIONER

PART-I FORM- 3

Normative parameters	considered for tariff	f computations
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Name of the Petitioner: NTPC Limited
Name of the Generating Station: Unchahar Stage-IV

(Year Ending March)

(Year Ending M						nding March)
Unit	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
2	3	4	5	6	7	8
%	15.50	15.50	15.50	15.50	15.50	15.50
%	6.529	12.150	12.150	12.150	12.150	12.150
%	17.4720	17.4720	17.4720	17.4720	17.4720	17.4720
%	85.00	85.00	85.00	85.00	85.00	85.00
%	85.00	85.00	85.00	85.00	85.00	85.00
%	85.00	85.00	85.00	85.00	85.00	85.00
0-1	NA	-	Will be provi	ded at the time	of truing up	
%	6.25	5.75	5.75	5.75	5.75	5.75
%	1.00	1.00	1.00	1.00	1.00	1.00
%	7.25	6.75	6.75	6.75	6.75	6.75
kCal/kWh	2358.84	2372.43	2372.43	2372.43	2372.43	2372.43
ml/kWh	0.50	0.50	0.50	0.50	0.50	0.50
in Days	50	50	50	50	50	50
in Months	2	2	2	2	2	2
in Months	NA	NA	NA	NA	NA	NA
in Months	NA	NA	NA	NA	NA	NA
Rs lakh/MW	25.84	27.17	28.6	30.1	31.68	33.34
% of O&M	20.00	20.00	20.00	20.00	20.00	20.00
in Days	45	45	45	45	45	45
Lakh MT	6.5	6.5	6.5	6.5	6.5	6.5
%	12.00	11.90	11.90	11.90	11.90	11.90
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
g/kwh	10.49	9.70	9.70	9.70	9.70	9.70
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
						NA NA
%	0.80%	0.80%	0.80%	0.80%	0.80%	0.80%
	2 % % % % % % % % 0-1 % % kCal/kWh ml/kWh in Days in Months in Months in Months in Months in Months and Months defined the service of the ser	2023-24 2 3 3 5 5 5 5 5 5 5 6 5 5	Control Cont	Unit 2023-24 2024-25 2025-26 2 3 4 5 % 15.50 15.50 15.50 % 6.529 12.150 12.150 % 17.4720 17.4720 17.4720 % 85.00 85.00 85.00 % 85.00 85.00 85.00 % 85.00 85.00 85.00 % 85.00 85.00 85.00 % 85.00 85.00 85.00 % 6.25 5.75 5.75 % 1.00 1.00 1.00 % 7.25 6.75 6.75 kCal/kWh 2358.84 2372.43 2372.43 ml/kWh 0.50 0.50 0.50 in Days 50 50 50 in Months NA NA NA in Months NA NA NA in Months NA NA NA <t< td=""><td> Chilt 2023-24 2024-25 2025-26 2026-27 2</td><td>Unit Existing 2023-24 2024-25 2025-26 2026-27 2027-28 2 3 4 5 6 7 % 15.50 15.50 15.50 15.50 15.50 % 6.529 12.150 12.150 12.150 12.150 % 17.4720 17.4720 17.4720 17.4720 17.4720 % 85.00 85.00 85.00 85.00 85.00 % 85.00 85.00 85.00 85.00 85.00 % 85.00 85.00 85.00 85.00 85.00 % 85.00 85.00 85.00 85.00 85.00 % 85.00 85.00 85.00 85.00 85.00 % 85.00 85.00 85.00 85.00 85.00 % 1.00 1.00 1.00 1.00 1.00 % 7.25 6.75 6.75 6.75 6.75 6.75 kCal/k</td></t<>	Chilt 2023-24 2024-25 2025-26 2026-27 2	Unit Existing 2023-24 2024-25 2025-26 2026-27 2027-28 2 3 4 5 6 7 % 15.50 15.50 15.50 15.50 15.50 % 6.529 12.150 12.150 12.150 12.150 % 17.4720 17.4720 17.4720 17.4720 17.4720 % 85.00 85.00 85.00 85.00 85.00 % 85.00 85.00 85.00 85.00 85.00 % 85.00 85.00 85.00 85.00 85.00 % 85.00 85.00 85.00 85.00 85.00 % 85.00 85.00 85.00 85.00 85.00 % 85.00 85.00 85.00 85.00 85.00 % 1.00 1.00 1.00 1.00 1.00 % 7.25 6.75 6.75 6.75 6.75 6.75 kCal/k

^{**} As per ECS Petition filed (388/GT/2023) for 2023-24 and supplementary tariff Form(Appendix-IA) in the instant petition for 2024-29 # For Entire Unchahar Station(1550 MW)

Petitioner

						Part-
						FORM-3A
					ΔΠΠΙ	TIONAL FORM
					רוססא	TONAL I OKI
		Calculation of	O&M Expense	<u>s</u>		
Name	e of the Company :	NTPC Limited				
Name	of the Power Station :	Unchahar Stage	e-IV			
		,			Amoun	t in Rs. Lakhs
S.No	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	7	8
1	O&M expenses under Reg.36(1)					
1a	Normative	13585.00	14300.00	15050.00	15840.00	16670.00
2	O&M expenses under Reg.36(1)(6)					
2a	Water Charges	160.65	160.65	160.65	160.65	160.6
2b	Secutiry expenses	1266.45	1367.74	1477.10	1595.16	1722.58
2c	Capital Spare		Shall be prov	rided at the time	of truing up	
3	O&M expenses-Ash Transportation	3178.06	2903.23	2741.94	2580.65	2419.3
	Total O&M Expenses	18190.16	18731.61	19429.68	20176.45	20972.58
						Petitione

	Form-4				
	DETAILS OF FOREIGN LOANS				
	NTPC LIMITED				
	Unchahar-IV		4.07%		(Amount in Lacs)
	Financial Year (Starting from COD)	20	019-20 (01.04.201	9 to 31.03	.2020)
	1	1	2	3	4
	4.375% Eurobonds 2024	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 USD	26-11-2018			
1.	At the date of drawl	01-04-2019	203.51	69.77	14,199.09
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2019	203.51	69.77	14,199.09
2.	Schedule repayment date of principal				
3.	Scheduled payment date of interest	26-05-2019	4.45	69.72	310.39
4.	Witholding tax including surcharge on interest	26-05-2019	0.26	68.83	17.70
5.	Schedule repayment date of principal				
6.	Scheduled payment date of interest	26-11-2019	4.45	71.80	319.64
7.	Witholding tax including surcharge on interest	26-11-2019	0.26	71.45	18.37
I	ERV	31-03-2020			1,280.10
I	At the end of Financial year	31-03-2020	203.51	76.06	15,479.19
			·		

			0.31%		(Amount in Lacs)
	Financial Year (Starting from COD)	20	019-20 (01.04.201	9 to 31.03	.2020)
	1	1	2	3	4
	Mizuho II A	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 USD	15-01-2019			
1.	At the date of drawl	18-09-2017	1.57	69.77	109.69
	Loan repayment upto previous period		-		
	Net loan at the Beginning of the period	01-04-2019	1.57	69.77	109.69
2.	Schedule repayment date of principal				
3.	Scheduled payment date of interest	15-07-2019	0.03	68.33	2.22
4.	Witholding tax including surcharge on interest	15-07-2019	0.00	68.30	0.13
5.	Schedule repayment date of principal				
6.	Scheduled payment date of interest	15-01-2020	0.03	70.78	1.97
7.	Witholding tax including surcharge on interest	15-01-2020	0.00	70.45	0.11
	Schedule repayment date of principal	26-03-2020	0.39	75.98	29.86
	Scheduled payment date of interest	26-03-2020	0.009	75.98	0.72
	Witholding tax including surcharge on interest	26-03-2020	0.001	75.65	0.04
	ERV	31-03-2020			0.03
	At the end of Financial year	31-03-2020	1.18	76.06	89.68
			·		_

			3.59%		(Amount in Lacs)
	Financial Year (Starting from COD)	20	019-20 (01.04.201	9 to 31.03.	.2020)
	1	1	2	3	4
	Mizuho II B	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 USD	15-01-2019			
1.	At the date of drawl	01-04-2019	71.78	69.77	5,007.81
	Loan repayment upto previous period		-		
	Net loan at the Beginning of the period	01-04-2019	71.78	69.77	5,007.81
2.	Schedule repayment date of principal				
3.	Scheduled payment date of interest	15-07-2019	1.48	68.33	101.47
4.	Witholding tax including surcharge on interest	15-07-2019	0.09	68.30	5.86
5.	Schedule repayment date of principal				
6.	Scheduled payment date of interest	15-01-2020	1.27	70.78	89.91
7.	Witholding tax including surcharge on interest	15-01-2020	0.07	70.45	5.17
	Schedule repayment date of principal	26-03-2020	17.94	75.98	1,363.30
	Scheduled payment date of interest	26-03-2020	0.433	75.98	32.88
	Witholding tax including surcharge on interest	26-03-2020	0.025	75.65	1.89
	ERV	31-03-2020	•		449.95
	At the end of Financial year	31-03-2020	53.83	76.06	4,094.46
					`

Form-4	
DETAILS OF FOREIGN LOANS	
NTPC LIMITED	
Unchahar-IV	

4.07% (Amount in Lacs)

			5.30%		(Amount in Lacs)
	Financial Year (Starting from COD)	2	019-20 (01.04.201	9 to 31.03	.2020)
	1	1	2	3	4
	4.25% Eurobonds 2026	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 USD	26-02-2019			
	At the date of drawl	01-04-2019	264.76	69.77	18,472.23
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2019	264.76	69.77	18,472.23
2.	Schedule repayment date of principal				
3.	Scheduled payment date of interest	26-08-2019	5.63	71.57	402.68
4.	Witholding tax including surcharge on interest	26-08-2019	0.32	70.65	22.96
5.	Schedule repayment date of principal				
6.	Scheduled payment date of interest	26-02-2020	5.63	71.63	403.01
7.	Witholding tax including surcharge on interest	26-02-2020	0.32	71.35	23.18
	ERV	31-03-2020			1,665.33
	At the end of Financial year	31-03-2020	264.76	76.06	20,137.56

			4.59%		(Amount in Lacs)
	Financial Year (Starting from COD)	20	019-20 (01.04.201	9 to 31.03.	.2020)
	1	1	2	3	4
	2.75% Fixed Rate Notes due 2027	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 EURO	01-02-2019			
1.	At the date of drawl	01-04-2019	229.31	78.84	18,078.86
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2019	229.31	78.84	18,078.86
2.	Schedule repayment date of principal				
3.	Scheduled payment date of interest				
4.	Witholding tax including surcharge on interest				
5.	Schedule repayment date of principal				
6.	Scheduled payment date of interest	01-02-2020	6.31	78.42	494.50
7.	Witholding tax including surcharge on interest	01-02-2020	0.36	77.36	28.17
	ERV	31-03-2023			1,281.85
	At the end of Financial year	31-03-2020	229.31	84.43	19,360.70
					•

			100.00%		(Amount in Lacs)
	Financial Year (Starting from COD)	20	019-20 (01.04.201	9 to 31.03.	.2020)
	1	1	2	3	4
	7.25% Fixed Rate Notes due 2022 (Masala Bor	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 INR	03-05-2018			
1.	At the date of drawl	18-09-2017	2,00,000.00	1.00	2,00,000.00
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2019	2,00,000.00	1.00	2,00,000.00
2.	Prepayment of Prinicpal				
	Prepayment of interest				
3.	Scheduled payment date of interest	03-05-2019	14,430.49	1.00	14,430.49
4.	Witholding tax including surcharge on interest	03-05-2019	825.14	1.00	825.14
5.	Schedule repayment date of principal				
6.	Scheduled payment date of interest				-
7.	Witholding tax including surcharge on interest				=
	At the end of Financial year	31-03-2020	2,00,000.00	1.00	2,00,000.00

Form-4	
DETAILS OF FOREIGN LOANS	
NTPC LIMITED	
Unchahar-IV	

4.07% (Amount in Lacs)1.01% (Amount in Lacs)

				_\
Financial Year (Starting from COD)	2	019-20 (01.04.201	9 to 31.03.	2020)
1	1	2	3	4
JPY Equ. 350Million A	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY	12-10-2018			
At the date of drawl	01-04-2019	2,271	0.63	1,440.71
Loan repayment upto previous period				
Net loan at the Beginning of the period	01-04-2019	2,271.33	0.63	1,440.71
Schedule repayment date of principal				
Scheduled payment date of interest	12-04-2019	11.02	0.62	6.86
Witholding tax including surcharge on interest	12-04-2019	0.64	0.62	0.39
Schedule repayment date of principal				
Scheduled payment date of interest	11-10-2019	10.99	0.66	7.29
Witholding tax including surcharge on interest	11-10-2019	0.63	0.66	0.42
ERV	31-03-2020			164.90
At the end of Financial year	31-03-2020	2,271.33	0.71	1,605.60

1.28% (Amount in Lacs)

Financial Year (Starting from COD)	2	019-20 (01.04.201	9 to 31.03	.2020)
1	1	2	3	4
JPY Equ. 350Million B	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY	12-10-2018			
At the date of drawl	01-04-2019	2,154	0.63	1,366.17
Loan repayment upto previous period				
Net loan at the Beginning of the period	01-04-2019	2,153.82	0.63	1,366.17
Schedule repayment date of principal				
Scheduled payment date of interest	12-04-2019	10.45	0.62	6.50
Witholding tax including surcharge on interest	12-04-2019	0.60	0.62	0.37
Schedule repayment date of principal				
Scheduled payment date of interest	11-10-2019	10.42	0.66	6.92
Witholding tax including surcharge on interest	11-10-2019	0.60	0.66	0.40
ERV	31-03-2020	0.450.00	0 = 4	1.99
At the end of Financial year	31-03-2020	2,153.82	0.71	1,522.53

DETAILS OF FOREIGN LOANS NTPC LIMITED Unchahar-IV (Amount in Lacs) Financial Year (Starting from COD) 2020-21 (01.04.2020 to 31.03.2021) 1 3 2 Amount (INR) Date Amount (FC) Ex. Rate 4.375% Eurobonds 2024 A. Currency 1 USD 01-04-2020 15,479.19 At the date of drawl 203.51 76.06 Loan repayment upto previous period Net loan at the Beginning of the period 01-04-2020 203.51 76.06 15,479.19 Schedule repayment date of principal 337.01 Scheduled payment date of interest 26-05-2020 4.45 75.70 Witholding tax including surcharge on interest 26-05-2020 0.26 75.10 19.31 Schedule repayment date of principal Scheduled payment date of interest 26-11-2020 4.45 74.18 330.22 Witholding tax including surcharge on interest 26-11-2020 0.26 73.76 18.96 ERV 31-03-2021 407.03 At the end of Financial year 203.51 31-03-2021 74.06 15,072.16

Form-4

(Amount in Lacs)

_					ranount in Eads)
	Financial Year (Starting from COD)	20:	20-21 (01.04.202	20 to 31.03.2	2021)
	1	1	2	3	4
	Mizuho II A	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 USD				
1.	At the date of drawl	01-04-2020	1.57	76.06	119.57
	Loan repayment upto previous period		0.39	76.06	29.89
	Net loan at the Beginning of the period	01-04-2020	1.18	76.06	89.68
2.	Schedule repayment date of principal	28-09-2020	0.39	73.89	29.04
3.	Scheduled payment date of interest	28-09-2020	0.01	73.89	1.00
4.	Witholding tax including surcharge on interest	28-09-2020	0.00	73.45	0.06
5.	Schedule repayment date of principal	26-03-2021	0.39	72.60	28.53
6.	Scheduled payment date of interest	26-03-2021	0.01	72.60	0.43
7.	Witholding tax including surcharge on interest	26-03-2021	0.00	72.14	0.02
	Schedule repayment date of principal				
	Scheduled payment date of interest				
	Witholding tax including surcharge on interest				
I	ERV	31-03-2021			- 3.00
	At the end of Financial year	31-03-2021	0.39	74.06	29.11
	·				

	Financial Year (Starting from COD)	20:	20-21 (01.04.202	20 to 31.03.2	2021)
	1	1	2	3	4
	Mizuho II B	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 USD				
1.	At the date of drawl	01-04-2020	71.78	76.06	5,459.28
	Loan repayment upto previous period		17.94	76.06	1,364.82
	Net loan at the Beginning of the period	01-04-2020	53.83	76.06	4,094.46
2.	Schedule repayment date of principal	28-09-2020	17.94	73.89	1,325.79
3.	Scheduled payment date of interest	28-09-2020	0.62	73.89	45.87
4.	Witholding tax including surcharge on interest	28-09-2020	0.04	73.45	2.63
5.	Schedule repayment date of principal	26-03-2021	17.94	72.60	1,302.73
6.	Scheduled payment date of interest	26-03-2021	0.27	72.60	19.74
7.	Witholding tax including surcharge on interest	26-03-2021	0.02	72.14	1.13
	Schedule repayment date of principal				
	Scheduled payment date of interest				
	Witholding tax including surcharge on interest				
	ERV	31-03-2021			- 137.00
	At the end of Financial year	31-03-2021	17.94	74.06	1,328.93
	·				

Form-4
DETAILS OF FOREIGN LOANS
NTPC LIMITED
Unchahar-IV

(Amount in Lacs)

(Amount in Lacs)

	Financial Year (Starting from COD)	20:	20-21 (01.04.202	20 to 31.03.2	2021)
	1	1	2	3	4
	4.25% Eurobonds 2026	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 USD				
1.	At the date of drawl	01-04-2020	264.76	76.06	20,137.56
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2020	264.76	76.06	20,137.56
2.	Schedule repayment date of principal				
3.	Scheduled payment date of interest	26-08-2020	5.63	74.92	421.52
4.	Witholding tax including surcharge on interest	26-08-2020	0.32	74.67	24.26
5.	Schedule repayment date of principal				
6.	Scheduled payment date of interest	26-02-2021	5.63	72.38	407.24
7.	Witholding tax including surcharge on interest	26-02-2021	0.32	72.00	23.39
	ERV	31-03-2021			- 529.52
	At the end of Financial year	31-03-2021	264.76	74.06	19,608.05

(Amount in Lacs)

	Financial Year (Starting from COD)	202	20-21 (01.04.202	20 to 31.03.2	2021)
	1	1	2	3	4
	2.75% Fixed Rate Notes due 2027	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 EURO				
1.	At the date of drawl	01-04-2020	229.31	84.43	19,360.70
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2020	229.31	84.43	19,360.70
2.	Schedule repayment date of principal				-
3.	Scheduled payment date of interest		-		-
4.	Witholding tax including surcharge on interest		-		-
5.	Schedule repayment date of principal				-
6.	Scheduled payment date of interest	01-02-2021	6.31	88.60	558.71
7.	Witholding tax including surcharge on interest	01-02-2021	0.36	86.66	31.56
	ERV	31-03-2021			653.54
	At the end of Financial year	31-03-2021	229.31	87.28	20,014.24
	·				

	Financial Year (Starting from COD)	202	20-21 (01.04.202	20 to 31.03.2	2021)
	1	1	2	3	4
	7.25% Fixed Rate Notes due 2022 (Masala Bor	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 INR				
1.	At the date of drawl	01-04-2020	2,00,000.00	1.00	2,00,000.00
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2020	2,00,000.00	1.00	2,00,000.00
2.	Prepayment of Prinicpal				
	Prepayment of interest				
3.	Scheduled payment date of interest	03-05-2020	14,501.93	1.00	14,501.93
4.	Witholding tax including surcharge on interest	03-05-2020	836.36	1.00	836.36
5.	Schedule repayment date of principal	22-12-2020	9,200	1.00	9,200.00
6.	Scheduled payment date of interest	22-12-2020	631.29	1.00	631.29
7.	Witholding tax including surcharge on interest	05-01-2021	36.34	1.00	36.34
	At the end of Financial year	31-03-2021	1,90,800.00	1.00	1,90,800.00
			_		

Form-4	
DETAILS OF FOREIGN LOANS	
NTPC LIMITED	
Unchahar-IV	

(Amount in Lacs)

	(*• a = a.••)				
	(Amount in Lacs)				
Financial Year (Starting from COD)	2020-21 (01.04.2020 to 31.03.2021)				
1	1	2	3	4	
JPY Equ. 350Million A	Date	Amount (FC)	Ex. Rate	Amount (INR)	
Currency 1 JPY					
At the date of drawl	01-04-2020	2,271.33	0.71	1,605.60	
Loan repayment upto previous period					
Net loan at the Beginning of the period	01-04-2020	2,271.33	0.71	1,605.60	
Schedule repayment date of principal					
Scheduled payment date of interest	13-04-2020	11.09	0.70	7.77	
Witholding tax including surcharge on interest	13-04-2020	0.64	0.68	0.44	
Schedule repayment date of principal					
Scheduled payment date of interest	12-10-2020	11.19	0.69	7.77	
Witholding tax including surcharge on interest	12-10-2020	0.65	0.69	0.44	
ERV	31-03-2021			- 77.00	
At the end of Financial year	31-03-2021	2,271.33	0.67	1,528.61	
1		1			

Financial Year (Starting from COD)	20:	20-21 (01.04.202	20 to 31.03.2	2021)
1	1	2	3	4
JPY Equ. 350Million B	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY				
At the date of drawl	01-04-2020	2,153.82	0.71	1,522.53
Loan repayment upto previous period				
Net loan at the Beginning of the period	01-04-2020	2,153.82	0.71	1,522.53
Schedule repayment date of principal				
Scheduled payment date of interest	13-04-2020	10.51	0.70	7.36
Witholding tax including surcharge on interest	13-04-2020	0.61	0.68	0.42
Schedule repayment date of principal				
Scheduled payment date of interest	12-10-2020	10.61	0.69	7.37
Witholding tax including surcharge on interest	12-10-2020	0.61	0.69	0.42
ERV	31-03-2021			- 73.01
At the end of Financial year	31-03-2021	2,153.82	0.67	1,449.52

Form-4
DETAILS OF FOREIGN LOANS
NTPC LIMITED
Unchahar-IV

(Amount in Lacs)

	Financial Year (Starting from COD)	2	021-22 (01.04.20	21 to 31.03.2	2022)
	1	1	2	3	4
	4.375% Eurobonds 2024	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 USD				
1.	At the date of drawl	01-04-2021	203.51	74.06	15,072.16
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2021	203.51	74.06	15,072.16
2.	Schedule repayment date of principal				-
3.	Scheduled payment date of interest	26-05-2021	4.45	72.97	324.85
4.	Witholding tax including surcharge on interest	26-05-2021	0.26	72.93	18.75
5.	Schedule repayment date of principal				-
6.	Scheduled payment date of interest	26-11-2021	4.45	74.37	331.10
7.	Witholding tax including surcharge on interest	26-11-2021	0.26	73.92	19.01
	ERV	31-03-2022			461.97
	At the end of Financial year	31-03-2022	203.51	76.33	15,534.14

(Amount in Lacs)

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	Financial Year (Starting from COD)	2	021-22 (01.04.20	21 to 31.03.2	2022)
	1	1	2	3	4
	Mizuho II A	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 USD				
1.	At the date of drawl	01-04-2021	1.57	74.06	116.43
	Loan repayment upto previous period		1.18	0.00	-
	Net loan at the Beginning of the period	01-04-2021	0.39	74.06	29.11
2.	Schedule repayment date of principal	27-09-2021	0.39	73.48	28.88
3.	Scheduled payment date of interest	27-09-2021	0.00	73.48	0.22
4.	Witholding tax including surcharge on interest	27-09-2021	0.00	73.39	0.01
5.	Schedule repayment date of principal				
6.	Scheduled payment date of interest				
7.	Witholding tax including surcharge on interest				
	Schedule repayment date of principal				
	Scheduled payment date of interest				
	Witholding tax including surcharge on interest				
	ERV	31-03-2021			- 0.23
	At the end of Financial year	31-03-2022	-	76.33	-
	·				

	Financial Year (Starting from COD)	2021-22 (01.04.2021 to 31.03.2022)			
	1	1	2	3	4
	Mizuho II B	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 USD				
1.	At the date of drawl	01-04-2021	71.78	74.06	5,315.73
	Loan repayment upto previous period		53.83	74.06	3,986.80
	Net loan at the Beginning of the period	01-04-2021	17.94	74.06	1,328.93
2.	Schedule repayment date of principal	27-09-2021	17.94	73.48	1,318.45
3.	Scheduled payment date of interest	27-09-2021	0.13	73.48	9.89
4.	Witholding tax including surcharge on interest	27-09-2021	0.01	73.39	0.57
5.	Schedule repayment date of principal				
6.	Scheduled payment date of interest				
7.	Witholding tax including surcharge on interest				
	Schedule repayment date of principal				
	Scheduled payment date of interest				
	Witholding tax including surcharge on interest				
	ERV	31-03-2021			- 10.48
	At the end of Financial year	31-03-2022	-	76.33	-

Form-4	
DETAILS OF FOREIGN LOANS	
NTPC LIMITED	
Unchahar-IV	

(Amount in Lacs)

(Amount in Lacs)

	Financial Year (Starting from COD)	2021-22 (01.04.2021 to 31.03.2022)			
	1	1	2	3	4
	4.25% Eurobonds 2026	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 USD				
1.	At the date of drawl	01-04-2021	264.76	74.06	19,608.05
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2021	264.76	74.06	19,608.05
2.	Schedule repayment date of principal				
3.	Scheduled payment date of interest	26-08-2021	5.63	74.28	417.89
4.	Witholding tax including surcharge on interest	26-08-2021	0.32	73.71	23.95
5.	Schedule repayment date of principal				
6.	Scheduled payment date of interest	26-02-2022	5.63	74.68	420.16
7.	Witholding tax including surcharge on interest	26-02-2022	0.32	74.25	24.13
	ERV	31-03-2022			601.00
	At the end of Financial year	31-03-2022	264.76	76.33	20,209.05

(Amount in Lacs)

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	Einanaial Vaar (Starting from COD)	2	024 22 (04 04 20	121 to 21 02 2	0022)
	Financial Year (Starting from COD)	2021-22 (01.04.2021 to 31.03.2022)			
	1	1	2	3	4
	2.75% Fixed Rate Notes due 2027	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 EURO				
1.	At the date of drawl	01-04-2021	229.31	87.28	20,014.24
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2021	229.31	87.28	20,014.24
2.	Schedule repayment date of principal				-
3.	Scheduled payment date of interest		-		-
4.	Witholding tax including surcharge on interest		-		-
5.	Schedule repayment date of principal				-
6.	Scheduled payment date of interest	01-02-2022	6.31	84.32	531.73
7.	Witholding tax including surcharge on interest	01-02-2022	0.36	83.59	30.44
	ERV	31-03-2022			- 348.55
	At the end of Financial year	31-03-2022	229.31	85.76	19,665.69

_					(Amount in Lacs)
	Financial Year (Starting from COD)	2021-22 (01.04.2021 to 31.03.2022)			
	1	1	2	3	4
	7.25% Fixed Rate Notes due 2022 (Masala Bor	Date	Amount (FC)	Ex. Rate	Amount (INR)
1	A. Currency 1 INR				
1	At the date of drawl		1,90,800.00	1.00	1,90,800.00
ı	Loan repayment upto previous period				
ı	Net loan at the Beginning of the period	01-04-2021	1,90,800.00	1.00	1,90,800.00
2	2. Prepayment of Prinicpal				-
ı	Prepayment of interest				
3	Scheduled payment date of interest	03-05-2021	13,831.13	1.00	13,831.13
4	 Witholding tax including surcharge on interest 	03-05-2021	789.02	1.00	789.02
5	5. Schedule repayment date of principal				-
6	Scheduled payment date of interest		-		-
7	7. Witholding tax including surcharge on interest		-		=
Ī	At the end of Financial year	31-03-2022	1,90,800.00	1.00	1,90,800.00
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Form-4	
DETAILS OF FOREIGN LOANS	
NTPC LIMITED	
Unchahar-IV	

				(, = =)
				(Amount in Lacs)
Financial Year (Starting from COD)	2	021-22 (01.04.20	121 to 31 03 3	0022/
rmancial real (Starting from COD)	1 1	2	3	4
IDV F OFOREIU: A	Doto	Amount (FC)	Ex. Rate	•
JPY Equ. 350Million A	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY				
At the date of drawl	01-04-2021	2,271.33	0.67	1,528.61
Loan repayment upto previous period				
Net loan at the Beginning of the period	01-04-2021	2,271.33	0.67	1,528.61
Schedule repayment date of principal				
Scheduled payment date of interest	12-04-2021	10.91	0.68	7.39
Witholding tax including surcharge on interest	12-04-2021	0.63	0.66	0.41
Schedule repayment date of principal				
Scheduled payment date of interest	11-10-2021	10.91	0.67	7.28
Witholding tax including surcharge on interest	11-10-2021	0.63	0.66	0.42
ERV	31-03-2022			- 102.21
At the end of Financial year	31-03-2022	2,271.33	0.63	1,426.40

Financial Year (Starting from COD)	2021-22 (01.04.2021 to 31.03.2022)			2022)
1	1	2	3	4
JPY Equ. 350Million B	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY				
At the date of drawl	01-04-2021	2,153.82	0.67	1,449.52
Loan repayment upto previous period				
Net loan at the Beginning of the period	01-04-2021	2,153.82	0.67	1,449.52
Schedule repayment date of principal				
Scheduled payment date of interest	12-04-2021	10.34	0.68	7.00
Witholding tax including surcharge on interest	12-04-2021	0.60	0.66	0.39
Schedule repayment date of principal				
Scheduled payment date of interest	11-10-2021	10.34	0.67	6.90
Witholding tax including surcharge on interest	11-10-2021	0.60	0.66	0.39
ERV	31-03-2022			- 96.92
At the end of Financial year	31-03-2022	2,153.82	0.63	1,352.60

Form-4
DETAILS OF FOREIGN LOANS
NTPC LIMITED
Unchahar-IV

	Financial Year (Starting from COD)		2022-23 (01.04.2022 to 31.03.2023)			
	1	1	2	3	4	
	4.375% Eurobonds 2024	Date	Amount (FC)	Ex. Rate	Amount (INR)	
A.	Currency 1 USD					
1.	At the date of drawl	01-04-2022	203.51	76.33	15,534.14	
	Loan repayment upto previous period					
	Net loan at the Beginning of the period	01-04-2022	203.51	76.33	15,534.14	
2.	Schedule repayment date of principal				-	
3.	Scheduled payment date of interest	26-05-2022	4.45	77.65	345.68	
4.	Witholding tax including surcharge on interest	26-05-2022	0.26	75.93	19.52	
5.	Schedule repayment date of principal				-	
6.	Scheduled payment date of interest	26-11-2022	4.45	81.80	364.14	
7.	Witholding tax including surcharge on interest	26-11-2022	0.26	81.35	20.92	
	ERV	31-03-2023			1,304.52	
	At the end of Financial year	31-03-2023	203.51	82.74	16,838.65	

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	Financial Year (Starting from COD)
	1
	Mizuho II A
A.	Currency 1 USD
1.	At the date of drawl
	Loan repayment upto previous period
	Net loan at the Beginning of the period
2.	Schedule repayment date of principal
3.	Scheduled payment date of interest
4.	Witholding tax including surcharge on interest
5.	Schedule repayment date of principal
6.	Scheduled payment date of interest
7.	Witholding tax including surcharge on interest
	Schedule repayment date of principal
	Scheduled payment date of interest
	Witholding tax including surcharge on interest
	ERV
	At the end of Financial year
	·

I	Financial Year (Starting from COD)
	1
	Mizuho II B
A.	Currency 1 USD
1.	At the date of drawl
	Loan repayment upto previous period
	Net loan at the Beginning of the period
2.	Schedule repayment date of principal
3.	Scheduled payment date of interest
4.	Witholding tax including surcharge on interest
5.	Schedule repayment date of principal
6.	Scheduled payment date of interest
7.	Witholding tax including surcharge on interest
	Schedule repayment date of principal
	Scheduled payment date of interest
	Witholding tax including surcharge on interest
I	ERV
	At the end of Financial year

Form-4	
DETAILS OF FOREIGN LOANS	
NTPC LIMITED	
Unchahar-IV	

(Amount in Lacs)

	Financial Year (Starting from COD)		2022-23 (01.04.2022 to 31.03.2023)			
	1	1	2	3	4	
	4.25% Eurobonds 2026	Date	Amount (FC)	Ex. Rate	Amount (INR)	
A.	Currency 1 USD					
1.	At the date of drawl	01-04-2022	264.76	76.33	20,209.05	
	Loan repayment upto previous period					
	Net loan at the Beginning of the period	01-04-2022	264.76	76.33	20,209.05	
2.	Schedule repayment date of principal					
3.	Scheduled payment date of interest	26-08-2022	5.63	79.89	449.47	
4.	Witholding tax including surcharge on interest	26-08-2022	0.32	78.64	25.55	
5.	Schedule repayment date of principal					
6.	Scheduled payment date of interest	26-02-2023	5.63	82.80	465.82	
7.	Witholding tax including surcharge on interest	26-02-2023	0.32	82.42	26.78	
	ERV	31-03-2023			1,697.10	
	At the end of Financial year	31-03-2023	264.76	82.74	21,906.15	

(Amount in Lacs)

	Financial Year (Starting from COD)		2022-23 (01.04.2022 to 31.03.2023)			
	1	1	2	3	4	
	2.75% Fixed Rate Notes due 2027	Date	Amount (FC)	Ex. Rate	Amount (INR)	
A.	Currency 1 EURO					
1.	At the date of drawl	01-04-2022	229.31	85.76	19,665.69	
	Loan repayment upto previous period					
	Net loan at the Beginning of the period	01-04-2022	229.31	85.76	19,665.69	
2.	Schedule repayment date of principal				-	
3.	Scheduled payment date of interest		-		-	
4.	Witholding tax including surcharge on interest		=		-	
5.	Schedule repayment date of principal				=	
6.	Scheduled payment date of interest	01-02-2023	6.31	88.68	559.22	
7.	Witholding tax including surcharge on interest	01-02-2023	0.36	86.87	31.64	
	ERV	31-03-2023			1,171.78	
	At the end of Financial year	31-03-2023	229.31	90.87	20,837.46	

	Financial Year (Starting from COD)		2022-23 (01.04.2022 to 31.03.2023)		
	1	1	2	3	4
	7.25% Fixed Rate Notes due 2022 (Masala Bor	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 INR				
1.	At the date of drawl		1,90,800.00	1.00	1,90,800.00
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2022	1,90,800.00	1.00	1,90,800.00
2.	Prepayment of Prinicpal	03-05-2022	1,90,800.00	1.00	1,90,800.00
	Prepayment of interest				
3.	Scheduled payment date of interest	03-05-2022	13,833.00	1.00	13,833.00
4.	Witholding tax including surcharge on interest	03-05-2022	792.43	1.00	792.43
5.	Schedule repayment date of principal				-
6.	Scheduled payment date of interest		-		-
7.	Witholding tax including surcharge on interest		•		-
	At the end of Financial year	31-03-2023	•	1.00	-

Form-4	
DETAILS OF FOREIGN LOANS	
NTPC LIMITED	
Unchahar-IV	

Unchanar-iv				(Amount in Lacs
				(Amount in Lacs
Financial Year (Starting from COD)		2022-23 (01.04.20	22 to 31 03 20	1231
1	1	2	3	4
JPY Equ. 350Million A	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY				
At the date of drawl	01-04-2022	2,271.33	0.63	1,426.40
Loan repayment upto previous period				
Net loan at the Beginning of the period	01-04-2022	2,271.33	0.63	1,426.40
Schedule repayment date of principal				
Scheduled payment date of interest	11-04-2022	10.91	0.61	6.69
Witholding tax including surcharge on interest	11-04-2022	0.63	0.61	0.39
Schedule repayment date of principal				
Scheduled payment date of interest	12-07-2022	5.44	0.58	3.18
Witholding tax including surcharge on interest	12-07-2022	0.31	0.58	0.18
	12-10-2022	5.44	0.57	3.09
	12-10-2022	0.31	0.56	0.18
	12-01-2023	5.44	0.62	3.39
	12-01-2023	0.31	0.62	0.19
ERV	31-03-2023			- 3.86
At the end of Financial year	31-03-2023	2,271.33	0.63	1,422.54

Financial Year (Starting from COD)		2022-23 (01.04.2022 to 31.03.2023)		
1	1	2	3	4
JPY Equ. 350Million B	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY				
At the date of drawl	01-04-2022	2,153.82	0.63	1,352.60
Loan repayment upto previous period			_	
Net loan at the Beginning of the period	01-04-2022	2,153.82	0.63	1,352.60
Schedule repayment date of principal				
Scheduled payment date of interest	11-04-2022	10.34	0.61	6.35
Witholding tax including surcharge on interest	11-04-2022	0.60	0.61	0.37
Schedule repayment date of principal				
Scheduled payment date of interest	12-07-2022	5.16	0.58	3.01
Witholding tax including surcharge on interest	12-07-2022	0.30	0.58	0.17
	12-10-2022	5.16	0.57	2.93
	12-10-2022	0.30	0.56	0.17
	12-01-2023	5.16	0.62	3.21
	12-01-2023	0.30	0.62	0.18
ERV	31-03-2021			- 3.66
At the end of Financial year	31-03-2023	2,153.82	0.63	1,348.94

		1			
	Form-4				
	DETAILS OF FOREIGN LOANS				
	NTPC LIMITED				
	Unchahar-IV				(Amount in Lacs)
	Financial Year (Starting from COD)	20	023-24 (01.04.20	23 to 31.03	.2024)
	1	1	2	3	4
	4.375% Eurobonds 2024	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 USD				
1.	At the date of drawl	01-04-2023	203.51	82.74	16,838.65
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2023	203.51	82.74	16,838.65
2.	Schedule repayment date of principal				-
3.	Scheduled payment date of interest	26-05-2023	4.45	82.80	368.63
4.	Witholding tax including surcharge on interest	26-05-2023	0.26	81.94	21.07
5.	Schedule repayment date of principal				-
6.	Scheduled payment date of interest	26-11-2023	4.45	83.34	370.99
7.	Witholding tax including surcharge on interest	26-11-2023	0.26	82.91	21.32
	ERV	31-03-2024			246.25
	At the end of Financial year	31-03-2024	203.51	83.95	17,084.90
	•				

_							
	Financial Year (Starting from COD)						
	1						
	Mizuho II A						
A.	Currency 1 USD						
1.	At the date of drawl						
	Loan repayment upto previous period						
	Net loan at the Beginning of the period						
2.	Schedule repayment date of principal						
3.	Scheduled payment date of interest						
4.	Witholding tax including surcharge on interest						
5.	Schedule repayment date of principal						
6.	Scheduled payment date of interest						
7.	Witholding tax including surcharge on interest						
	Schedule repayment date of principal						
	Scheduled payment date of interest						
	Witholding tax including surcharge on interest						
	ERV						
	At the end of Financial year						

	Financial Year (Starting from COD)
	1
	Mizuho II B
A.	Currency 1 USD
1.	At the date of drawl
	Loan repayment upto previous period
	Net loan at the Beginning of the period
2.	Schedule repayment date of principal
3.	Scheduled payment date of interest
4.	Witholding tax including surcharge on interest
5.	Schedule repayment date of principal
6.	Scheduled payment date of interest
7.	Witholding tax including surcharge on interest
	Schedule repayment date of principal
	Scheduled payment date of interest
	Witholding tax including surcharge on interest
	ERV
	At the end of Financial year

Form-4	
DETAILS OF FOREIGN LOANS	
NTPC LIMITED	
Unchahar-IV	

(Amount in Lacs)

	Financial Year (Starting from COD)	20	2023-24 (01.04.2023 to 31.03.2024)		
	1	1	2	3	4
	4.25% Eurobonds 2026	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 USD				
1.	At the date of drawl	01-04-2023	264.76	82.74	21,906.15
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2023	264.76	82.74	21,906.15
2.	Schedule repayment date of principal				
3.	Scheduled payment date of interest	26-08-2023	5.63	82.94	466.61
4.	Witholding tax including surcharge on interest	26-08-2023	0.32	82.43	26.78
5.	Schedule repayment date of principal				
6.	Scheduled payment date of interest	26-02-2024	5.63	82.90	466.43
7.	Witholding tax including surcharge on interest	26-02-2024	0.32	82.51	26.81
	ERV	31-03-2024			320.36
	At the end of Financial year	31-03-2024	264.76	83.95	22,226.51
			_		•

					(
	Financial Year (Starting from COD)	20	023-24 (01.04.20	23 to 31.03	2024)
	1	1	2	3	4
	2.75% Fixed Rate Notes due 2027	Date	Amount (FC)	Ex. Rate	Amount (INR)
A.	Currency 1 EURO				
1.	At the date of drawl	01-04-2023	229.31	90.87	20,837.46
	Loan repayment upto previous period				
	Net loan at the Beginning of the period	01-04-2023	229.31	90.87	20,837.46
2.	Schedule repayment date of principal				-
3.	Scheduled payment date of interest		-		-
4.	Witholding tax including surcharge on interest		-		=
5.	Schedule repayment date of principal				=
6.	Scheduled payment date of interest	01-02-2024	6.31	90.13	568.39
7.	Witholding tax including surcharge on interest	01-02-2024	0.36	88.99	32.41
	ERV	31-03-2024			146.76
	At the end of Financial year	31-03-2024	229.31	91.51	20,984.22

	Financial Year (Starting from COD)						
	1						
	7.25% Fixed Rate Notes due 2022 (Masala Bor						
A.	Currency 1 INR						
1.	At the date of drawl						
	Loan repayment upto previous period						
	Net loan at the Beginning of the period						
2.	Prepayment of Prinicpal						
	Prepayment of interest						
3.	Scheduled payment date of interest						
4.	Witholding tax including surcharge on interest						
5.	Schedule repayment date of principal						
6.	Scheduled payment date of interest						
7.	Witholding tax including surcharge on interest						
	At the end of Financial year						
	•						

Form-4
DETAILS OF FOREIGN LOANS
NTPC LIMITED
Unchahar-IV

00				(, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
				(Amount in Lacs)
Figure 1 Nove (Otarting (nove OOD)		000 04 (04 04 04	00.1- 04.00	0004)
Financial Year (Starting from COD)	2023-24 (01.04.2023 to 31.03.2024)			
1	1	2	3	4
JPY Equ. 350Million A	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY				
At the date of drawl	01-04-2023	2,271.33	0.63	1,422.54
Loan repayment upto previous period				
Net loan at the Beginning of the period	01-04-2023	2,271.33	0.63	1,422.54
Schedule repayment date of principal				
Scheduled payment date of interest	12-04-2023	5.32	0.62	3.32
Witholding tax including surcharge on interest	12-04-2023	0.31	0.61	0.19
Schedule repayment date of principal				
Scheduled payment date of interest	12-07-2023	5.38	0.58	3.11
Witholding tax including surcharge on interest	12-07-2023	0.31	0.57	0.18
	12-10-2023	5.44	0.56	3.04
	12-10-2023	0.31	0.55	0.17
			0.58	
	12-01-2024	5.44	0.58	3.18
	12-01-2024	0.31	0.57	0.18
ERV	31-03-2024			- 156.04
At the end of Financial year	31-03-2024	2,271.33	0.56	1,266.49
1		l	1	

2023-24 (01.04.2023 to 31.03.2024)			.2024)
1	2	3	4
Date	Amount (FC)	Ex. Rate	Amount (INR)
01-04-2023	2,153.82	0.63	1,348.94
01-04-2023	2,153.82	0.63	1,348.94
12-04-2023	5.05	0.62	3.15
12-04-2023	0.29	0.61	0.18
12-07-2023	5.10	0.58	2.95
12-07-2023	0.29	0.57	0.17
12-10-2023	5.16	0.56	2.88
12-10-2023	0.30	0.55	0.17
		0.58	
12-01-2024	5.16	0.58	3.01
12-01-2024	0.30	0.57	0.17
			- 147.97
31-03-2024	2,153.82	0.56	1,200.97
	1 Date 01-04-2023 01-04-2023 12-04-2023 12-07-2023 12-07-2023 12-10-2023 12-01-2024 12-01-2024	1 2 Date Amount (FC) 01-04-2023 2,153.82 01-04-2023 2,153.82 12-04-2023 5.05 12-04-2023 0.29 12-07-2023 5.10 12-07-2023 5.16 12-10-2023 5.16 12-10-2024 5.16 12-01-2024 5.16 12-01-2024 0.30	1 2 3 Date Amount (FC) Ex. Rate 01-04-2023 2,153.82 0.63 01-04-2023 2,153.82 0.63 12-04-2023 5.05 0.62 12-04-2023 0.29 0.61 12-07-2023 5.10 0.58 12-07-2023 0.29 0.57 12-10-2023 5.16 0.56 12-10-2023 0.30 0.55 12-01-2024 5.16 0.58 12-01-2024 5.16 0.58 12-01-2024 0.30 0.57

Form-4		DETAILS OF		OANS loans applicable t	o the project ur	odor potition)	
Name of the company Name of the Power Station		NTPC LIMITE	•	оанз аррисавле с	o trie project di	ider petition)	
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

	Abstract of Admitted Capit	al Cost for the existing Projects	
Name of the Company :	NTPC Limited		
Name of the Power Station :	Unchahar Stage-IV		
Last date of order of Commission	for the project	Date (DD-MM-YYYY)	15-04-2022,Review order date:29- 03-2023
Reference of petition no. in which	the above order was passed	Petition no.	3/GT/2021
Following details (whether admitte order by the Commission:	d and /or considered) as on the last da	ate of the period i.e. 31.03.2024 for	or which tariff is approved, in the above
Capital cost			2,90,142.5
Amount of un-discharged liabilities admitted capital cost)	s included in above (& forming part of	f	_
	s corresponding to above admitted of admitted capital cost being allowed		29,924.0
Gross Normative Debt			2,03,099.7
Cumulative Repayment		(Rs. in lakh)	95,353.1
Net Normative Debt			1,07,746.5
Gross Notional Equity			87,042.7
Adjustment to equity in terms of 1s	st proviso to Regulation 18(3)		
Normative Equity			87042.7
Cumulative Depreciation			95,353.1
Freehold land	<u> </u>		

			PART 1 FORM- 5A
	Abstract of Claimed Capital	Cost for the existing Projects	I OKW- 3A
Name of the Company :	NTPC Limited	· · · · · · · · · · · · · · · · · · ·	
Name of the Power Station :	Unchahar Stage-IV		
Reference of Final True-up Tariff I	Petition	Affidavit dated	16-11-2024
	.04.2024 as per Hon'ble Commission's	Amadri dated	10-11-202-
Order dated 29-03-2023 in 3/GT/2	2021	Rs. Lakhs	2,90,142.51
Adjustment as per this petition			20366.37
Following details as considered by	the Petitioner as on the First date of the	he period i.e. 01.04.2024 for which tariff is cl	
		, , , , , , , , , , , , , , , , , , , ,	
Capital cost as on 01.04.2024			310508.88
ğ ,	s included in above (& forming part of		
admitted capital cost)			C
Amount of un-discharged liabilities	s corresponding to above admitted		
	of admitted capital cost being allowed		
on cash basis)			19928.46
Gross Normative Debt		(Rs. in lakh)*	2,17,356.22
Cumulative Repayment		(ito: in lakil)	93,383.95
Net Normative Debt			1,23,972.26
Gross Notional Equity			93,152.66
Adjustment to equity in terms of 1s	st proviso to Regulation 18(3)		-
Normative Equity			93,152.66
Cumulative Depreciation			93,383.95
			0.00

Statement Giving Details of Project Financed through a Combination of Ioan Form 8

BP NO 5050000711	T00001	D00001

BP NO 3030000711	100001	D00001	
Unsecured Loa	an From Punjab Nation	al Bank-IV	
Source of Loan :	Dunish National Ban	L IV	
	Punjab National Ban	K-IV	
Currency:			
Amount of Loan:	20,00,00,00,000		
Total Drawn amount :	20,00,00,00,000		
Date of Drawl	01.01.2019		
Interest Type :	Floating		
Fixed Interest Rate :	10.000/		
Base Rate, If Floating Interest	8.60%		
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 :	01.01.2019		
Repayment Period (Inc			
Moratorium):	12 Years		
Repayment Frequency:	9 Yearly Instalment		
Repayment Type :	AVG		
First Repayment Date :	14.02.2023		
Base Exchange Rate:	RUPEE		
Date of Base Exchange Rate:	N.A.		
Project Code	Project Name	Amount	
	UNCHAHAR STPP IV	65,00,00,000.00	
	TANDA-II	85,00,00,000.00	
	NCTPP-II	36,43,00,000.00	
	DADRI GAS R&M	56,00,00,000.00	
	KORBA-III	15,00,00,000.00	
	SIPAT-II	17,14,00,000.00	
	FARAKKA-III	8,57,00,000.00	
	KAHALGAON-II	17,14,00,000.00	
	BARH-I	1,08,57,00,000.00	
	BARH-II	8,00,00,000.00	
	NORTH KARANPURA	1,09,00,00,000.00	

K	COLDAM	6,43,00,000.00
T.	APOVAN VISHNUGA	28,57,00,000.00
P	PAKRI BARWADIH	1,42,00,00,000.00
C	CHATTI BARIATU	10,00,00,000.00
В	BONGAIGAON	36,43,00,000.00
K	KUDGI	60,00,00,000.00
L	.ARA	1,23,00,00,000.00
G	SADARWARA	2,27,72,00,000.00
D	DARLIPALLI	2,73,00,00,000.00
K	(HARGONE	50,00,00,000.00
A	NANTPUR SOLAR	17,00,00,000.00
T	ALAIPALI COAL MIN	5,00,00,00,000.00
Total Allocated Amount		20,00,00,00,000.00

BP NO 5050000442	T00001	D0004			
Unsecured Loan From SBI-VIII					
Source of Loan :	SBI-VIII				
Currency:	INR				
Amount of Loan:	1,00,00,00,00,000				
Total Drawn amount:	10,00,00,00,000				
Interest Type :	Floating				
Fixed Interest Rate :					
Base Rate, If Floating Interest	D0004-8.25%				
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 :	6 Years				
Moratorium effective from :	04.08.2015				
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-II	23,00,00,000			
	BARH-I	45,00,00,000			
	BONGAIGAON	61,00,00,000			
	DARLIPALLI	68,00,00,000			

GADARWAR	A 1,25,00,00,000
KOLDAM	29,00,00,000
KUDGI-I	1,13,00,00,000
LARA-I	1,65,00,00,000
MOUDA-II	84,00,00,000
NORTH KARA	ANPURA 24,00,00,000
RAMMAM	9,00,00,000
SOLAPUR	1,11,00,00,000
TANDA-II	7,00,00,000
TAPOVAN VI	SHNUG/ 38,00,00,000
UNCHAHAR-	IV 41,00,00,000
VINDHYACHA	AL-V 57,00,00,000
Total Allocated Amount	10,00,00,00,000.00

	I NAME IL NO	
BP NO 5050000442	T00001	D0005

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		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, If Floating Interest	D0005-9.70%		
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 :	6 Years		
Moratorium effective from :	23.09.2015		
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	20,00,00,000	
	BONGAIGAON	10,00,00,000	
	DARLIPALLI	55,00,00,000	
	GADARWARA	1,55,00,00,000	

Total Allocated Amount	5,00,00,00,000.00
UNCHAHAR-IV	20,00,00,000
SOLAPUR	30,00,00,000
MOUDA-II	35,00,00,000
LARA	45,00,00,000
KUDGI	1,30,00,00,000

BP NO 5050000442	T00001	D0006
	INAMONE NO	

Unsecured Loan From SBI-VIII			
Source of Loan:	SBI-VIII		
Currency:	INR		
Amount of Loan:	1,00,00,00,00,000		
Total Drawn amount :	1,50,00,00,000		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, If Floating Interest	D0006-9.30%		
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 :	6 Years		
Moratorium effective from :	14.10.2015		
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	
	UNCHAHAR-IV	24,00,00,000	
	TANDA-II	50,00,00,000	
	MOUDA-II	76,00,00,000	
Total Allocated	Amount	1,50,00,00,000.00	

TRANCHE NO

Form 8		
Source of Loan :	SBI-VIII	
Currency:	INR	

Amount of Loan:	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	D0008-8.25%	
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 :	6 Years	
Moratorium effective from :	21.10.2015	
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	54,00,00,000
	TAPOVAN VISHNUGA	13,00,00,000
	BONGAIGAON	23,00,00,000
	BARH-II	22,00,00,000
	KUDGI-I	81,00,00,000
	MOUDA-II	25,00,00,000
	SOLAPUR	35,00,00,000
	VINDHYACHAL-V	13,00,00,000
	LARA-I	85,00,00,000
	GADARWARA	49,00,00,000
	UNCHAHAR-IV	10,00,00,000
	NORTH KARANPURA	8,00,00,000
	DARLIPALLI	34,00,00,000
	TANDA-II	26,00,00,000
	PAKRI BARWADIH	12,00,00,000
	RIHAND-III	10,00,00,000
Total Allocated	Amount	5,00,00,00,000

BP NO 5050000442	T00001	D00011
	Unsecured Loan From SBI-VIII	

Unsecured Loan From SBI-VIII		
Source of Loan:	SBI-VIII	
Currency:	INR	

Amount of Loan:	1,00,00,00,000	
Total Drawn amount:	3,00,00,00,000	
Interest Type :	Floating	
Fixed Interest Rate:		
Base Rate, If Floating Interest	D00011-9.30%	
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 :	6 Years	
Moratorium effective from :	30.10.2015	
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	31,00,00,000
	BONGAIGOAN	30,00,00,000
	DARLIPALLI	16,00,00,000
	GADARWARA	72,00,00,000
	KHARGONE	5,00,00,000
	LARA-I	33,00,00,000
	MOUDA-II	26,00,00,000
	NORTH KARANPURA	8,00,00,000
	TANDA-II	15,00,00,000
	TAPOVAN VISHNUGA	21,00,00,000
	UNCHAHAR-IV	7,00,00,000
	PAKRI BARWADIH	4,00,00,000
	CHATTI BARIATU	9,00,00,000
	SIMHADRI-II	12,00,00,000
	RAMAGUNDAM R&M	11,00,00,000
Total Allocated	Amount	3,00,00,00,000

DI 110 000000TTE	100001	D00012
Unsecured Loan From SBI-VIII		
Source of Loan:	SBI-VIII	
Currency:	INR	
Amount of Loan:	1,00,00,00,00,000	

Total Drawn amount :	4,00,00,00,000	
Interest Type :	Floating	
Fixed Interest Rate:		
Base Rate, If Floating Interest	D00012-9.30%	
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 :	6 Years	
Moratorium effective from :	12.11.2015	
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
	IBARH-I	25,00,00,000
	D/ ((())	20,00,00,000
	BONGAIGAON	32,00,00,000
	BONGAIGAON	32,00,00,000 22,00,00,000 56,00,00,000
	BONGAIGAON DARLIPALLI	32,00,00,000 22,00,00,000
	BONGAIGAON DARLIPALLI GADARWARA	32,00,00,000 22,00,00,000 56,00,00,000
	BONGAIGAON DARLIPALLI GADARWARA KUDGI	32,00,00,000 22,00,00,000 56,00,00,000 30,00,00,000
	BONGAIGAON DARLIPALLI GADARWARA KUDGI LARA MOUDA-II NORTH KARANPURA	32,00,00,000 22,00,00,000 56,00,00,000 30,00,00,000 23,00,00,000
	BONGAIGAON DARLIPALLI GADARWARA KUDGI LARA MOUDA-II	32,00,00,000 22,00,00,000 56,00,00,000 30,00,00,000 23,00,00,000 44,00,00,000
	BONGAIGAON DARLIPALLI GADARWARA KUDGI LARA MOUDA-II NORTH KARANPURA PAKRI BARWADIH SOLAPUR	32,00,00,000 22,00,00,000 56,00,00,000 30,00,00,000 23,00,00,000 44,00,00,000 17,00,00,000 11,00,00,000 62,00,00,000
	BONGAIGAON DARLIPALLI GADARWARA KUDGI LARA MOUDA-II NORTH KARANPURA PAKRI BARWADIH SOLAPUR TANDA-II	32,00,00,000 22,00,00,000 56,00,00,000 30,00,00,000 23,00,00,000 44,00,00,000 17,00,00,000 11,00,00,000 62,00,00,000 15,00,00,000
	BONGAIGAON DARLIPALLI GADARWARA KUDGI LARA MOUDA-II NORTH KARANPURA PAKRI BARWADIH SOLAPUR TANDA-II TAPOVAN VISHNUGA	32,00,00,000 22,00,00,000 56,00,00,000 30,00,00,000 23,00,00,000 44,00,00,000 17,00,00,000 11,00,00,000 62,00,00,000 15,00,00,000 18,00,00,000
	BONGAIGAON DARLIPALLI GADARWARA KUDGI LARA MOUDA-II NORTH KARANPURA PAKRI BARWADIH SOLAPUR TANDA-II TAPOVAN VISHNUGA	32,00,00,000 22,00,00,000 56,00,00,000 30,00,00,000 23,00,00,000 44,00,00,000 17,00,00,000 11,00,00,000 62,00,00,000 15,00,00,000 18,00,00,000 12,00,00,000
	BONGAIGAON DARLIPALLI GADARWARA KUDGI LARA MOUDA-II NORTH KARANPURA PAKRI BARWADIH SOLAPUR TANDA-II TAPOVAN VISHNUGA UNCHAHAR-IV VINDHYACHAL-V	32,00,00,000 22,00,00,000 56,00,00,000 30,00,00,000 23,00,00,000 44,00,00,000 17,00,00,000 11,00,00,000 62,00,00,000 15,00,00,000 18,00,00,000 12,00,00,000 13,00,00,000
Total Allocated	BONGAIGAON DARLIPALLI GADARWARA KUDGI LARA MOUDA-II NORTH KARANPURA PAKRI BARWADIH SOLAPUR TANDA-II TAPOVAN VISHNUGA UNCHAHAR-IV VINDHYACHAL-V MOUDA-I	32,00,00,000 22,00,00,000 56,00,00,000 30,00,00,000 23,00,00,000 44,00,00,000 17,00,00,000 11,00,00,000 62,00,00,000 15,00,00,000 18,00,00,000 12,00,00,000

Statement Giving Details of Project Financed through a Combination of Ioan Form 8 TRANCHE NO

Unsecured Loan From SBI-VIII		
Source of Loan:	SBI-VIII	
Currency:	INR	

Amount of Loan:	1,00,00,00,000	
Total Drawn amount :	4,00,00,000	
Interest Type :	Floating	
Fixed Interest Rate:		
Base Rate, If Floating Interest	D00013-8.25%	
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 :	6 Years	
Moratorium effective from :	01.12.2015	
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	18,00,00,000
	BONGAIGOAN	14,00,00,000
	DARLIPALLI	45,00,00,000
	GADARWARA	50,00,00,000
	KUDGI	45,00,00,000
	LARA	72,00,00,000
	MOUDA-II	32,00,00,000
	SOLAPUR	45,00,00,000
	UNCHAHAR-IV	21,00,00,000
	RAMMAM	15,00,00,000
	BARH-II	18,00,00,000
	VINDHYACHAL-IV	13,00,00,000
	1	
	MOUDA-I	12,00,00,000 4,00,00,00,000

Unsecured Loan From SBI-VIII		
Source of Loan :	SBI-VIII	
Currency:	INR	
Amount of Loan :	1,00,00,00,000	
Total Drawn amount :	3,00,00,00,000	
Date of Drawl	01.01.2016	

Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	D00014-9.30%	
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 :	6 Years	
Moratorium effective from :	01.01.2016	
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	9,00,00,000
	BONGAIGOAN	22,00,00,000
	DARLIPALLI	35,00,00,000
	KUDGI-I	67,00,00,000
	LARA-I	77,00,00,000
	PAKRI BARWADIH	16,00,00,000
	TANDA-II	25,00,00,000
	TAPOVAN VISHNUGA	12,00,00,000
	UNCHAHAR STPP IV	10,00,00,000
	KHARGONE	17,00,00,000
	VINDHYACHAL-V	10,00,00,000
Total Allocated	Amount	3,00,00,00,000.00

Statement Giving Details of Project Financed through a Combination of Ioan Form 8 TRANCHE NO

Unsecured Loan From SBI-VIII		
SBI-VIII		
INR		
1,00,00,00,000		
1,50,00,00,000		
Floating		
D00015-8.25%		

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 :	6 Years		
Moratorium effective from:	29.01.2016		
Repayment Period (Inc			
Moratorium):	15 Years		
Repayment Frequency:	9 Yearly Installments		
Repayment Type :	AVG		
First Repayment Date :	31.01.2022	31.01.2022	
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate:	N.A.		
Project Code	Project Name	Amount	
	BARH-I	35,00,00,000	
	BONGAIGAON	20,00,00,000	
	DARLIPALLI	20,00,00,000	
	UNCHAHAR-IV	20,00,00,000	
	GADARWARA	20,00,00,000	
	MOUDA-II	20,00,00,000	
	BARH-II	15,00,00,000	
Total Allocated	Amount	1,50,00,00,000	

Statement Giving Details of Project Financed through a Combination of Ioan Form 8 TRANCHE NO

BF NO 3030000442	1 0000 1	D00010
Unsecured Loan From SBI-VIII		
Source of Loan:	SBI-VIII	
Currency:	INR	
Amount of Loan:	1,00,00,00,00,000	
Total Drawn amount :	1,50,00,00,000	
Date of Drawl	21.04.2016	
Interest Type :	Floating	
Fixed Interest Rate:		
Base Rate, If Floating Interest	D00018-9.30%	
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 :	6 Years	

Moratorium effective from :	21.04.2016	
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
	BONGAIGAON	70,00,00,000
	UNCHAHAR-IV	5,00,00,000
	RAMAGUNDAM R&M	15,00,00,000
	TSTPS R&M	21,00,00,000
	GANDHAR R&M	8,00,00,000
	KORBA R&M	6,00,00,000
	DADRI GAS R&M	10,00,00,000
·	UNCHAHAR R&M	5,00,00,000
	BADARPUR R&M	5,00,00,000
	KAHALGAON R&M	5,00,00,000
Total Allocated	Amount	1,50,00,00,000

Unsecured Loan From SBI-XII

BP NO 5050000741

Repayment Frequency:

Repayment Type:

D00003

SBI-XII	
INR	
50,00,00,00,000	
5,00,00,00,000	
26.03.2019	
Floating	
8.35%	
NIL	
Y/N	
Monthly	
6 Years	
26.03.2019	
15 Years	
	INR 50,00,00,00,000 5,00,00,00,000 26.03.2019 Floating 8.35% NIL Y/N Monthly 6 Years 26.03.2019

9 Yearly Installments

AVG

First Repayment Date :	31.03.2026	
Base Exchange Rate:	RUPEE	
Date of Base Exchange Rate:	N.A.	
_		
Project Code	Project Name	Amount
	BARH-I	40,00,00,000.00
	UNCHAHAR STPP IV	1,20,00,00,000.00
	LARA	30,00,00,000.00
	NORTH KARANPURA	30,00,00,000.00
	GADARWARA	60,00,00,000.00
	DARLIPALLI	41,00,00,000.00
	TANDA-II	30,00,00,000.00
	KHARGONE	60,00,00,000.00
	TELANGANA	60,00,00,000.00
	CHATTI BARIATU	5,00,00,000.00
	DULANGA	10,00,00,000.00
	TALAIPALI	10,00,00,000.00
	NCPS-FGD	4,00,00,000.00
Total Allocated	Amount	5,00,00,00,000.00

D00001

BP NO 5050000551

Unsecured Loan From SBI-X		
Source of Loan:	SBI- X	
Currency:	INR	
Amount of Loan:	40,00,00,000	
Total Drawn amount :	10,00,00,000	
Date of Drawal:	25.09.2017	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.90%	
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 :	6 Years	
Moratorium effective from:	25.09.2017	
Repayment Period (Inc		
Moratorium):	15 Years	
Repayment Frequency:	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	01.10.2024	
Base Exchange Rate :	RUPEE	

Date of Base Exchange Rate:	N.A.	
Project Code	Project Name	Amount
	BARH-I	2,40,97,00,000
	TAPOVAN VISHNUGA	55,04,00,000
	BONGAIGAON	2,11,03,00,000
	SOLAPUR	1,49,66,00,000
	LARA	48,90,00,000
	GADARWARA	76,25,00,000
	UNCHAHAR STPP IV	30,00,00,000
	NORTH KARANPURA	1,02,00,00,000
	DARLIPALLI	60,00,00,000
	TANDA-II	26,15,00,000
Total Allocated	Amount	10,00,00,00,000.00

D0004

BP NO 5050000531

Unsecured Loan From SBI-IX		
Source of Loan:	SBI-IX	
Currency:	INR	
Amount of Loan:	30,00,00,00,000	
Total Drawn amount:	2,00,00,00,000	
Date of Drawal:	01.09.2017	
Interest Type :	Floating	
Fixed Interest Rate:		
Base Rate, If Floating Interest	7.90%	
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 :	01.09.2017	
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

	UNCHAHAR STPP IV	25,00,00,000
	ROJMAL WIND	55,00,00,000
	BARH - II	5,00,00,000
	KUDGI	1,15,00,00,000
Total Allocated A	Amount	2,00,00,00,000.00

BP NO 5050000442	T00001	D00011
Unsecured Loan From SBI-VIII		
Source of Loan :	SBI-VIII	
Currency:	INR	
Amount of Loan:	1,00,00,00,00,000	
Total Drawn amount :	3,00,00,00,000	
Interest Type :	Floating	
Fixed Interest Rate:		
Base Rate, If Floating Interest	D00011-9.30%	
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 :	6 Years	
Moratorium effective from :	30.10.2015	
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	31,00,00,000
	BONGAIGOAN	30,00,00,000
	DARLIPALLI	16,00,00,000
	GADARWARA	72,00,00,000
	KHARGONE	5,00,00,000
	LARA-I	33,00,00,000
	MOUDA-II	26,00,00,000
	NORTH KARANPURA	
	TANDA-II	15,00,00,000

Total Allocated Amount	3,00,00,00,000
RAMAGUNDAM R&M	11,00,00,000
SIMHADRI-II	12,00,00,000
CHATTI BARIATU	9,00,00,000
PAKRI BARWADIH	4,00,00,000
UNCHAHAR-IV	7,00,00,000
TAPOVAN VISHNUGA	21,00,00,000

BP NO 5050000981 T00001 D00004

BP NO 5050000981	100001	D00004				
Unsecured I	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 :	16,10,00,00,000					
Date of drawl	24.08.2020					
Interest Type :	Floating					
Fixed Interest Rate :						
Base Rate, If Floating Interest	6.30%					
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 :	24.08.2020					
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-II	2,54,31,57,061				
	BONGAIGAON	2,06,81,00,000				
	CHATTI BARIATU CM	13,60,00,000				
	JETSAR SOLAR	20,00,00,000				
	KAHALGAON-II	11,43,64,133				
	KHARGONE	1,20,00,00,000				
	KOLDAM	4,54,00,000				
	KORBA-III	2,14,43,267				
	KUDGI	45,00,00,000				
	1.10001	10,00,00,00				

LARA-I	7,85,71,430
MOUDA-I	69,46,38,787
MOUDA-II	1,60,00,00,000
NORTH KARANPURA	50,00,00,000
PAKRI BARWADIH C	1,07,21,55,097
RAMMAM	50,00,00,000
RIHAND-III	20,43,00,000
SIMHADRI-II	22,70,00,000
SIPAT-I	18,57,38,787
SOLAPUR	53,79,74,298
TANDA-II	1,20,00,00,000
UNCHAHAR STPP IV	18,00,00,000
VINDHYACHAL-IV	85,83,00,000
VINDHYACHAL-V	1,48,28,57,140
Total Allocated Amount	16,10,00,00,000

BP NO 5050000421 **Unsecured Loan From HDFC Bank Ltd.-III HDFC Bank Ltd.-III** Source of Loan: Currency: **INR** 15,00,00,00,000 Amount of Loan: Total Drawn amount: 2,00,00,00,000 Date of Drawal: 11.07.2016 Interest Type: Floating Fixed Interest Rate: D00005-9.10% Base Rate, If Floating Interest Margin, If Floating Interest: **NIL** Y/N Are there any Caps/ Floor: **MONTHLY** Frequency of Intt. Payment If Above is yes, specify Caps/ Floor: Moratorium Period: 6 Years Moratorium effective from: 11.07.2016 Repayment Period (Inc. Moratorium): 15 Years Repayment Frequency: 9 Yearly Instalment Repayment Type: AVG 04.12.2021 First Repayment Date: **RUPEE** Base Exchange Rate: Date of Base Exchange Rate: N.A. **Project Name** Project Code Amount TAPOVAN VISHNUGA 9,00,00,000

SOLA	SOLAPUR			
GADA	RWARA	36,00,00,000		
UNCH	AHAR STPP IV	15,00,00,000		
NORT	H KARANPURA	4,00,00,000		
DARL	DARLIPALLI			
TAND	A-II	9,00,00,000		
ANAN	TPUR SOLAR	9,00,00,000		
MOUD	A-II	20,00,00,000		
KUDG	[31,00,00,000		
PAKR	PAKRI BARWADIH			
Total Allocated Amoun	2,00,00,00,000			

Details of Refinancing 24.08.2020

S	Rank	ROI on refinancing date	Date of refinancin	Refinanced with Bank	Refinanced Amount (Rs. In crore)	New Loan Amount (Rs. In crore)	ROI of relplace d Loan	savings	saving to be retained (Percent)	Remarks
1	Vijaya bank-VI	7.15%		HDFC Bank-IX-Rs.207Cr , Axis Bank-III-Rs. 49.50Cr	2,56,50,00,000.00	2,56,50,00,000.00	6.30%	0.85%	0.4250%	

Particulars	
Source of Loan - Bonds Series	69
Currency	INR
Amount of Loan sanctioned (In Lakh)	4,30,000
Amount of Gross Loan drawn upto COD (In L	4,30,000
Interest Type	Fixed
Fixed Interest Rate, if applicable	7.32%
Base Rate, if Floating Interest	N/A
Margin, if Floating Interest	N/A
Are there any Caps/Floor	No
If above is yes,specify caps/floor	N/A
Moratorium Period (In Years)	10
Moratorium effective from*	17-07-2019
Repayment Period	Bullet Repayment
Repayment effective from	17-07-2029
Repayment Frequency	Bullet Repayment
Repayment Instalment (In Lakh)	4,30,000
Base Exchange Rate	N/A
Door to Door Maturity (In Years)	10

Name of the Projects	69
UNCHAHAR IV	14,000.00

Particulars

	1	2	3	4	5
	4.375 % Euro Bonds 2024	4.25 % Euro Bonds 2026	2.75% Fixed Rate Notes due 2027	JPY Equ. 350Million A	JPY Equ. 350Million B
Source of Loan			-		
Drawal				15.4	15.7
Currency	USD	USD	EUR	JPY	JPY
Amount of loan sanctioned	50,00,00,000	50,00,00,000	50,00,00,000	22,52,50,59,128	16,88,99,89,866
Amount of Gross Loan drawn upto 19.03.2024	50,00,00,000	50,00,00,000	50,00,00,000	22,52,50,59,128	16,88,99,89,866
Interest Type	Fixed	Fixed	Fixed	Floating	Floating
Fixed Interest Rate, if applicable	4.375% *	4.25% *	2.75% *	-	-
Base Rate, if floating interest*	-	-	-	6 Month JPY Libor /3 Months TONA*	6 Month JPY Libor /3 Months TONA*
Margin, if floating interest rate	-	-	-	0.95%	0.95%
Are there any Caps / Floor	No	No	No	No	No
If above is Yes, specify Caps / Floor	-	-	-	-	-
Moratorium Period	10 Years	10 Years	10 Years	9 Years	9 Years
Moratorium effective from	26-Nov-2014	26-Feb-2016	01-Feb-2017	12-Nov-2017	12-Nov-2017
Repayment period	Bullet payment	Bullet payment	Bullet payment	1 year	1 year
Repayment effective from	26-Nov-2024	26-Feb-2026	01-Feb-2027	12-Nov-2026	12-Nov-2026
Repayment frequency	One time	One time	One time	Three Time	Three Time
Repayment installment	50,00,00,000	50,00,00,000	50,00,00,000	7,50,83,53,043	5,62,99,96,622
Base Exchange Rate -					
Are foreign currency loan hedged	No	No	No	No	No
If above is Yes, specify details		-	-	-	-
Name of the Projects			%	%	%
Unchahar-IV	4.07%	5.30%	4.59%	1.01%	1.28%
Unchahar-IV FGD					

FORM-8	Details of Allocation of Corporate Bonds to various projects
Name of the Company	NTPC LIMITED
Name of the Power Station	
Commercial Operation Date (COD)	

Particulars													
Source of Loan - Bonds Series	50-2A	50-3A	50-2B	50-3B	54	57	60	61	62	63	64	66	67
Currency	INR	INR	INR	INR	INR	INR	INR	INR	INR	INR	INR	INR	INR
Amount of Loan sanctioned (In Lakh)	24,994.59	31,202.76	9,139.28	39,996.81	10,30,683.05	50,000.00	1,00,000.00	1,07,250.00	80,000.00	67,000.00	70,000.00	3,92,500.00	4,00,000.00
Amount of Gross Loan drawn upto COD (In Lakh)	24,994.59	31,202.76	9,139.28	39,996.81	10,30,683.05	50,000.00	1,00,000.00	1,07,250.00	80,000.00	67,000.00	70,000.00	3,92,500.00	4,00,000.00
Interest Type	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable**	8.48%	8.66%	8.73%	8.91%	8.49%	8.19%	8.05%	8.10%	7.58%	7.47%	7.49%	7.37%	8.30%
Base Rate, if Floating Interest	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Margin, if Floating Interest	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Are there any Caps/Floor	No	No	No	No	No	No	No	No	No	No	No	No	No
If above is yes, specify caps/floor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Moratorium Period (In Years)	15	20	15	20	8	10	10	5	10	10	15	15	10
Moratorium effective from*	16-12-2013	16-12-2013	16-12-2013	16-12-2013	25-03-2015	15-12-2015	05-05-2016	27-05-2016	23-08-2016	16-09-2016	07-11-2016	14-12-2016	15-01-2019
Repayment Period	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025	Bullet Repayment	Bullet Repayment	Installments Due on 27/05/2021, 27/05/2026 & 27/05/2031	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment effective from	16-12-2028	16-12-2033	16-12-2028	16-12-2033	25-03-2023	15-12-2025	05-05-2026	27-05-2021	23-08-2026	16-09-2026	07-11-2031	14-12-2031	15-01-2029
Repayment Frequency	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025	Bullet Repayment	Bullet Repayment	Installments Due on 27/05/2021, 27/05/2026 & 27/05/2031	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment Instalment (In Lakh)	24,994.59	31,202.76	9,139.28	39,996.81	Installments 1st - 206,136.61 2nd - 412,273.22 3rd - 412,273.22	50,000.00	1,00,000.00	Installments 1st - 35,750.00 2nd - 35,750.00 3rd - 35,750.00	80,000.00	67,000.00	70,000.00	3,92,500.00	4,00,000.00
Base Exchange Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Door to Door Maturity (In Years)	15	20	15	20	10	10	10	15	10	10	15	15	10
Name of the Projects	50-2A	50-3A	50-2B	50-3B	54	57	60	61	62	63	64	66	67
Unchahar IV	2,142.39	2,674.52	783.37	3,428.30	17,400.00	4,800.00	1,800.00	5,000.00	2,800.00	3,300.00	3,500.00	14,700.00	2,500.00

Name of the Loan	From	То	Floating Rate of interest	Withholding Tax (WHT)	Applicability of Withholding Tax	Interest Basis	Financial year	WĤT)	Loan Proportion
JPY Equ. 350Million A	01-04-2019	11-04-2019	0.95933%	5.46000%	100.00000%	Act/360	2019-20	1.014735%	100%
JPY Equ. 350Million A	12-04-2019	10-10-2019	0.95700%	5.46000%	100.00000%	Act/360	2019-20	1.012270%	100%
JPY Equ. 350Million A	11-10-2019	29-02-2020	0.95000%	5.46000%	100.00000%	Act/360	2019-20	1.004866%	100%
JPY Equ. 350Million A	01-03-2020	31-03-2020	0.95000%	5.46000%	100.00000%	Act/360	2019-20	1.004866%	100%
JPY Equ. 350Million A	01-04-2020	12-04-2020	0.95000%	5.46000%	100.00000%	Act/360	2020-21	1.004866%	100%
JPY Equ. 350Million A	13-04-2020	11-10-2020	0.97417%	5.46000%	100.00000%	Act/360	2020-21	1.030432%	100%
JPY Equ. 350Million A	12-10-2020	31-03-2021	0.95000%	5.46000%	100.00000%	Act/360	2020-21	1.004866%	100%
JPY Equ. 350Million A	01-04-2021	11-04-2021	0.95000%	5.46000%	100.00000%	Act/360	2021-22	1.004866%	100%
JPY Equ. 350Million A	12-04-2021	10-10-2021	0.95000%	5.46000%	100.00000%	Act/360	2021-22	1.004866%	100%
JPY Equ. 350Million A	11-10-2021	31-03-2022	0.95000%	5.46000%	100.00000%	Act/360	2021-22	1.004866%	100%
JPY Equ. 350Million A	01-04-2022	10-04-2022	0.95000%	5.46000%	100.00000%	Act/360	2022-23	1.004866%	100%
JPY Equ. 350Million A	11-04-2022	11-07-2022	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%
JPY Equ. 350Million A	12-07-2022	11-10-2022	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%
JPY Equ. 350Million A	12-10-2022	11-01-2023	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%
JPY Equ. 350Million A	12-01-2023	31-03-2023	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%
JPY Equ. 350Million A	01-04-2023	11-04-2023	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%
JPY Equ. 350Million A	12-04-2023	11-07-2023	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%
JPY Equ. 350Million A	12-07-2023	11-10-2023	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%
JPY Equ. 350Million A	12-10-2023	11-01-2024	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%
JPY Equ. 350Million A	12-01-2024	31-03-2024	0.96342%	5.46000%	100.00000%	Act/365	2023-24	1.019061%	100%
JPY Equ. 350Million A We	ighted Average	D355rate							
JPY Equ. 350Million B	01-04-2019	11-04-2019	0.95933%	5.46000%	100.00000%	Act/360	2019-20	1.014735%	100%
JPY Equ. 350Million B	12-04-2019	10-10-2019	0.95700%	5.46000%	100.00000%	Act/360	2019-20	1.012270%	100%
JPY Equ. 350Million B	11-10-2019	29-02-2020	0.95000%	5.46000%	100.00000%	Act/360	2019-20	1.004866%	100%
JPY Equ. 350Million B	01-03-2020	31-03-2020	0.95000%	5.46000%	100.00000%	Act/360	2019-20	1.004866%	100%
JPY Equ. 350Million B	01-04-2020	12-04-2020	0.95000%	5.46000%	100.00000%	Act/360	2020-21	1.004866%	100%
JPY Equ. 350Million B	13-04-2020	11-10-2020	0.97417%	5.46000%	100.00000%	Act/360	2020-21	1.030432%	100%
JPY Equ. 350Million B	12-10-2020	31-03-2021	0.95000%	5.46000%	100.00000%	Act/360	2020-21	1.004866%	100%
JPY Equ. 350Million B	01-04-2021	11-04-2021	0.95000%	5.46000%	100.00000%	Act/360	2021-22	1.004866%	100%
JPY Equ. 350Million B	12-04-2021	10-10-2021	0.95000%	5.46000%	100.00000%	Act/360	2021-22	1.004866%	100%
JPY Equ. 350Million B	11-10-2021	31-03-2022	0.95000%	5.46000%	100.00000%	Act/360	2021-22	1.004866%	100%
JPY Equ. 350Million B	01-04-2022	10-04-2022	0.95000%	5.46000%	100.00000%	Act/360	2022-23	1.004866%	100%
JPY Equ. 350Million B	11-04-2022	11-07-2022	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%
JPY Equ. 350Million B	12-07-2022	11-10-2022	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%
JPY Equ. 350Million B	12-10-2022	11-01-2023	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%
JPY Equ. 350Million B	12-01-2023	31-03-2023	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%
JPY Equ. 350Million B	01-04-2023	11-04-2023	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%
JPY Equ. 350Million B	12-04-2023	11-07-2023	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%
JPY Equ. 350Million B	12-07-2023	11-10-2023	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%
JPY Equ. 350Million B	12-10-2023	11-01-2024	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%
JPY Equ. 350Million B	12-01-2024	31-03-2024	0.96342%	5.46000%	100.00000%	Act/365	2023-24	1.019061%	100%
JPY Equ. 350Million B We	ighted Average	rate							

BANK	ATE OF INTERES	From	То	No. of Day	Weight	WAR
State Bank of India - VIII	8.00%	01-Apr-23	13-May-23	43.00	3.44	
State Bank of India - VIII	8.10%	14-May-23	13-Aug-23		7.45	
State Bank of India - VIII	8.15%	14-Aug-23	13-Feb-24	184.00	15.00	
State Bank of India - VIII	8.20%	14-Feb-24	31-Mar-24	47.00	3.85	
				366.00	29.74	8.1262%
	·	·				
State Bank of India - IX	8.00%	01-Apr-23	13-May-23	43.00	3.44	
State Bank of India - IX	8.10%	14-May-23	13-Aug-23		7.45	
State Bank of India - IX	8.15%	14-Aug-23	13-Feb-24		15.00	
State Bank of India - IX	8.20%	14-Feb-24	31-Mar-24	47.00	3.85	
				366.00	29.74	8.1262%
State Bank of India - X	8.10%	01-Apr-23	24-Sep-23	177.00	14.34	
State Bank of India - X	8.15%	25-Sep-23	24-Dec-23		7.42	
State Bank of India - X	8.20%	25-Dec-23	31-Mar-24		8.04	
				366.00	29.79	
	<u> </u>					
State Bank of India - XII	8.00%	01-Apr-23	10-Apr-23	10.00	0.80	
State Bank of India - XII	8.10%	11-Apr-23	10-Oct-23	183.00	14.82	
State Bank of India - XII	8.15%	11-Oct-23	10-Jan-24	92.00	7.50	
State Bank of India - XII	8.20%	11-Jan-24	31-Mar-24	81.00	6.64	
				366.00	29.76	8.1320%
HDFC Bank Limited-III	8.01%	01-Apr-23	31-May-23	61.00	4.89	
HDFC Bank Limited-III	7.95%	01-Jun-23	31-Mar-24	305.00		
				366.00	29.13	7.9600%
HDFC-IX	8.01%	01-Apr-23	31-May-23	61.00	4.89	
HDFC-IX	7.95%	01-Jun-23	31-Mar-24	305.00	24.25	
				366.00	29.13	7.9600%
PNB-IV	7.90%	01-Apr-23	31-Mar-24	366.00	28.91	
	<u> </u>			366.00	28.91	7.9000%

PART-I FORM- 9A

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Unchahar Stage-IV
COD	30-09-2017
For Financial Year	2024-29 (Summary)

SI.	Head of Work /Equipment	Head of Work /Equipment ACE Claimed (Actual / Projected)						Admitted
No.		2024-25	2025-26	2026-27	2027-28	2028-29	and Justification	Cost by the
1	2	3	4	5	6	7		9
A.	Works eligble for RoE at Normal Rate							
1	Upgradation of LVS system			60.00	100.00	140.00	Diagram of a grant of the first of	
2	Balance Capitalisation of Railway Siding and MGR System(Deffered work)	100.00	400.00	700.00	350.00		Please refer respective financial Year for Regulations and Justification	
3	Balance Capitalisation of Township Package (Deffered work)		90.00	83.00			Justinication	
	Total (A)	100.00	490.00	843.00	450.00	140.00		
В.	Works eligble for Return on Equity linked to SBI MCLR	+ 350 basis	points:					
1	Ash Utilization Infrastructure		100.00	352.75	1202.50	1429.75		
2	Chlorine Dioxide plant	150.00	200.00	1000.00	443.00			
3	Dust Suppression System at Ash Dyke area			178.00	265.00	140.00		
4	Infrastructure for Enabling Biomass Co-firing	343.00	1800.00	500.00				
5	System for usage of water from sewage treatment plant		45.00	3100.00	5000.00	10000.00		
6	CCTV security surveillance system			42.00	62.50	25.00	Please refer respective financial	
7	Foot Over Bridge at WT for ensuring Safety		45.50	750.00	200.00		Year for Regulations and Justification	
8	Installation of compressor house along with associated piping for Crusher House and WT				58.00			
9	Installation of IAC with dryer/reciever tank in St-4 main plant				63.00	100.00		
10	Locoshed for Electric Loco				167.50	200.00		
11	Modification of Township Entry Gate				60.00	29.00		
12	VFD installation in CEP for Enabling Flexible Operation			500.00	1250.00	250.00		
	Total (B)	493.00	2190.50	6422.75	8771.50	12173.75		
Total	Add. Cap. Claimed (A+B)	593.00	2,680.50	7,265.75	9,221.50	12,313.75		
			,	,	- ,== 3 €	-,- : - : -	1	

(Petitioner)

Name of the Petitioner Name of the Petitioner Name of the Generating Station COD 30-09-2017 For Financial Year SI. No. Head of Work /Equipment Head of Work /Equipment Accrual basis Un-discharged Cash basis IDC Iclability Included in col. 3 Accrual basis Vastification Vastification	FORM- 9					
Name of the Petitioner Name of the Generating Station Unchahar Stage-IV COD 30-09-2017 For Financial Year SI. No. Head of Work /Equipment Accrual basis Undischarged Liability included in col. 3 1 2 3 4 5=(3-4) 6 7 8 Works eligble for RoE at Normal Rate It is submitted that the proposed expenditures pertain to the balance activities within the original scope, specifically the capitalization of deferred works related to the railway siding. The Honourable Commission has been pleased to allow these additional capital expenditure video order dated 15.04.2022 in 3/G7/2021. The majority of work has been completed earlier and however, it got delayed during execution on account of: i)IR issues / Law and order issues in the Wagon Tippler and Railway Siding Area iii)First and second waves of Covid 19 Pandemic						
Name of the Generating Station						
For Financial Year SI. No. Head of Work /Equipment IGAAP						
For Financial Year Control Cont						
SI. No. Head of Work /Equipment ACE Claimed (Projected) Accrual basis as per IGAAP I 2 3 4 5= (3-4) 6 7 8 A. Works eligble for RoE at Normal Rate It is submitted that the proposed expenditures pertain to the balance activities within the original scope, specifically the capitalization of deferred works related to the railway siding. The Honourable Commission has been pleased to allow these additional capital expenditure vide order dated 15.04.2022 in 3/GT/2021. The majority of work has been completed earlier and however,it got delayed during execution on account of: i)IR issues / Law and order issues in the Wagon Tippler and Railway Siding Area ii)First and second waves of Covid 19 Pandemic						
SI. No. Head of Work /Equipment Accrual basis as per IGAAP Included in col. 3 IDC included in col. 3 IDC daimed with collaimed support of the proposed expenditures pertain to the balance activities within the original scope, specifically the capitalization of deferred works related to the railway siding. The Honourable Commission has been pleased to allow these additional capital expenditure vide order dated 15.04.2022 in 3/GT/2021. The majority of work has been completed earlier and however, it got delayed during execution on account of: i)IR issues / Law and order issues in the Wagon Tippler and Railway Siding Area ii)First and second waves of Covid 19 Pandemic	2024-25					
No. Head of Work /Equipment Accrual basis as per IGAAP Iciability included in col. 3 1 2 3 4 5= (3-4) 6 7 A. Works eligble for RoE at Normal Rate It is submitted that the proposed expenditures pertain to the balance activities within the original scope, specifically the capitalization of deferred works related to the railway siding. The Honourable Commission has been pleased to allow these additional capital expenditure vide order dated 15.04.2022 in 3/GT/2021. The majority of work has been completed earlier and however, it got delayed during execution on account of: i)IR issues / Law and order issues in the Wagon Tippler and Railway Siding Area ii)First and second waves of Covid 19 Pandemic	unt in Rs Lakh					
Head of Work /Equipment as per IGAAP included in col. 3 claimed col. 3 1 2 3 4 5= (3-4) 6 7 8 A. Works eligible for RoE at Normal Rate It is submitted that the proposed expenditures pertain to the balance activities within the original scope, specifically the capitalization of deferred works related to the railway siding. The Honourable Commission has been pleased to allow these additional capital expenditure vide order dated 15.04.2022 in 3/GT/2021. The majority of work has been completed earlier and however,it got delayed during execution on account of: i)IR issues / Law and order issues in the Wagon Tippler and Railway Siding Area ii)First and second waves of Covid 19 Pandemic	Admitted Cost					
IGAAP included in col. 3 1 2 3 4 5= (3-4) 6 7 8 A. Works eligible for RoE at Normal Rate It is submitted that the proposed expenditures pertain to the balance activities within the original scope, specifically the capitalization of deferred works related to the railway siding. The Honourable Commission has been pleased to allow these additional capital expenditure vide order dated 15.04.2022 in 3/GT/2021. The majority of work has been completed earlier and however,it got delayed during execution on account of: ij/R issues / Law and order issues in the Wagon Tippler and Railway Siding Area ii)First and second waves of Covid 19 Pandemic	by the Commission.					
1 2 3 4 5= (3-4) 6 7 8 A. Works eligible for RoE at Normal Rate It is submitted that the proposed expenditures pertain to the balance activities within the original scope, specifically the capitalization of deferred works related to the railway siding. The Honourable Commission has been pleased to allow these additional capital expenditure vide order dated 15.04.2022 in 3/GT/2021. The majority of work has been completed earlier and however,it got delayed during execution on account of: i)IR issues / Law and order issues in the Wagon Tippler and Railway Siding Area ii)First and second waves of Covid 19 Pandemic	if any					
A. Works eligble for RoE at Normal Rate It is submitted that the proposed expenditures pertain to the balance activities within the original scope, specifically the capitalization of deferred works related to the railway siding. The Honourable Commission has been pleased to allow these additional capital expenditure vide order dated 15.04.2022 in 3/GT/2021. The majority of work has been completed earlier and however,it got delayed during execution on account of: i)IR issues / Law and order issues in the Wagon Tippler and Railway Siding Area ii)First and second waves of Covid 19 Pandemic	ii uiiy					
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the capitalization of deferred works related to the railway siding. The Honourable Commission has been pleased to allow these additional capital expenditure vide order dated 15.04.2022 in 3/GT/2021. The majority of work has been completed earlier and however, it got delayed during execution on account of: i)IR issues / Law and order issues in the Wagon Tippler and Railway Siding Area ii)First and second waves of Covid 19 Pandemic						
Balance Capitalisation of Railway Siding and MGR System(Deffered work) 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00						
Total (A) 100.00 - 100.00 -	 					

								PART-
					Year	wise Stateme	ent of Additional Capitalisation after COD	FORM- 9
				•				
Name of the Petitioner NTPC Limited								
Name of the Generating Station Unchahar Stage-IV COD 30-09-2017								
	nancial Year			2024-25				
10111				2024-23	1	1	Am	ount in Rs Lakh
SI.			ACE C	laimed (Projec	rted)	Regulations		Admitted Cos
No.		Accrual basis			IDC	under which		by the
	Head of Work /Equipment	as per	Liability		included in	claimed		Commission,
		IGAAP	included in col.		col. 3			if any
			3					
1	2	3	4	5= (3-4)	6	7	8	9
В.	Works eligble for Return	on Equity link	ed to SBI MCLR	t+ 350 basis p	oints:		Chlorine gas is being dozed directly at various stages of water treatment to maintain water quality and to inhibit	
1	Chlorine Dioxide plant	150.00		150.00		26(1)(i), 26(1)(b), and 26(1)(d)	organic growth in the water retaining structures. Chlorine gas is very hazardous and may prove fatal in case of leakage; handling and storage of same involves risk to the life of public at large. Installation of CIO2 system by replacing chlorine gas injecting system is being undertaken at all NTPC stations to enhance safety of personnel engaged in power plant operation. Work taken-up in accordance to the various provisions and objectives of the "National Disaster Management Guidelines – Chemical Disasters" which provides that industrial systems shall be continuously improved and upgraded for the prevention and management of chemical accidents. It is also pertinent that the action for insillation of CLO2 system is also in compliance with the duties necessitated for an employer (NTPC) under the clause 6(1)(a) and 6(1)(d) of "The Occupational Safety, Health and Working Conditions Code, 2020" notified by Ministry of Law & Justice, Gol vide Gazette Notification dated 29.09.2020 relevant extracts of which are reproduced below: "DUTIES OF EMPLOYER AND EMPLOYEES, ETC. 6.(1) Every employer shall: (a) ensure that workplace is free from hazards which cause or are likely to cause injury or occupational disease to the employees; (e) Provide and maintains, as far as is reasonably practicable, a working environment that is safe and without risk to the health of the employees" Some of the major benefits of installation of CLO2 system are as under (a) Avoid possible accidents due to leakage of chlorine while handling (b) Improves safety of personnel and plant & equipment (c) Increases the shelf life of water retaining structures/ equipment such as clarifiers, storage tanks, cooling towers, condenser tubes & piping etc thereby reduces the replacement cost. (d) Helps in complying with statutory direction of some states that have already made it mandatory. In view of the contribution of the said work towards enhancing system reliability, ensuring the successful and efficient operation of the plant, improving safety	
2	Infrastructure for Enabling Biomass Co-firing	343.00		343.00		26(1)(b) ,26 (1)(g) read with 19(3)(h)	The Ministry of Power (MoP) through its revised Biomass Policy dated 8th October 2021, has mandated the cofiring of biomass pellets in coal-based generating stations at a blending ratio of 5%.(Attached as Annex-A1). It is submitted that to effectively handle the increased volume of biomass pellets on a daily basis, adequate infrastructure and storage facilities are necessary at the power stations. It is further submitted that CERC regulations 2024 acknowledge this requirement and provides for the capitalization of works undertaken to establish biomass handling systems under regulation 26(1)(g). In view of the above, it is respectfully submitted that the Hon'ble Commission may allow the proposed expenditure under Section 26(1)(b) and 26(1)(g).	
	Total (B)	493.00	_	493.00	_			+
Total	Add. Cap. Claimed (A+B)	593.00	_	593.00	_	1		1

									PART-
									FORM- 9
					Year	wise Stateme	nt of Additional Capitalisation after COD		1
	of the Petitioner			NTPC Limite					
Name	of the Generating Station			Unchahar Sta	age-IV				
COD				30-09-2017					
For Fi	nancial Year			2024-25					
								Amo	ount in Rs Lakh
SI.			ACE C	aimed (Projec	ted)	Regulations	Justification		Admitted Cost
No.		Accrual basis	Un-discharged	Cash basis	IDC	under which			by the
	Head of Work /Equipment	as per	Liability		included in	claimed			Commission,
		IGAAP	included in col.		col. 3				if any
			3						
1	2	3	4	5= (3-4)	6	7	8		9
									(Petitioner)

								PART-I
					V	04-4	of Additional Conitation of the COD	FORM- 9
					rear wi	se Statement	of Additional Capitalisation after COD	
	of the Petitioner			NTPC Limited				
Name COD	of the Generating Station			Unchahar Stag	ge-IV			
	nancial Year			30-09-2017 2025-26				
10111	ianciai reai			2023-20			Δm	ount in Rs Lakh
			ACE (Claimed (Project	ted)		Alliv	Admitted Cost
SI.			Un-discharged			Regulations		by the
No.	Head of Work /Equipment		Liability	Cash basis	IDC included	under which	Justification	Commission, if
		per IGAAP	included in col.	Guo Buo.o	in col. 3	claimed		any
1	2	3	3 4	5= (3-4)	6	7	8	9
Α.	Works eligble for RoE at I		-	J= (3-4)	. 0		<u> </u>	3
1	Balance Capitalisation of Railway Siding and MGR System(Deffered work)	400.00		400.00		25(1) read with Regulation 102	Refer to justification provided in Form 9 (2024-25) for same Item	
2	Balance Capitalisation of Township Package (Deffered work)	90.00		90.00		25(1) read with Regulation 102	These expenditure pertains to balance activities under original scope, including Capitalization of deferred works related to township package. However, due to the unprecedented challenges posed by the COVID-19 pandemic, including repeated lockdowns, subsequent waves, and ongoing aftereffects, the projected work could not be completed within the original timeframe and necessitated an extension. It is essential to note that these capitalizations are not directly linked to commercial operation and are typically deferred until after the commencement of commercial operations. This prioritization ensures the unit's availability for power generation at the earliest to benefit consumers. Importantly, these non-COD related capitalizations, delayed beyond the cutoff date, do not impact interest of beneficiaries. Instead, these delayed capitalisations protect beneficiaries from upfront tariff increases and impose no additional financial burden. In light of the above, we kindly request that the Hon'ble Commission approve the proposed expenditure under Section 25(1) read with Regulation 102.	
	Total (A)	490.00	-	490.00				
В.					Works eligh	le for Return	on Equity linked to SBI MCLR+ 350 basis points:	
1	Ash Utilization Infrastructure	100.00		100.00		26-1(b), 19(2)(i)	In accordance with the Ministry of Environment, Forest and Climate Change (MOEF&CC) notification dated 31st December 2021(Attached as annexure-A2), all coal or lignite-based thermal power plants are responsible for ensuring 100% utilization of the ash generated by them in an eco-friendly manner. To comply with this mandate, various expenditures are proposed to be incurred in the instant station during tariff period 2024-29. These include the development of a Rail Ash Loading System to enhance ash utilization through the ash loading silos and transportation via the rail network, Approach road construction for facilitating ash utilization.Further, it is submitted that Hon'ble commission acknowledges the inclusion of capital expenditure on account of ash disposal and utilization in capital cost as per provision of regulation 19(2)(i). In view of this, Hon'ble Commission may be pleased to allow the same under Reg. 26(1)(b) and 19(2)(i)of Tariff Regulations 2024.	
2	Chlorine Dioxide plant	200.00		200.00		26(1)(i), 26(1)(b), and 26(1)(d)	Refer to justification provided in Form 9 (2024-25) for same Item	
3	Infrastructure for Enabling Biomass Co-firing	1,800.00		1,800.00		26(1)(b) ,26 (1)(g) read with 19(3)(h)	Refer to justification provided in Form 9 (2024-25) for same Item	

					Year wi	se Statement	of Additional Capitalisation after COD	PART-I FORM- 9
Name COD	of the Petitioner of the Generating Station inancial Year			NTPC Limited Unchahar Stag 30-09-2017 2025-26				
			ACE (Claimed (Project	ted)		Amo	unt in Rs Lakh Admitted Cost
SI. No.	Head of Work /Equipment	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	· · · ·	IDC included in col. 3	Regulations under which claimed	Justification	by the Commission, if any
1	2	3	4	5= (3-4)	6	7	8	9
4	System for usage of water from sewage treatment plant	45.00		45.00			Under Clause 6.2(5) of the Tariff Policy 2016(attached as annexure-A3), issued by the Ministry of Power, it is mandated that all thermal power plants, including existing ones within a 50 km radius of a sewage treatment plant (STP) managed by a municipality, local body, or similar organization, must prioritize the use of treated sewage water from these STPs based on their proximity. The associated costs for utilizing treated sewage water are permitted to be passed through in the tariff. The Ministry of Power, through its letter dated 04-03-2020, has further emphasized the need for STP water utilization by thermal power plants. It is further submitted that CERC regulations 2024 acknowledge this requirement and provides for the capitalization of works undertaken for usage of water from the sewage treatment plant in the thermal generating station under regulation 26(1)(f). In light of this mandate, it is necessary to undertake the proposed expenditure for compliance. In view of the above, it is respectfully submitted that the Hon'ble Commission may allow the proposed expenditure under Section 26(1)(b) and 26(1)(f).	

e Petitioner e Generating Station al Year d of Work /Equipment		Un-discharged Liability included in col.	NTPC Limited Unchahar Star 30-09-2017 2025-26 Claimed (Projec	ge-IV			
e Generating Station al Year d of Work /Equipment	Accrual basis as per IGAAP	Un-discharged Liability included in col.	Unchahar Star 30-09-2017 2025-26 Claimed (Projec	ge-IV			
al Year	Accrual basis as per IGAAP	Un-discharged Liability included in col.	30-09-2017 2025-26 Claimed (Project				
d of Work /Equipment	per IGAAP	Un-discharged Liability included in col.	Claimed (Projec	ted)			
	per IGAAP	Un-discharged Liability included in col.		ted)			
	per IGAAP	Un-discharged Liability included in col.		ted)		Amo	unt in Rs Lakl
	per IGAAP	Liability included in col.					Admitted Cos
2	3	3	Cash basis	IDC included in col. 3	Regulations under which claimed	Justification	by the Commission, any
		4	5= (3-4)	6	7	8	9
it Over Bridge at WT or ensuring Safety	45.50		45.50		26(1)(d),19(3)(e) ,26(1)(h) and 26(1)(i)	It is submitted that the recent operationalization of the wagon tipplers at this station has created an urgent need for the installation of a foot overbridge. The lack of safe and adequate access to the Wagon Tippler Control and MGR Control room during rake unloading poses significant safety concerns. Currently, both the inhaul and outhaul level crossings are obstructed by wagons during unloading, disrupting the movement of personnel and machinery across the tracks. In light of the above, the proposed expenditure has become necessary to ensure the safe and efficient movement of personnel and machinery throughout the unloading process. The implementation of the foot overbridge will facilitate the rapid unloading of wagons and improve the overall management of the fuel unloading system, thereby enhancing operational efficiency. It is further submitted that the CERC Regulations 2024 acknowledge the necessity of such expenditures and provide for the capitalization of works undertaken towards railway infrastructure and its augmentation for the transportation of coal up to the receiving end of the generating station as part of capital cost of existing project as specified under Regulation 19(3)(e) and 26(1)(h). In view of this, it is respectfully submitted that the Hon'ble Commission may approve the proposed expenditure under Sections 26(1)(d),19(3)(e),26(1)(h) and 26(1)(i)	
Total (B)	2,190.50	-	2,190.50	-			
an Claimed (A+B)	2,680.50	-	2,680.50	-			
	Total (B) . Claimed (A+B)	,	, ,	,,			transportation of coal up to the receiving end of the generating station as part of capital cost of existing project as specified under Regulation 19(3)(e) and 26(1)(h). In view of this, it is respectfully submitted that the Hon'ble Commission may approve the proposed expenditure under Sections 26(1)(d),19(3)(e),26(1)(h) and 26(1)(i) Total (B) 2,190.50 - 2,190.50 -

(Petitioner)

					<u>Year</u>	wise Stateme	ent of Additional Capitalisation after COD	PART-I FORM- 9
Name	of the Petitioner			NTPC Limite	d			
Name	of the Generating Station			Unchahar St	age-IV			
COD				30-09-2017				
For Fi	inancial Year			2026-27				
							Amo	ount in Rs Lakh
			ACE C	laimed (Projed	cted)	Regulations		Admitted Cost
SI. No.	Head of Work /Equipment	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3	under which claimed		by the Commission, if any
1	2	3	4	5= (3-4)	6	7	8	9
A.	Works eligble for RoE at I	Normal Rate						
1	Upgradation of LVS system	60.00		60.00		25(2)(a)	It is submitted that large video screens in a power plant control room are essential for enhancing operational efficiency and safety, as they provide operators with a comprehensive view of real-time data, system statuses, and critical alerts, thereby enabling quick decision-making and effective troubleshooting. LCD-based screens, commonly used for such applications, typically have a lifespan of 50,000 to 100,000 hours, or approximately 5 to 10 years under continuous operation—essential in a 24/7 power plant setting. It is further submitted that, at this station, the LCD screens have been in continuous operation since installation, even prior to commissioning, and are now approaching the end of their functional lifespan. Therefore, the replacement of these large video screen systems has become necessary, as their lifespan does not align with the overall operational life expectancy of the station. In view of this, Hon'ble Commission may be pleased to allow the same under Reg. 25(2)(a) of Tariff Regulations 2024.	
2	Balance Capitalisation of Railway Siding and MGR System(Deffered work)	700.00		700.00		25(1) read with Regulation 102	Refer to justification provided in Form 9 (2024-25) for same Item	
3	Balance Capitalisation of Township Package (Deffered work)	83.00		83.00		25(1) read with Regulation 102	Refer to justification provided in Form 9 (2025-26) for same Item	
	Total (A)	843.00		843.00	-			
B.	Works eligble for Return of	on Equity link	ed to SBI MCLR	+ 350 basis p	oints:			
1	Ash Utilization Infrastructure	352.75		352.75		19(2)(i)	Refer to justification provided in Form 9 (2025-26) for same Item	
2	Chlorine Dioxide plant	1,000.00		1,000.00		26(1)(i), 26(1)(b), and 26(1)(d)	Refer to justification provided in Form 9 (2024-25) for same Item	

					<u>Year</u>	wise Stateme	ent of Additional Capitalisation after COD	FORM- 9
Name	of the Petitioner			NTPC Limite	ed			
Name	of the Generating Station			Unchahar St	age-IV			
COD				30-09-2017				
For Fi	inancial Year			2026-27				
				L	L			ount in Rs Lakh
				laimed (Proje	cted)	Regulations	Justification	Admitted Cost
SI. No.	Head of Work /Equipment	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3	under which claimed		by the Commission, if any
1	2	3	4	5= (3-4)	6	7	8	9
3	Dust Suppression System at Ash Dyke area	178.00		178.00		26(1)(b)	It is submitted that to as per conditions stipulated in the Consent to Operate(CTO) for the instant station(attached as annexurA4), strict adherence to the Ministry of Environment, Forest, and Climate Change (MoEFCC) guidelines is required. The MoEFCC guidelines for the disposal and utilization of fly ash for land reclamation, issued in March 2019(attached as annexure-A5), mandate the installation of a dust suppression system in the ash dyke area. In light of these requirements, the projected expenditure for the instant station has become necessary. In view of the above, it is respectfully submitted that the Hon'ble Commission may allow the proposed expenditure under Section 26(1)(b)	
4	Infrastructure for Enabling Biomass Co-firing	500.00		500.00		26(1)(b) ,26 (1)(g) read with 19(3)(h)		
5	Sewer water usage system	3,100.00		3,100.00		26(1)(f) and 26(1)(b)	Refer to justification provided in Form 9 (2025-26) for same Item	
6	CCTV security surveillance system	42.00		42.00		26(1)(d)	It is submitted that a safety advisory mandating comprehensive monitoring of overhauling work and immediate action to address pulverized fuel leakage was issued by the Central Electricity Authority (CEA) on May 23, 2022 (attached as Annexure-A6). To comply with these directives, comprehensive plant process monitoring at various locations within the facility has become essential. Further it is submitted that given the extensive nature of overhauling work and unpredictable occurrence of potential leakages, maintaining thorough physical surveillance is not feasible. Therefore, centralized round-the-clock CCTV monitoring of overhauling activities and critical vulnerable areas within the main plant and the Coal Handling Plant (CHP) area is proposed for implementation. In light of this, the Hon'ble Commission is respectfully requested to allow this under Regulation 26(1)(b) and 26(1)(d) of the Tariff Regulations 2024.	
7	Foot Over Bridge at WT for ensuring Safety	750.00		750.00		26(1)(d),19(3)(e) ,26(1)(h) and 26(1)(i)	Refer to justification provided in Form 9 (2025-26) for same Item	

					Year	wise Stateme	ent of Additional Capitalisation after COD	PART-
Nama	of the Petitioner			NTPC Limite	ad .			
	of the Generating Station			Unchahar St				
COD	or the Concrating Station			30-09-2017	age iv			
	inancial Year			2026-27				
							Amo	ount in Rs Lak
			ACE C	laimed (Proje	cted)	Regulations		Admitted Cos
SI. No.	Head of Work /Equipment	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3	under which claimed		by the Commission if any
1	2	3	4	5= (3-4)	6	7	8	9
8	VFD installation in CEP for Enabling Flexible Operation	500.00		500.00		26 (1)(g) & 26 (1)(b) read with 19(3)(g)	The increased penetration of renewable energy (RE) has introduced significant fluctuations in the net electricity demand from conventional coal-based generating stations throughout the day. As RE integration grows, coal-based power plants must operate at variable loads to manage RE intermittency, which is essential for grid stability. It is submitted that that Indian coal-based plants were originally designed for base-load operations, operating at variable loads poses safety and efficiency challenges. It is submitted that, the Central Electricity Authority's (CEA) Flexible Operation of Coal-Based Thermal Power Generating Units Regulations, 2023 (attached as annexure-A7) mandates that coal-based thermal power generating units must be capable of flexible operation. The regulations further stipulate that these units should be designed or retrofitted, if necessary, to meet the flexibility requirements. In view of this, this expenditure is proposed for the installation of Variable Frequency Drive (VFD) system for CEP to enable flexible and efficient operations even at lower loads. It is submitted that the importance of VFD systems in supporting low-load operation has been acknowledged by the CEA in its report, Flexibilization of Coal-Fired Power Plants, released in February 2023. Further, it is submitted that Hon'ble commission acknowledges the inclusion of capital expenditure for enabling Flexible operation in capital cost as per provision of regulation 19(3)(g). In light of the above, it is respectfully requested that the Hon'ble Commission kindly approve the proposed capitalization under Regulation 26 (1)(g) & 26 (1)(b) read with 19(3)(g).	
Total	Total (B) Add. Cap. Claimed (A+B)	6,422.75 7,265.75	-	6,422.75 7,265.75	-			
TOTAL	Aud. Cap. Claimeu (A+B)	1,203.13		1,200.10	1	1	I .	1

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								PART-I FORM- 9
					<u>Year</u>	wise Stateme	nt of Additional Capitalisation after COD	
Name	of the Petitioner			NTPC Limite	d			
Name	of the Generating Station			Unchahar St	age-IV			
COD				30-09-2017				
For F	inancial Year			2027-28				
							Amo	unt in Rs Lakh
SI.				laimed (Projec	ted)	Regulations	Justification	Admitted Cost
No.	Head of Work /Equipment	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3	under which claimed		by the Commission, if any
1	2	3	4	5= (3-4)	6	7	8	9
Α.	Works eligble for RoE at	Normal Rate						
1	Upgradation of LVS system	100.00		100.00		25(2)(a)	Refer to justification provided in Form 9 (2026-27) for same Item	
2	Balance Capitalisation of Railway Siding and MGR System(Deffered work)	350.00		350.00		25(1) read with Regulation 102	Refer to justification provided in Form 9 (2024-25) for same Item	
	Total (A)	450.00	ı	450.00	-			
B.	Works eligble for Return	on Equity link	ed to SBI MCLR	+ 350 basis p	oints:			
1	Ash Utilization Infrastructure	1,202.50		1,202.50		26-1(b), 19(2)(i)	Refer to justification provided in Form 9 (2025-26) for same Item	
2	Chlorine Dioxide plant	443.00		443.00		26(1)(i), 26(1)(b), and 26(1)(d)	Refer to justification provided in Form 9 (2024-25) for same Item	
3	Dust Suppression System at Ash Dyke area	265.00		265.00		26(1)(b)	Refer to justification provided in Form 9 (2026-27) for same Item	
5	Sewer water usage system	5,000.00		5,000.00		26(1)(f) and 26(1)(b)	Refer to justification provided in Form 9 (2025-26) for same Item	
6	CCTV security surveillance system	62.50		62.50		26(1)(d)	Refer to justification provided in Form 9 (2026-27) for same Item	
7	Foot Over Bridge at WT for ensuring Safety	200.00		200.00		26(1)(d),19(3)(e) ,26(1)(h) and 26(1)(i)	Refer to justification provided in Form 9 (2025-26) for same Item	

								PART- FORM- 9
					<u>Year</u>	wise Stateme	ent of Additional Capitalisation after COD	
Name	of the Petitioner			NTPC Limite	ed			
Name	of the Generating Station			Unchahar St	age-IV			
COD				30-09-2017				
For Fi	inancial Year			2027-28				
							Am	ount in Rs Lakl
SI.			ACE C	Claimed (Project	cted)	Regulations	Justification	Admitted Cos
No.	Head of Work /Equipment	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash hasis	IDC included in col. 3	under which claimed		by the Commission if any
1	2	3	4	5= (3-4)	6	7	8	9
8	Installation of compressor house along with associated piping for Crusher House and WT	58.00		58.00		26 (1) (i)	It is submitted that the recent operationalization of the wagon tipplers and crusher house at this station has created a pressing need for a dedicated compressed air system to support these operations. The area is particularly susceptible to high dust exposure, necessitating frequent cleaning of various auxiliaries, including fluid couplings, vibrating screen feeder springs, and apron feeders located beneath the wagon tipplers. These components, along with their bearings, chains, and gears, require regular maintenance to prevent dust accumulation. Furthermore, the absence of a dedicated air system for maintenance has led to frequent clogging of pneumatic and solenoid valves, increasing their susceptibility to wear and tear. This lack of air supply also hampers complete drainage and obstructs necessary oil cleaning and replacement within the hydraulic systems of the wagon tipplers In light of the above considerations, it has become essential to install a dedicated compressor house. This installation will ensure a reliable compressed air supply, which is critical for effective equipment maintenance and the overall operational efficiency and reliability of the existing systems across the Stage 4 CHP facilities. In view of the above, it is respectfully submitted that the Hon'ble Commission may allow the proposed expenditure under Section 26(1)(i).	3
9	Installation of IAC with dryer/reciever tank in St-4 main plant	63.00		63.00		26 (1) (i)	It is respectfully submitted that Instant Station currently operates with only two compressors to meet its air requirements—one dedicated to instrument air and the other to service air—both requiring continuous operation. The lack of a standby compressor poses challenges in handling contingencies, such as breakdowns or planned maintenance, which makes it difficult to maintain an uninterrupted air supply and to carry out preventive maintenance on the existing units. Installing an additional screw air compressor will improve system reliability by providing a backup, thereby facilitating operational continuity and enabling consistent preventive maintenance. It is further submitted that redundant compressors play a crucial role in enhancing power plant efficiency by supporting continuous operation and minimizing the risk of disruptions. The presence of an additional standby compressor helps reduce downtime for critical air systems, thereby improving reliability for essential plant control and safety functions. Additionally, the ability to distribute the load between compressors reduces wear on each unit, extends equipment lifespan, lowers maintenance needs, and optimizes energy efficiency, resulting in greater operational stability over long term. In view of the above, it is respectfully submitted that the Hon'ble Commission may allow the proposed expenditure under Section 26(1)(i).	

								PART FORM-
					<u>Year</u>	wise Stateme	ent of Additional Capitalisation after COD	
ame	of the Petitioner			NTPC Limite	ed			
ame	of the Generating Station			Unchahar St	tage-IV			
OD				30-09-2017				
or F	inancial Year			2027-28				
								ount in Rs La
SI.			ACE C	laimed (Project	cted)	Regulations		Admitted C
No.	Head of Work /Equipment	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3	under which claimed		by the Commission if any
1	2	3	4	5= (3-4)	6	7	8	9
10	Locoshed for Electric Loco	167.50		167.50		26(1)(b),19(3)(e) and 26(1)(h).	It is submitted that, following the recent communication from the railway authorities(attached as annexure-A8), the construction of additional loco shed has become essential. This communication stipulates that the timely release of empty rakes on specific lines is contingent upon the completion of the loco shed infrastructure. Furthermore, it is submitted that the instant station being a non-pithead station, depends on Indian Railways for coal supply. Therefore, the necessary expenditure to establish the required facilities is essential to ensure uninterrupted coal supply and avoid potential disruptions due to non-compliance with the railway authorities' directives. It is further submitted that the CERC Regulations 2024 acknowledge the necessity of such expenditures and provide for the capitalization of works undertaken towards railway infrastructure and its augmentation for the transportation of coal up to the receiving end of the generating station as part of capital cost of existing project as specified under Regulation 19(3)(e) and 26(1)(h). In light of the above, we kindly request that the Hon'ble Commission approve the proposed expenditure under Section 26(1)(b),19(3)(e) and 26(1)(h).	
11	Modification of Township Entry Gate	60.00		60.00		26(1)(d)	It is submitted that the Petitioner has received a directive from the Central Industrial Security Force (CISF) under the Ministry of Home Affairs on 05-06-2024, mandating the Modification of Township Entry Gate in the instant station. The communication in this regard is attached as Annexure A9 .It is submitted that CISF is the agency responsible for fire safety and security of Plant. The anticipated expenditure under this head is projected to be incurred to enhance the safety and security of the installation in line with the above mandate. In view of this requirement, it is humbly requested that the Commission allow this expenditure under Section 26(1)(d)	
12	VFD installation in CEP for Enabling Flexible Operation Total (B)	1,250.00 8,771.50	_	1,250.00 8,771.50	-	26 (1)(g) & 26 (1)(b) read with 19(3)(g)	Refer to justification provided in Form 9 (2026-27) for same Item	
otal	Add. Cap. Claimed (A+B)	9,221.50		9,221.50	-	1		1
<u>Jul</u>	radi Cap. Glained (ATD)	3,221.30	<u> </u>	3,221.30				(Petitione

					Year	wise Stateme	ent of Additional Capitalisation after COD	PART-I FORM-9
Name	of the Petitioner			NTPC Limite	d			
	of the Generating Station			Unchahar St				
COD	or and demonating dramer.			30-09-2017	g			
	inancial Year			2028-29				
								Amount in Rs Lakh
SI.			ACE C	laimed (Projec	cted)	Regulations	Justification	Admitted Cost
No.			Un-discharged		l '	under which		by the
	Head of Work /Equipment	Accrual basis as per IGAAP	Liability included in col.	Cash basis	IDC included in col. 3	claimed		Commission, if any
1	2	3	4	5= (3-4)	6	7	8	9
A.	Works eligble for RoE at I	Normal Rate						
1	Upgradation of LVS system	140.00		140.00		25(2)(a)	Refer to justification provided in Form 9 (2026-27) for same Item	
	Total (A)	140.00	-	140.00	-			
В.	Works eligble for Return of	on Equity link	ed to SBI MCLR	+ 350 basis p	oints:			
1	Ash Utilization Infrastructure	1,429.75		1,429.75		26-1(b), 19(2)(i)	Refer to justification provided in Form 9 (2025-26) for same Item	
2	Dust Suppression System at Ash Dyke area	140.00		140.00		26(1)(b)	Refer to justification provided in Form 9 (2026-27) for same Item	
3	Sewer water usage system	10,000.00		10,000.00		26(1)(f) and 26(1)(b)	Refer to justification provided in Form 9 (2025-26) for same Item	
4	CCTV security surveillance system	25.00		25.00		26(1)(d)	Refer to justification provided in Form 9 (2026-27) for same Item	
5	Installation of IAC with dryer/reciever tank in St-4 main plant	100.00		100.00		26 (1) (i)	Refer to justification provided in Form 9 (2025-26) for same Item	
6	Locoshed for Electric Loco	200.00		200.00		26(1)(b)	Refer to justification provided in Form 9 (2027-28) for same Item	
7	Modification of Township Entry Gate	29.00		29.00		(/(/	Refer to justification provided in Form 9 (2027-28) for same Item	
8	VFD installation in CEP for Enabling Flexible Operation	250.00		250.00		26 (1)(g) & 26 (1)(b) read with 19(3)(q)	Refer to justification provided in Form 9 (2025-26) for same Item	
	Total (B)	12,173.75	-	12,173.75	_	10(0)(9)		
Total	Add. Cap. Claimed (A+B)	12,313.75	-	12,313.75	_			
		,		,,		•		•
								(Petitioner)

me of the Petitioner				NTPC Lir	nited				
me of the Generating Station					r Stage-I\	/			
te of Commercial Operation				30-09-20°	17				
			-	-				mount in	Rs Lakh
ancial Year (Starting		Actual					Admitted		
m COD)1 2024-2	5 2025-26	2026-27	2027-28	2028-29	2024-25	2025-26	2026-27	2027-28	2028-29
1 2	3	4	5	6	7	8	9	10	11
	Adc	l cap is p	roposed t	o be finar	nce in Del	ot:Equity	ratio of 7	0:30	

Calculation of Depreciation Rate NTPC Limited

Name of the Company
Name of the Power Station

Unchahar Stage-IV

SI No	Description		GB as on 01.04.2024	Depreciatio n
1	Freehold Land	0.00	0.00	0.00
2	Leasehold Land	3.34	0.00	0.00
3	Plant & Machinery	5.28	345357.15	18234.86
4	Main Plant Building	3.34	20288.78	677.65
5	S-Yard/Electrical Instalaltions	5.28	385.14	20.34
6	Residential /other Building	3.34	986.76	32.96
7	Road/Bridge	3.34	185.37	6.19
8	Water Supply	5.28	662.94	35.00
9	Furniture & Fixtures,Office Equipment	6.33	1455.17	92.11
10	MGR	5.28	4327.18	228.48
11	Communication Equip.	6.33	323.10	20.45
12	EDP,WP&SATCOM.	15.00	952.30	142.85
13	VEHICLES	9.50	1.89	0.18
14	Construction equip.	5.28	112.22	5.92
15	Temporary Constructions.	100.00	429.47	429.47
16	Hospital Equipment	5.28	96.10	5.07
17	Software	15.00	69.69	10.45
	Total		375633.27	19941.98
	Weighted Average Depreciation Rate (%)			5.309%

Petitioner

PART-I FORM- 12

Statement of Depreciation

Name of the Company : NTPC Limited
Name of the Power Station : Unchahar Stage-IV

(Amount in Rs Lakh)

S.		Existing				,	,
No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
1	Opening Capital Cost	2,87,790.45	3,10,508.88	3,11,101.88	3,13,782.38	3,21,048.13	3,30,269.63
2	Closing Capital Cost	3,10,508.88	3,11,101.88	3,13,782.38	3,21,048.13	3,30,269.63	3,42,583.38
3	Average Capital Cost	2,99,149.67	3,10,805.38	3,12,442.13	3,17,415.26	3,25,658.88	3,36,426.51
1a	*Cost of IT Equipments & Software included in (1) above	1,110.92	-	-	-	-	-
2a	*Cost of IT Equipments & Software included in (2) above	1,126.80	-	-	-	-	-
3a	*Average Cost of IT Equipments & Software	1,118.86	-	-	-	-	-
4	Freehold land	-	-	-	-	-	-
8	Rate of depreciation	5.33%	5.31%	5.31%	5.31%	5.31%	5.31%
	Depreciable value	2,69,346.59	2,79,724.84	2,81,197.92	2,85,673.73	2,93,092.99	3,02,783.86
	Balance useful life at the beginning of the period	19.50	18.50	17.50	16.50	15.50	14.50
9	Depreciation (for the period)	15,941.16	16,500.33	16,587.23	16,851.24	17,288.89	17,860.53
10	Depreciation (annualised)	15,941.16	16,500.33	16,587.23	16,851.24	17,288.89	17,860.53
11	Cumulative depreciation at the end of the period	93,472.36	1,09,884.29	1,26,471.51	1,43,322.76	1,60,611.65	1,78,472.18
12	Less: Cumulative depreciation adjustment on account of un- discharged liabilities deducted as on 01.04.2009						
13	Add: Cumulative depreciation adjustment on account of liability Discharge						
14	Less: Cumulative depreciation adjustment on account of decapitalisation	88.41					
15	Net Cumulative depreciation at the end of the period after adjustments	93,383.95	1,09,884.29	1,26,471.51	1,43,322.76	1,60,611.65	1,78,472.18

*to be provided at the time of truing up.

(Petitioner)

	Calculation of Interest on Actual Loans			FORM-13		
	Calculation of interest on Actual Loans			1 OKW-13		
Name	e of the Company	NTPC LTD.				
	of the Power Station	FGUTPS-IV				
					(A	mount in lacs
SI. no.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	4.375% Euro Bonds 2024	202120	2020 20	2020 2.	202. 20	2020 20
	Gross loan - Opening	13,417.60	13,417.60	13,417.60	13,417.60	13,417.60
	Cumulative repayments of Loans upto previous period	-	13,417.60	13,417.60	13,417.60	13,417.60
	Net loan - Opening	13,417.60	-	-	-	-
	Increase/ Decrease due to FERV	-	-	-	-	-
	Increase/ Decrease due to ACE/Drawl during the period Total	13.417.60	-	-	-	<u> </u>
	Repayments of Loans during the period	13,417.60	-		-	
	Net loan - Closing	-	-	-	_	_
	Average Net Loan	6,708.80	-	-	-	-
	Rate of Interest on Loan	4.6277%	4.6277%	4.6277%	4.6277%	4.6277%
	Interest on Loan Annualised	310.46	-	-	-	-
2	4.25% Euro Bonds 2026					
	Gross loan - Opening	17,455.56	17,455.56	17,455.56	17,455.56	17,455.56
	Cumulative repayments of Loans upto previous period	-	-	17,455.56	17,455.56	17,455.56
	Net loan - Opening	17,455.56	17,455.56	-	-	-
	Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period	-	-	-	-	
	Total	17,455.56	- 17,455.56	-	-	<u> </u>
	Repayments of Loans during the period	17,433.30	17,455.56	-	-	<u> </u>
	Net loan - Closing	17,455.56	-	-	_	-
	Average Net Loan	17,455.56	8,727.78	-	-	-
	Rate of Interest on Loan	4.4955%	4.4955%	4.4955%	4.4955%	4.4955%
	Interest on Loan Annualised	784.71	392.36	-	-	-
3	2.75% Euro Bonds 2027	47.077.00	47.077.00	47.077.00	47.077.00	47.077.00
	Gross loan - Opening	17,877.06	17,877.06	17,877.06	17,877.06 17,877.06	17,877.06
	Cumulative repayments of Loans upto previous period Net Ioan - Opening	17,877.06	17,877.06	17,877.06	17,077.00	17,877.06
	Increase/ Decrease due to FERV	-	-	-	_	_
	Increase/ Decrease due to ACE/Drawl during the period	-	-	-	-	-
	Total	17,877.06	17,877.06	17,877.06	-	-
	Repayments of Loans during the period	-	-	17,877.06	-	-
	Net loan - Closing	17,877.06	17,877.06	- 0.000.50	-	-
	Average Net Loan Rate of Interest on Loan	17,877.06 2.9088%	17,877.06 2.9088%	8,938.53 2.9088%	2.9088%	2.9088%
	Interest on Loan Annualised	520.01	520.01	260.00	2.906676	2.906676
	Interest on Loan Armanised	320.01	320.01	200.00	_	
4	JPY Equivalent USD 350 Million Loan - A					
	Gross loan - Opening	1,315.86	1,315.86	1,315.86	1,315.86	1,315.86
	Cumulative repayments of Loans upto previous period	-	-	-	438.62	877.24
	Net loan - Opening	1,315.86	1,315.86	1,315.86	877.24	438.62
	Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period		-	-	-	
	Total	1,315.86	- 1,315.86	1,315.86	- 877.24	438.62
	Repayments of Loans during the period	1,313.00	1,010.00	438.62	438.62	438.62
	Net loan - Closing	1,315.86	1,315.86	877.24	438.62	-
	Average Net Loan	1,315.86	1,315.86	1,096.55	657.93	219.31
	Rate of Interest on Loan	1.0191%	1.0191%	1.0191%	1.0191%	0.0000%
	Interest on Loan Annualised	13.41	13.41	11.17	6.70	-
5	JPY Equivalent USD 350 Million Loan - B	4.004.00	4.004.00	4.004.00	4.004.00	4.004.00
	Gross loan - Opening Cumulative repayments of Loans upto previous period	1,224.92	1,224.92	1,224.92	1,224.92	1,224.92
	Net loan - Opening	1,224.92	- 1,224.92	1,224.92	408.31 816.61	816.61 408.31
	Increase/ Decrease due to FERV	1,224.92	1,224.92	1,224.92	-	406.31
	Increase/ Decrease due to ACE/Drawl during the period	-	-	-	-	-
	Total	1,224.92	1,224.92	1,224.92	816.61	408.31
	Repayments of Loans during the period	-	-	408.31	408.31	408.31
	Net loan - Closing	1,224.92	1,224.92	816.61	408.31	-
	Average Net Loan	1,224.92	1,224.92	1,020.76	612.46	204.15
	Rate of Interest on Loan Interest on Loan Annualised	1.0191% 12.48	1.0191% 12.48	1.0191% 10.40	1.0191% 6.24	0.0000%
	Interest on Loan Annualised	12.40	12.40	10.40	0.24	<u> </u>

	Calculation of Interest on Actual Loans			FORM-13		
	(4)	NTD0 TD				
	of the Company of the Power Station	NTPC LTD. FGUTPS-IV				
taine o	The Fower Station	10011011			(A	mount in lacs
	- · ·					
. no.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
	IDFC BANK-III repayment from 04.12.2021 Gross loan - Opening	1,500.00	1,500.00	1,500.00	1,500.00	1,500.0
	Cumulative repayments of Loans upto previous period	500.00	666.67	833.33	1,000.00	1,166.6
N	let loan - Opening	1,000.00	833.33	666.67	500.00	333.3
In	ncrease/ Decrease due to FERV	-	-	-	-	-
	ncrease/ Decrease due to ACE/Drawl during the period	-	-	-	-	-
	otal	1,000.00	833.33	666.67	500.00	333.3
	tepayments of Loans during the period let loan - Closing	166.67 833.33	166.67 666.67	166.67 500.00	166.67 333.33	166.6 166.6
	verage Net Loan	916.67	750.00	583.33	416.67	250.0
	Late of Interest on Loan	7.9500%	7.9500%	7.9500%	7.9500%	7.9500
In	nterest on Loan Annualised	72.88	59.63	46.38	33.13	19.8
7 9	BI VIII Total repayment from 31.01.2022 -9Y					
	Gross loan - Opening	17,000.00	17,000.00	17,000.00	17,000.00	17,000.0
	Cumulative repayments of Loans upto previous period	5,666.67	7,555.56	9,444.44	11,333.33	13,222.2
N	let loan - Opening	11,333.33	9,444.44	7,555.56	5,666.67	3,777.7
	ncrease/ Decrease due to FERV	-	-	-	-	-
	ncrease/ Decrease due to ACE/Drawl during the period	-	-	- 7.555.50	-	- 0 777 7
	otal Repayments of Loans during the period	11,333.33 1,888.89	9,444.44 1,888.89	7,555.56 1,888.89	5,666.67 1,888.89	3,777.7 1,888.8
	let loan - Closing	9,444.44	7,555.56	5.666.67	3,777.78	1,888.8
	verage Net Loan	10,388.89	8,500.00	6,611.11	4,722.22	2,833.3
	late of Interest on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000
In	nterest on Loan Annualised	851.89	697.00	542.11	387.22	232.3
8 S	tate Bank of India-IX					
	Gross Ioan - Opening	2,500.00	2,500.00	2,500.00	2,500.00	2,500.0
С	Cumulative repayments of Loans upto previous period	833.33	1,388.89	1,666.67	1,944.44	2,222.2
	let loan - Opening	1,666.67	1,111.11	833.33	555.56	277.7
	ncrease/ Decrease due to FERV	-	-	-	-	-
	ncrease/ Decrease due to ACE/Drawl during the period fotal	1,666.67	- 1,111.11	833.33	555.56	277.7
	lepayments of Loans during the period	555.56	277.78	277.78	277.78	277.7
	let loan - Closing	1,111.11	833.33	555.56	277.78	-
	verage Net Loan	1,388.89	972.22	694.44	416.67	138.8
	ate of Interest on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000
In	nterest on Loan Annualised	113.89	79.72	56.94	34.17	11.3
9 S	tate Bank of India-X (Repayment from 01.10.2024)					
	Gross Ioan - Opening	3,000.00	3,000.00	3,000.00	3,000.00	3,000.0
	cumulative repayments of Loans upto previous period	-	333.33	666.67	1,000.00	1,333.3
	let loan - Opening ncrease/ Decrease due to FERV	3,000.00	2,666.67	2,333.33	2,000.00	1,666.6
	ncrease/ Decrease due to FERV	-	-	-		
	otal	3,000.00	2,666.67	2,333.33	2,000.00	1,666.6
	Repayments of Loans during the period	333.33	333.33	333.33	333.33	333.3
	let loan - Closing	2,666.67	2,333.33	2,000.00	1,666.67	1,333.3
	verage Net Loan	2,833.33	2,500.00	2,166.67	1,833.33	1,500.0
	tate of Interest on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000
III	nterest on Loan Annualised	232.33	205.00	177.67	150.33	123.0
46 -						
	runjab National Bank D1 IV 9 yearly Repayment from 01.02 Bross loan - Opening	6,500.00	6,500.00	6,500.00	6,500.00	6,500.0
	Cumulative repayments of Loans upto previous period	1,444.44	2,166.67	2,888.89	3,611.11	4,333.3
	let loan - Opening	5,055.56	4,333.33	3,611.11	2,888.89	2,166.6
In	ncrease/ Decrease due to FERV	-	-	-	-	-
	ncrease/ Decrease due to ACE/Drawl during the period	-	-	-	-	-
	otal	5,055.56	4,333.33	3,611.11	2,888.89	2,166.6
	Repayments of Loans during the period	722.22	722.22	722.22	722.22	722.2
	let loan - Closing	4,333.33	3,611.11	2,888.89	2,166.67	1,444.4
	verage Net Loan Late of Interest on Loan	4,694.44 7.9000%	3,972.22 7.9000%	3,250.00 7.9000%	2,527.78 7.9000%	1,805.5 7.9000
	nterest on Loan Annualised	370.86	313.81	256.75	199.69	142.6
100	nords on Louis Annualious	370.00	313.01	200.10	199.09	172.0

	Calculation of Interest on Actual Loans			FORM-13		
N	- file O-man	NITRO I TR				
	of the Company	NTPC LTD. FGUTPS-IV				
INAME	of the Power Station	FG01F3-IV			(Aı	mount in lacs)
					(
SI. no.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
11	SBI XII Total repayment from 31.03.2026 -9Y					
	Gross Ioan - Opening	12,000.00	12,000.00	12,000.00	12,000.00	12,000.00
	Cumulative repayments of Loans upto previous period Net loan - Opening	-	-	1,333.33	2,666.67	4,000.00
	Increase/ Decrease due to FERV	12,000.00	12,000.00	10,666.67	9,333.33	8,000.00
	Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period	_		-	-	
	Total	12,000.00	12,000.00	10,666.67	9,333.33	8,000.00
	Repayments of Loans during the period	-	1,333.33	1,333.33	1,333.33	1,333.33
	Net loan - Closing	12,000.00	10,666.67	9,333.33	8,000.00	6,666.67
	Average Net Loan	12,000.00	11,333.33	10,000.00	8,666.67	7,333.33
	Rate of Interest on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%
	Interest on Loan Annualised	984.00	929.33	820.00	710.67	601.33
12	HDFC-IX D4 (Refinaned of Vijaya Bank VI)	4 000 00	4.000.00	4.000.00	4 000 00	4 000 00
	Gross Ioan - Opening Cumulative repayments of Loans upto previous period	1,800.00	1,800.00	1,800.00	1,800.00	1,800.00
	Net loan - Opening	1.800.00	1,800.00	1,800.00	1,800.00	1,800.00
	Increase/ Decrease due to FERV	1,000.00	1,800.00	1,800.00	1,000.00	1,800.00
	Increase/ Decrease due to ACE/Drawl during the period	-	-	-	-	-
	Total	1,800.00	1,800.00	1,800.00	1,800.00	1,800.00
	Repayments of Loans during the period	-	-	-	-	-
	Net loan - Closing	1,800.00	1,800.00	1,800.00	1,800.00	1,800.00
	Average Net Loan	1,800.00	1,800.00	1,800.00	1,800.00	1,800.00
	Rate of Interest on Loan Interest on Loan Annualised	8.3750% 150.75	8.3750% 150.75	8.3750% 150.75	8.3750% 150.75	8.3750% 150.75
	Interest on Loan Annualised	150.75	150.75	150.75	150.75	150.75
13	Bonds- 50 2A -repayment on 16.12.2028					
	Gross loan - Opening	2,142.39	2,142.39	2,142.39	2,142.39	2,142.39
	Cumulative repayments of Loans upto previous period		-			
	Net loan - Opening	2,142.39	2,142.39	2,142.39	2,142.39	2,142.39
	Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period	-	-	-	-	-
	Total	2,142.39	2,142.39	2,142.39	2,142.39	2,142.39
	Repayments of Loans during the period	2,142.00	2,142.00	-	-	2,142.39
	Net loan - Closing	2,142.39	2,142.39	2,142.39	2,142.39	-,::2:00
	Average Net Loan	2,142.39	2,142.39	2,142.39	2,142.39	1,071.20
	Rate of Interest on Loan	8.5100%	8.5100%	8.5100%	8.5100%	8.5100%
	Interest on Loan Annualised	182.32	182.32	182.32	182.32	91.16
14	Bonds- 50 3A -repayment on 16.12.2033	0.074.50	0.074.50	0.074.50	0.074.50	0.074.50
	Gross loan - Opening Cumulative repayments of Loans upto previous period	2,674.52	2,674.52	2,674.52	2,674.52	2,674.52
	Net loan - Opening	2,674.52	2,674.52	2,674.52	2,674.52	2,674.52
	Increase/ Decrease due to FERV	2,074.32	2,074.32	2,074.32	2,074.32	2,074.32
	Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period	-	-	-	-	
	Total	2,674.52	2,674.52	2,674.52	2,674.52	2,674.52
	Repayments of Loans during the period	· -	-	-	-	-
	Net loan - Closing	2,674.52	2,674.52	2,674.52	2,674.52	2,674.52
	Average Net Loan	2,674.52	2,674.52	2,674.52	2,674.52	2,674.52
	Rate of Interest on Loan	8.6900%	8.6900%	8.6900%	8.6900%	8.6900%
	Interest on Loan Annualised	232.42	232.42	232.42	232.42	232.42
15	Bonds- 50 2B-repayment on 16.12.2028					
13	Gross loan - Opening	783.37	783.37	783.37	783.37	783.37
	Cumulative repayments of Loans upto previous period	-	-	-	-	- 30.01
	Net loan - Opening	783.37	783.37	783.37	783.37	783.37
	Increase/ Decrease due to FERV	-	-	-	-	-
	Increase/ Decrease due to ACE/Drawl during the period	-	-	-	-	-
	Total	783.37	783.37	783.37	783.37	783.37
	Repayments of Loans during the period	-	-	- 1	- 1	783.37
	Net loan - Closing	783.37	783.37	783.37	783.37	-
	Average Net Loan	783.37	783.37	783.37	783.37	391.69

	Calculation of Interest on Actual Loans			FORM-13		
	of the Company of the Power Station	NTPC LTD. FGUTPS-IV				
Name	of the Power Station	FGUTPS-IV			(An	nount in lacs
SI. no.	Particulars Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
	Rate of Interest on Loan Interest on Loan Annualised	8.7600% 68.62	8.7600% 68.62	8.7600% 68.62	8.7600% 68.62	8.7600% 34.31
16	Bonds- 50 3B- repayment on 16.12.2033 Gross loan - Opening	3.428.30	3,428.30	3,428.30	3,428.30	3,428.30
	Cumulative repayments of Loans upto previous period	-	-	-	-	-
	Net loan - Opening	3,428.30	3,428.30	3,428.30	3,428.30	3,428.30
	Increase/ Decrease due to FERV	-	-	-	-	-
	Increase/ Decrease due to ACE/Drawl during the period Total	2 429 20	2 429 20	2 429 20	- 2 429 20	2 420 20
	Repayments of Loans during the period	3,428.30	3,428.30	3,428.30	3,428.30	3,428.30
	Net loan - Closing	3,428.30	3,428.30	3,428.30	3,428.30	3,428.30
	Average Net Loan	3,428.30	3,428.30	3,428.30	3,428.30	3,428.30
	Rate of Interest on Loan	8.9400%	8.9400%	8.9400%	8.9400%	8.9400%
	Interest on Loan Annualised	306.49	306.49	306.49	306.49	306.49
17	Bonds 54 Repayment on 25.03.2023					
	Gross loan - Opening	17,400.00	17,400.00	17,400.00	17,400.00	17,400.00
	Cumulative repayments of Loans upto previous period	10,440.00	17,400.00	17,400.00	17,400.00	17,400.00
	Net loan - Opening Increase/ Decrease due to FERV	6,960.00	-		-	-
	Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period		-	-		<u> </u>
	Total	6,960.00	-	-	-	-
	Repayments of Loans during the period	6,960.00	-	-	-	-
	Net loan - Closing	-	-	-	-	-
	Average Net Loan	3,480.00	-	-	-	-
	Rate of Interest on Loan	8.5200%	8.5200%	8.5200%	8.5200%	8.5200%
	Interest on Loan Annualised	296.50	-	-	-	-
18	Bonds 57 Repayment on 15.12.2025					
	Gross Ioan - Opening	4,800.00	4,800.00	4,800.00	4,800.00	4,800.00
	Cumulative repayments of Loans upto previous period	-	-	4,800.00	4,800.00	4,800.00
	Net loan - Opening	4,800.00	4,800.00	-	-	-
	Increase/ Decrease due to FERV	-	-	-	-	-
	Increase/ Decrease due to ACE/Drawl during the period Total	4 900 00	4 900 00	-		
	Repayments of Loans during the period	4,800.00	4,800.00 4,800.00	-	-	
	Net loan - Closing	4,800.00	-,000.00	-	-	_
	Average Net Loan	4,800.00	2,400.00	-	-	-
	Rate of Interest on Loan	8.2200%	8.2200%	8.2200%	8.2200%	8.2200%
	Interest on Loan Annualised	394.56	197.28	-	-	-
19	Bonds 60 Repayment on 05.05.2026	1 000 00	4 000 00	4 000 00	4.000.00	4 000 00
	Gross loan - Opening Cumulative repayments of Loans upto previous period	1,800.00	1,800.00	1,800.00	1,800.00 1,800.00	1,800.00 1,800.00
	Net loan - Opening	1,800.00	1,800.00	1,800.00	1,800.00	1,800.00
	Increase/ Decrease due to FERV	- 1,500.00	-		-	-
	Increase/ Decrease due to ACE/Drawl during the period	-	-	-	-	-
	Total	1,800.00	1,800.00	1,800.00	-	-
	Repayments of Loans during the period	-	-	1,800.00	-	-
	Net loan - Closing	1,800.00	1,800.00	- 000.00	-	-
	Average Net Loan Rate of Interest on Loan	1,800.00 8.0800%	1,800.00 8.0800%	900.00	8.0800%	8.0800%
	Interest on Loan Annualised	145.44	145.44	72.72	-	-
20	Bonds 61 Repayment on 27.05.2021/26/31					
20	Gross loan - Opening	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	Cumulative repayments of Loans upto previous period	1,666.67	1,666.67	1,666.67	3,333.33	3,333.33
	Net loan - Opening	3,333.33	3,333.33	3,333.33	1,666.67	1,666.67
	Increase/ Decrease due to FERV	<u> </u>				-
	Increase/ Decrease due to ACE/Drawl during the period	-	-	-	-	-
	Total	3,333.33	3,333.33	3,333.33	1,666.67	1,666.67
	Repayments of Loans during the period	-	-	1,666.67	-	-

	Calculation of Interest on Actual Loans			FORM-13		
Nome	of the Company	NTPC LTD.				
	of the Company of the Power Station	FGUTPS-IV				
141110	of the Fower station	10011011			(An	nount in lacs
. no.	Particulars Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
	Net loan - Closing	3,333.33 3,333.33	3,333.33 3,333.33	1,666.67	1,666.67	1,666.67
	Average Net Loan Rate of Interest on Loan	8.1300%	8.1300%	2,500.00 8.1300%	1,666.67 8.1300%	1,666.67 8.13009
	Interest on Loan Annualised	271.00	271.00	203.25	135.50	135.50
21	Bonds 62 Repayment on 23.08.2026					
	Gross loan - Opening	2,800.00	2,800.00	2,800.00	2,800.00	2,800.00
	Cumulative repayments of Loans upto previous period	- 0.000.00	-	-	2,800.00	2,800.00
	Net loan - Opening Increase/ Decrease due to FERV	2,800.00	2,800.00	2,800.00		<u> </u>
	Increase/ Decrease due to PERV Increase/ Decrease due to ACE/Drawl during the period		-			
	Total	2,800.00	2,800.00	2,800.00	-	-
	Repayments of Loans during the period	-	-	2,800.00	-	-
	Net loan - Closing	2,800.00	2,800.00	-	-	-
	Average Net Loan	2,800.00	2,800.00	1,400.00		
	Rate of Interest on Loan	7.6100%	7.6100%	7.6100%	7.6100%	7.6100%
	Interest on Loan Annualised	213.08	213.08	106.54	-	-
22	Bonds 63 Repayment on 16.09.2026					
	Gross loan - Opening	3,300.00	3,300.00	3,300.00	3,300.00	3,300.00
	Cumulative repayments of Loans upto previous period	-	-	-	3,300.00	3,300.00
	Net loan - Opening	3,300.00	3,300.00	3,300.00	-	-
	Increase/ Decrease due to FERV	-	-	-	-	-
	Increase/ Decrease due to ACE/Drawl during the period	-	-	-	-	-
	Total Repayments of Loans during the period	3,300.00	3,300.00	3,300.00 3,300.00		-
	Net loan - Closing	3,300.00	3,300.00	3,300.00		
	Average Net Loan	3,300.00	3,300.00	1,650.00	-	-
	Rate of Interest on Loan	7.5000%	7.5000%	7.5000%	7.5000%	7.5000%
	Interest on Loan Annualised	247.50	247.50	123.75	-	-
22	Donds C4 Donoviment on 07 14 2024					
23	Bonds 64 Repayment on 07.11.2031 Gross Ioan - Opening	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00
	Cumulative repayments of Loans upto previous period	3,300.00	3,300.00	3,300.00	3,300.00	- 5,500.00
	Net loan - Opening	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00
	Increase/ Decrease due to FERV	-		· -	-	-
	Increase/ Decrease due to ACE/Drawl during the period	-	-	-	-	-
	Total	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00
	Repayments of Loans during the period Net loan - Closing	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00
	Average Net Loan	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00
	Rate of Interest on Loan	7.5200%	7.5200%	7.5200%	7.5200%	7.52009
	Interest on Loan Annualised	263.20	263.20	263.20	263.20	263.20
24	Bonds 66 Repayment on 14.12.2031					
	Gross loan - Opening	14,700.00	14,700.00	14,700.00	14,700.00	14,700.00
	Cumulative repayments of Loans upto previous period		-	-	-	-
	Net loan - Opening Increase/ Decrease due to FERV	14,700.00	14,700.00	14,700.00	14,700.00	14,700.00
	Increase/ Decrease due to PERV Increase/ Decrease due to ACE/Drawl during the period					
	Total	14,700.00	14,700.00	14,700.00	14,700.00	14,700.0
	Repayments of Loans during the period	-	-	-	-	-
	Net loan - Closing	14,700.00	14,700.00	14,700.00	14,700.00	14,700.0
	Average Net Loan	14,700.00	14,700.00	14,700.00	14,700.00	7 4000
	Rate of Interest on Loan Interest on Loan Annualised	7.4000% 1,087.80	7.4000% 1,087.80	7.4000% 1,087.80	7.4000% 1,087.80	7.40009 1,087.80
	mic. oct on Edul / illindillood	1,007.00	1,507.00	1,507.00	1,507.00	1,007.0
25	Bonds 67 Repayment on 15.01.2029					
	Gross Ioan - Opening	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
	Cumulative repayments of Loans upto previous period Net loan - Opening	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
	Increase/ Decrease due to FERV	2,300.00	2,500.00	2,500.00	2,500.00	2,500.00
	Increase/ Decrease due to ACE/Drawl during the period	-	-	-	- +	-
	Total	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00

	Calculation of Interest on Actual Loans			FORM-13		
	Calculation of interest on Actual Loans			1 OKW-13		
Name	e of the Company	NTPC LTD.				
	e of the Power Station	FGUTPS-IV				
					(Aı	mount in lacs)
1	Danticulare	2024.25	2025 20	2020 27	2027 20	2020.20
SI. no.		2024-25	2025-26	2026-27	2027-28	2028-29
	Repayments of Loans during the period Net loan - Closing	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
	Average Net Loan	2,500.00	2,500.00	2,500.00	2,500.00	1,250.00
	Rate of Interest on Loan	8.3300%	8.3300%	8.3300%	8.3300%	8.3300%
	Interest on Loan Annualised	208.25	208.25	208.25	208.25	104.13
26	Bonds 69 Repayment on 17.07.2029					
	Gross loan - Opening	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00
	Cumulative repayments of Loans upto previous period	-	-	-	-	-
	Net loan - Opening	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00
	Increase/ Decrease due to FERV	-	-	-	-	-
	Increase/ Decrease due to ACE/Drawl during the period	-	-	-	-	-
	Total	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00
-	Repayments of Loans during the period Net loan - Closing	14,000.00	14,000.00	14,000.00	14.000.00	14,000.00
-	Average Net Loan	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00
l	Rate of Interest on Loan	7.3500%	7.3500%	7.3500%	7.3500%	7.3500%
	Interest on Loan Annualised	1,029.00	1,029.00	1,029.00	1,029.00	1,029.00
	Interest on Loan Annualised	1,023.00	1,023.00	1,023.00	1,023.00	1,023.00
	TOTAL LOAN					
	Gross loan - Opening	2,10,768.21	2,10,768.21	2,10,768.21	2,10,768.21	2,10,768.21
	Cumulative repayments of Loans upto previous period	56,899.75	80,944.02	1,07,921.80	1,40,934.67	1,46,503.82
	Net loan - Opening	1,53,868.46	1,29,824.19	1,02,846.41	69,833.54	64,264.39
	Increase/ Decrease due to FERV	-	· · ·		· -	
	Increase/ Decrease due to ACE/Drawl during the period	-	-	-	-	-
	Total	1,53,868.46	1,29,824.19	1,02,846.41	69,833.54	64,264.39
	Repayments of Loans during the period	24,044.27	26,977.78	33,012.88	5,569.15	10,994.91
	Net loan - Closing	1,29,824.19	1,02,846.41	69,833.54	64,264.39	53,269.49
	Average Net Loan	1,41,846.33	1,16,335.30	86,339.98	67,048.97	58,766.94
	Rate of Interest on Loan	6.6014%	6.7270%	7.2001%	7.7443%	7.7685%
	Interest on Loan Annualised	9,363.85	7,825.89	6,216.53	5,192.50	4,565.32
	SBI VIII D-4 repayment from 31.01.2022 -9Y					
	Gross loan - Opening	4,100.00	4,100.00	4,100.00	4,100.00	4,100.00
	Cumulative repayments of Loans upto previous period	1,366.67	1,822.22	2,277.78	2,733.33	3,188.89
	Net loan - Opening	2,733.33	2,277.78	1,822.22	1,366.67	911.11
	Increase/ Decrease due to FERV	-	-	<i>-</i>	-	-
	Increase/ Decrease due to ACE	-	-	-	-	-
	Total	2,733.33	2,277.78	1,822.22	1,366.67	911.11
	Repayments of Loans during the period	455.56	455.56	455.56	455.56	455.56
	Net loan - Closing	2,277.78	1,822.22	1,366.67	911.11	455.56
	Average Net Loan	2,505.56	2,050.00	1,594.44	1,138.89	683.33
	Rate of Interest on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%
	Interest on Loan Annualised	205.46	168.10	130.74	93.39	56.03
	SBI VIII D-5 repayment from 31.01.2022 -9Y	+				
	Gross loan - Opening	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
	Cumulative repayments of Loans upto previous period	666.67	888.89	1,111.11	1,333.33	1,555.56
	Net loan - Opening	1,333.33	1,111.11	888.89	666.67	444.44
	Increase/ Decrease due to FERV	-	´ -	-	-	-
	Increase/ Decrease due to ACE	-	-	-	-	-
	T-1-1	1,333.33	1,111.11	888.89	666.67	444.44
	Total			000.00	222.22	222.22
	Repayments of Loans during the period	222.22	222.22	222.22		
	Repayments of Loans during the period Net loan - Closing	222.22 1,111.11	888.89	666.67	444.44	222.22
	Repayments of Loans during the period Net Ioan - Closing Average Net Loan	222.22 1,111.11 1,222.22	888.89 1,000.00	666.67 777.78	444.44 555.56	222.22 333.33
	Repayments of Loans during the period Net Ioan - Closing Average Net Loan Rate of Interest on Loan	222.22 1,111.11 1,222.22 8.2000%	888.89 1,000.00 8.2000%	666.67 777.78 8.2000%	444.44 555.56 8.2000%	222.22 333.33 8.2000%
	Repayments of Loans during the period Net Ioan - Closing Average Net Loan	222.22 1,111.11 1,222.22	888.89 1,000.00	666.67 777.78	444.44 555.56	222.22 333.33
	Repayments of Loans during the period Net Ioan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised	222.22 1,111.11 1,222.22 8.2000%	888.89 1,000.00 8.2000%	666.67 777.78 8.2000%	444.44 555.56 8.2000%	222.22 333.33 8.2000%
	Repayments of Loans during the period Net Ioan - Closing Average Net Loan Rate of Interest on Loan	222.22 1,111.11 1,222.22 8.2000%	888.89 1,000.00 8.2000%	666.67 777.78 8.2000%	444.44 555.56 8.2000%	222.22 333.33 8.2000%

	Calculation of Interest on Actual Loans			FORM-13		
	of the Company	NTPC LTD.				
Name	of the Power Station	FGUTPS-IV				
					(Ar	nount in lacs)
il. no.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
	Cumulative repayments of Loans upto previous period	800.00	1,066.67	1,333.33	1,600.00	1,866.67
	Net loan - Opening	1,600.00	1,333.33	1,066.67	800.00	533.33
	Increase/ Decrease due to FERV	-	-	-	-	-
	Increase/ Decrease due to ACE	-	-	-	-	-
	Total	1,600.00	1,333.33	1,066.67	800.00	533.33
	Repayments of Loans during the period	266.67	266.67	266.67	266.67	266.67
	Net loan - Closing	1,333.33	1,066.67	800.00	533.33	266.67
	Average Net Loan	1,466.67	1,200.00	933.33	666.67	400.00
	Rate of Interest on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%
	Interest on Loan Annualised	120.27	98.40	76.53	54.67	32.80
	SBI VIII D-8 repayment from 31.01.2022 -9Y					
	Gross loan - Opening	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Cumulative repayments of Loans upto previous period	333.33	444.44	555.56	666.67	777.78
	Net loan - Opening	666.67	555.56	444.44	333.33	222.22
	Increase/ Decrease due to FERV	-	-	-	-	-
	Increase/ Decrease due to ACE	-	-	-	-	-
	Total	666.67	555.56	444.44	333.33	222.22
	Repayments of Loans during the period	111.11	111.11	111.11	111.11	111.11
	Net loan - Closing	555.56	444.44	333.33	222.22	111.11
	Average Net Loan	611.11	500.00	388.89	277.78	166.67
	Rate of Interest on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%
	Interest on Loan Annualised	50.11	41.00	31.89	22.78	13.67
	SBI VIII D-11 repayment from 31.01.2022 -9Y					
	Gross loan - Opening	700.00	700.00	700.00	700.00	700.00
	Cumulative repayments of Loans upto previous period	233.33	311.11	388.89	466.67	544.44
	Net loan - Opening	466.67	388.89	311.11	233.33	155.56
	Increase/ Decrease due to FERV		-	-	-	-
	Increase/ Decrease due to ACE	-	_	-	-	-
	Total	466.67	388.89	311.11	233.33	155.56
	Repayments of Loans during the period	77.78	77.78	77.78	77.78	77.78
	Net loan - Closing	388.89	311.11	233.33	155.56	77.78
	Average Net Loan	427.78	350.00	272.22	194.44	116.67
	Rate of Interest on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%
	Interest on Loan Annualised	35.08	28.70	22.32	15.94	9.57
	SBI VIII D-12 repayment from 31.01.2022 -9Y	4 000 00	4 000 00	4 000 00	4 000 00	4 000 00
	Gross loan - Opening	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00
	Cumulative repayments of Loans upto previous period Net loan - Opening	400.00 800.00	533.33 666.67	666.67 533.33	800.00 400.00	933.33 266.67
					400.00	200.07
	Increase/ Decrease due to FERV Increase/ Decrease due to ACE	-	<u>-</u>	-	-	
	Total	800.00	666.67	533.33	400.00	266.67
	Repayments of Loans during the period	133.33	133.33	133.33	133.33	133.33
	Net loan - Closing	666.67	533.33	400.00	266.67	133.33
	Average Net Loan	733.33	600.00	466.67	333.33	200.00
	Rate of Interest on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%
	Interest on Loan Annualised	60.13	49.20	38.27	27.33	16.40
					-	
	SBI VIII D-13 repayment from 31.01.2022 -9Y					
	Gross loan - Opening	2,100.00	2,100.00	2,100.00	2,100.00	2,100.00
	Cumulative repayments of Loans upto previous period	700.00	933.33	1,166.67	1,400.00	1,633.33

Details/Information to be submitted in respect of Fuel for Computation of Energy Charges

NTPC LTD.

Fuel:	Coal	Month	Apr-23	Provisiona l	01-06-2024
S. No.	Particulars	Unit	Domestic Type 1 (M1149100657)	Imported	Bio Mass
A)	OPENING QUANTITY				
1	Opening Quantity of Coal/Lignite	MT	189033.455	100359.926	0.000
2	Value of Stock	Rs.	889669445	1547087057	0
B)	QUANTITY		102041110		
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	MT	403064.140	117811.400	0.000
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-785.120		
5	Coal supplied by Coal/Lignite (3+4)	MT	402279.020	117811.400	0.000
6	Normative Transit & Handling Losses (For coal/Lignite based Projects)	MT	3224.513	235.623	
7	Net coal / Lignite Supplied (5-6)	MT	399054.507	117575.777	0.000
<u>c)</u>	PRICE	_	1070747315	17722460274	0
8	Amount charged by the Coal/Lignite Company	Rs.	1273747315	1733468274	0
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company Handling, Sampling and such other similar charges	Rs.	69514931	0	0
11	Total amount Charged (8+9+10)	Rs. Rs.	1343262246	1733468274	0
D)	TRANSPORTATION	Rs.	1343202240	1/334062/4	U
12	Transportation charges by rail, ship, road transport	Rs.	566345964	0	0
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.	300313301		v
14	Demurrage Charges, if any	Rs.			
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.			
16	Total Transportation Charges (12+13+14+15)	Rs.	566345964	0	0
17	Total amount Charged for coal/lignite supplied including Transportation (11+16)	Rs.	1909608210	1733468274	0
E)	TOTAL COST				
18	Landed cost of coal/ Lignite (2+17)/(1+7)	Rs / PMT	4759.96	15052.86	0
19	Blending Ratio (Domestic /Imported)	%	79.06%	20.94%	0.00%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs / PMT		6915.05	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)	Rs / PMT	6915.0)5	
F)	QUALITY				
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	Kca l /Kg	3800		
22	GCV of Domestic Coal supplied as per bill of Coal Company	Kca l /Kg	3731		
23	GCV of Imported Coal of the opening stock as per bill Coal Company	Kcal/Kg		5023	
24	GCV of Imported Coal supplied as perbill Coal Company	Kcal/Kg		5030	
25	Weighted average GCV of coal/ Lignite as Billed (Including Biomass)	Kcal/Kg		3918.32	
25a	Weighted average GCV of coal/ Lignite as Billed (Excluding Biomass)		3918.3	32	
26	GCV of Domestic Coal of the opening stock as received at Station	Kcal/Kg	3749		
27	GCV of Domestic Coal supplied as received at Station	Kcal/Kg	3811		
28	GCV of Imported Coal of opening stock as received at Station	Kca l /Kg		5029	
29	GCV of Imported Coal supplied as received at Station	Kcal/Kg		5067	
30	Weighted average GCV of Coal/Lignite as Received (Including Biomass)	Kcal/Kg		4057.29	
30a	Weighted average GCV of Coal/ Lignite as Received (Excluding Biomass)	Kcal/Kg	4057.2	29	

Details/Information to be submitted in respect of Fuel for Computation of Energy Charges

NTPC LTD.

Fuel:	Coal	Month	May-23	Provisional	01-06-2024
S. No.	Particulars	Unit	Domestic Type 1 (M1149100657)	Imported	Bio Mass
A)	OPENING QUANTITY				
1	Opening Quantity of Coal/Lignite	MT	226540.962	167784.703	0.000
2	Value of Stock	Rs.	1078326951	2525639399	0
B)	QUANTITY				
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	MT	487502.120	50732.000	0.000
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-1106.770		
5	Coal supplied by Coal/Lignite (3+4)	MT	486395.350	50732.000	0.000
6	Normative Transit & Handling Losses (For coal/Lignite based Projects)	MT	3900.017	101.464	
7	Net coal / Lignite Supplied (5-6)	MT	482495.333	50630.536	0.000
<u>c)</u>	PRICE	_	1505140602	#20002415	
9	Amount charged by the Coal/Lignite Company	Rs.	1587140693	720082415	0
10	Adjustment (+/-) in amount charged made by Coal/Lignite Company Handling, Sampling and such other similar charges	Rs.	85041697	0	0
11	Total amount Charged (8+9+10)	Rs.	1672182390	720082415	0
D)	TRANSPORTATION	Rs. Rs.	10/2182390	720082413	0
12	Transportation charges by rail, ship, road transport	Rs.	683765551	0	0
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.	003703331	0	0
14	Demurrage Charges, if any	Rs.			
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.			
16	Total Transportation Charges (12+13+14+15)	Rs.	683765551	0	0
17	Total amount Charged for coal/lignite supplied including Transportation (11+16)	Rs.	2355947941	720082415	0
E)	TOTAL COST				
18	Landed cost of coal/ Lignite (2+17)/(1+7)	Rs / PMT	4843.58	14860.33	0
19	Blending Ratio (Domestic /Imported)	%	80.62%	19.38%	0.00%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs / PMT	1	6784.61	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)	Rs / PMT	6784.	61	
F)	QUALITY				
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	Kca l /Kg	3749		0
22	GCV of Domestic Coal supplied as per bill of Coal Company	Kca l /Kg	3811		0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	Kcal/Kg		5029	
24	GCV of Imported Coal supplied as perbill Coal Company	Kcal/Kg		5067	
25	Weighted average GCV of coal/ Lignite as Billed (Including Biomass)	Kcal/Kg		4057.29	
25a	Weighted average GCV of coal/ Lignite as Billed (Excluding Biomass)		4057.3	29	
26	GCV of Domestic Coal of the opening stock as received at Station	Kcal/Kg	3791		0
27	GCV of Domestic Coal supplied as received at Station	Kcal/Kg	3893		0
28	GCV of Imported Coal of opening stock as received at Station	Kcal/Kg		5049	
29	GCV of Imported Coal supplied as received at Station	Kcal/Kg		5164	
30	Weighted average GCV of Coal / Lignite as Received (Including Biomass)	Kcal/Kg	1005	4095.82	
30a	Weighted average GCV of Coal/ Lignite as Received (Excluding Biomass)	Kcal/Kg	4095.	02	

Details/Information to be submitted in respect of Fuel for Computation of Energy Charges

NTPC LTD.

Fuel:	Coal	Month	Jun-23	Provisional	01-06-2024
S. No.	Particulars	Unit	Domestic Type 1 (M1149100657)	Imported	Bio Mass
A)	OPENING QUANTITY				
1	Opening Quantity of Coal/Lignite	MT	329288.295	163924.239	0.000
2	Value of Stock	Rs.	1594934694	2435967735	0
B)	QUANTITY				
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	мт	392569.530	0.000	0.000
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-209.000		
5	Coal supplied by Coal/Lignite (3+4)	MT	392360.530	0.000	0.000
6	Normative Transit & Handling Losses (For coal/Lignite based Projects)	MT	3140,556	0.000	
7	Net coal / Lignite Supplied (5-6)	MT	389219.974	0.000	0.000
C)	PRICE				
- 8	Amount charged by the Coal/Lignite Company	Rs.	1424551998	0	0
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	Rs.	0	0	0
10	Handling, Sampling and such other similar charges	Rs.	87675423		
11	Total amount Charged (8+9+10)	Rs.	1512227421	0	0
D)	TRANSPORTATION	Rs.			
12	Transportation charges by rail, ship, road transport	Rs.	535533233	0	0
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.			
16	Total Transportation Charges (12+13+14+15)	Rs.	535533233	0	0
17	Total amount Charged for coal/lignite supplied including Transportation (11+16)	Rs.	2047760654	0	C
E)	TOTAL COST				
18	Landed cost of coal/ Lignite (2+17)/(1+7)	Rs / PMT	5069.80	14860.33	0
19	Blending Ratio (Domestic /Imported)	%	80.40%	19.60%	0.00%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs / PMT		6989.02	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)	Rs / PMT	6989	9.02	
F)	QUALITY				
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	Kcal/Kg	3791		0
22	GCV of Domestic Coal supplied as per bill of Coal Company	Kcal/Kg	3893		0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	Kcal/Kg		5049	
24	GCV of Imported Coal supplied as perbill Coal Company	Kcal/Kg		5164	
25	Weighted average GCV of coal/ Lignite as Billed (Including Biomass)	Kcal/Kg		4095.82	
25a	Weighted average GCV of coal/ Lignite as Billed (Excluding Biomass)		4095	5.82	
26	GCV of Domestic Coal of the opening stock as received at Station	Kcal/Kg	3680		0
27	GCV of Domestic Coal supplied as received at Station	Kcal/Kg	3823		C
28	GCV of Imported Coal of opening stock as received at Station	Kcal/Kg		5076	
29	GCV of Imported Coal supplied as received at Station	Kcal/Kg		0	
30	Weighted average GCV of Coal/ Lignite as Received (Including Biomass)	Kcal/Kg		4082.25	
30a	Weighted average GCV of Coal/ Lignite as Received (Excluding Biomass)	Kcal/Kg	4082	2.25	

Details/Information to be submitted in respect of Fuel for Computation of Energy Charges

NTPC LTD.

Fuel:	Coal	Month	nth Jul-23 Provision		01-06-2024
S. No.	Particulars	Unit	Domestic Type 1 (M1149100657)	Imported	Bio Mass
A)	OPENING QUANTITY				
1	Opening Quantity of Coal/Lignite	MT	304557.269	95796.239	0.000
2	Value of Stock	Rs.	1544045327	1423563378	0
B)	QUANTITY				
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	МТ	411326.030	39119.600	0.000
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-189.000		
5	Coal supplied by Coal/Lignite (3+4)	MT	411137.030	39119.600	0.000
6	Normative Transit & Handling Losses (For coal/Lignite based Projects)	MT	3290.608	78.239	
7	Net coal / Lignite Supplied (5-6)	MT	407846.422	39041.361	0.000
C)	PRICE				
8	Amount charged by the Coal/Lignite Company	Rs.	1491844402	665540412	0
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	Rs.	117044730	-58455057	0
10	Handling, Sampling and such other similar charges	Rs.			
11	Total amount Charged (8+9+10)	Rs.	1608889132	607085355	0
D)	TRANSPORTATION	Rs.			
12	Transportation charges by rail, ship, road transport	Rs.	572498529	0	0
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.			
16	Total Transportation Charges (12+13+14+15)	Rs.	572498529	0	0
17	Total amount Charged for coal/lignite supplied including Transportation (11+16)	Rs.	2181387661	607085355	0
E)	TOTAL COST				
18	Landed cost of coal/ Lignite (2+17)/(1+7)	Rs / PMT	5229.38	15059.96	0
19	Blending Ratio (Domestic /Imported)	%	81.21%	18.79%	0.00%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs / PMT		7076.22	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)	Rs / PMT	7076.	.22	
F)	QUALITY				
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	Kcal/Kg	3680		0
22	GCV of Domestic Coal supplied as per bill of Coal Company	Kcal/Kg	3823		0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	Kcal/Kg		5076	
24	GCV of Imported Coal supplied as perbill Coal Company	Kcal/Kg		0	
25	Weighted average GCV of coal/ Lignite as Billed (Including Biomass)	Kcal/Kg	'	4093.26	
25a	Weighted average GCV of coal/ Lignite as Billed (Excluding Biomass)		4093.	26	
26	GCV of Domestic Coal of the opening stock as received at Station	Kcal/Kg	3840		0
27	GCV of Domestic Coal supplied as received at Station	Kcal/Kg	3831		0
28	GCV of Imported Coal of opening stock as received at Station	Kcal/Kg		5076	
29	GCV of Imported Coal supplied as received at Station	Kcal/Kg		5417	
30	Weighted average GCV of Coal/ Lignite as Received (Including Biomass)	Kcal/Kg		4086.74	
30a	Weighted average GCV of Coal/ Lignite as Received (Excluding Biomass)	Kcal/Kg	4086	74	

Details/Information to be submitted in respect of Fuel for Computation of Energy Charges

NTPC LTD.

Fuel:	Coal	Month	Aug-23	Provisional	01-06-2024
S. No.	Particulars	Unit	Domestic Type 1 (M1149100657)	Imported	Bio Mass
A)	OPENING QUANTITY				
1	Opening Quantity of Coal/Lignite	MT	265458.691	64128.600	0.000
2	Value of Stock	Rs.	1388185509	965774092	0
B)	QUANTITY				
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	мт	436181.330	78216.800	0.000
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-132.000		
5	Coal supplied by Coal/Lignite (3+4)	MT	436049.330	78216.800	0.000
6	Normative Transit & Handling Losses (For coal/Lignite based Projects)	MT	3489.451	156.434	
7	Net coal / Lignite Supplied (5-6)	MT	432559.879	78060.366	0.000
C)	PRICE				
8	Amount charged by the Coal/Lignite Company	Rs.	1444801629	1147474085	0
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	Rs.	0	0	0
10	Handling, Sampling and such other similar charges	Rs.	133368386	0	
11	Total amount Charged (8+9+10)	Rs.	1578170016	1147474085	0
D)	TRANSPORTATION	Rs.			
12	Transportation charges by rail, ship, road transport	Rs.	638195470	0	0
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.			
16	Total Transportation Charges (12+13+14+15)	Rs.	638195470	0	C
17	Total amount Charged for coal/lignite supplied including Transportation (11+16)	Rs.	2216365486	1147474085	C
E)	TOTAL COST				
18	Landed cost of coal/ Lignite (2+17)/(1+7)	Rs / PMT	5163.98	14862.25	0
19	Blending Ratio (Domestic /Imported)	%	83.82%	16.18%	0.00%
20	Weighted average cost of Coal/Lignite (Including Biomass)	Rs / PMT		6732.83	
20a	Weighted average cost of Coal/Lignite (Excluding Biomass)	Rs / PMT	6732.83		
F)	QUALITY				
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	Kca l /Kg	3840		0
22	GCV of Domestic Coal supplied as per bill of Coal Company	Kcal/Kg	3831		0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	Kcal/Kg		5076	
24	GCV of Imported Coal supplied as perbill Coal Company	Kcal/Kg		5417	
25	Weighted average GCV of coal/ Lignite as Billed (Including Biomass)	Kcal/Kg		4086.74	
25a	Weighted average GCV of coal/Lignite as Billed (Excluding Biomass)		4086.	74	
26	GCV of Domestic Coal of the opening stock as received at Station	Kcal/Kg	3835		0
27	GCV of Domestic Coal supplied as received at Station	Kcal/Kg	3595		C
28	GCV of Imported Coal of opening stock as received at Station	Kca l /Kg		5175	
29	GCV of Imported Coal supplied as received at Station	Kca l /Kg		4920	
30	Weighted average GCV of Coal/Lignite as Received (Including Biomass)	Kcal/Kg		3902.38	
30a	Weighted average GCV of Coal/Lignite as Received (Excluding Biomass)	Kcal/Kg	3902.	38	

$\label{lem:computation} \mbox{ Details/Information to be submitted in respect of Fuel for Computation of Energy Charges} \\ \mbox{ NTPC LTD.}$

Fuel:	Coal	Month	Sep-23	Provisiona l	01-06-2024
S. No.	Particular s	Unit	Domestic Type 1 (M1149100657)	Imported	Bio Mass
A)	OPENING QUANTITY				
1	Opening Quantity of Coal/Lignite	MT	191906.570	64263.967	0.000
2	Value of Stock	Rs.	991000773	955107268	0
B)	QUANTITY				
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	МТ	335545.480	50268.000	0.000
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-1607,600		
5	Coal supplied by Coal/Lignite (3+4)	MT	333937.880	50268.000	0.000
6	Normative Transit & Handling Losses (For coal/Lignite based Projects)	MT	2684.364	100.536	0.000
7	Net coal / Lignite Supplied (5-6)	MT	331253.516	50167.464	0,000
(r)	PRICE		331233.310	30107.101	0.000
8	Amount charged by the Coal/Lignite Company	Rs.	1077574220	676305155	0
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	Rs.	0	-16606180	0
10	Handling, Sampling and such other similar charges	Rs.	96283788	10000100	
11	Total amount Charged (8+9+10)	Rs.	1173858008	659698975	0
D)	TRANSPORTATION	Rs.	1175050000	003030370	
12	Transportation charges by rail, ship, road transport	Rs.	469766749	0	0
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.	103700713	•	·
14	Demurrage Charges, if any	Rs.			
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.			
16	Total Transportation Charges (12+13+14+15)	Rs.	469766749	0	0
17	Total amount Charged for coal/lignite supplied including Transportation (11+16)	Rs.	1643624757	659698975	0
E)	TOTAL COST				
18	Landed cost of coal/ Lignite (2+17)/(1+7)	Rs / PMT	5035.98	14111.56	0
19	Blending Ratio (Domestic /Imported)	%	85.11%	14.89%	0.00%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs / PMT		6387.47	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)	Rs / PMT	6387,47		
F)	QUALITY				
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	Kcal/Kg	3835		0
22	GCV of Domestic Coal supplied as per bill of Coal Company	Kcal/Kg	3595		0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	Kcal/Kg		5175	
24	GCV of Imported Coal supplied as perbill Coal Company	Kcal/Kg		4920	
25	Weighted average GCV of coal/ Lignite as Billed (Including Biomass)	Kcal/Kg		3902.38	
25a	Weighted average GCV of coal/ Lignite as Billed (Excluding Biomass)		3902	2.38	
26	GCV of Domestic Coal of the opening stock as received at Station	Kcal/Kg	3684		0
27	GCV of Domestic Coal supplied as received at Station	Kcal/Kg	3625		0
28	GCV of Imported Coal of opening stock as received at Station	Kcal/Kg		5034	
29	GCV of Imported Coal supplied as received at Station	Kcal/Kg		5225	
30	Weighted average GCV of Coal/ Lignite as Received (Including Biomass)	Kcal/Kg		3865.36	
30a	Weighted average GCV of Coal/ Lignite as Received (Excluding Biomass)	Kcal/Kg	386.	5.36	

Details/Information to be submitted in respect of Fuel for Computation of Energy Charges

NTPC LTD.

Fuel:	Coal	Month	Oct-23	Oct-23 Provisional	
S. No.	Particulars	Unit	Domestic Type 1 (M1149100657)	Imported	Bio Mass
A)	OPENING QUANTITY				
1	Opening Quantity of Coal/Lignite	MT	52714.004	45495.631	0.000
2	Value of Stock	Rs.	265467059	642014427	0
B)	QUANTITY				
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	мт	434626.390	26371.000	0.000
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-3808.970		
5	Coal supplied by Coal/Lignite (3+4)	МТ	430817.420	26371.000	0.000
6	Normative Transit & Handling Losses (For coal/Lignite based Projects)	МТ	3477.011	52.742	
7	Net coal / Lignite Supplied (5-6)	MT	427340.409	26318.258	0.000
C)	PRICE				
8	Amount charged by the Coal/Lignite Company	Rs.	1277180090	354429407	0
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	Rs.	0	0	0
10	Handling, Sampling and such other similar charges	Rs.	71065202	0	0
11	Total amount Charged (8+9+10)	Rs.	1348245293	354429407	0
D)	TRANSPORTATION	Rs.			
12	Transportation charges by rail, ship, road transport	Rs.	549883574	0	0
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.			
16	Total Transportation Charges (12+13+14+15)	Rs.	549883574	0	0
17	Total amount Charged for coal/lignite supplied including Transportation (11+16)	Rs.	1898128867	354429407	0
E)	TOTAL COST				
18	Landed cost of coal/Lignite (2+17)/(1+7)	Rs / PMT	4506.98	13875.36	0
19	Blending Ratio (Domestic /Imported)	%	87.70%	12.30%	0.00%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs / PMT	07.7070	5659.06	0.0070
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)	Rs / PMT	5659.		
F)	OUALITY				
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	Kca l /Kg	3684	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	Kcal/Kg	3625	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	Kcal/Kg	0	5034	0
24	GCV of Imported Coal supplied as perbill Coal Company	Kcal/Kg	0	5225	0
25	Weighted average GCV of coal/Lignite as Billed (Including Biomass)	Kcal/Kg	*	3865.36	
25a	Weighted average GCV of coal/Lignite as Billed (Excluding Biomass)		3865.		
26	GCV of Domestic Coal of the opening stock as received at Station	Kcal/Kg	3646		0
27	GCV of Domestic Coal supplied as received at Station	Kcal/Kg	3728		0
28	GCV of Imported Coal of opening stock as received at Station	Kcal/Kg	1	5119	
29	GCV of Imported Coal supplied as received at Station	Kcal/Kg		5179	
30	Weighted average GCV of Coal/ Lignite as Received (Including Biomass)	Kcal/Kg		3894.12	
30a	Weighted average GCV of Coal/ Lignite as Received (Excluding Biomass)	Kcal/Kg	3894.		

Details/Information to be submitted in respect of Fuel for Computation of Energy Charges

NTPC LTD.

Coal		Nov-23	Provisional	01-06-2024	
Particulars	Unit	Domestic Type 1 (M1149100657)	Imported	Bio Mass	
OPENING QUANTITY					
Opening Quantity of Coal/Lignite	МТ	11307.413	16288.889	0.000	
Value of Stock	Rs.	50962102	226014248	0	
QUANTITY					
Quantity of Coal/Lignite supplied by Coal/Lignite Company	МТ	474848.930	52743.400	0.000	
Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-6526.900			
Coal supplied by Coal/Lignite (3+4)	МТ	468322.030	52743.400	0.000	
Normative Transit & Handling Losses (For coal/Lignite based Projects)	МТ	3798.791	105.487		
Net coal / Lignite Supplied (5-6)	MT	464523.239	52637.913	0.000	
PRICE					
Amount charged by the Coal/Lignite Company	Rs.	1464754177	695067018	0	
Adjustment (+/-) in amount charged made by Coal/Lignite Company	Rs.	0	0	0	
Handling, Sampling and such other similar charges	Rs.	61481317			
Total amount Charged (8+9+10)	Rs.	1526235494	695067018	0	
TRANSPORTATION	Rs.				
Transportation charges by rail, ship, road transport	Rs.	658622213	0	0	
Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.				
Demurrage Charges, if any	Rs.				
Cost of diesel in transporting coal through MGR system, if applicable	Rs.				
Total Transportation Charges (12+13+14+15)	Rs.	658622213	0	0	
Total amount Charged for coal/lignite supplied including Transportation (11+16)	Rs.	2184857706	695067018	0	
TOTAL COST					
Landed cost of coal / Lignite (2+17)/(1+7)	Rs / PMT	4698.77	13363.18	0	
Blending Ratio (Domestic /Imported)	%	81.13%	18.87%	0.00%	
Weighted average cost of Coal/ Lignite (Including Biomass)	Rs / PMT		6333,94		
Weighted average cost of Coal/Lignite (Excluding Biomass)	Rs / PMT	6333.	.94		
QUALITY					
GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	Kcal/Kg	3646	0	0	
GCV of Domestic Coal supplied as per bill of Coal Company	Kcal/Kg	3728	0	0	
GCV of Imported Coal of the opening stock as per bill Coal Company	Kcal/Kg	0	5119	0	
GCV of Imported Coal supplied as perbill Coal Company	Kcal/Kg	0	5179	0	
Weighted average GCV of coal/Lignite as Billed (Including Biomass)	Kcal/Kg		<u>'</u>		
Weighted average GCV of coal/Lignite as Billed (Excluding Biomass)					
GCV of Domestic Coal of the opening stock as received at Station	Kcal/Kg	3719		0	
GCV of Domestic Coal supplied as received at Station	Kcal/Kg	3829		0	
GCV of Imported Coal of opening stock as received at Station	Kcal/Kg		5142		
GCV of Imported Coal supplied as received at Station	Kcal/Kg		5197		
Weighted average GCV of Coal/ Lignite as Received (Including Biomass)	Kcal/Kg		4081.93		
Weighted average GCV of Coal/Lignite as Received (Excluding Biomass)	Kcal/Kg	4081.	.93		

Details/Information to be submitted in respect of Fuel for Computation of Energy Charges

NTPC LTD.

Fuel:	Coal	Coal Month Dec-23		Provisional	01-06-2024
S. No.	Particulars	Unit	Domestic Type 1 (M1149100657)	Imported	Bio Mass
A)	OPENING QUANTITY				
1	Opening Quantity of Coal/Lignite	MT	115374.652	9390.802	0.000
2	Value of Stock	Rs.	542119249	125490981	0
B)	QUANTITY				
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	MT	470415.570	46287.600	0.000
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-3977.410		
5	Coal supplied by Coal/Lignite (3+4)	MT	466438.160	46287.600	0.000
6	Normative Transit & Handling Losses (For coal/Lignite based Projects)	MT	3763.325	92.575	
7	Net coal / Lignite Supplied (5-6)	MT	462674.835	46195.025	0.000
C)	PRICE				
8	Amount charged by the Coal/Lignite Company	Rs.	1308178836	633133878	0
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	Rs.	0	-7065042	0
10	Handling, Sampling and such other similar charges	Rs.	65111122		
11	Total amount Charged (8+9+10)	Rs.	1373289959	626068836	0
D)	TRANSPORTATION	Rs.			
12	Transportation charges by rail, ship, road transport	Rs.	636301217	0	0
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.			
16	Total Transportation Charges (12+13+14+15)	Rs.	636301217	0	0
17	Total amount Charged for coal/lignite supplied including Transportation (11+16)	Rs.	2009591175	626068836	0
E)	TOTAL COST				
18	Landed cost of coal/ Lignite (2+17)/(1+7)	Rs / PMT	4414.35	13520.71	0
19	Blending Ratio (Domestic /Imported)	%	84.89%	15.11%	0.00%
20	Weighted average cost of Coal/Lignite (Including Biomass)	Rs / PMT		5790.12	
20a	Weighted average cost of Coal/Lignite (Excluding Biomass)	Rs / PMT	5790		
F)	OUALITY				
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	Kca l /Kg	3719		0
22	GCV of Domestic Coal supplied as per bill of Coal Company	Kcal/Kg	3829		0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	Kcal/Kg		5142	
24	GCV of Imported Coal supplied as perbill Coal Company	Kcal/Kg		0	
25	Weighted average GCV of coal/ Lignite as Billed (Including Biomass)	Kcal/Kg		4081.93	
25a	Weighted average GCV of coal/ Lignite as Billed (Excluding Biomass)		4081.	.93	
26	GCV of Domestic Coal of the opening stock as received at Station	Kcal/Kg	3825		0
27	GCV of Domestic Coal supplied as received at Station	Kcal/Kg	3472		0
28	GCV of Imported Coal of opening stock as received at Station	Kcal/Kg		5184	
29	GCV of Imported Coal supplied as received at Station	Kcal/Kg		5140	
30	Weighted average GCV of Coal/Lignite as Received (Including Biomass)	Kcal/Kg		3777.54	
30a	Weighted average GCV of Coal/Lignite as Received (Excluding Biomass)	Kcal/Kg	3777	.54	

Details/Information to be submitted in respect of Fuel for Computation of Energy Charges

NTPC LTD.

FGTPS Unchahar Stage-4 Fuel: Coal 01-06-2024 Month Jan-24 Provisional Domestic Type 1 S. No. **Particulars** Unit Imported **Bio Mass** (M1149100657) OPENING QUANTITY A) Opening Quantity of Coal/Lignite 199700.487 9059,827 MT Value of Stock 881547029 122495264 2 Rs. QUANTITY B) 491478.140 51320,740 3

Details/Information to be submitted in respect of Fuel for Computation of Energy Charges

NTPC LTD.

Fuel:	Coal	oal Month Feb-24		Provisional	01-06-2024
S. No.	Particulars	Unit	Domestic Type 1 (M1149100657)	Imported	Bio Mass
A)	OPENING QUANTITY				
1	Opening Quantity of Coal/Lignite	MT	258326.720	14914.925	0.000
2	Value of Stock	Rs.	1111564382	231270090	0
B)	QUANTITY				
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	MT	501358.030	39908.200	0.000
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-4027.170		
5	Coal supplied by Coal/Lignite (3+4)	MT	497330.860	39908.200	0.000
6	Normative Transit & Handling Losses (For coal/Lignite based Projects)	MT	3978.647	79.816	
7	Net coal / Lignite Supplied (5-6)	MT	493352.213	39828.384	0.000
<u>C)</u>	PRICE	_	1452000546	166621005	
8	Amount charged by the Coal/Lignite Company	Rs.	1452998746	466624005	0
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company Handling, Sampling and such other similar charges	Rs.	34863076	-13198696	0
11	Total amount Charged (8+9+10)	Rs.	1487861822	453425309	0
D)	TRANSPORTATION	Rs. Rs.	140/001022	433423309	U
12	Transportation charges by rail, ship, road transport	Rs.	671455311	0	0
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.	071133311		
14	Demurrage Charges, if any	Rs.			
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.			
16	Total Transportation Charges (12+13+14+15)	Rs.	671455311	0	0
17	Total amount Charged for coal/lignite supplied including Transportation (11+16)	Rs.	2159317133	453425309	0
E)	TOTAL COST				
18	Landed cost of coal/ Lignite (2+17)/(1+7)	Rs / PMT	4351.43	12507.38	0
19	Blending Ratio (Domestic /Imported)	%	84.62%	15.38%	0.00%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs / PMT		5606.07	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)	Rs / PMT	5606.	07	
F)	QUALITY				
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	Kca l /Kg	3534	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	Kca l /Kg	3743	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	Kcal/Kg	0	5147	0
24	GCV of Imported Coal supplied as perbill Coal Company	Kcal/Kg	0	5031	0
25	Weighted average GCV of coal/ Lignite as Billed (Including Biomass)	Kca l /Kg		3853.6	
25a	Weighted average GCV of coal/ Lignite as Billed (Excluding Biomass)		3853.		
26	GCV of Domestic Coal of the opening stock as received at Station	Kcal/Kg	3683	0	0
27	GCV of Domestic Coal supplied as received at Station	Kcal/Kg	3661	0	0
28	GCV of Imported Coal of opening stock as received at Station	Kca l /Kg	0	5048	0
29	GCV of Imported Coal supplied as received at Station	Kcal/Kg	0	5149	0
30	Weighted average GCV of Coal/Lignite as Received (Including Biomass)	Kcal/Kg	****	3892	
30a	Weighted average GCV of Coal/ Lignite as Received (Excluding Biomass)	Kcal/Kg	3892	<u>/</u>	

Details/Information to be submitted in respect of Fuel for Computation of Energy Charges

NTPC LTD.

Fuel:	Coal	Month	Mar-24	Provisional	01-06-2024
S. No.	Particulars	Unit	Domestic Type 1 (M1149100657)	Imported	Bio Mass
A)	OPENING QUANTITY				
1	Opening Quantity of Coal/Lignite	MT	446667.933	18691.309	0.000
2	Value of Stock	Rs.	1943646278	233779335	0
B)	QUANTITY				
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	MT	459623.230	46534.000	0.000
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-3619.150		
5	Coal supplied by Coal/Lignite (3+4)	MT	456004.080	46534.000	0.000
6	Normative Transit & Handling Losses (For coal/Lignite based Projects)	MT	3648.033	93.068	
7	Net coal / Lignite Supplied (5-6)	MT	452356.047	46440.932	0.000
C)	PRICE				
8	Amount charged by the Coal/Lignite Company	Rs.	1427278706	656188965	0
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	Rs.	0	-35959270	0
10	Handling, Sampling and such other similar charges	Rs.	62365247		
11	Total amount Charged (8+9+10)	Rs.	1489643952	620229695	0
D)	TRANSPORTATION	Rs.			
12	Transportation charges by rail, ship, road transport	Rs.	592308769	0	0
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.			
16	Total Transportation Charges (12+13+14+15)	Rs.	592308769	0	0
17	Total amount Charged for coal/lignite supplied including Transportation (11+16)	Rs.	2081952721	620229695	0
E)	TOTAL COST				
18	Landed cost of coal/Lignite (2+17)/(1+7)	Rs / PMT	4477.74	13111.92	0
19	Blending Ratio (Domestic /Imported)	%	84.12%	15.88%	0.00%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs / PMT		5848.77	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)	Rs / PMT	584	8.77	
F)	QUALITY				
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	Kcal/Kg	3683	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	Kcal/Kg	3661	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	Kcal/Kg	0	5048	0
24	GCV of Imported Coal supplied as perbill Coal Company	Kcal/Kg	0	5149	0
25	Weighted average GCV of coal/ Lignite as Billed (Including Biomass)	Kcal/Kg		3892	
25a	Weighted average GCV of coal/ Lignite as Billed (Excluding Biomass)		38	92	
26	GCV of Domestic Coal of the opening stock as received at Station	Kcal/Kg	3669	0	0
27	GCV of Domestic Coal supplied as received at Station	Kcal/Kg	3682	0	0
28	GCV of Imported Coal of opening stock as received at Station	Kcal/Kg	0	5122	0
29	GCV of Imported Coal supplied as received at Station	Kcal/Kg	0	5118	0
30	Weighted average GCV of Coal/ Lignite as Received (Including Biomass)	Kcal/Kg		3904	
30a	Weighted average GCV of Coal/ Lignite as Received (Excluding Biomass)	Kcal/Kg	39	04	

FORM- 15: Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: Name of the Generating Station NTPC Limited FGTPS Unchahar

C Na	Month	11	Apr-23		
S. No.	Month	Unit	HFO	LDO	
			M1149201055	M1149200900	
A)	OPENING QUANTITY				
	Opening Stock of Oil	(KL)	652.52	952.59	
2	Value of Opening Stock	(Rs.)	31606811	80944692.83	
В)	QUANTITY				
	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00	
	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00	0.00	
	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00	
	Normative transit & Handling losses	(KL)	0.00	0.00	
7	Net Oil supplied (5-6)	(KL)	0.00	0.00	
C)	PRICE				
	Amount charged by Oil Company	(Rs.)	0.00	0.00	
	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00	
10	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00	
11	Total amount Charged (8+9+10)	(Rs.)	0.00	0.00	
D)	TRANSPORATION				
12	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00	
13	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00	0.00	
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00	
16	Other Charges	(Rs.)	0.00	0.00	
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00	
E)	TOTAL COST				
18	Weighted average cost of Oil	(Rs./KL)	48438.22	84973.22	
19	Blending Ratio			1.00	
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)		84973.22	
F)	QUALITY				
	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/KL	NA	NA	
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	Kcal/KL	NA	NA	
23	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company,	Kcal/KL	NA	NA	
24	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/KL	NA	NA	
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	NA	NA	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	NA	9198.00	
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL			
	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA	
20	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA	
	Weighted average GCV of Secondary Fuel/ as Received				

FORM- 15: Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: Name of the Generating Station NTPC Limited FGTPS Unchahar

S. No.	Month	Unit	May-23		
5. NO.	Month	Unit	HFO	LDO	
			M1149201055	M1149200900	
A)	OPENING QUANTITY				
1	Opening Stock of Oil	(KL)	652.52	612.79	
2	Value of Opening Stock	(Rs.)	31606811	52070955.55	
В)	QUANTITY				
	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00	
	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00	0.00	
	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00	
	Normative transit & Handling losses	(KL)	0.00	0.00	
7	Net Oil supplied (5-6)	(KL)	0.00	0.00	
C)	PRICE				
8	Amount charged by Oil Company	(Rs.)	0.00	0.00	
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00	
10	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00	
11	Total amount Charged (8+9+10)	(Rs.)	0.00	0.00	
		•			
D)	TRANSPORATION				
12	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00	
13	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00	0.00	
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	
	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00	
	Other Charges	(Rs.)	0.00	0.00	
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00	
		•			
E)	TOTAL COST				
18	Weighted average cost of Oil	(Rs./KL)	48438.22	84973.49	
19	Blending Ratio			1.00	
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)		84973.49	
		_			
F)	QUALITY				
	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary		NA	NA	
21	Fuel Company	Kcal/KL	IVA	IVA	
	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel		NA	NA	
22	Company,	Kcal/KL	IVA	IVA	
	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary		NA	NA	
23	Fuel Company,	Kcal/KL	IVA	IVA	
	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel		NA	NA	
	Company	Kcal/KL	IVA	IVA	
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	NA	NA	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	NA	9198.00	
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL			
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA	
	GCV of Imported Secondary Fuel of Supplied as received at Station	Kcal/KL	NA	NA	
79	i a a	I ROUI/ INL			
	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	NA	9239.00	

FORM- 15: Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: Name of the Generating Station NTPC Limited FGTPS Unchahar

C NI-	Month	1124	Jun-23		
S. No.	Month	Unit	HFO	LDO	
		•	M1149201055	M1149200900	
A)	OPENING QUANTITY				
1	Opening Stock of Oil	(KL)	652.52	234.37	
2	Value of Opening Stock	(Rs.)	31606811	19915570.67	
В)	QUANTITY				
	Quantity of LDO supplied by Oil company	(KL)	0.00	400.00	
	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00	0.00	
	LDO supplied by Oil company (3+4)	(KL)	0.00	400.00	
	Normative transit & Handling losses	(KL)	0.00	0.00	
7	Net Oil supplied (5-6)	(KL)	0.00	400.00	
_,	I				
C)	PRICE				
	Amount charged by Oil Company	(Rs.)	0.00	28601180.00	
	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00	
	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00	
11	Total amount Charged (8+9+10)	(Rs.)	0.00	28601180.00	
D)	TRANSPORATION				
	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00	
	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00	0.00	
	Demurrage Charges, if any	(Rs.)	0.00	0.00	
	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00	
16	Other Charges	(Rs.)	0.00	0.00	
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	28601180.00	
_,		1			
E)	TOTAL COST	(= t)			
	Weighted average cost of Oil	(Rs./KL)	48438.22	76480.14	
	Blending Ratio			1.00	
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)		76480.14	
_,		1			
F)	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary	1			
21	Fuel Company	Keel/KI	NA	NA	
	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel	Kcal/KL			
22	Company,	Kcal/KL	NA	NA	
	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary	RCal/ RL			
23	Fuel Company,	Kcal/KL	NA	NA	
	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel	Real/RE			
24	Company	Kcal/KL	NA	NA	
	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	NA	NA	
	The spine diverge deviation and the spine diverges and the spine diverges deviated and the spine deviated and t	Real/RE		IVA	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	NA	9239.00	
דר	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL			
	Seev of Domestic Secondary ruler supplied as received at Station	NCdI/ NL			
	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA	
29	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA	
	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	NA	9240.00	

Name of the Petitioner: Name of the Generating Station

6 N	Manual		Jul-23		
S. No.	Month	Unit	HFO	LDO	
		•	M1149201055	M1149200900	
A)	OPENING QUANTITY		<u>'</u>		
	Opening Stock of Oil	(KL)	652.52	450.80	
2	Value of Opening Stock	(Rs.)	31606811	34477411.60	
		•	_		
В)	QUANTITY				
3	Quantity of LDO supplied by Oil company	(KL)	0.00	1000.00	
	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00	0.00	
	LDO supplied by Oil company (3+4)	(KL)	0.00	1000.00	
6	Normative transit & Handling losses	(KL)	0.00	0.00	
7	Net Oil supplied (5-6)	(KL)	0.00	1000.00	
C)	PRICE				
8	Amount charged by Oil Company	(Rs.)	0.00	75507386.00	
	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00	
	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00	
	Total amount Charged (8+9+10)	(Rs.)	0.00	75507386.00	
			•		
D)	TRANSPORATION				
12	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00	
13	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00	0.00	
	Demurrage Charges, if any	(Rs.)	0.00	0.00	
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00	
	Other Charges	(Rs.)	0.00	0.00	
		,			
1/	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	75507386.00	
E)	TOTAL COST				
18	Weighted average cost of Oil	(Rs./KL)	48438.22	75809.73	
	Blending Ratio			1.00	
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)		75809.73	
		_ 、	-		
F)	QUALITY				
	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary				
21	Fuel Company	Kcal/KL	NA	NA	
	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel				
22	Company,	Kcal/KL	NA	NA	
	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary		NA	NA	
23	Fuel Company,	Kcal/KL	NA	NA	
	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel		NA	NA	
24	Company	Kcal/KL	NA	NA	
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	NA	NA	
			NA		
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	NA .	9240.00	
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL			
20	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA	
2 X				NIA	
	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA	
29	GCV of Imported Secondary Fuel of supplied as received at Station Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL Kcal/KL	NA NA	9238.00	

Name of the Petitioner: Name of the Generating Station

Month	Heit	Aug-23		
. IVIONTN	Unit	HFO	LDO	
		M1149201055	M1149200900	
OPENING QUANTITY				
1 Opening Stock of Oil	(KL)	652.52	1120.44	
2 Value of Opening Stock	(Rs.)	31606811	84940236.69	
OUANTITY				
QOAHIII.				
, , , , , , , , , , , , , , , , , , , ,	(KL)	0.00	0.00	
	(KL)		0.00	
	` '	0.00	0.00	
6 Normative transit & Handling losses	(KL)	0.00	0.00	
7 Net Oil supplied (5-6)	(KL)	0.00	0.00	
PRICE				
8 Amount charged by Oil Company	(Rs.)	0.00	0.00	
9 Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00	
0 Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00	
1 Total amount Charged (8+9+10)	(Rs.)	0.00	0.00	
TRANSPORATION				
	(Dc.)	0.00	0.00	
	` '		0.00	
	` '		0.00	
	` '		0.00	
	_ ` ,		0.00	
	(Rs.)	0.00	0.00	
		•		
	(Rs./KL)	48438.22	75809.67	
1			1.00	
0 Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)		75809.67	
QUALITY				
GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary				
1 Fuel Company	Kcal/KL	NA	NA	
2 GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company.	Kcal/KI	NA	NA	
GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary				
	Kcal/KL	NA	NA	
4 GCV of Imported Secondary Fuel supplied as per hill of Secondary Fuel Company	Veal/VI	NA	NA	
		NΛ	NA	
Twengined average dev or secondary ruely as billed	NCal/ NL	IVA	IVA	
6 GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	NA	9238.00	
7 GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL			
	Keel/Kl	NA	NA	
8 GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL			
8 GCV of Imported Secondary Fuel of opening stock as received at Station 9 GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL Kcal/KL	NA	NA	
	1 Opening Stock of Oil 2 Value of Opening Stock QUANTITY 3 Quantity of LDO supplied by Oil company 4 Adjustment(+/-) in qnty.supplied made by Oil Comopany 5 LDO supplied by Oil company (3+4) 6 Normative transit & Handling losses 7 Net Oil supplied (5-6) PRICE 8 Amount charged by Oil Company 9 Adjustment (+/-) in amount charged by Oil Company 10 Handling, Sampling and such other similar charges 11 Total amount Charged (8+9+10) TRANSPORATION 12 Transportation charges by rail/ship/road transport 13 Adjustment(+/-) in amount made byRailways/ Transport Company 14 Demurrage Charges, if any 15 Total Transportation Charges (12+13+14+15) 16 Other Charges 17 Total Amount charged for Oil supplied including transportation (11+15+16) TOTAL COST 18 Weighted average cost of Oil 19 Blending Ratio 10 Weighted Average Cost of Secondary Fuel/ For the month QUALITY GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary 17 Fuel Company 18 GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary 18 Fuel Company 19 Fuel Company 19 Fuel Company 20 GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary 21 Fuel Company, 22 GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary 23 Fuel Company, 24 GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company, 26 GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company, 27 GCV of Imported Secondary Fuel of the opening stock as received at Station	OPENING QUANTITY 1 Opening Stock of Oil (KL) 2 Value of Opening Stock of Oil (KL) 2 Value of Opening Stock (Rs.) QUANTITY 3 Quantity of LDO supplied by Oil company (KL) 4 Adjustment(*/-) in qnty.supplied made by Oil Comopany (KL) 5 LDO supplied by Oil company (3+4) (KL) 6 Normative transit & Handling losses (KL) 7 Net Oil supplied (5-6) (KL) PRICE 8 Amount charged by Oil Company (Rs.) 9 Adjustment (*/-) in amount charged by Oil Company (Rs.) 0 Handling, Sampling and such other similar charges (Rs.) 1 Total amount Charged (8+9+10) (Rs.) TRANSPORATION (Rs.) 2 Transportation charges by rail/ship/road transport (Rs.) 3 Adjustment(*/-) in amount made byRailways/ Transport Company (Rs.) 4 Demurrage Charges, if any (Rs.) 5 Total Transportation Charges (12+13+14+15) (Rs.) 6 Other Charges (Rs.) 7 Total Amount charged for Oil supplied including transportation (11+15+16) (Rs.) TOTAL COST 8 Weighted average cost of Oil (Rs./KL) 9 Blending Ratio (Weighted Average Cost of Secondary Fuel of the opening stock as per bill of Secondary Fuel Company, (Rcal/KL) COV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company, (Rcal/KL) 6 GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company, (Rcal/KL) 6 GCV of Imported Secondary Fuel of the opening stock as received at Station (Rcal/KL) 6 GCV of Imported Secondary Fuel of the opening stock as received at Station (Rcal/KL) 8 Weighted average GCV of Secondary Fuel as per bill of Secondary Fuel Company, (Rcal/KL) 8 GCV of Imported Secondary Fuel of the opening stock as received at Station (Rcal/KL) 9 GCV of Domestic Secondary Fuel of the opening stock as received at Station (Rcal/KL)	Note	

Name of the Petitioner: Name of the Generating Station

S. No.	Month		Sep-23	
3. NO.	Mondi	Unit	HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	652.52	673.65
2	Value of Opening Stock	(Rs.)	31606811	51069335.20
В)	QUANTITY			
	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00
	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00	0.00
	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00
	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	0.00
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	0.00	0.00
		•	·	
D)	TRANSPORATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00
13	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00
E)	TOTAL COST			
18	Weighted average cost of Oil	(Rs./KL)	48438.22	75809.83
19	Blending Ratio			1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)		75809.83
		_		
F)	QUALITY			
	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary		NA	NA
21	Fuel Company	Kcal/KL	NA .	NA .
	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel		NA	NA
22	Company,	Kcal/KL	NA .	NA .
	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary		NA	NA
23	Fuel Company,	Kcal/KL	IVA	11/4
	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel		NA	NA
	Company	Kcal/KL	IVA	IVA
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	NA	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	NA	9238.00
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL		
20	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA
	face of imported accomany raci of opening stack as received at atallan	NCdI/ NL		
	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/ki	NΛ	NA
29	GCV of Imported Secondary Fuel of supplied as received at Station Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL Kcal/KL	NA NA	NA 9238.00

Name of the Petitioner: Name of the Generating Station

S. No.	Month		Oct-23		
3. NO.	Mondi	Unit	HFO	LDO	
			M1149201055	M1149200900	
A)	OPENING QUANTITY				
1	Opening Stock of Oil	(KL)	652.52	84.35	
2	Value of Opening Stock	(Rs.)	31606811	6394829.84	
В)	QUANTITY				
	Quantity of LDO supplied by Oil company	(KL)	0.00	2000.00	
	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00	0.00	
	LDO supplied by Oil company (3+4)	(KL)	0.00	2000.00	
	Normative transit & Handling losses	(KL)	0.00	0.00	
7	Net Oil supplied (5-6)	(KL)	0.00	2000.00	
C)	PRICE				
8	Amount charged by Oil Company	(Rs.)	0.00	188368851.00	
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00	
10	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00	
11	Total amount Charged (8+9+10)	(Rs.)	0.00	188368851.00	
			·		
D)	TRANSPORATION				
12	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00	
13	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00	0.00	
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00	
16	Other Charges	(Rs.)	0.00	0.00	
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	188368851.00	
_,		1			
E)	TOTAL COST	(= ()			
	Weighted average cost of Oil	(Rs./KL)	48438.22	93440.94	
	Blending Ratio			1.00	
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)		93440.94	
	-	T			
F)	QUALITY CCI (of Parametric Constraints Free of the agreeing short and the formation of the constraints of				
24	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary	14 1/14	NA	NA	
21	Fuel Company	Kcal/KL			
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel	1/1/1/1	NA	NA	
	Company, GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary	Kcal/KL			
22	Fuel Company,	Kcal/KL	NA	NA	
23	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel	KCdI/KL			
24		Keel/KI	NA	NA	
	Company Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	NA	NA	
25	weighted average GCV of Secondary Fuely as billed	Kcal/KL	NA	NA	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	NA	9238.00	
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL			
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA	
	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA	
				9187.00	
	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	NA	9187.00	

Name of the Petitioner: Name of the Generating Station

S. No	Month		Nov-23	
5. NO	. iviontn	Unit	HFO	LDO
	•		M1149201055	M1149200900
A)	OPENING QUANTITY		•	
	1 Opening Stock of Oil	(KL)	652.52	32.10
	2 Value of Opening Stock	(Rs.)	31606811	2999823.06
В)	QUANTITY			
	3 Quantity of LDO supplied by Oil company	(KL)	0.00	1000.00
	4 Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00	0.00
	5 LDO supplied by Oil company (3+4)	(KL)	0.00	1000.00
	Normative transit & Handling losses	(KL)	0.00	0.00
	7 Net Oil supplied (5-6)	(KL)	0.00	1000.00
C)	PRICE			
	8 Amount charged by Oil Company	(Rs.)	0.00	88662946.00
	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00
1	1 Total amount Charged (8+9+10)	(Rs.)	0.00	88662946.00
			•	
D)	TRANSPORATION			
1	2 Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00
	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00	0.00
	Demurrage Charges, if any	(Rs.)	0.00	0.00
	5 Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
	6 Other Charges	(Rs.)	0.00	0.00
1	7 Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	88662946.00
			•	
E)	TOTAL COST			
1	Weighted average cost of Oil	(Rs./KL)	48438.22	88811.86
1	9 Blending Ratio			1.00
2	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)		88811.86
F)	QUALITY			
F)	QUALITY GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary		No.	NA.
	,	Kcal/KL	NA	NA
	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary	Kcal/KL		
2	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/KL	NA NA	NA NA
2	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel		NA	NA
2	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,			
2	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary 1 Fuel Company GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel 2 Company, GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary	Kcal/KL	NA NA	NA NA
2 2 2	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/KL Kcal/KL Kcal/KL	NA	NA
2 2 2	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel	Kcal/KL	NA NA	NA NA
2 2 2 2 2	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/KL Kcal/KL Kcal/KL	NA NA	NA NA NA
2 2 2 2 2 2	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company Weighted average GCV of Secondary Fuel/ as Billed GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL Kcal/KL Kcal/KL Kcal/KL	NA NA NA	NA NA NA
2 2 2 2 2 2	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL Kcal/KL Kcal/KL Kcal/KL	NA NA NA NA NA	NA NA NA NA 9187.00
2 2 2 2 2 2 2 2	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company Weighted average GCV of Secondary Fuel/ as Billed GCV of Domestic Secondary Fuel of the opening stock as received at Station GCV of Imported Secondary Fuel supplied as received at Station GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL Kcal/KL Kcal/KL Kcal/KL Kcal/KL Kcal/KL	NA NA NA	NA NA NA
2 2 2 2 2 2 2 2 2 2	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company, GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company Weighted average GCV of Secondary Fuel/ as Billed GCV of Domestic Secondary Fuel of the opening stock as received at Station GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL Kcal/KL Kcal/KL Kcal/KL Kcal/KL	NA NA NA NA NA	NA NA NA NA 9187.00

Name of the Petitioner: Name of the Generating Station

S. No.	Month		Dec-23	
3. NO.	Worth	Unit	HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	652.52	308.21
2	Value of Opening Stock	(Rs.)	31606811	27372966.97
В)	QUANTITY			
	Quantity of LDO supplied by Oil company	(KL)	0.00	1000.00
	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00	0.00
	LDO supplied by Oil company (3+4)	(KL)	0.00	1000.00
	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	1000.00
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	79093146.00
ç	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	0.00	79093146.00
		•		
D)	TRANSPORATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00
13	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
16	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	79093146.00
E)	TOTAL COST			
	Weighted average cost of Oil	(Rs./KL)	48438.22	81383.01
19	Blending Ratio			1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)		81383.01
F)	QUALITY			
	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary		NA	NA
21	Fuel Company	Kcal/KL	IVA	IVA
	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel		NA	NA
22	Company,	Kcal/KL	IVA	IVA
	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary		NA	NA
	Fuel Company,	Kcal/KL		
23		I		81.6
	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel		NA	NA
24	Company	Kcal/KL	NA	NA
24		Kcal/KL Kcal/KL	NA NA	NA NA
24 25	Company			
24 25 26	Company Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	NA	NA
24 25 26 27	Company Weighted average GCV of Secondary Fuel/ as Billed GCV of Domestic Secondary Fuel of the opening stock as received at Station GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL Kcal/KL Kcal/KL	NA NA	NA 9739.00
24 25 26 27 28	Company Weighted average GCV of Secondary Fuel/ as Billed GCV of Domestic Secondary Fuel of the opening stock as received at Station GCV of Domestic Secondary Fuel supplied as received at Station GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL Kcal/KL Kcal/KL Kcal/KL	NA NA	NA 9739.00 NA
24 25 26 27 28 29	Company Weighted average GCV of Secondary Fuel/ as Billed GCV of Domestic Secondary Fuel of the opening stock as received at Station GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL Kcal/KL Kcal/KL	NA NA	NA 9739.00

Name of the Petitioner: Name of the Generating Station

S. No.	Month		Jan-24	
3. NO.	Mondi	Unit	HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	652.52	1029.30
2	Value of Opening Stock	(Rs.)	31606811	83767718.74
В)	QUANTITY			
	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00
	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00	0.00
	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00
	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	0.00
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	0.00	0.00
		•		
D)	TRANSPORATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00
13	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00	0.00
	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00
E)	TOTAL COST			
18	Weighted average cost of Oil	(Rs./KL)	48438.22	81383.06
19	Blending Ratio			1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)		81383.06
		_	-	
F)	QUALITY			
	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary		NA	NA
21	Fuel Company	Kcal/KL	IVA	NA .
	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel		NA	NA
22	Company,	Kcal/KL	IVA	NA .
	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary		NA	NA
23	Fuel Company,	Kcal/KL	IVA	11/4
	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel		NA	NA
	Company	Kcal/KL	IVA	IVA
		Kcal/KL	NA	NA
	Weighted average GCV of Secondary Fuel/ as Billed			
25			NA NA	
25	Weighted average GCV of Secondary Fuel/ as Billed GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	NA	9739.00
25 26		Kcal/KL Kcal/KL	NA	9739.00
25 26 27	GCV of Domestic Secondary Fuel of the opening stock as received at Station GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL		
25 26 27 28	GCV of Domestic Secondary Fuel of the opening stock as received at Station GCV of Domestic Secondary Fuel supplied as received at Station GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL Kcal/KL	NA	NA
25 26 27 28 29	GCV of Domestic Secondary Fuel of the opening stock as received at Station GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL		

Name of the Petitioner: Name of the Generating Station

C NI-	Month		Feb-24		
S. No.	Month	Unit	HFO	LDO	
		•	M1149201055	M1149200900	
A)	OPENING QUANTITY				
1	Opening Stock of Oil	(KL)	652.52	467.25	
2	Value of Opening Stock	(Rs.)	31606811	38026518.29	
В)	QUANTITY				
	Quantity of LDO supplied by Oil company	(KL)	0.00	1000.00	
	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00	0.00	
	LDO supplied by Oil company (3+4)	(KL)	0.00	1000.00	
	Normative transit & Handling losses	(KL)	0.00	0.00	
7	Net Oil supplied (5-6)	(KL)	0.00	1000.00	
_,	I				
C)	PRICE				
	Amount charged by Oil Company	(Rs.)	0.00	79565146.00	
	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00	
	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00	
11	Total amount Charged (8+9+10)	(Rs.)	0.00	79565146.00	
D)	TRANSPORATION				
	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00	
	Adjustment(+/-) in amount made by Railways / Transport Company	(Rs.)	0.00	0.00	
	Demurrage Charges, if any	(Rs.)	0.00	0.00	
	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00	
16	Other Charges	(Rs.)	0.00	0.00	
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	79565146.00	
	T				
E)	TOTAL COST	.			
	Weighted average cost of Oil	(Rs./KL)	48438.22	80144.01	
	Blending Ratio			1.00	
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)		80144.01	
_,		1			
F)	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary	1			
21	Fuel Company	Keel/KI	NA	NA	
	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel	Kcal/KL			
22	Company,	Kcal/KL	NA	NA	
	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary	RCal/ RL			
23	Fuel Company,	Kcal/KL	NA	NA	
	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel	Real/RE			
24	Company	Kcal/KL	NA	NA	
	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	NA	NA	
	The spine diverge deviation and the spine diverges and the spine diverges deviated and the spine deviated and t	Real/RE		IVA	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	NA	9511.00	
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL			
21	Seev of Domestic Secondary ruler supplied as received at Station	NCdI/ NL			
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA	
29	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	9384.00	
30	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	NA	9384.00	

Name of the Petitioner: Name of the Generating Station

S. No.	Month		Mar-24	
3. NO.	Mondi	Unit	HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	652.52	743.90
2	Value of Opening Stock	(Rs.)	31606811	59619511.95
В)	QUANTITY			
	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00
	Adjustment(+/-) in qnty.supplied made by Oil Comopany	(KL)	0.00	0.00
	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00
	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	0.00
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	0.00	0.00
		•		
D)	TRANSPORATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00
13	Adjustment(+/-) in amount made byRailways/ Transport Company	(Rs.)	0.00	0.00
	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00
		•		
E)	TOTAL COST			
18	Weighted average cost of Oil	(Rs./KL)	48438.22	80144.53
19	Blending Ratio			1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)		80144.53
		_	-	
F)	QUALITY			
	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary		NA	NA
21	Fuel Company	Kcal/KL	IVA	NA .
	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel		NA	NA
22	Company,	Kcal/KL	IVA	NA .
	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary		NA	NA
23	Fuel Company,	Kcal/KL	IVA	11/4
	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel		NA	NA
	Company	Kcal/KL	IVA	11/4
	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	NA	NA
	weighted average GCV of Secondary Fuely as Billed			
25			NΔ	
25	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	NA	9511.00
25 26		Kcal/KL Kcal/KL	NA	9511.00
25 26 27	GCV of Domestic Secondary Fuel of the opening stock as received at Station GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL		
25 26 27 28	GCV of Domestic Secondary Fuel of the opening stock as received at Station GCV of Domestic Secondary Fuel supplied as received at Station GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL Kcal/KL	NA	NA
25 26 27 28 29	GCV of Domestic Secondary Fuel of the opening stock as received at Station GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL		

Name of the Company Name of the Power Station NTPC Limited Unchahar Stage-IV

Form-15B ADDITIONAL FORM

		2024-25	2025-26	2026-27	2027-28	2028-29
No of Days in the year	Days	365	365	365	366	365
Sp. Oil consumption	ml/kwh	0.5	0.5	0.5	0.5	0.5
Auxiliary consumption	%	5.75	5.75	5.75	5.75	5.75
Heat Rate	Kcal/Kwh	2,372.43	2,372.43	2,372.43	2,372.43	2372.43
Computation of Variable Char	ges					
Variable Charge (Coal)	p/kwh	410.00887	410.009	410.009	410.009	410.009
Variable Charge (Oil)	p/kwh	4.32875	4.329	4.329	4.329	4.329
Total	p/kwh	414.338	414.338	414.338	414.338	414.338
Price of fuel from Form-15/15	-					
Coal Cost	(Rs./MT)	6318.95	6318.95	6318.95	6318.95	6318.95
Oil Cost	(Rs./KL)	81596.96	81596.96	81596.96	81596.96	81596.96
Coal GCV (After Adjustment)	(kCal/Kg)	3871.75	3871.75	3871.75	3871.75	3871.75
Oil GCV	(Rs./KL)	9345.67	9345.67	9345.67	9345.67	9345.67
Computation of Fuel Expense						
ESO in a year	(MUs)	3508.93	3508.93	3508.93	3518.54	3508.93
Cost of coal for 40 Days	(Rs. Lakh)	19708.10	19708.10	19708.10	19708.10	19708.10
Cost of oil for 2 months	(Rs. Lakh)	253.15	253.15	253.15	253.85	253.15
Energy Expenses for 45 days	(Rs. Lakh)	17924.56	17924.56	17924.56	17924.56	17924.56
Rate of Energy Charge from	$= (Q_s)_n X P_s$	4.079847875	4.079847875	4.079847875	4.079847875	4.079847875
Heat Contribution from SFO /	$= (Qs)_n X (GCV)_s$					
Alternate Fuel		4.672833333	4.672833333	4.672833333	4.672833333	4.672833333
Heat Contribution from coal	= GHR- H _s	2,367.76	2,367.76	2,367.76	2,367.76	2,367.76
Specific Primary Fuel	$= H_p / (GCV)_p$					
Consumption		0.61	0.61	0.61	0.61	0.61
Rate of Energy charge from Primary Fuel (p/kwh)	(REC) _p	386.43	386.43	386.43	386.43	386.43
Rate of Energy charge ex-bus (p/kWh)	= ((REC) _s + (REC) _p / (1-(AUX))	414.34	414.34	414.34	414.34	414.34

PETITIONER

Name of the Petitioner Name of the Generating Station

NTPC Limited Unchahar Stage-IV

Statement of Capital cost (To be given for relevant dates and year wise)

	a) Opening Gross Block Amount as per books	Accrual Basis	As on 01.04.2024 Un-discharged Liabilities	Cash Basis
	a) Opening Gross Block Amount as per books	375623 //1		
		313033.41	20865.39	354768.03
	b) Amount of IDC in A(a) above	21041.06		21041.06
	c) Amount of FC in A(a) above	0.00		0.00
	d) Amount of FERV in A(a) above	9612.51		9612.51
	e) Amount of Hedging Cost in A(a) above	0.00		0.00
	f) Amount of IEDC in A(a) above	11649.96		11649.96
	a) Addition in Gross Block Amount during the period (Direct			
	purchases) b) Amount of IDC in B(a) above			
	c) Amount of FC in B(a) above			
	d) Amount of FERV in B(a) above e) Amount of Hedging Cost in B(a) above			
	f) Amount of IEDC in B(a) above			
C	a) Addition in Gross Block Amount during the period (Transferred from CWIP)			
	b) Amount of IDC in C(a) above			
	c) Amount of FC in C(a) above			
	d) Amount of FERV in C(a) above			
	e) Amount of Hedging Cost in C(a) above			
	f) Amount of IEDC in C(a) above			
			To be provided at the time of truing-	·up
			J	
	a) Deletion in Gross Block Amount during the period			
	b) Amount of IDC in D(a) above			
	c) Amount of FC in D(a) above			
	d) Amount of FERV in D(a) above			
	e) Amount of Hedging Cost in D(a) above f) Amount of IEDC in D(a) above			
	i) Amount of IEDC III D(a) above			
Е	a) Closing Gross Block Amount as per books			
	b) Amount of IDC in E(a) above			
	c) Amount of FC in E(a) above			
	d) Amount of FERV in E(a) above			
	e) Amount of Hedging Cost in E(a) above			
	f) Amount of IEDC in E(a) above			
	17 / WHO WILL OF TELOW IT E(U) ADOVE			

Name of the Petitioner Name of the Generating Station

NTPC Limited Unchahar Stage-IV

Statement of Capital Woks in Progress

(To be given for relevant dates and year wise)

A a) Opening CWIP as per books 6548.45 1832.11 4				01.04.2024	
b) Amount of IDC in A(a) above c) Amount of FC in A(a) above d) Amount of FERV in A(a) above e) Amount of Hedging Cost in A(a) above 0.00 B a) Addition in CWIP during the period b) Amount of IDC in B(a) above c) Amount of IDC in B(a) above d) Amount of FERV in B(a) above e) Amount of FC in B(a) above e) Amount of FC in B(a) above c) Amount of FC in C(a) above d) Amount of FC in C(a) above e) Amount of FC in C(a) above f) Amount of FERV in C(a) above d) Amount of FC in C(a) above f) Amount of FERV in C(a) above e) Amount of FERV in C(a) above f) Amount of FC in D(a) above f) Amount of FERV in D(a) above f) Amount of FC in E(a) above	S. No.	Particulars	Accrual Basis	_	Cash Basis
c) Amount of FC in A(a) above d) Amount of FERV in A(a) above e) Amount of Hedging Cost in A(a) above 0.00 f) Amount of IEDC in A(a) above 0.00 B a) Addition in CWIP during the period b) Amount of FC in B(a) above c) Amount of FC in B(a) above d) Amount of FERV in B(a) above e) Amount of IEDC in B(a) above f) Amount of IEDC in B(a) above d) Amount of IEDC in C(a) above d) Amount of IEDC in C(a) above f) Amount of IEDC in C(a) above d) Amount of Hedging Cost in C(a) above f) Amount of IEDC in C(a) above f) Amount of IEDC in C(a) above c) Amount of IEDC in C(a) above d) Amount of IEDC in D(a) above e) Amount of FC in D(a) above d) Amount of FERV in D(a) above e) Amount of FERV in D(a) above f) Amount of IEDC in D(a) above d) Amount of IEDC in D(a) above e) Amount of IEDC in D(a) above d) Amount of FERV in E(a) above e) Amount of FERV in E(a) above d) Amount of FERV in E(a) above e) Amount of FERV in E(a) above d) Amount of FERV in E(a) above e) Amount of FERV in E(a) above	Α	a) Opening CWIP as per books	6548.45	1832.11	4716.
d) Amount of FERV in A(a) above e) Amount of Hedging Cost in A(a) above 0.00 f) Amount of IEDC in A(a) above 0.00 B a) Addition in CWIP during the period b) Amount of IDC in B(a) above c) Amount of FC in B(a) above d) Amount of FERV in B(a) above e) Amount of Hedging Cost in B(a) above f) Amount of IEDC in B(a) above f) Amount of IEDC in B(a) above d) Amount of FERV in C(a) above d) Amount of FERV in C(a) above d) Amount of FERV in C(a) above f) Amount of FERV in C(a) above f) Amount of IEDC in C(a) above f) Amount of IEDC in C(a) above d) Amount of FERV in D(a) above f) Amount of IEDC in D(a) above d) Amount of FERV in D(a) above f) Amount of FERV in D(a) above d) Amount of FERV in D(a) above f) Amount of FERV in D(a) above d) Amount of FERV in D(a) above f) Amount of FERV in D(a) above f) Amount of FERV in D(a) above f) Amount of FERV in D(a) above d) Amount of FERV in D(a) above f) Amount of FERV in D(a) above d) Amount of FERV in E(a) above		b) Amount of IDC in A(a) above	2555.22		2555
e) Amount of Hedging Cost in A(a) above (f) Amount of IEDC in A(a) above (g) Amount of IDC in B(a) above (g) Amount of FER V in B(a) above (g) Amount of FERV in B(a) above (g) Amount of IDC in C(a) above (g) Amount of FERV in C(a) above (g) Amount of FERV in C(a) above (g) Amount of IDC in D(a) above (g) Amount of IDC in D(a) above (g) Amount of IDC in D(a) above (g) Amount of FERV in E(a) above		c) Amount of FC in A(a) above	0.00		0.
f) Amount of IEDC in A(a) above D a) Addition in CWIP during the period b) Amount of IDC in B(a) above c) Amount of FERV in B(a) above d) Amount of FERV in B(a) above e) Amount of Hedging Cost in B(a) above f) Amount of IDC in C(a) above d) Amount of IDC in C(a) above d) Amount of FERV in C(a) above d) Amount of FERV in C(a) above e) Amount of Hedging Cost in C(a) above f) Amount of IDC in C(a) above d) Amount of IDC in C(a) above f) Amount of IDC in C(a) above f) Amount of IDC in C(a) above f) Amount of IDC in D(a) above c) Amount of IDC in D(a) above d) Amount of IDC in D(a) above e) Amount of FERV in D(a) above d) Amount of FERV in D(a) above f) Amount of IBCC in D(a) above e) Amount of FERV in D(a) above d) Amount of FERV in D(a) above e) Amount of FERV in D(a) above d) Amount of FERV in D(a) above e) Amount of FERV in E(a) above d) Amount of FERV in E(a) above e) Amount of FERV in E(a) above		d) Amount of FERV in A(a) above	53.82		53.
B a) Addition in CWIP during the period b) Amount of IDC in B(a) above c) Amount of FERV in B(a) above d) Amount of Hedging Cost in B(a) above e) Amount of Hedging Cost in B(a) above f) Amount of IEDC in B(a) above c) Amount of IDC in C(a) above d) Amount of IDC in C(a) above c) Amount of FERV in C(a) above d) Amount of Hedging Cost in C(a) above e) Amount of Hedging Cost in C(a) above f) Amount of IEDC in C(a) above To be provided at the time of truing-up D a) Deletion in CWIP during the period b) Amount of IDC in D(a) above c) Amount of FERV in D(a) above d) Amount of FERV in D(a) above e) Amount of Hedging Cost in D(a) above f) Amount of IEDC in D(a) above e) Amount of IEDC in D(a) above e) Amount of FERV in D(a) above e) Amount of FERV in D(a) above d) Amount of IEDC in D(a) above e) Amount of Hedging Cost in E(a) above e) Amount of FERV in E(a) above		e) Amount of Hedging Cost in A(a) above	0.00		0.
b) Amount of IDC in B(a) above c) Amount of FERV in B(a) above d) Amount of FERV in B(a) above e) Amount of Hedging Cost in B(a) above f) Amount of IEDC in B(a) above a) Transferred to Gross Block Amount during the period b) Amount of IDC in C(a) above c) Amount of FERV in C(a) above e) Amount of FERV in C(a) above e) Amount of Hedging Cost in C(a) above f) Amount of IEDC in C(a) above f) Amount of IEDC in C(a) above D a) Deletion in CWIP during the period b) Amount of IDC in D(a) above c) Amount of FERV in D(a) above d) Amount of FERV in D(a) above e) Amount of Hedging Cost in D(a) above f) Amount of IEDC in D(a) above c) Amount of Hedging Cost in D(a) above f) Amount of FERV in D(a) above c) Amount of FERV in D(a) above f) Amount of IEDC in D(a) above d) Amount of FERV in E(a) above c) Amount of FERV in E(a) above d) Amount of FERV in E(a) above e) Amount of FERV in E(a) above d) Amount of FERV in E(a) above e) Amount of FERV in E(a) above e) Amount of FERV in E(a) above e) Amount of Hedging Cost in E(a) above		f) Amount of IEDC in A(a) above	0.00		0.
c) Amount of FC in B(a) above d) Amount of FERV in B(a) above e) Amount of Hedging Cost in B(a) above f) Amount of Hedging Cost in B(a) above C a) Transferred to Gross Block Amount during the period b) Amount of IDC in C(a) above c) Amount of FCRV in C(a) above d) Amount of FERV in C(a) above e) Amount of Hedging Cost in C(a) above f) Amount of Hedging Cost in C(a) above f) Amount of IEDC in C(a) above To be provided at the time of truing-up D a) Deletion in CWIP during the period b) Amount of FCRV in D(a) above c) Amount of FCRV in D(a) above d) Amount of FERV in D(a) above e) Amount of Hedging Cost in D(a) above f) Amount of IEDC in D(a) above c) Amount of Hedging Cost in D(a) above f) Amount of FCRV in D(a) above d) Amount of IEDC in D(a) above c) Amount of IEDC in D(a) above d) Amount of FCRV in E(a) above c) Amount of FCRV in E(a) above d) Amount of FCRV in E(a) above e) Amount of FCRV in E(a) above	В				
e) Amount of Hedging Cost in B(a) above f) Amount of IEDC in B(a) above a) Transferred to Gross Block Amount during the period b) Amount of IDC in C(a) above c) Amount of FC in C(a) above d) Amount of FERV in C(a) above e) Amount of Hedging Cost in C(a) above f) Amount of IEDC in C(a) above To be provided at the time of truing-up D a) Deletion in CWIP during the period b) Amount of IDC in D(a) above c) Amount of FC in D(a) above d) Amount of FERV in D(a) above e) Amount of Hedging Cost in D(a) above f) Amount of Hedging Cost in D(a) above f) Amount of IEDC in D(a) above c) Amount of IDC in E(a) above d) Amount of IDC in E(a) above c) Amount of IDC in E(a) above d) Amount of FERV in E(a) above d) Amount of FERV in E(a) above e) Amount of FERV in E(a) above e) Amount of FERV in E(a) above e) Amount of Hedging Cost in E(a) above e) Amount of Hedging Cost in E(a) above		c) Amount of FC in B(a) above			
f) Amount of IEDC in B(a) above C a) Transferred to Gross Block Amount during the period b) Amount of IDC in C(a) above c) Amount of FC in C(a) above e) Amount of FERV in C(a) above f) Amount of Hedging Cost in C(a) above f) Amount of IEDC in C(a) above To be provided at the time of truing-up D a) Deletion in CWIP during the period b) Amount of IDC in D(a) above c) Amount of FC in D(a) above d) Amount of FERV in D(a) above e) Amount of Hedging Cost in D(a) above f) Amount of IEDC in D(a) above e) Amount of IEDC in D(a) above E a) Closing CWIP as per books b) Amount of IDC in E(a) above c) Amount of FERV in E(a) above d) Amount of FERV in E(a) above e) Amount of Hedging Cost in E(a) above e) Amount of Hedging Cost in E(a) above					
period b) Amount of IDC in C(a) above c) Amount of FC in C(a) above d) Amount of FERV in C(a) above e) Amount of Hedging Cost in C(a) above f) Amount of IEDC in C(a) above To be provided at the time of truing-up D a) Deletion in CWIP during the period b) Amount of IDC in D(a) above c) Amount of FC in D(a) above d) Amount of FERV in D(a) above e) Amount of Hedging Cost in D(a) above f) Amount of IEDC in D(a) above E a) Closing CWIP as per books b) Amount of IDC in E(a) above c) Amount of FC in E(a) above d) Amount of FERV in E(a) above e) Amount of Hedging Cost in E(a) above e) Amount of Hedging Cost in E(a) above e) Amount of Hedging Cost in E(a) above					
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e) Amount of Hedging Cost in E(a) above		, , ,			
f) Amount of IEDC in E(a) above		e) Amount of Hedging Cost in E(a) above			

PART-I FORM- N

Calculation of Interest on Normative Loan

Name of the Company :	NTPC Limited					
Name of the Power Station :	Unchahar Stage-IV					
(Amount in Rs						

						(Amou	nt in RS Lakn
S. No.	Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
1	Gross Normative Ioan – Opening	2,01,453.32	2,17,356.22	2,17,771.32	2,19,647.67	2,24,733.69	2,31,188.74
2	Cumulative repayment of Normative loan up to previous year	77,531.20	93,383.95	1,09,884.29	1,26,471.51	1,43,322.76	1,60,611.65
3	Net Normative Ioan – Opening	1,23,922.12	1,23,972.26	1,07,887.03	93,176.15	81,410.93	70,577.09
4	Add: Increase due to addition during the year / period	15421.43	415.10	1,876.35	5,086.03	6,455.05	8,619.63
5	Less: Decrease due to de-capitalisation during the year / period	201.75	0.00	0.00	0.00	0.00	0.00
6	Less: Decrease due to reversal during the year / period						
7	Add: Increase due to discharges during the year / period	683.23	0.00	0.00	0.00	0.00	0.00
8	Less: Repayment of Loan(8A-8B)	15852.75	16500.33	16587.23	16851.24	17288.89	17860.53
8A	Repayment of Loan	15941.16	16500.33	16587.23	16851.24	17288.89	17860.53
8B	Repayment Adj- Decap	88.41	0.00	0.00	0.00	0.00	0.00
11	Net Normative loan - Closing	1,23,972.26	1,07,887.03	93,176.15	81,410.93	70,577.09	61,336.19
12	Average Normative Ioan	1,23,947.19	1,15,929.65	1,00,531.59	87,293.54	75,994.01	65,956.64
13	Weighted average rate of interest	6.5287	6.6014	6.7270	7.2001	7.7443	7.7685
14	Interest on Loan	8092.10	7652.98	6762.77	6285.19	5885.24	5123.85
15	Cumulative repayment of Normative loan at the end of the period after adjustments	93,383.95	1,09,884.29	1,26,471.51	1,43,322.76	1,60,611.65	1,78,472.18

PART	1
FORM-	C

Calculation of Interest on Working Capital

Name of the Company :	NTPC Limited
Name of the Power Station :	Unchahar Stage-IV

(Amount in Rs Lakh)

						(2 11110 11111	
S. No.	Particulars	Existing 2018-19	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
1	Cost of Coal/Lignite	22,031.55	19708.10	19708.10	19708.10	19708.10	19708.10
2	Cost of Main Secondary Fuel Oil	244.18	253.15	253.15	253.15	253.85	253.15
3	Fuel Cost						
4	Liquid Fuel Stock						
5	O & M Expenses	1,276.32	1515.85	1560.97	1619.14	1681.37	1747.72
6	Maintenance Spares	3,063.17	3638.03	3746.32	3885.94	4035.29	4194.52
7	Receivables	27,720.66	26054.43	26033.44	26125.51	26250.22	26412.54
8	Total Working Capital	54335.88	51169.56	51301.99	51591.84	51928.83	52316.03
9	Rate of Interest	12.0000	11.9000	11.9000	11.9000	11.9000	11.9000
10	Interest on Working Capital	6520.31	6089.18	6104.94	6139.43	6179.53	6225.61

					PART 1 FORM-T						
	Summar	v of issue involv	ed in the petition								
Name of the Company :		NTPC Limited	ou u.o poulion								
Name of the Power Station :		Unchahar Stage	-IV								
1 Petitioner:		NTPC Limited									
Subject: Approval of tariff of Fer 31.03.2029.	oze Gandhi U	Inchahar Therm	al Power Station S	tage-IV (500 MW)	from 01.04.2024 to						
Prayer: i)Approve tariff of FGUTPS-IV for the tariff period 01.04.2024 to 31.03.2029. ii)Approve supplementary tariff of FGUTPS-IV for the tariff period 01.04.2024 to 31.03.2029. iii)Allow the recovery of filing fees as & when paid to the Hon'ble Commission and publication expenses from the beneficiaries. 3 iv)Allow reimbursement of Ash Utilization Charges directly from the beneficiaries on monthly basis, subject to true up. v)Allow the recovery of pay/wage revision as additional O&M over and above the normative O&M. vi)Consider station heat rate based on design heat rate with applicable operating margin. vii)Pass any other order as it may deem fit in the circumstances mentioned above.											
Name of Respondents 1.Uttar Pradesh Power Corp. Ltd (U											
2.Rajasthan Urja Vika Nigam Limite											
•	, ,				3.Haryana Power Purchase Centre. (HPPC)						
4.Power Development Department (PDD-J&K)											
5. Electricity Department (Chandigarh)											
6.Uttarakhand Power Corporation I	Ltd (UPCL)	rmal Power Stat	ion Stage-IV (5000	M\W\							
6.Uttarakhand Power Corporation I Project Scope : Feroze Gandhi U	Ltd (UPCL) Inchahar The			MW)							
6.Uttarakhand Power Corporation I Project Scope : Feroze Gandhi U Cost: Approved Capital Cost of	Ltd (UPCL) Inchahar The Rs 290142.51			MW)							
6.Uttarakhand Power Corporation I Project Scope : Feroze Gandhi U Cost: Approved Capital Cost of Commissioning : Station COD or	Ltd (UPCL) Inchahar The Rs 290142.51 n 30-09-2017	Lakh as on 31.0	03.2024		2028-29						
6.Uttarakhand Power Corporation I Project Scope : Feroze Gandhi U Cost: Approved Capital Cost of Commissioning : Station COD or Claim	Ltd (UPCL) Inchahar The Rs 290142.51 n 30-09-2017 2024-25	Lakh as on 31.0 2025-26	2026-27	MW) 2027-28 67.715.36	2028-29 68.846.99						
6.Uttarakhand Power Corporation I Project Scope : Feroze Gandhi U Cost: Approved Capital Cost of Commissioning : Station COD of Claim AFC (in Rs Lakh)	Ltd (UPCL) Inchahar The Rs 290142.51 n 30-09-2017	Lakh as on 31.0	03.2024	2027-28	2028-29 68,846.99 3,42,583.38						
6.Uttarakhand Power Corporation I Project Scope : Feroze Gandhi U Cost: Approved Capital Cost of Commissioning : Station COD or Claim AFC (in Rs Lakh)	Ltd (UPCL) Inchahar The Rs 290142.51 n 30-09-2017 2024-25 65,942.29	2025-26 65,772.07	2026-27 66,518.83	2027-28 67,715.36 3,30,269.63	68,846.99						
6.Uttarakhand Power Corporation I Project Scope : Feroze Gandhi U Cost: Approved Capital Cost of Commissioning : Station COD of Claim AFC (in Rs Lakh) 5 Capital cost (in Rs Lakh)	Ltd (UPCL) Inchahar The Rs 290142.51 n 30-09-2017 2024-25 65,942.29	2025-26 65,772.07	2026-27 66,518.83 3,21,048.13	2027-28 67,715.36 3,30,269.63	68,846.99						

TARIFF FILING FORMS

DETERMINATION OF SUPPLEMENTARY TARIFF FOR

Unchahar Stage IV- ECS

(From 01.04.2024 to 31.03.2029)

PART-I

APPENDIX-IA

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 Supplementary Tariff	✓ ✓			
FORM -1 (I)	Statement showing claimed capital cost	√			
FORM -1 (II)	Statement showing Return on Equity	✓			
FORM-2	ECS Characteristics	√			
FORM-3	Normative parameters considered for tariff computations	/			
	1	▼			
FORM-3A	Statement showing O&M Expenses				
FORM- 4	Details of Foreign loans	✓			
FORM- 4A	Details of Foreign Equity	NA			
FORM-5	Abstract of Admitted Capital Cost for the existing Projects	NA			
FORM-5A	Abstract of Claimed Capital Cost for the existing Projects	NA			
FORM- 6	Financial Package upto COD	NA			
FORM- 7	Details of Project Specific Loans	NA			
FORM- 8	Details of Allocation of corporate loans to various projects	✓			
FORM-9A	Summary of Statement of Additional Capitalisation claimed during the period	1			
FORM-9 ##	Statement of Additional Capitalisation after COD	✓			
FORM- 10	Financing of Additional Capitalisation	✓			
FORM- 11	Calculation of Depreciation on original project cost	NA			
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	NA			
FORM- 15	Details of Fuel for Computation of Energy Charges: Primary Fuel(Coal)	NA			
FORM- 15A	Details of Fuel for Computation of Energy Charges: Secondary Fuel(Oil)	NA			
FORM- 16	Details of Limestone for Computation of Energy Charge Rate	✓			
FORM-17	Details of Capital Spares	NA			
FORM- 18	Non-Tariff Income	NA			
FORM-19	Details of Water Charges	NA			
FORM-20	Details of Statutory Charges	NA			

Provided yearwise for the period 2019-24

^{***} Shall be provided at the time of true up

		PART-I
List o	f Supporting Forms / documents for tariff filing for Thermal Statio	ns
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	NA
FORM –J	Reconciliation of Capitalisation claimed vis-à-vis books of accounts	NA
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-Oi	Computation of Supplementary Energy Charges	✓
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

							PART-		
		_					FORM-		
	Summary of Supplementary Tariff								
	Name of the Petitioner:	NTPC Limit	ed						
	Name of the Generating Station: Unchahar Stage IV- ECS								
						Amount i	n Rs. Lakhs		
S. No.	Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29		
1	2	3	4	5	6	4	5		
1.1	Depreciation	Rs Lakh	1,821.95	1,875.59	1,891.44	1,891.44	1,891.44		
1.2	Interest on Loan	Rs Lakh	743.69	711.44	671.76	644.24	621.08		
1.3	Return on Equity	Rs Lakh	1,555.64	1,601.44	1,614.98	1,614.98	1,614.98		
1.4	Interest on Working Capital	Rs Lakh	149.17	152.07	153.91	155.61	157.48		
1.5	O&M Expenses	Rs Lakh	736.90	775.59	816.31	859.17	904.27		
	Total	Rs Lakh	5007.34	5116.12	5148.40	5165.43	5189.24		
2.1	Landed Cost of Reagent	Rs/MT	2,496	2,496	2,496	2,496	2,496		
2.2	Supplementary ECR ex-bus	Rs/ kWh	0.071	0.071	0.071	0.071	0.071		

						PART-			
	Name of the Detitioner.	NTPC Limited				FORM- 1(I)			
	Name of the Petitioner: Name of the Generating Station:	Unchahar Stage	IV- ECS						
	Name of the Generating Station.	Officialiai Stage	14- 200		Amoun	t in Rs. Lakhs			
	<u>Stater</u>	nent showing cla	imed capital co	st_					
S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29			
1	2					10			
1	Opening Capital Cost	34492.09	35953.09	36566.09	36566.09	36566.09			
2	Add: Addition during the year / period	1,461.00	613.00	-	-				
3	Less: De-capitalisation during the year / period								
4	Less: Reversal during the year / period								
5	Add: Discharges during the year / period								
6	Closing Capital Cost	35953.09	36566.09	36566.09	36566.09	36566.09			
7	Average Capital Cost	35222.59	36259.59	36566.09	36566.09	36566.09			

H	Name of the Petitioner:	NTPC Limited			
	Name of the Generating Station:	Unchahar Stage IV- ECS			
	Statement showing Return on Equity				

Statement showing Return on Equity

Amount in Rs. Lakhs

S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3				4
	Return on Equity					
1	Gross Opening Equity (Normal)	10,347.63	10,785.93	10,969.83	10,969.83	10,969.83
2	Less: Adjustment in Opening Equity					
3	Adjustment during the year					
4	Net Opening Equity (Normal)	10,347.63	10,785.93	10,969.83	10,969.83	10,969.83
5	Add: Increase in equity due to addition during the year / period	438.30	183.90	-	-	-
7	Less: Decrease due to De-capitalisation during the year / period	-	-	-	-	-
8	Less: Decrease due to reversal during the year / period	-	-	-	-	-
9	Add: Increase due to discharges during the year / period	-	-	-	-	-
10	Net closing Equity (Normal)	10,785.93	10,969.83	10,969.83	10,969.83	10,969.83
11	Average Equity (Normal)	10,566.78	10,877.88	10,969.83	10,969.83	10,969.83
12	Rate of ROE (%)	12.15	12.15	12.15	12.15	12.15
13	Effective Tax Rate for respective years	17.472%	17.472%	17.472%	17.472%	17.472%
14	Rate of Return on Equity (Pre-tax)	14.722%	14.722%	14.722%	14.722%	14.722%
15	Total ROE	1,555.64	1,601.44	1,614.98	1,614.98	1,614.98

	PART-I
	FORM-2
Name of the Company	NTPC Limited
Name of the Power Station	Unchahar Stage IV- ECS
	FGD Characteristics
Name of the Petitioner	NTPC LIMITED
Name of the Generating Station	Feroze Gandhi Unchahar Thermal Power Station
Unit(s)/Block(s)/Parameters	Stage-IV (1x500 MW)
Installed Capacity (MW)-Coal Based	Stage-I (2x210 MW)+Stage-II (2x210 MW) + Stage-III (1X210 MW) + Stage-IV (1X500 MW)
Date of Ode	11.10.2022
Type of System	Flue Gas Desulfurization System (FGD)
Name of the FGD Manufacturer	GEPIL
Design Flue Gas Quantity at WFGD inlet	2217600 NM3/h
Design Flue Gas Quantity at WFGD outlet	236586 NM3/hr
Design Coal Sulphur Content	
Design Sox At Inlet	1957 mg/NM3
Design Sox at Outlet	91 mg/NM3
Design FGD Effeciency	95.06%
Reagent Details	
Primary Reagent	Limestone
Secondary Reagent	Hydrated Lime
Alternate	
	Wet Limestone based FGD technology has been employed for control of SO2 in Unchahar Stage-IV Unit. This process is suitable for large-scale flue gas treatment, and uses a low cost absorbent (limestone), and produces stable and valuable byproducts (gypsum). The flue gas is drawn from the boiler into the FGD ductwork and forced into the absorber tower by Booster Fans. In the Absorber warm exhaust gases from the coal-fired boiler come into contact with limestone slurry which is sprayed through nozzles using Slurry Recirculation Pumps. When the warm gas comes into contact with the limestone slurry a chemical reaction occurs between the Sulphur Dioxide (SO2) in the gas and the limestone. This reaction removes the SO2 from the flue gases and converts the limestone into Calcium Sulphite. This Calcium Sulphite and limestone slurry then falls to the base of the absorber where it is injected with compressed air. The compressed air oxidises the calcium sulphite and converts it to Calcium Sulphate – commonly known as gypsum. This reaction removes the sulphur dioxide from the flue gases. The clean gas is exhausted through a new borosilicate lined chimney after removal of entrapped moisture in the mist eliminators installed inside the Absorber.
Special Technological Features	
Any other special features	Wet Chimney without Gas to Gas Heater
	<u>PETITIONER</u>

PART-I FORM- 3

Normative parameters considered for supplementary tariff computations

Name of the Petitioner:	NTPC Limited	
Name of the Generating Station:	Unchahar Stage IV- ECS	
		(Year Ending March)

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29	
1	2	7				8	
Base Rate of Return on Equity	%	12.15	12.15	12.15	12.15	12.15	
Effective Tax Rate	%	17.472	17.472	17.472	17.472	17.472	
Target Availability		85.00%	85.00%	85.00%	85.00%	85.00%	
Peak Hours		85.00%				85.00%	
Off-Peak Hours		85.00%				85.00%	
Auxiliary Energy Consumption	%	5.75	5.75	5.75	5.75	5.75	
Auxiliary Energy Consumption for emission control system (Design)	%	1.00	1.00	1.00	1.00	1.00	
Design Heat Rate	Kcal/KWh	2372.43	2372.43	2372.43	2372.43	2372.43	
Rate of Interest on Working Capital	11.90	11.90	11.90	11.90	11.90		
O&M Expenses	2						
Maintenance Spares for WC	20						
Receivables for WC	in Days			45			

FGD Date of Operation (ODe) 11.10.2022

Part-I FORM-3A ADDITIONAL FORM

Calculation of O&M Expenses

Name of the Company :	NTPC Limited	
Name of the Power Station :	Unchahar Stage IV- ECS	
		Amount in Rs. Lakhs

					Aillou	iit iii its. Eakiis
S.No	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	9				10
1	O&M expenses under Reg.36(1)(9)					
1a	Normative O&M expenses- ECS	736.90	775.59	816.31	859.17	904.27
2	O&M expenses under Reg.35(6)	0.00	0.00	0.00	0.00	0.00
3	Total O&M Expenses	736.90	775.59	816.31	859.17	904.27

Name of the Company									Form 4
Name of the Power Station									
Particulars									
Source of Loan	JPY Equ. 750Million I	JPY Equ. 750Million II	JPY Equ. 750Million V	JPY Equ. 750Million VI	Euro Loan I	JBIC Green Drawl II	JBIC Green Drawl III	USD 750 Million Drawl III	USD 750 Million Drawl IV
Drawal									
Currency	JPY	JPY	JPY	JPY	EUR	JPY	JPY	USD	USD
Amount of loan sanctioned	################	################	###############	###############	##########	###############	#################	###########	###########
Amount of Gross Loan drawn upto 19.03.2024	################	################	###############	###############	##########	###############	#################	###########	###########
Interest Type	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating
Fixed Interest Rate, if applicable	-	-	-	-	-	-	-	-	-
Base Rate, if floating interest*	6 Month JPY Libor /3 Months TONA*	6 Month JPY Libor /3 Months TONA*	6 Month JPY Libor /3 Months TONA	6 Month JPY Libor /3 Months TONA	6 Month Euribor*	6 Month JPY Libor /6 Month Compounded TONA	6 Month JPY Libor /6 Month Compounded TONA	6 Month Term SOFR*	6 Month Term SOFR*
Margin, if floating interest rate	0.80%/1.02%	0.80%/1.02%	0.80%/1.02%	0.80%/1.02%	0.95%	0.92%	0.92%	1.16933%	1.16933%
Are there any Caps / Floor	No	No	No	No	No	No	No	No	No
If above is Yes, specify Caps / Floor	-	-	-	-	-			-	-
Moratorium Period	6 Years	6 Years	6 Years	6 Years	7	3	3	4	4
Moratorium effective from	15-May-2020	15-May-2020	15-May-2020	15-May-2020	07-Jun-2021	25-Feb-2021	25-Feb-2021	25-Apr-2022	25-Apr-2022
Repayment period	1 year	1 year	1 year	1 year	payment	Half-Yearly	Half-Yearly	Yearly	Yearly
Repayment effective from	15-May-2026	15-May-2026	15-May-2026	15-May-2026	##########	17-Sep-2023	17-Sep-2023	05-Oct-2026	05-Oct-2026
Repayment frequency	Six Time	Six Time	Six Time	Six Time	One Time	Twenty Five	Twenty Five	Seven times	Seven times
Repayment installment	6,16,77,63,158	2,68,55,73,101	2,61,42,42,393	3,22,26,46,179	##########	40,00,00,000	60,00,00,000	3,57,14,286	1,42,85,714
	2,05,59,21,053	89,51,91,034	87,14,14,131	1,07,42,15,393					
Base Exchange Rate -									
Are foreign currency loan hedged	No	No	No	No	No	No	No	No	No
If above is Yes, specify details	-	-	-	-	-			-	-
Name of the Projects	%	%	%	%	%	%	%	%	%
Unchahar-IV FGD	0.84%	2.81%	2.12%	1.35%	0.62%				0.12%
Unchahar-IV FGD						4.60%	3.92%	0.37%	

Statement Giving Details of Project Financed through a Combination of Ioan Form 8 TRANCHE NO

BP NO 5050000931 T00001

BP NO 5050000931 T00001 D00001								
Unsecui	red Loan From Punjab National Bank-	V						
Source of Loan :	Punjab National Bank-V							
Currency:	INR							
Amount of Loan:	30,00,00,00,000							
Total Drawn amount :	67,00,00,000							
Date of Drawl	15.06.2021							
Interest Type :	Floating							
Fixed Interest Rate:								
Base Rate, If Floating Inte	5.70%							
Margin, If Floating Interes								
Are there any Caps/ Floor	Y/N							
Frequency of Intt. Paymen	MONTHLY							
If Above is yes, specify								
Caps/ Floor :								
Moratorium Period :	3 Years							
Moratorium effective from	15.06.2021							
Repayment Period (Inc								
Moratorium):	15 Years							
Repayment Frequency:	12 Yearly Instalment							
Repayment Type :	AVG							
First Repayment Date :	27.03.2024							
Base Exchange Rate:	RUPEE							
Date of Base Exchange R	N.A.							
Project Code	Project Name	Amount						
	BARH-I	10,00,00,000.00						
	NORTH KARANPURA	10,00,00,000.00						
	DARLIPALLI	25,00,00,000.00						
	TANDA-II	7,00,00,000.00						
	RAMMAM	2,00,00,000.00						
	TELANGANA	11,00,00,000.00						
	UNCHAHAR-IV-FGD	2,00,00,000.00						
Total	Allocated Amount	67,00,00,000.00						

Statement Giving Details of Project Financed through a Combination of Ioan Form 8

TRANCHE NO

BP NO 5050000641	T00001	D00004
	ecured Loan From HDFC Bank Ltd. V	
00		
Source of Loan :	HDFC Bank Ltd. VI	•
Currency:	INR	
Amount of Loan :	15,00,00,00,000	
Total Drawn amount :	4,30,00,00,000	
Date of drawl	01.01.2020	
Interest Type :	Floating	
Fixed Interest Rate:		
Base Rate, If Floating In	te 7.65%	
Margin, If Floating Intere	s NIL	
Are there any Caps/ Floo	or Y/N	
Frequency of Intt. Paymo	er MONTHLY	
If Above is yes, specify		
Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from	m 01.01.2020	
Repayment Period (Inc		
Moratorium) :	15 Years	
Repayment Frequency:	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	26.09.2025	
Base Exchange Rate:	RUPEE	
Date of Base Exchange	RN.A.	1
Project Code	Project Name	Amount
	BARH-I	27,00,00,000
	NORTH KARANPURA	10,00,00,000
	KHARGONE	40,00,00,000
	TELANGANA	30,00,00,000
	UNCHAHAR-FGD	20,00,00,000
	NCPS-FGD	40,00,00,000
	VINDHYACHAL-V FGD	10,00,00,000
	SIPAT-I FGD	25,00,00,000
	KORBA-I FGD	20,00,00,000
	BARH-II FGD	20,00,00,000
	RAMAGUNDAM-I FGD	20,00,00,000
	SIMHADRI-FGD	50,00,00,000
	MOUDA-II FGD	10,00,00,000
	SOLAPUR-FGD	15,00,00,000
	KUDGI-FGD	50,00,00,000
	AURAIYA SOLAR 20MW	18,00,00,000
	KAYAKULAM FLOATING	15,00,00,000
	BILHAUR SOLAR 140MW	
Tata		10,00,00,000
lota	I Allocated Amount	4,30,00,00,000

Particulars Series 74 75 Source of Loan1 BONDS BONDS Currency2 INR Amount of Loan sanctioned Interest Type6 Fixed Interest Rate, if applicat 6.87% 6.69° Base Rate, if Floating Interest N/A Margin, if Floating Interest N/A Are there any Caps/Floor9 No If above is yes,specify caps/flc Moratorium Period10 15 Years and 1 day 10	
Series 74 75 Source of Loan1 BONDS BONDS Currency2 INR INR Amount of Loan sanctioned 3,99,600 Interest Type6 Fixed Fixed Fixe Fixed Interest Rate, if applicat 6.87% 6.699 Base Rate, if Floating Interest N/A N/A Margin, if Floating Interest8 N/A N/A Are there any Caps/Floor9 No No If above is yes,specify caps/flc N/A N/A Moratorium Period10	
Series 74 75 Source of Loan1 BONDS BONDS Currency2 INR INR Amount of Loan sanctioned 3,99,600 Interest Type6 Fixed Fixed Fixe Fixed Interest Rate, if applicat 6.87% 6.699 Base Rate, if Floating Interest N/A N/A Margin, if Floating Interest8 N/A N/A Are there any Caps/Floor9 No No If above is yes,specify caps/flc N/A N/A Moratorium Period10	
Source of Loan1 BONDS BONDS Currency2 INR INR Amount of Loan sanctioned 3,99,600 Interest Type6 Fixed Fixe Fixed Interest Rate, if applicat 6.87% 6.699 Base Rate, if Floating Interest N/A N/A Margin, if Floating Interest8 N/A N/A Are there any Caps/Floor9 No No If above is yes,specify caps/flo	
Currency2 INR INR Amount of Loan sanctioned 3,99,600 Interest Type6 Fixed Fixe Fixed Interest Rate, if applicat 6.87% 6.699 Base Rate, if Floating Interest N/A N/A Margin, if Floating Interest8 N/A N/A Are there any Caps/Floor9 No No If above is yes,specify caps/flc N/A N/A Moratorium Period10	
Amount of Loan sanctioned Interest Type6 Fixed Fixed Fixed Fixed Fixed Fixed Fixed Fixed Fixed Interest Rate, if applicat Base Rate, if Floating Interest M/A Margin, if Floating Interest8 N/A Are there any Caps/Floor9 No	
Interest Type6 Fixed Fixed Fixed Fixed Interest Rate, if applicat 6.87% 6.699 Base Rate, if Floating Interest N/A N/A Margin, if Floating Interest8 N/A N/A N/A Are there any Caps/Floor9 No No If above is yes,specify caps/fld N/A N/A Moratorium Period10	
Fixed Interest Rate, if applicat 6.87% 6.699 Base Rate, if Floating Interest N/A N/A N/A Margin, if Floating Interest8 N/A N/A N/A Are there any Caps/Floor9 No No If above is yes,specify caps/fld N/A N/A Moratorium Period10	3,00,000
Base Rate, if Floating Interest N/A N/A Margin, if Floating Interest8 N/A N/A Are there any Caps/Floor9 No No If above is yes,specify caps/fld N/A N/A Moratorium Period10	d
Margin, if Floating Interest8 N/A N/A Are there any Caps/Floor9 No No If above is yes,specify caps/flo Moratorium Period10	%
Are there any Caps/Floor9 No No No If above is yes,specify caps/fld N/A N/A Moratorium Period10	
If above is yes,specify caps/flo N/A N/A Moratorium Period10	
Moratorium Period10	
15 Years and 1 day 10	
Moratorium effective from # 20-04-2021 13-09-2	2021
Repayment Period11 Bullet Repayment Bullet Rep	ayment
Repayment effective from 21-04-2036 13-09-2	2031
Repayment Frequency12	
Bullet Repayment Bullet Rep	ayment
Panayment Instalment 12 14	
Repayment Instalment13,14	0 00 000
3,99,600	3,00,000
Base Exchange Rate16 N/A N/A	
Dasc Excitatings Italie to IN/A IN/A	1
Door to Door Maturity 15 Years and 1 day 10	
10 rears and reary	
Name of the Projects	
Unchahar-IV-FGD 2750	

Name of the Lo	oan	From	То	Floating Rate of interest	Withholding Tax (WHT)	Applicability of Withholding Tax	Interest Basis	Financial year	Interest rate (incl WHT)	Loan Proportion	WAVG rate
SBI, NEW YORK	01	1-04-2019	14-05-2019	4.25500%	5.46000%	10.00000%	Act/360	2019-20	4.279574%	100%	
SBI, NEW YORK	15	5-05-2019	28-07-2019	3.98763%	5.46000%	10.00000%	Act/360	2019-20	4.010660%	100%	
SBI, NEW YORK		9-07-2019	29-01-2020	3.57750%	5.46000%	10.00000%	Act/360	2019-20	3.598161%	100%	
SBI, NEW YORK	Weighted Av	verage rate									0.00000%
JPY Equ. 350Millio	on A 01	1-04-2019	11-04-2019	0.95933%	5.46000%	100.00000%	Act/360	2019-20	1.014735%	l 100%	
JPY Equ. 350Millio		2-04-2019	10-10-2019	0.95700%	5.46000%	100.00000%	Act/360	2019-20	1.012270%	100%	
JPY Equ. 350Millio		1-10-2019	29-02-2020	0.95000%	5.46000%	100.00000%	Act/360	2019-20	1.004866%	100%	
JPY Equ. 350Millio		1-03-2020	31-03-2020	0.95000%	5.46000%	100.00000%	Act/360	2019-20	1.004866%	100%	
JPY Equ. 350Millio		1-04-2020	12-04-2020	0.95000%	5.46000%	100.00000%	Act/360	2020-21	1.004866%	100%	
JPY Equ. 350Millio		3-04-2020	11-10-2020	0.97417%	5.46000%	100.00000%	Act/360	2020-21	1.030432%	100%	
JPY Equ. 350Millio		2-10-2020	31-03-2021	0.95000%	5.46000%	100.00000%	Act/360	2020-21	1.004866%	100%	
JPY Equ. 350Millio		1-04-2021	11-04-2021	0.95000%	5.46000%	100.00000%	Act/360	2021-22	1.004866%	100%	
JPY Equ. 350Millio		2-04-2021	10-10-2021	0.95000%	5.46000%	100.00000%	Act/360	2021-22	1.004866%	100%	
JPY Equ. 350Millio		1-10-2021	31-03-2022	0.95000%	5.46000%	100.00000%	Act/360	2021-22	1.004866%	100%	
JPY Equ. 350Millio		1-04-2022	10-04-2022	0.95000%	5.46000%	100.00000%	Act/360	2022-23	1.004866%	100%	
JPY Equ. 350Millio		1-04-2022	11-07-2022	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%	
JPY Equ. 350Millio		2-07-2022	11-10-2022	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%	
JPY Equ. 350Millio		2-10-2022	11-01-2023	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%	
JPY Equ. 350Millio		2-01-2023	31-03-2023	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%	
JPY Equ. 350Millio		1-04-2023	11-04-2023	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%	
JPY Equ. 350Millio		2-04-2023	11-07-2023	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%	
JPY Equ. 350Millio		2-07-2023	11-10-2023	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%	
JPY Equ. 350Millio		2-10-2023	11-01-2024	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%	
JPY Equ. 350Millio	on A 12	2-01-2024	31-03-2024	0.96342%	5.46000%	100.00000%	Act/365	2023-24	1.019061%	100%	
JPY Equ. 350Millio											1.02190%
JPY Equ. 350Millio	on B 01	1-04-2019	11-04-2019	0.95933%	5.46000%	100.00000%	Act/360	2019-20	1.014735%	100%	1
JPY Equ. 350Millio		2-04-2019	10-10-2019	0.95700%	5.46000%	100.00000%	Act/360	2019-20	1.014733%	100%	
JPY Equ. 350Millio		1-10-2019	29-02-2020	0.95000%	5.46000%	100.00000%	Act/360	2019-20	1.004866%	100%	
JPY Equ. 350Millio		1-10-2019	31-03-2020	0.95000%	5.46000%	100.00000%	Act/360	2019-20	1.004866%	100%	
JPY Equ. 350Millio		1-03-2020	12-04-2020	0.95000%	5.46000%	100.00000%	Act/360	2020-21	1.004866%	100%	
JPY Equ. 350Millio		3-04-2020	11-10-2020	0.97417%	5.46000%	100.00000%	Act/360	2020-21	1.030432%	100%	
JPY Equ. 350Millio		2-10-2020	31-03-2021	0.95000%	5.46000%	100.00000%	Act/360	2020-21	1.004866%	100%	
JPY Equ. 350Millio		1-04-2021	11-04-2021	0.95000%	5.46000%	100.00000%	Act/360	2020-21	1.004866%	100%	
JPY Equ. 350Millio		2-04-2021 2-04-2021	10-10-2021	0.95000%	5.46000%	100.00000%	Act/360	2021-22	1.004866%	100%	
JPY Equ. 350Millio		1-10-2021	31-03-2022	0.95000%	5.46000%	100.00000%	Act/360	2021-22	1.004866%	100%	
JPY Equ. 350Millio		1-04-2021	10-04-2022	0.95000%	5.46000%	100.00000%	Act/360	2022-23	1.004866%	100%	
JPY Equ. 350Millio		1-04-2022	11-07-2022	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%	
JPY Equ. 350Millio		2-07-2022	11-10-2022	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%	
JPY Equ. 350Millio		2-10-2022	11-01-2023	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%	
JPY Equ. 350Millio		2-01-2023	31-03-2023	0.95000%	5.46000%	100.00000%	Act/365	2022-23	1.004866%	100%	
JPY Equ. 350Millio		1-04-2023	11-04-2023	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%	

_										_
JPY Equ. 350Million B	12-04-2023	11-07-2023	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%	
JPY Equ. 350Million B	12-07-2023	11-10-2023	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%	
JPY Equ. 350Million B	12-10-2023	11-01-2024	0.95000%	5.46000%	100.00000%	Act/365	2023-24	1.004866%	100%	
JPY Equ. 350Million B	12-01-2024	31-03-2024	0.96342%	5.46000%	100.00000%	Act/365	2023-24	1.019061%	100%	_
JPY Equ. 350Million B W	eighted Average	e rate								1.02190%
JPY Equ. 300Million A	01-04-2019	09-04-2019	1.02000%	5.46000%	100.00000%	Act/360	2019-20	1.078908%	100%	_
JPY Equ. 300Million A	10-04-2019	09-07-2019	1.02000%	5.46000%	100.00000%	Act/360	2019-20	1.078908%	100%	
JPY Equ. 300Million A	10-07-2019	09-01-2020	1.02000%	5.46000%	100.00000%	Act/360	2019-20	1.078908%	100%	
JPY Equ. 300Million A	10-01-2020	29-02-2020	1.03467%	5.46000%	100.00000%	Act/360	2019-20	1.094426%	100%	
JPY Equ. 300Million A	01-03-2020	31-03-2020	1.03467%	5.46000%	100.00000%	Act/360	2019-20	1.094426%	100%	
JPY Equ. 300Million A	01-04-2020	12-07-2020	1.03467%	5.46000%	100.00000%	Act/360	2020-21	1.094426%	100%	
JPY Equ. 300Million A	13-07-2020	12-01-2021	1.02000%	5.46000%	100.00000%	Act/360	2020-21	1.078908%	100%	
JPY Equ. 300Million A	13-01-2021	31-03-2021	1.02000%	5.46000%	100.00000%	Act/360	2020-21	1.078908%	100%	
JPY Equ. 300Million A	01-04-2021	12-07-2021	1.02000%	5.46000%	100.00000%	Act/360	2021-22	1.078908%	100%	
JPY Equ. 300Million A	13-07-2021	12-01-2022	1.02000%	5.46000%	100.00000%	Act/360	2021-22	1.078908%	100%	
JPY Equ. 300Million A	13-01-2022	31-03-2022	1.02000%	5.46000%	100.00000%	Act/365	2021-22	1.078908%	100%	
JPY Equ. 300Million A	01-04-2022	12-04-2022	1.02000%	5.46000%	100.00000%	Act/365	2021-22	1.078908%	100%	
JPY Equ. 300Million A	13-04-2022	12-04-2022	1.02000%	5.46000%	100.00000%	Act/365	2022-23	1.078908%	100%	
1 · · · · · · · · · · · · · · · · · · ·	13-07-2022	12-07-2022					2022-23			
JPY Equ. 300Million A			1.02000%	5.46000%	100.00000%	Act/365		1.078908%	100%	
JPY Equ. 300Million A	13-10-2022	12-01-2023	1.02000%	5.46000%	100.00000%	Act/365	2022-23	1.078908%	100%	
JPY Equ. 300Million A	13-01-2023	31-03-2023	1.02000%	5.46000%	100.00000%	Act/365	2022-23	1.078908%	100%	
JPY Equ. 300Million A	01-04-2023	12-04-2023	1.02000%	5.46000%	100.00000%	Act/365	2023-24	1.078908%	100%	
JPY Equ. 300Million A	13-04-2023	12-07-2023	1.02000%	5.46000%	100.00000%	Act/365	2023-24	1.078908%	100%	
JPY Equ. 300Million A	13-07-2023	12-10-2023	1.02000%	5.46000%	100.00000%	Act/365	2023-24	1.078908%	100%	
JPY Equ. 300Million A	13-10-2023	14-01-2024	1.02000%	5.46000%	100.00000%	Act/365	2023-24	1.078908%	100%	
JPY Equ. 300Million A	15-01-2024	31-03-2024	1.03665%	5.46000%	100.00000%	Act/365	2023-24	1.096520%	100%	
JPY Equ. 300Million A W	eighted Average	e rate								1.09950%
JPY Equ. 300Million B	01-04-2019	09-04-2019	1.02000%	5.46000%	100.00000%	Act/360	2019-20	1.078908%	100%	_
JPY Equ. 300Million B	10-04-2019	09-07-2019	1.02000%	5.46000%	100.00000%	Act/360	2019-20	1.078908%	100%	
JPY Equ. 300Million B	10-07-2019	09-01-2020	1.02000%	5.46000%	100.00000%	Act/360	2019-20	1.078908%	100%	
JPY Equ. 300Million B	10-01-2020	29-02-2020	1.03467%	5.46000%	100.00000%	Act/360	2019-20	1.094426%	100%	
JPY Equ. 300Million B	01-03-2020	31-03-2020	1.03467%	5.46000%	100.00000%	Act/360	2019-20	1.094426%	100%	
JPY Equ. 300Million B	01-04-2020	12-07-2020	1.03467%	5.46000%	100.00000%	Act/360	2020-21	1.094426%	100%	
JPY Equ. 300Million B	13-07-2020	12-01-2021	1.02000%	5.46000%	100.00000%	Act/360	2020-21	1.078908%	100%	
JPY Equ. 300Million B	13-01-2021	31-03-2021	1.02000%	5.46000%	100.00000%	Act/360	2020-21	1.078908%	100%	
JPY Equ. 300Million B	01-04-2021	12-07-2021	1.02000%	5.46000%	100.00000%	Act/360	2021-22	1.078908%	100%	
JPY Equ. 300Million B	13-07-2021	12-01-2022	1.02000%	5.46000%	100.00000%	Act/360	2021-22	1.078908%	100%	
JPY Equ. 300Million B	13-01-2022	31-03-2022	1.02000%	5.46000%	100.00000%	Act/365	2021-22	1.078908%	100%	
JPY Equ. 300Million B	01-04-2022	12-04-2022	1.02000%	5.46000%	100.00000%	Act/365	2022-23	1.078908%	100%	
JPY Equ. 300Million B	13-04-2022	12-07-2022	1.02000%	5.46000%	100.00000%	Act/365	2022-23	1.078908%	100%	
JPY Equ. 300Million B	13-07-2022	12-07-2022	1.02000%	5.46000%	100.00000%	Act/365	2022-23	1.078908%	100%	
JPY Equ. 300Million B	13-10-2022	12-10-2022	1.02000%	5.46000%	100.00000%	Act/365	2022-23	1.078908%	100%	
JPY Equ. 300Million B	13-10-2022	31-03-2023	1.02000%	5.46000%	100.00000%	Act/365	2022-23	1.078908%	100%	
JPY Equ. 300Million B									100%	
'	01-04-2023	12-04-2023	1.02000%	5.46000%	100.00000%	Act/365	2023-24	1.078908%		
JPY Equ. 300Million B	13-04-2023	12-07-2023	1.02000%	5.46000%	100.00000%	Act/365	2023-24	1.078908%	100%	
JPY Equ. 300Million B	13-07-2023	12-10-2023	1.02000%	5.46000%	100.00000%	Act/365	2023-24	1.078908%	100%	
JPY Equ. 300Million B	13-10-2023	14-01-2024	1.02000%	5.46000%	100.00000%	Act/365	2023-24	1.078908%	100%	ŀ

JPY Equ. 300Million B	15-01-2024	31-03-2024	1.03665%	5.46000%	100.00000%	Act/365	2023-24	1.096520%	100%	
JPY Equ. 300Million B W	eighted Average	e rate								1.09950%
JPY Equ. 750M Drawl (I										
to IV)	29-01-2020	29-02-2020	0.80000%	5.46000%	58.73020%	Act/360	2019-20	0.827135%	75%	
JPY Equ. 750M Drawl (I to IV)	01-03-2020	24 02 2020	0.900009/	E 460000/	E9 720200/	A at/260	2010 20	0.9271259/	75%	
JPY Equ. 750M Drawl (I	01-03-2020	31-03-2020	0.80000%	5.46000%	58.73020%	Act/360	2019-20	0.827135%	73%	
to IV)	01-04-2020	28-04-2020	0.80000%	5.46000%	58.73020%	Act/360	2020-21	0.827135%	75%	
JPY Equ. 750M Drawl (I										
to IV)	29-04-2020	29-07-2020	0.80000%	5.46000%	58.73020%	Act/360	2020-21	0.827135%	75%	
JPY Equ. 750M Drawl (I	00.07.0000	00.04.0004	0.000000/	5 400000/	50.70000/	A ./000	0000 04	0.0074050/	750/	
to IV) JPY Equ. 750M Drawl (I	30-07-2020	28-01-2021	0.80000%	5.46000%	58.73020%	Act/360	2020-21	0.827135%	75%	
to IV)	29-01-2021	31-03-2021	0.80000%	5.46000%	58.73020%	Act/360	2020-21	0.827135%	75%	
JPY Equ. 750M Drawl (I	20 01 2021	01 00 2021	0.0000070	0.4000070	00.7002070	7101/000	2020 21	0.027 10070	7070	
to IV)	01-04-2021	28-07-2021	0.80000%	5.46000%	58.73020%	Act/360	2021-22	0.827135%	75%	
JPY Equ. 750M Drawl (I										
to IV)	29-07-2021	31-08-2021	0.80000%	5.46000%	58.73020%	Act/360	2021-22	0.827135%	75%	
JPY Equ. 750M Drawl (I	04 00 0004	00.04.0000	0.000000/	F 400000/	50.70000/	A - 1/000	0004.00	0.0074050/	750/	
to IV) JPY Equ. 750M Drawl (I	01-09-2021	30-01-2022	0.80000%	5.46000%	58.73020%	Act/360	2021-22	0.827135%	75%	
to IV)	31-01-2022	31-03-2022	0.80000%	5.46000%	58.73020%	Act/365	2021-22	0.827135%	75%	
JPY Equ. 750M Drawl (I	01 01 2022	01 00 2022	0.0000070	0.1000070	00.7002070	7104,000	202.22	0.027 10070	1070	
to IV)	01-04-2022	27-04-2022	0.80000%	5.46000%	58.73020%	Act/365	2022-23	0.827135%	75%	
JPY Equ. 750M Drawl (I										
to IV)	28-04-2022	27-07-2022	0.80000%	5.46000%	58.73020%	Act/365	2022-23	0.827135%	75%	
JPY Equ. 750M Drawl (I to IV)	00.07.0000	07.40.0000	0.000000/	F 400000/	50.70000/	A - 1/005	0000 00	0.0074050/	750/	
JPY Equ. 750M Drawl (I	28-07-2022	27-10-2022	0.80000%	5.46000%	58.73020%	Act/365	2022-23	0.827135%	75%	
to IV)	28-10-2022	29-01-2023	0.80000%	5.46000%	58.73020%	Act/365	2022-23	0.827135%	75%	
JPY Equ. 750M Drawl (I	20 10 2022	20 01 2020	0.0000070	0.4000070	00.7002070	7101/000	2022 20	0.027 10070	7070	
to IV)	30-01-2023	31-03-2023	0.80000%	5.46000%	58.73020%	Act/365	2022-23	0.827135%	75%	
JPY Equ. 750M Drawl (I										
to IV)	01-04-2023	27-04-2023	0.80000%	5.46000%	58.73020%	Act/365	2023-24	0.827135%	75%	
JPY Equ. 750M Drawl (I	00.04.0000	00.07.0000	0.000000/	5 400000/	50.70000/	A ./005	0000 04	0.0074050/	750/	
to IV)	28-04-2023	30-07-2023	0.80000%	5.46000%	58.73020%	Act/365	2023-24	0.827135%	75%	
JPY Equ. 750M Drawl (I to IV)	31-07-2023	29-10-2023	0.80000%	5.46000%	58.73020%	Act/365	2023-24	0.827135%	75%	
JPY Equ. 750M Drawl (I	31-07-2023	29-10-2023	0.0000078	3.4000078	30.7302076	ACI/303	2025-24	0.027 13370	1370	
to IV)	30-10-2023	30-01-2024	0.80000%	5.46000%	58.73020%	Act/365	2023-24	0.827135%	75%	
JPY Equ. 750M Drawl (I										
to IV)	31-01-2024	31-03-2024	0.83190%	5.46000%	58.73020%	Act/365	2023-24	0.860117%	75%	
JPY Equ. 750M Drawl (I										
to IV)	29-01-2020	29-02-2020	1.02000%	5.46000%	52.38100%	Act/360	2019-20	1.050857%	25%	
JPY Equ. 750M Drawl (I to IV)	01-03-2020	31-03-2020	1 020000/	E 460000/	52 294000/	Act/360	2019-20	1 0500570/	25%	
O 1 V)	01-03-2020	31-03-2020	1.02000%	5.46000%	52.38100%	AUI/300	2019-20	1.050857%	25%	

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JPY Equ. 750M Drawl (I to IV)	01-04-2020	28-04-2020	1.02000%	5.46000%	52.38100%	Act/360	2020-21	1.050857%	25%	
JPY Equ. 750M Drawl (I	01 04 2020	20 04 2020	1.0200070	3.4000070	32.3010070	Action		1.00000770		
to IV) JPY Equ. 750M Drawl (I	29-04-2020	29-07-2020	1.02000%	5.46000%	52.38100%	Act/360	2020-21	1.050857%	25%	
to IV)	30-07-2020	28-01-2021	1.02000%	5.46000%	52.38100%	Act/360	2020-21	1.050857%	25%	
JPY Equ. 750M Drawl (I to IV)	29-01-2021	31-03-2021	1.02000%	5.46000%	52.38100%	Act/360	2020-21	1.050857%	25%	
JPY Equ. 750M Drawl (I to IV)	01-04-2021	28-07-2021	1.02000%	5.46000%	52.38100%	Act/360	2021-22	1.050857%	25%	
JPY Equ. 750M Drawl (I	01 04 2021	20 07 2021	1.0200070	0.4000070	02.0010070	7100'000	2021 22	1.00000770	2070	
to IV) JPY Equ. 750M Drawl (I	29-07-2021	31-08-2021	1.02000%	5.46000%	52.38100%	Act/360	2021-22	1.050857%	25%	
to IV)	01-09-2021	30-01-2022	1.02000%	5.46000%	52.38100%	Act/360	2021-22	1.050857%	25%	
JPY Equ. 750M Drawl (I to IV)	31-01-2022	31-03-2022	1.02000%	5.46000%	52.38100%	Act/365	2021-22	1.050857%	25%	
JPY Equ. 750M Drawl (I	31-01-2022	31-03-2022	1.02000%	5.46000%	52.36100%	ACI/303	2021-22	1.050657%	25%	
to IV)	01-04-2022	27-04-2022	1.02000%	5.46000%	52.38100%	Act/365	2022-23	1.050857%	25%	
JPY Equ. 750M Drawl (I to IV)	28-04-2022	27-07-2022	1.02000%	5.46000%	52.38100%	Act/365	2022-23	1.050857%	25%	
JPY Equ. 750M Drawl (I										
to IV) JPY Equ. 750M Drawl (I	28-07-2022	27-10-2022	1.02000%	5.46000%	52.38100%	Act/365	2022-23	1.050857%	25%	
to IV)	28-10-2022	29-01-2023	1.02000%	5.46000%	52.38100%	Act/365	2022-23	1.050857%	25%	
JPY Equ. 750M Drawl (I to IV)	30-01-2023	31-03-2023	1.02000%	5.46000%	52.38100%	Act/365	2022-23	1.050857%	25%	
JPY Equ. 750M Drawl (I to IV)	01-04-2023	27-04-2023	1.02000%	5.46000%	52.38100%	Act/365	2023-24	1.050857%	25%	
JPY Equ. 750M Drawl (I										
to IV) JPY Equ. 750M Drawl (I	28-04-2023	30-07-2023	1.02000%	5.46000%	52.38100%	Act/365	2023-24	1.050857%	25%	
to IV) JPY Equ. 750M Drawl (I	31-07-2023	29-10-2023	1.02000%	5.46000%	52.38100%	Act/365	2023-24	1.050857%	25%	
to IV)	30-10-2023	30-01-2024	1.02000%	5.46000%	52.38100%	Act/365	2023-24	1.050857%	25%	
JPY Equ. 750M Drawl (I to IV)	31-01-2024	31-03-2024	1.05190%	5.46000%	52.38100%	Act/365	2023-24	1.083722%	25%	
JPY Equ. 750M Drawl (I to			1.03190%	5.46000%	32.36100%	ACI/303	2023-24	1.00372276	23%	0.91850%
JPY Equ. 750M Drawl (V-										
VI) JPY Equ. 750M Drawl (V-	27-11-2020	25-02-2021	0.80000%	5.46000%	0.00000%	Act/360	2020-21	0.800000%	75%	
VI)	26-02-2021	31-03-2021	0.80000%	5.46000%	0.00000%	Act/360	2020-21	0.800000%	75%	
JPY Equ. 750M Drawl (V-VI)		20.07.2024	0.0000000	F 460000/	0.0000001	A at /260	2024 22	0.9000000/	750/	
JPY Equ. 750M Drawl (V-	01-04-2021	28-07-2021	0.80000%	5.46000%	0.00000%	Act/360	2021-22	0.800000%	75%	
VI)	29-07-2021	31-08-2021	0.80000%	5.46000%	0.00000%	Act/360	2021-22	0.800000%	75%	
JPY Equ. 750M Drawl (V- VI)	01-09-2021	30-01-2022	0.80000%	5.46000%	0.00000%	Act/360	2021-22	0.800000%	75%	

JPY Equ. 750M Drawl (V-									
VI) JPY Equ. 750M Drawl (V-	31-01-2022	31-03-2022	0.80000%	5.46000%	0.00000%	Act/365	2021-22	0.800000%	75%
VI) JPY Equ. 750M Drawl (V-	01-04-2022	27-04-2022	0.80000%	5.46000%	0.00000%	Act/365	2022-23	0.800000%	75%
VI)	28-04-2022	27-07-2022	0.80000%	5.46000%	0.00000%	Act/365	2022-23	0.800000%	75%
JPY Equ. 750M Drawl (V-VI)	28-07-2022	27-10-2022	0.80000%	5.46000%	0.00000%	Act/365	2022-23	0.800000%	75%
JPY Equ. 750M Drawl (V-VI)	28-10-2022	29-01-2023	0.80000%	5.46000%	0.00000%	Act/365	2022-23	0.800000%	75%
JPY Equ. 750M Drawl (V-VI)	30-01-2023	31-03-2023	0.80000%	5.46000%	0.00000%	Act/365	2022-23	0.800000%	75%
JPY Equ. 750M Drawl (V-VI)	01-04-2023	27-04-2023	0.80000%	5.46000%	0.00000%	Act/365	2023-24	0.800000%	75%
JPY Equ. 750M Drawl (V-VI)	28-04-2023	30-07-2023	0.80000%	5.46000%	0.00000%	Act/365	2023-24	0.800000%	75%
JPY Equ. 750M Drawl (V-VI)	31-07-2023	29-10-2023	0.80000%	5.46000%	0.00000%	Act/365	2023-24	0.800000%	75%
JPY Equ. 750M Drawl (V- VI)	30-10-2023	30-01-2024	0.80000%	5.46000%	0.00000%	Act/365	2023-24	0.800000%	75%
JPY Equ. 750M Drawl (V- VI)	31-01-2024	31-03-2024	0.83190%	5.46000%	0.00000%	Act/365	2023-24	0.831900%	75%
JPY Equ. 750M Drawl (V-VI)	27-11-2020	25-02-2021	1.02000%	5.46000%	0.00000%	Act/360	2020-21	1.020000%	25%
JPY Equ. 750M Drawl (V- VI)	26-02-2021	31-03-2021	1.02000%	5.46000%	0.00000%	Act/360	2020-21	1.020000%	25%
JPY Equ. 750M Drawl (V-VI)	01-04-2021	28-07-2021	1.02000%	5.46000%	0.00000%	Act/360	2021-22	1.020000%	25%
JPY Equ. 750M Drawl (V-VI)	29-07-2021	31-08-2021	1.02000%	5.46000%	0.00000%	Act/360	2021-22	1.020000%	25%
JPY Equ. 750M Drawl (V-VI)	01-09-2021	30-01-2022	1.02000%	5.46000%	0.00000%	Act/360	2021-22	1.020000%	25%
JPY Equ. 750M Drawl (V- VI)	31-01-2022	31-03-2022	1.02000%	5.46000%	0.00000%	Act/365	2021-22	1.020000%	25%
JPY Equ. 750M Drawl (V-VI)	01-04-2022	27-04-2022	1.02000%	5.46000%	0.00000%	Act/365	2022-23	1.020000%	25%
JPY Equ. 750M Drawl (V-VI)	28-04-2022	27-07-2022	1.02000%	5.46000%	0.00000%	Act/365	2022-23	1.020000%	25%
JPY Equ. 750M Drawl (V-VI)	28-07-2022	27-10-2022	1.02000%	5.46000%	0.00000%	Act/365	2022-23	1.020000%	25%
JPY Equ. 750M Drawl (V-VI)	28-10-2022	29-01-2023	1.02000%	5.46000%	0.00000%	Act/365	2022-23	1.020000%	25%
JPY Equ. 750M Drawl (V-VI)	30-01-2023	31-03-2023	1.02000%	5.46000%	0.00000%	Act/365	2022-23	1.020000%	25%
JPY Equ. 750M Drawl (V-VI)	01-04-2023	27-04-2023	1.02000%	5.46000%	0.00000%	Act/365	2023-24	1.020000%	25%
JPY Equ. 750M Drawl (V-VI)	28-04-2023	30-07-2023	1.02000%	5.46000%	0.00000%	Act/365	2023-24	1.020000%	25%
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IDV Face 750M Drovd ()/										1
JPY Equ. 750M Drawl (V-VI)		20.40.2022	1.000000/	F 460000/	0.000000/	A at/265	2022.24	1.0200000/	050/	
JPY Equ. 750M Drawl (V-	31-07-2023	29-10-2023	1.02000%	5.46000%	0.00000%	Act/365	2023-24	1.020000%	25%	
VI)	30-10-2023	30-01-2024	1.02000%	5.46000%	0.00000%	Act/365	2023-24	1.020000%	25%	
JPY Equ. 750M Drawl (V-		30-01-2024	1.0200076	3.40000 /6	0.0000076	ACI/303	2023-24	1.02000078	25 /6	
VI)	31-01-2024	31-03-2024	1.05190%	5.46000%	0.00000%	Act/365	2023-24	1.051900%	25%	
JPY Equ. 750M Drawl (V-			1.0313070	3.4000070	0.0000070	A01/303	2023 24	1.03130070	2570	0.88930%
01 1 Equ. 100M Blaw (1	vij vveigilieu /	werage rate								0.0000070
Mizuho II	01-04-2019	14-07-2019	4.11463%	5.46000%	100.00000%	Act/360	2019-20	4.352264%	100%	
Mizuho II	15-07-2019	14-01-2020	3.46263%	5.46000%	100.00000%	Act/360	2019-20	3.662608%	100%	
Mizuho II	15-01-2020	25-03-2020	3.05720%	5.46000%	100.00000%	Act/360	2019-20	3.233763%	100%	
Mizuho II	26-03-2020	31-03-2020	2.23213%	5.46000%	100.00000%	Act/360	2019-20	2.361043%	100%	
Mizuho II	01-04-2020	27-09-2020	2.23213%	5.46000%	100.00000%	Act/360	2020-21	2.361043%	100%	
Mizuho II	28-09-2020	25-03-2021	1.52350%	5.46000%	100.00000%	Act/360	2020-21	1.611487%	100%	
Mizuho II	26-03-2021	31-03-2021	1.45950%	5.46000%	100.00000%	Act/360	2020-21	1.543791%	100%	
Mizuho II	01-04-2021	31-08-2021	1.45950%	5.46000%	100.00000%	Act/360	2021-22	1.543791%	100%	
Mizuho II	01-09-2021	27-09-2021	1.45950%	5.46000%	100.00000%	Act/360	2021-22	1.543791%	100%	
Mizuho II Weighted Avera	age rate									0.00000%
, and the second second										
Euro Loan I Drawl I	07-06-2021	05-12-2021	0.95000%	1.77703%		Act/360	2021-22	0.966882%	100%	
Euro Loan I Drawl I	06-12-2021	31-03-2022	0.95000%	1.77703%		Act/360	2021-22	0.966882%	100%	
Euro Loan I Drawl I	01-04-2022	05-06-2022	0.95000%	1.77703%		Act/360	2022-23	0.966882%	100%	
Euro Loan I Drawl I	06-06-2022	05-12-2022	0.95000%	1.77703%		Act/360	2022-23	0.966882%	100%	
Euro Loan I Drawl I	06-12-2022	31-03-2023	3.35600%	1.77703%		Act/360	2022-23	3.415637%	100%	
Euro Loan I Drawl I	01-04-2023	05-06-2023	3.35600%	1.77703%		Act/360	2023-24	3.415637%	100%	
Euro Loan I Drawl I	06-06-2023	05-12-2023	4.67800%	1.77703%		Act/360	2023-24	4.761129%	100%	
Euro Loan I Drawl I	06-12-2023	31-03-2024	4.89500%	1.77703%		Act/360	2023-24	4.981985%	100%	
Euro Loan I Drawl I Weig	hted Average ra	ate								5.06500%
Euro Loan I Drawl II	11-08-2021	31-08-2021	0.95000%	1.743516%		Act/360	2021-22	0.966563%	100%	
Euro Loan I Drawl II	01-09-2021	05-12-2021	0.95000%	1.743516%		Act/360	2021-22	0.966563%	100%	
Euro Loan I Drawl II	06-12-2021	31-03-2022	0.95000%	1.743516%		Act/360	2021-22	0.966563%	100%	
Euro Loan I Drawl II	01-04-2022	05-06-2022	0.95000%	1.743516%		Act/360	2022-23	0.966563%	100%	
Euro Loan I Drawl II	06-06-2022	05-12-2022	0.95000%	1.743516%		Act/360	2022-23	0.966563%	100%	
Euro Loan I Drawl II	06-12-2022	31-03-2023	3.35600%	1.743516%		Act/360	2022-23	3.414512%	100%	
Euro Loan I Drawl II	01-04-2023	05-06-2023	3.35600%	1.743516%		Act/360	2023-24	3.414512%	100%	
Euro Loan I Drawl II	06-06-2023	05-12-2023	4.67800%	1.743516%		Act/360	2023-24	4.759562%	100%	
Euro Loan I Drawl II	06-12-2023	31-03-2024	4.89500%	1.743516%		Act/360	2023-24	4.980345%	100%	
Euro Loan I Drawl II Weig	hted Average i	rate								5.06340%
Euro Loan I Drawl III	21-09-2021	05-12-2021	0.95000%	1.743516%		Act/360	2021-22	0.966563%	100%	_
Euro Loan I Drawl III	06-12-2021	31-03-2022	0.95000%	1.743516%		Act/360	2021-22	0.966563%	100%	
Euro Loan I Drawl III	01-04-2022	05-06-2022	0.95000%	1.743516%		Act/360	2022-23	0.966563%	100%	
Euro Loan I Drawl III	06-06-2022	05-12-2022	0.95000%	1.743516%		Act/360	2022-23	0.966563%	100%	
Euro Loan I Drawl III	06-12-2022	31-03-2023	3.35600%	1.743516%		Act/360	2022-23	3.414512%	100%	
Euro Loan I Drawl III	01-04-2023	05-06-2023	3.35600%	1.743516%		Act/360	2023-24	3.414512%	100%	
•	_	_	-			-		· -		•

Euro Loan I Drawl III Euro Loan I Drawl III	06-06-2023 06-12-2023	05-12-2023 31-03-2024	4.67800% 4.89500%	1.743516% 1.743516%		Act/360 Act/360	2023-24 2023-24	4.759562% 4.980345%	100% 100%	_
Euro Loan I Drawl III Wei	ghted Average	rate								5.06340%
USD 750 Million Drawl I	25-04-2022	24-07-2022	2.12913%	0		Act/360	2022-23	2.129130%	87%	_
USD 750 Million Drawl I				-						
USD 750 Million Drawl I	25-07-2022	24-10-2022	3.72092%	0		Act/360	2022-23	3.720920%	87%	
USD 750 Million Drawl I	25-10-2022	31-03-2023	5.67396%	0		Act/360	2022-23	5.673960%	87%	
USD 750 Million Drawl I	01-04-2023	24-04-2023	5.67396%	0		Act/360	2023-24	5.673960%	87%	
USD 750 Million Drawl I	25-04-2023	24-10-2023	6.26834%	0		Act/360	2023-24	6.268340%	87%	
USD 750 Million Drawl I	25-10-2023	31-03-2024	6.61909%	0		Act/360	2023-24	6.619090%	87%	
	25-04-2022	24-07-2022	2.04913%	5.46000%	100.00000%	Act/360	2022-23	2.167474%	13%	
USD 750 Million Drawl I	25-07-2022	24-10-2022	3.64092%	5.46000%	100.00000%	Act/360	2022-23	3.851195%	13%	
USD 750 Million Drawl I	25-10-2022	31-03-2023	5.59396%	5.46000%	100.00000%	Act/360	2022-23	5.917030%	13%	
USD 750 Million Drawl I	01-04-2023	24-04-2023	5.59396%	5.46000%	100.00000%	Act/360	2023-24	5.917030%	13%	
USD 750 Million Drawl I	25-04-2023	24-10-2023	6.26834%	5.46000%	100.00000%	Act/360	2023-24	6.630358%	13%	
USD 750 Million Drawl I										
USD 750 Million Drawl I V	25-10-2023 Veighted Avera	31-03-2024 age rate	6.53909%	5.46000%	100.00000%	Act/360	2023-24	6.916744%	13%	6.76980%
USD 750 Million Drawl II										
USD 750 Million Drawl II	29-07-2022	24-10-2022	3.75674%	0		Act/360	2022-23	3.756740%	87%	
USD 750 Million Drawl II	25-10-2022	31-03-2023	5.67396%	0		Act/360	2022-23	5.673960%	87%	
USD 750 Million Drawl II	01-04-2023	24-04-2023	5.67396%	0		Act/360	2023-24	5.673960%	87%	
	25-04-2023	24-10-2023	6.26834%	0		Act/360	2023-24	6.268340%	87%	
USD 750 Million Drawl II	25-10-2023	31-03-2024	6.61909%	0		Act/360	2023-24	6.619090%	87%	
USD 750 Million Drawl II	29-07-2022	24-10-2022	3.67674%	5.46000%	100.00000%	Act/360	2022-23	3.889084%	13%	
USD 750 Million Drawl II	25-10-2022	31-03-2023	5.59396%	5.46000%	100.00000%	Act/360	2022-23	5.917030%	13%	
USD 750 Million Drawl II	01-04-2023	24-04-2023	5.59396%	5.46000%	100.00000%	Act/360	2023-24	5.917030%	13%	
USD 750 Million Drawl II										
	25-04-2023	24-10-2023	6.26834%	5.46000%	100.00000%	Act/360	2023-24	6.630358%	13%	

USD 750 Million Drawl II	25-10-2023	31-03-2024	6.53909%	5.46000%	100.00000%	Act/360	2023-24	6.916744%	13%	
USD 750 Million Drawl II V			0.0000070	3.4000078	100.0000070	Action	2023 24	0.51074470	1370	6.76980%
USD 750 Million Drawl III										'
USD 750 Million Drawl III	28-09-2022	24-10-2022	4.41820%	0		Act/360	2022-23	4.418200%	87%	
	25-10-2022	31-03-2023	5.67396%	0		Act/360	2022-23	5.673960%	87%	
USD 750 Million Drawl III	01-04-2023	24-04-2023	5.67396%	0		Act/360	2023-24	5.673960%	87%	
USD 750 Million Drawl III	25-04-2023	24-10-2023	6.26834%	0		Act/360	2023-24	6.268340%	87%	
USD 750 Million Drawl III				_						
USD 750 Million Drawl III	25-10-2023	31-03-2024	6.61909%	0		Act/360	2023-24	6.619090%	87%	
USD 750 Million Drawl III	28-09-2022	24-10-2022	4.06820%	5.46000%	100.00000%	Act/360	2022-23	4.303152%	13%	
	25-10-2022	31-03-2023	5.59396%	5.46000%	100.00000%	Act/360	2022-23	5.917030%	13%	
USD 750 Million Drawl III	01-04-2023	24-04-2023	5.59396%	5.46000%	100.00000%	Act/360	2023-24	5.917030%	13%	
USD 750 Million Drawl III										
USD 750 Million Drawl III	25-04-2023	24-10-2023	6.26834%	5.46000%	100.00000%	Act/360	2023-24	6.630358%	13%	
USD 750 Million Drawl III	25-10-2023	31-03-2024	6.53909%	5.46000%	100.00000%	Act/360	2023-24	6.916744%	13%	6.76980%
										0.7098078
USD 750 Million Drawl IV		31-03-2023	5.71764%	0		Act/360	2022-23	5.717640%	87%	
USD 750 Million Drawl IV		24-04-2023	5.71764%	0		Act/360	2023-24	5.717640%	87%	
USD 750 Million Drawl IV	25-04-2023	24-10-2023	6.26834%	0		Act/360	2023-24	6.268340%	87%	
USD 750 Million Drawl IV	25-10-2023	31-03-2024	6.61909%	0		Act/360	2023-24	6.619090%	87%	
USD 750 Million Drawl IV	09-11-2022	31-03-2023	5.63764%	5.46000%	100.00000%	Act/360	2022-23	5.963232%	13%	
USD 750 Million Drawl IV	01-04-2023	24-04-2023	5.63764%	5.46000%	100.00000%	Act/360	2023-24	5.963232%	13%	
USD 750 Million Drawl IV	25-04-2023	24-10-2023	6.26834%	5.46000%	100.00000%	Act/360	2023-24	6.630358%	13%	
USD 750 Million Drawl IV	25-10-2023	31-03-2024	6.53909%	5.46000%	100.00000%	Act/360	2023-24	6.916744%	13%	
USD 750 Million Drawl IV	Weighted Aver	age rate								6.76980%
USD 750 Million Drawl V	23-12-2022	31-03-2023	5.71764%	0		Act/360	2022-23	5.717640%	87%	
USD 750 Million Drawl V	01-04-2023	24-04-2023	5.71764%	0		Act/360	2023-24	5.717640%	87%	
USD 750 Million Drawl V	25-04-2023	24-10-2023	6.26834%	0		Act/360	2023-24	6.268340%	87%	
USD 750 Million Drawl V	25-10-2023	31-03-2024	6.61909%	0		Act/360	2023-24	6.619090%	87%	
USD 750 Million Drawl V	23-12-2022	31-03-2023	5.63764%	5.46000%	100.00000%	Act/360	2022-23	5.963232%	13%	
USD 750 Million Drawl V	01-04-2023	24-04-2023	5.63764%	5.46000%	100.00000%	Act/360	2023-24	5.963232%	13%	
USD 750 Million Drawl V	25-04-2023	24-10-2023	6.26834%	5.46000%	100.00000%	Act/360	2023-24	6.630358%	13%	
USD 750 Million Drawl V	25-10-2023	31-03-2024	6.53909%	5.46000%	100.00000%	Act/360	2023-24	6.916744%	13%	
USD 750 Million Drawl V \			0.0000070	J. 1 0000 /0	100.0000070	700/300	2020-24	0.51074470	10 /0	6.76980%
OOD 730 WIIIION DIAWI V V	veignied Aveia	<u></u>								0.7090076
USD 750 Million Drawl VI	08-02-2023	31-03-2023	5.71764%	0		Act/360	2022-23	5.717640%	87%	•
USD 750 Million Drawl VI		24-04-2023	5.71764%	0		Act/360	2023-24	5.717640%	87%	

•										
USD 750 Million Drawl VI		24-10-2023	6.26834%	0		Act/360	2023-24	6.268340%	87%	
USD 750 Million Drawl VI		31-03-2024	6.61909%	0		Act/360	2023-24	6.619090%	87%	
USD 750 Million Drawl VI		31-03-2023	5.63764%	5.46000%	100.00000%	Act/360	2022-23	5.963232%	13%	
USD 750 Million Drawl VI		24-04-2023	5.63764%	5.46000%	100.00000%	Act/360	2023-24	5.963232%	13%	
USD 750 Million Drawl VI		24-10-2023	6.26834%	5.46000%	100.00000%	Act/360	2023-24	6.630358%	13%	
USD 750 Million Drawl VI		31-03-2024	6.53909%	5.46000%	100.00000%	Act/360	2023-24	6.916744%	13%	- 1
USD 750 Million Drawl VI	Weighted Avera	age rate								6.76980%
JPY Equ. \$400 Million Dra	15-05-2023	14-11-2023	1.20000%	0		Act/365	2023-24	1.200000%	100%	- 1
JPY Equ. \$400 Million Dra	15-11-2023	31-03-2024	1.21218%	0		Act/365	2023-24	1.212180%	100%	
JPY Equ. \$400 Million Dra	wl I Weighted	Average rate								1.21550%
JPY Equ. \$400 Million Dra	24-07-2023	14-11-2023	1.20000%	0		Act/365	2023-24	1.200000%	100%	
JPY Equ. \$400 Million Dra		31-03-2024	1.21218%	0		Act/365	2023-24	1.212180%	100%	
JPY Equ. \$400 Million Dra			1.2121070	, and the second		7100/000	2020 2 1	1.21210070	10070	1.21550%
		rivorago rato								1.2100070
JPY Equ. \$400 Million Dra		14-11-2023	1.20000%	0		Act/365	2023-24	1.200000%	100%	
JPY Equ. \$400 Million Dra	15-11-2023	31-03-2024	1.21218%	0		Act/365	2023-24	1.212180%	100%	_
JPY Equ. \$400 Million Dra	wl III Weighted	Average rate								1.21550%
JPY Equ. \$400 Million Dra	22-12-2023	31-03-2024	1.21886%	0		Act/365	2023-24	1.218860%	100%	
JPY Equ. \$400 Million Dra										1.22220%
JBIC Green I Drawl I	25-02-2021	16-03-2021	0.92000%	0.00000%		Act/360	2020-21	0.920000%	100%	
JBIC Green I Drawl I	17-03-2021	31-03-2021	0.92000%	0.00000%		Act/360	2020-21	0.920000%	100%	
JBIC Green I Drawl I	01-04-2021	16-09-2021	0.92000%	0.00000%		Act/360	2021-22	0.920000%	100%	
JBIC Green I Drawl I	17-09-2021	16-03-2022	0.92000%	0.00000%		Act/360	2021-22	0.920000%	100%	
JBIC Green I Drawl I	17-03-2022	31-03-2022	0.96017%	0.00000%		Act/360	2021-22	0.960170%	100%	
JBIC Green I Drawl I	01-04-2022	19-09-2022	0.96017%	0.00000%		Act/360	2022-23	0.960170%	100%	
JBIC Green I Drawl I	20-09-2022	16-03-2023	0.93264%	0.00000%		Act/360	2022-23	0.932640%	100%	
JBIC Green I Drawl I	17-03-2023	31-03-2023	0.93557%	0.00000%		Act/360	2022-23	0.935570%	100%	
JBIC Green I Drawl I	01-04-2023	18-09-2023	0.93557%	0.00000%		Act/360	2023-24	0.935570%	100%	
JBIC Green I Drawl I	19-09-2023	17-03-2024	0.95966%	0.00000%		Act/360	2023-24	0.959660%	100%	
JBIC Green I Drawl I	18-03-2024	31-03-2024	1.07223%	0.00000%		Act/360	2023-24	1.072230%	100%	
JBIC Green I Drawl I Weig	ghted Average	rate								1.09010%
JBIC Green I Drawl II	27-09-2021	16-03-2022	0.92000%	0.00000%		Act/360	2021-22	0.920000%	100%	•
JBIC Green I Drawl II	17-03-2022	31-03-2022	0.96017%	0.00000%		Act/360	2021-22	0.960170%	100%	
JBIC Green I Drawl II	01-04-2022	19-09-2022	0.96017%	0.00000%		Act/360	2022-23	0.960170%	100%	
JBIC Green I Drawl II	20-09-2022	16-03-2023	0.93264%	0.00000%		Act/360	2022-23	0.932640%	100%	
JBIC Green I Drawl II	17-03-2023	31-03-2023	0.93557%	0.00000%		Act/360	2022-23	0.935570%	100%	
JBIC Green I Drawl II	01-04-2023	18-09-2023	0.93557%	0.00000%		Act/360	2023-24	0.935570%	100%	
JBIC Green I Drawl II	19-09-2023	17-03-2024	0.95966%	0.00000%		Act/360	2023-24	0.959660%	100%	
JBIC Green I Drawl II	18-03-2024	31-03-2024	1.07223%	0.00000%		Act/360	2023-24	1.072230%	100%	
JBIC Green I Drawl II We										1.09010%
	· ·									
JBIC Green I Drawl III	11-01-2022	16-03-2022	0.92000%	0.00000%		Act/360	2021-22	0.920000%	100%	
JBIC Green I Drawl III	17-03-2022	31-03-2022	0.96017%	0.00000%		Act/360	2021-22	0.960170%	100%	
JBIC Green I Drawl III	01-04-2022	19-09-2022	0.96017%	0.00000%		Act/360	2022-23	0.960170%	100%	

JBIC Green I Drawl III	20-09-2022	16-03-2023	0.93264%	0.00000%	Act/360	2022-23	0.932640%	100%	
JBIC Green I Drawl III	17-03-2023	31-03-2023	0.93557%	0.00000%	Act/360	2022-23	0.935570%	100%	
JBIC Green I Drawl III	01-04-2023	18-09-2023	0.93557%	0.00000%	Act/360	2023-24	0.935570%	100%	
JBIC Green I Drawl III	19-09-2023	17-03-2024	0.95966%	0.00000%	Act/360	2023-24	0.959660%	100%	
JBIC Green I Drawl III	18-03-2024	31-03-2024	1.07223%	0.00000%	Act/360	2023-24	1.072230%	100%	
JBIC Green I Drawl III W	eighted Averag	je rate							1.09010%
JBIC Green I Drawl IV	28-04-2022	19-09-2022	0.95702%	0.00000%	Act/360	2022-23	0.957020%	100%	
JBIC Green I Drawl IV	20-09-2022	16-03-2023	0.93264%	0.00000%	Act/360	2022-23	0.932640%	100%	
JBIC Green I Drawl IV	17-03-2023	31-03-2023	0.93557%	0.00000%	Act/360	2022-23	0.935570%	100%	
JBIC Green I Drawl IV	01-04-2023	18-09-2023	0.93557%	0.00000%	Act/360	2023-24	0.935570%	100%	
JBIC Green I Drawl IV	19-09-2023	17-03-2024	0.95966%	0.00000%	Act/360	2023-24	0.959660%	100%	
JBIC Green I Drawl IV	18-03-2024	31-03-2024	1.07223%	0.00000%	Act/360	2023-24	1.072230%	100%	_
JBIC Green I Drawl IV W	eighted Averag	ge rate							1.09010%

S.NO	Bank Loan	Interest Rate	Applicable from	Applicable upto	Number of Days	Product	Weighte d Average Rate of Interest	Remark s
1	PNB-V	5.80%	01-04-2022	20-06-2022	81.00	4.70		
	PNB-V	6.70%	21-06-2022	31-08-2022	72.00	4.82		
	PNB-V	7.20%	01-09-2022	30-09-2022	30.00	2.16		
	PNB-V	7.70%	01-10-2022	31-12-2022	92.00	7.08		
		8.05%	01-01-2023	28-02-2023	59.00	4.75		
		8.30%	01-03-2023	31-03-2023	31.00	2.57		
					365.00	26.09	7.1475%	
	PNB-V	7.90%	01-Apr-23	31-Mar-24	366.00	28.91		
					366.00	28.91	7.90%	
2	HDFC Bank Ltd. VI	5.95%	01-04-2022	23-05-2022	53.00	3.15		
	HDFC Bank Ltd. VI	6.35%	24-05-2022	23-06-2022	31.00	1.97		
	HDFC Bank Ltd. VI	6.85%	24-06-2022	23-08-2022	61.00	4.18		
	HDFC Bank Ltd. VI	7.35%	24-08-2022	23-10-2022	61.00	4.48		
	HDFC Bank Ltd. VI	7.85%	24-10-2022	23-12-2022	61.00	4.79		
	HDFC Bank Ltd. VI	8.20%	24-12-2022	31-12-2022	8.00	0.66		
	HDFC Bank Ltd. VI	7.95%	01-01-2023	28-02-2023	59.00			
	HDFC Bank Ltd. VI	8.01%	01-03-2023	31-03-2023	31.00	2.48		
					365.00	26.40	7.2335%	
					2			
	HDFC Bank Ltd. VI	8.01%	01-Apr-23	31-May-23	61.00	4.89		
		7.95%	01-Jun-23	31-Mar-24	305.00			
					366.00	29.13	7.96%	

								PART- FORM- 9
			<u>Yea</u>	r wise Stateme	nt of Additiona	I Capitalisati	on after COD	
Name	of the Petitioner			NTPC Limited				-
Name	of the Generating Station			Unchahar Sta	ge IV- ECS			
For Fi	nancial Year	•		2024-25				
			_					ount in Rs Lak
SI.	Head of Work /Equipment			Claimed (Project	cted)	Regulations		Admitted Cos
No.		Accrual basis as per IGAAP	,	Cash basis	IDC included in col. 3	under which claimed	Justification	by the Commission, if any
1	2	3	4	5= (3-4)	6	7	8	9
1	Wet FGD	461.00	-	461.00			Balance Capitalisation within original scope of works and deffered for execution prior to cut-off date	
2	Combustion Modification System	1,000.00		1,000.00		24(1)(b)	Capitalisation pertaining to Combustion Modification system for Unchahar Stage-IV which is under commissioning and expected to be capitalised in 2024-25.	
	Total	,						
		1,461.00	-	1,461.00	-			

								PART-I
								FORM- 9
			<u>Yea</u>	r wise Stateme	nt of Additiona	I Capitalisatio	on after COD	
Name	of the Petitioner			NTPC Limited				
Name	of the Generating Station			Unchahar Stag	ge IV- ECS			
For Fi	nancial Year		2025-26					
							Amo	ount in Rs Lakh
SI. No.	Head of Work /Equipment			Claimed (Project	cted)	Regulations		Admitted Cost
INO.		Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3	under which claimed	Justification	by the Commission, if any
1	0							
1	Wet FGD	463.00	-	463.00		24(1)(b)		
2	Combustion Modification System	150.00		150.00		24(1)(b)	Balance Capitalisation within original scope of works and deffered for execution prior to cut-off date	
	Total	613.00	-	613.00	-			

								PART-I
		Vaar	wiss Statemen	t of Additional	Conitalization	offer COD		FORM- 9
		<u>rear</u>	wise Statemen	1		arter COD		
	of the Petitioner			NTPC Limited				
	of the Generating Station			Unchahar Sta	ge IV- ECS			
For Fir	nancial Year	1	T	2026-27	1			
SI.	Head of Work /Equipment		ACE.	Claimed (Project	rted)	Regulations		Amount in Rs Lakh Admitted Cost
No.	Tread of Work/Equipment	Accrual basis as per IGAAP	Un-discharged Liability included in col.		IDC included in col. 3	under which claimed	Justification	by the Commission, if any
1	2	3	4	5= (3-4)	6	7	8	9
		•		NIL	•			
	Total	_	-	-	-			
								(Petitioner)

								PART-I
								FORM- 9
		<u>Year</u>	wise Statemen	t of Additional	Capitalisation	after COD		
Name	of the Petitioner			NTPC Limited				
Name	of the Generating Station			Unchahar Sta	ge IV- ECS			
For Fir	nancial Year			2027-28				
								Amount in Rs Lakh
SI.	Head of Work /Equipment		ACE	Claimed (Project	cted)	Regulations		Admitted Cost
No.		Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3	under which claimed	Justification	by the Commission, if any
1	2	3	4	5= (3-4)	6	7	8	9
		•		NIL	•			
	Total	_	-	_	-			
								(Petitioner)

								PART- FORM- 9
		Year	wise Statemen	t of Additional	Capitalisation :	after COD		FORIWI- S
Name	of the Petitioner			NTPC Limited				
Name	of the Generating Station			Unchahar Sta	ge IV- ECS			
	nancial Year			2028-29				
								Amount in Rs Lakh
SI.	Head of Work /Equipment		ACE	Claimed (Project	cted)	Regulations		Admitted Cost
No.		Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3	under which claimed	Justification	by the Commission, if any
1	2	3	4	5= (3-4)	6	7	8	9
				NIL				
	Total	-	-	-	-			
								(Petitioner)

Name of the Detitioner	NTDC Limited				
Name of the Petitioner	NTPC Limited	FCC			
Name of the Generating Station	Unchahar Stage IV-	ECS			
Financial Year (Starting from COD)1	Act	ual			
	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6
Amount capitalised in Work/ Equipment		I			
Financing Details					
Loan-1					
Loan-2					
Loan-3 and so on					
Total Loan2					
	Add c	ap is proposed to	be finance in	Debt:Equity ratio o	of 70:30
Equity					
Internal Resources					
Others (Pl. specify)					
Total					

	Cald	culation of Depreciation			
Name	of the Company :	NTPC Limited			
Name	of the Power Station :	Unchahar Stage IV- ECS			
			(Amount in Rs		
SI.No	Name of the Assets1	Gross Block as on 31.03.2024	CERC Dep. Rate	2024-25	
1	2	3	4	5= Col.2 X Col.3	
1	Plant & Machinery				
	FGD SYSTEM- Plant & Equipment & CHIMNEY	35,076.86	5.28%	1,852.06	
2	Other Civil Works	2,054.44	3.34%	68.62	
	TOTAL	37131.30		1920.68	
	Weighted Average Rate of Depreciation (%)			5.173	

PART-I FORM- 12

Statement of Depreciation

Name of the Company :	NTPC Limited
Name of the Power Station :	Unchahar Stage IV- ECS
	(Amount in Rs Lakh)

					,	,
S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
	No of Days in the period	365	365	365	366	365
	No of Days in the year	365	365	365	366	365
1	Opening Capital Cost	34,492.09	35,953.09	36,566.09	36,566.09	36,566.09
2	Closing Capital Cost	35,953.09	36,566.09	36,566.09	36,566.09	36,566.09
3	Average Capital Cost	35,222.59	36,259.59	36,566.09	36,566.09	36,566.09
1a	Cost of IT Equipments & Software included in (1) above					
2a	Cost of IT Equipments & Software included in (2) above					
3a	Average Cost of IT Equipments & Software*					
4	Freehold land					
5	Rate of depreciation (%)	5.17	5.17	5.17	5.17	5.17
6	Depreciable value	31,700.33	32,633.63	32,909.48	32,909.48	32,909.48
7.	Balance useful life at the beginning of the period	23.53	22.53	21.53	20.53	19.53
8	Cumulative depreciation at the beginning of the period	2,427.22	4,249.17	6,124.75	8,016.19	9,907.63
9	Remaining depreciable value	29,273.11	28,384.47	26,784.73	24,893.29	23,001.85
10	Depreciation (for the period)	1,821.95	1,875.59	1,891.44	1,891.44	1,891.44
11	Depreciation (annualised)	1,821.95	1,875.59	1,891.44	1,891.44	1,891.44
12	Cumulative depreciation at the end of the period	4,249.17	6,124.75	8,016.19	9,907.63	11,799.07
13	Net Cumulative depreciation at the end of the period after adjustments	4,249.17	6,124.75	8,016.19	9,907.63	11,799.07

Name of the Company Name of the Power Station

NTPC Limited Unchahar Stage IV- ECS

SI. no.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	JPY Equ. 750Million I Drawl (Repayment from 15-05-2	026)				
	Gross loan - Opening	1190.57	1190.57	1190.57	1190.57	1190.57
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	297.64	595.29
	Net loan - Opening	1190.57	1190.57	1190.57	892.93	595.29
	Increase/ Decrease due to FERV	0	0	0	0	0
	Increase/ Decrease due to ACE/Drawl during the period	0	0	0	0	0
	Total	1190.57	1190.57	1190.57	892.93	595.29
	Repayments of Loans during the period	0.00	0.00	297.64	297.64	297.64
	Net loan - Closing	1190.57	1190.57	892.93	595.29	297.64
	Average Net Loan	1190.57	1190.57	1041.75	744.11	446.47
	Rate of Interest on Loan	0.9185%	0.9185%	0.9185%	0.9185%	0.9185%
	Interest on Loan Annualised	10.94	10.94	9.57	6.83	4.10
2	IBV Equ. 750Million II Drawl (Panayment from 15.05.)	2026/				
	JPY Equ. 750Million II Drawl (Repayment from 15-05-2 Gross loan - Opening	1729.33	1729.33	1729.33	1729.33	1729.33
					432.33	
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00		864.67
	Net loan - Opening	1729.33	1729.33	1729.33	1297.00	864.67
	Increase/ Decrease due to FERV	0	0	0	0	0
	Increase/ Decrease due to ACE/Drawl during the period	0	0	0	0	004.07
	Total	1729.33	1729.33	1729.33	1297.00	864.67
	Repayments of Loans during the period	0.00	0.00	432.33	432.33	432.33
	Net loan - Closing	1729.33	1729.33	1297.00	864.67	432.33
	Average Net Loan	1729.33	1729.33	1513.17	1080.83	648.50
	Rate of Interest on Loan	0.9185%	0.9185%	0.9185%	0.9185%	0.9185%
	Interest on Loan Annualised	15.88	15.88	13.90	9.93	5.96
3	JPY Equ. 750Million V Drawl (Repayment from 15-05-2	2026)				
	Gross loan - Opening	1271.59	1271.59	1271.59	1271.59	1271.59
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	317.90	635.80
	Net loan - Opening	1271.59	1271.59	1271.59	953.69	635.80
	Increase/ Decrease due to FERV	0	0	0	0	0
	Increase/ Decrease due to ACE/Drawl during the period	0	0	0	0	0
	Total	1271.59	1271.59	1271.59	953.69	635.80
	Repayments of Loans during the period	0.00	0.00	317.90	317.90	317.90
	Net loan - Closing	1271.59	1271.59	953.69	635.80	317.90
	Average Net Loan	1271.59	1271.59	1112.64	794.74	476.85
	Rate of Interest on Loan	0.8893%	0.8893%	0.8893%	0.8893%	0.8893%
	Interest on Loan Annualised	11.31	11.31	9.89	7.07	4.24
4	IDV Equ. 750Million VI Drawl (Denovment from 15.05	2026)				
4	JPY Equ. 750Million VI Drawl (Repayment from 15-05- Gross loan - Opening	995.63	995.63	995.63	995.63	995.63
	Cumulative repayments of Loans upto previous period	0.00		0.00	248.91	497.82
	Net loan - Opening	995.63	995.63	995.63	746.72	497.82
	Increase/ Decrease due to FERV					
	Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period	0	0	0	0	<u>0</u> 0
	Total	995.63	995.63	995.63	746.72	497.82
	Repayments of Loans during the period	0.00	0.00	248.91	248.91	248.91
	Net loan - Closing	995.63	995.63	746.72	497.82	248.91
		995.63	995.63	871.18	622.27	373.36
	Average Net Loan					
	Rate of Interest on Loan	0.8893%	0.8893%	0.8893%	0.8893%	0.8893%
	Interest on Loan Annualised	8.85	8.85	7.75	5.53	3.32
5	EURO Loan I Drawl I (Repayment from 14-08-2028)					
	Gross loan - Opening	246.70	246.70	246.70	246.70	246.70
	Cumulative repayments of Loans upto previous period	19.74		19.74	19.74	19.74

	Not loon Opening	220.07	220.07	220 07	220.07	220.07
	Net loan - Opening Increase/ Decrease due to FERV	226.97	226.97	226.97	226.97	226.97
		0	0	0	0	0
	Increase/ Decrease due to ACE/Drawl during the period	0			-	
	Total	226.97	226.97	226.97	226.97	226.97
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	226.97	226.97	226.97	226.97	226.97
	Average Net Loan	226.97	226.97	226.97	226.97	226.97
	Rate of Interest on Loan	5.0650%	5.0650%	5.0650%	5.0650%	5.0650%
	Interest on Loan Annualised	11.50	11.50	11.50	11.50	11.50
_	IDIO 0 I D I II (D / (
6	JBIC Green I Drawl II (Repayment from 17-09-2023)					
	Gross loan - Opening	2640.19	2640.19	2640.19	2640.19	2640.19
	Cumulative repayments of Loans upto previous period	211.22	422.43	633.65	844.86	1056.08
	Net loan - Opening	2428.97	2217.76	2006.54	1795.33	1584.11
	Increase/ Decrease due to FERV	0	0	0	0	0
	Increase/ Decrease due to ACE/Drawl during the period	0	0	0	0	0
	Total	2428.97	2217.76	2006.54	1795.33	1584.11
	Repayments of Loans during the period	211.22	211.22	211.22	211.22	211.22
	Net loan - Closing	2217.76	2006.54	1795.33	1584.11	1372.90
	Average Net Loan	2323.37	2112.15	1900.94	1689.72	1478.51
	Rate of Interest on Loan	1.0901%	1.0901%	1.0901%	1.0901%	1.0901%
	Interest on Loan Annualised	25.33	23.02	20.72	18.42	16.12
						<u>-</u>
7	JBIC Green I Drawl III (Repayment from 17-09-2023)					
	Gross loan - Opening	3378.11	3378.11	3378.11	3378.11	3378.11
	Cumulative repayments of Loans upto previous period	270.25	540.50	810.75	1081.00	1351.24
	Net loan - Opening	3107.86	2837.61	2567.36	2297.11	2026.87
	Increase/ Decrease due to FERV	0	0	2307.30	0	0
	Increase/ Decrease due to ACE/Drawl during the period	0	0	0	0	0
	Total	3107.86	2837.61	2567.36	2297.11	2026.87
			270.25	270.25	270.25	
	Repayments of Loans during the period	270.25	270.25	270.25		270.25
				2207 44	2020 07	4750.00
	Net loan - Closing	2837.61	2567.36	2297.11	2026.87	
	Net loan - Closing Average Net Loan	2837.61 2972.74	2567.36 2702.49	2432.24	2161.99	1891.74
	Net loan - Closing Average Net Loan Rate of Interest on Loan	2837.61 2972.74 1.0901%	2567.36 2702.49 1.0901%	2432.24 1.0901%	2161.99 1.0901%	1891.74 1.0901%
	Net loan - Closing Average Net Loan	2837.61 2972.74	2567.36 2702.49	2432.24	2161.99	1756.62 1891.74 1.0901% 20.62
	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised	2837.61 2972.74 1.0901%	2567.36 2702.49 1.0901%	2432.24 1.0901%	2161.99 1.0901%	1891.74 1.0901%
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III	2837.61 2972.74 1.0901% 32.41	2567.36 2702.49 1.0901% 29.46	2432.24 1.0901% 26.51	2161.99 1.0901% 23.57	1891.74 1.0901% 20.62
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening	2837.61 2972.74 1.0901% 32.41 750.13	2567.36 2702.49 1.0901% 29.46 750.13	2432.24 1.0901% 26.51 750.13	2161.99 1.0901% 23.57 750.13	1891.74 1.0901% 20.62 750.13
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period	2837.61 2972.74 1.0901% 32.41 750.13 0.00	2567.36 2702.49 1.0901% 29.46 750.13 0.00	2432.24 1.0901% 26.51 750.13 0.00	2161.99 1.0901% 23.57 750.13 107.16	1891.74 1.0901% 20.62 750.13 214.32
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13	2432.24 1.0901% 26.51 750.13 0.00 750.13	2161.99 1.0901% 23.57 750.13 107.16 642.97	1891.74 1.0901% 20.62 750.13 214.32
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13	2432.24 1.0901% 26.51 750.13 0.00 750.13	2161.99 1.0901% 23.57 750.13 107.16 642.97	750.13 214.32 535.81
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0	2432.24 1.0901% 26.51 750.13 0.00 750.13 0	2161.99 1.0901% 23.57 750.13 107.16 642.97 0	750.13 214.32 535.81 0
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0 0	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0 0 750.13	2432.24 1.0901% 26.51 750.13 0.00 750.13 0 0 750.13	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 0 642.97	750.13 214.32 535.81 0 535.81
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0	2432.24 1.0901% 26.51 750.13 0.00 750.13 0	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 642.97 107.16	750.13 214.32 535.81 0 535.81 107.16
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0 0 750.13 0.00 750.13	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0 750.13 0.00 750.13	2432.24 1.0901% 26.51 750.13 0.00 750.13 0 750.13 107.16 642.97	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 642.97 107.16 535.81	750.13 214.32 535.81 0 535.81 107.16
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0 750.13 0	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0 750.13 0.00	2432.24 1.0901% 26.51 750.13 0.00 750.13 0 750.13 107.16	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 642.97 107.16	750.13 214.32 535.81 0 535.81 107.16 428.64
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0 0 750.13 0.00 750.13	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0 750.13 0.00 750.13	2432.24 1.0901% 26.51 750.13 0.00 750.13 0 750.13 107.16 642.97	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 642.97 107.16 535.81 589.39 6.7698%	750.13 214.32 535.81 0 535.81 107.16 428.64 482.23
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0 750.13 0.00 750.13 750.13	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0 750.13 0.00 750.13 750.13	2432.24 1.0901% 26.51 750.13 0.00 750.13 0 750.13 107.16 642.97 696.55	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 642.97 107.16 535.81 589.39	1891.74 1.0901%
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0 750.13 0.00 750.13 750.13 750.13	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0 750.13 0.00 750.13 750.13 750.13	2432.24 1.0901% 26.51 750.13 0.00 750.13 0 750.13 107.16 642.97 696.55 6.7698%	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 642.97 107.16 535.81 589.39 6.7698%	750.13 214.32 535.81 0 535.81 107.16 428.64 482.23 6.7698%
8	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0 750.13 0.00 750.13 750.13 750.13	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0 750.13 0.00 750.13 750.13 750.13	2432.24 1.0901% 26.51 750.13 0.00 750.13 0 750.13 107.16 642.97 696.55 6.7698%	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 642.97 107.16 535.81 589.39 6.7698%	750.13 214.32 535.81 0 535.81 107.16 428.64 482.23 6.7698%
	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl IV	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0 0 750.13 0.00 750.13 750.13 6.7698% 50.78	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0 750.13 0.00 750.13 750.13 750.13	2432.24 1.0901% 26.51 750.13 0.00 750.13 0 750.13 107.16 642.97 696.55 6.7698% 47.15	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 642.97 107.16 535.81 589.39 6.7698% 39.90	750.13 214.32 535.81 0 535.81 107.16 428.64 482.23 6.7698% 32.65
	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl IV Gross loan - Opening	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0 0 750.13 0.00 750.13 750.13 6.7698% 50.78	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0.00 750.13 0.00 750.13 750.13 6.7698% 50.78	2432.24 1.0901% 26.51 750.13 0.00 750.13 0 750.13 107.16 642.97 696.55 6.7698% 47.15	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 642.97 107.16 535.81 589.39 6.7698% 39.90	750.13 214.32 535.81 0 0 535.81 107.16 428.64 482.23 6.7698% 32.65
	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl IV Gross loan - Opening Cumulative repayments of Loans upto previous period	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0 0 750.13 750.13 750.13 6.7698% 50.78	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0 0 750.13 0.00 750.13 750.13 6.7698% 50.78	2432.24 1.0901% 26.51 750.13 0.00 750.13 0 750.13 107.16 642.97 696.55 6.7698% 47.15	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 642.97 107.16 535.81 589.39 6.7698% 39.90	1891.74 1.0901% 20.62 750.13 214.32 535.81 0 535.81 107.16 428.64 482.23 6.7698% 32.65
	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl IV Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78	2432.24 1.0901% 26.51 750.13 0.00 750.13 107.16 642.97 696.55 6.7698% 47.15 99.78 0.00 99.78	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 0 642.97 107.16 535.81 589.39 6.7698% 39.90 99.78 14.25 85.52	1891.74 1.0901% 20.62 750.13 214.32 535.81 0 0 535.81 107.16 428.64 482.23 6.7698% 32.65 99.78 28.51 71.27
	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl IV Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0 0 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78	2432.24 1.0901% 26.51 750.13 0.00 750.13 107.16 642.97 696.55 6.7698% 47.15 99.78 0.00 99.78	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 0 642.97 107.16 535.81 589.39 6.7698% 39.90 99.78 14.25 85.52	1891.74 1.0901% 20.62 750.13 214.32 535.81 0 0 535.81 107.16 428.64 482.23 6.7698% 32.65 99.78 28.51 71.27
	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl IV Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to FERV	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0.00 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0 0 750.13 0.00 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78	2432.24 1.0901% 26.51 750.13 0.00 750.13 107.16 642.97 696.55 6.7698% 47.15 99.78 0.00 99.78 0	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 0 642.97 107.16 535.81 589.39 6.7698% 39.90 99.78 14.25 85.52 0	1891.74 1.0901% 20.62 750.13 214.32 535.81 0 535.81 107.16 428.64 482.23 6.7698% 32.65 99.78 28.51 71.27 0
	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl IV Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0 0 750.13 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78	2432.24 1.0901% 26.51 750.13 0.00 750.13 107.16 642.97 696.55 6.7698% 47.15 99.78 0.00 99.78	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 0 642.97 107.16 535.81 589.39 6.7698% 39.90 99.78 14.25 85.52 0 0 85.52	1891.74 1.0901% 20.62 750.13 214.32 535.81 0 535.81 107.16 428.64 482.23 6.7698% 32.65 99.78 28.51 71.27 0 0 71.27
	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl IV Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78 0	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78 0.00	2432.24 1.0901% 26.51 750.13 0.00 750.13 107.16 642.97 696.55 6.7698% 47.15 99.78 0.00 99.78 0	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 0 642.97 107.16 535.81 589.39 6.7698% 39.90 99.78 14.25 85.52 0 0 85.52 14.25	1891.74 1.0901% 20.62 750.13 214.32 535.81 00 535.81 107.16 428.64 482.23 6.7698% 32.65 99.78 28.51 71.27 0 0 71.27 14.25
	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl IV Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78 0.00 99.78	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78 0.00 99.78	2432.24 1.0901% 26.51 750.13 0.00 750.13 107.16 642.97 696.55 6.7698% 47.15 99.78 0.00 99.78 0 99.78 14.25 85.52	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 0 642.97 107.16 535.81 589.39 6.7698% 39.90 99.78 14.25 85.52 0 0 85.52 14.25 71.27	1891.74 1.0901% 20.62 750.13 214.32 535.81 00 535.81 107.16 428.64 482.23 6.7698% 32.65 99.78 28.51 71.27 0 0 71.27 14.25 57.02
	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl IV Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78 0.00 99.78 0.00	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00	2432.24 1.0901% 26.51 750.13 0.00 750.13 107.16 642.97 696.55 6.7698% 47.15 99.78 0.00 99.78 0 99.78 14.25 85.52 92.65	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 0 642.97 107.16 535.81 589.39 6.7698% 39.90 99.78 14.25 85.52 0 0 85.52 14.25 71.27 78.40	1891.74 1.0901% 20.62 750.13 214.32 535.81 00 535.81 107.16 428.64 482.23 6.7698% 32.65 99.78 28.51 71.27 0 71.27 14.25 57.02 64.14
	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl IV Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00 99.78	2432.24 1.0901% 26.51 750.13 0.00 750.13 107.16 642.97 696.55 6.7698% 47.15 99.78 0.00 99.78 0 99.78 14.25 85.52 92.65 6.7698%	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 0 642.97 107.16 535.81 589.39 6.7698% 39.90 99.78 14.25 85.52 0 0 85.52 14.25 71.27 78.40 6.7698%	1891.74 1.0901% 20.62 750.13 214.32 535.81 00 535.81 107.16 428.64 482.23 6.7698% 32.65 99.78 28.51 71.27 0 0 71.27 14.25 57.02 64.14 6.7698%
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9	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl IV Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0.00 750.13 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00 99.78	2432.24 1.0901% 26.51 750.13 0.00 750.13 107.16 642.97 696.55 6.7698% 47.15 99.78 0.00 99.78 0 99.78 14.25 85.52 92.65 6.7698%	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 0 642.97 107.16 535.81 589.39 6.7698% 39.90 99.78 14.25 85.52 0 0 85.52 14.25 71.27 78.40 6.7698%	1891.74 1.0901% 20.62 750.13 214.32 535.81 00 535.81 107.16 428.64 482.23 6.7698% 32.65 99.78 28.51 71.27 0 0 71.27 14.25 57.02 64.14 6.7698%
	Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl III Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan Interest on Loan Annualised USD 750 Million I Drawl IV Gross loan - Opening Cumulative repayments of Loans upto previous period Net loan - Opening Increase/ Decrease due to FERV Increase/ Decrease due to FERV Increase/ Decrease due to ACE/Drawl during the period Total Repayments of Loans during the period Net loan - Closing Average Net Loan Rate of Interest on Loan	2837.61 2972.74 1.0901% 32.41 750.13 0.00 750.13 0.00 750.13 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00	2567.36 2702.49 1.0901% 29.46 750.13 0.00 750.13 0.00 750.13 750.13 750.13 6.7698% 50.78 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00 99.78 0.00 99.78	2432.24 1.0901% 26.51 750.13 0.00 750.13 107.16 642.97 696.55 6.7698% 47.15 99.78 0.00 99.78 0 99.78 14.25 85.52 92.65 6.7698%	2161.99 1.0901% 23.57 750.13 107.16 642.97 0 0 642.97 107.16 535.81 589.39 6.7698% 39.90 99.78 14.25 85.52 0 0 85.52 14.25 71.27 78.40 6.7698%	1891.74 1.0901% 20.62 750.13 214.32 535.81 00 535.81 107.16 428.64 482.23 6.7698% 32.65 99.78 28.51 71.27 0 0 71.27 14.25 57.02 64.14 6.7698%

Net loan - Opening			2.22	2.22	222.22		
Increase/ Decrease due to FERV		Cumulative repayments of Loans upto previous period	0.00	0.00	222.22	444.44	666.67
Increase/ Decrease due to ACE/Drawl during the period							1333.33
Total							0
Repsyments of Loans during the period							0
Net loan - Closing							1333.33
Average Net Loan		Repayments of Loans during the period	0.00	222.22	222.22	222.22	222.22
Rate of Interest on Loan		Net loan - Closing	2000.00	1777.78	1555.56	1333.33	1111.11
Interest on Loan Annualised		Average Net Loan	2000.00	1888.89	1666.67	1444.44	1222.22
Interest on Loan Annualised		Rate of Interest on Loan	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%
Gross loan - Opening		Interest on Loan Annualised	159.00	150.17	132.50	114.83	97.17
Gross Ioan - Opening							
Cumulative repayments of Loans upto previous period 16.67 33.33 50.00 66.67 Net loan - Opening 183.33 166.67 150.00 133.33 16.67 150.00 133.33 16.67 150.00 133.33 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 1	11	PNB-V					
Cumulative repayments of Loans upto previous period 16.67 33.33 50.00 66.67 Net loan - Opening 183.33 166.67 150.00 133.33 16.67 150.00 133.33 16.67 150.00 133.33 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 16.67 1		Gross Ioan - Opening	200.00	200.00	200.00	200.00	200.00
Net loan - Opening							83.33
Increase/ Decrease due to ACE/Drawl during the period							116.67
Increase/ Decrease due to ACE/Drawl during the period							0
Total							0
Repayments of Loans during the period 16.67 16.67 15.00 133.33 116.67 Net loan - Closing 166.67 150.00 133.33 116.67 Average Net Loan 175.00 158.33 114.67 125.00 Rate of Interest on Loan 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9000% 7.9							116.67
Net loan - Closing							
Average Net Loan							16.67
Rate of Interest on Loan							100.00
Interest on Loan Annualised							108.33
12 Bonds Series - 74			7.9000%		7.9000%	7.9000%	7.9000%
Gross loan - Opening		Interest on Loan Annualised	13.83	12.51	11.19	9.88	8.56
Gross loan - Opening							
Cumulative repayments of Loans upto previous period 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	12	Bonds Series - 74					
Net loan - Opening		Gross loan - Opening	2750.00	2750.00	2750.00	2750.00	2750.00
Net loan - Opening		Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
Increase/ Decrease due to FERV			2750.00	2750.00	2750.00	2750.00	2750.00
Increase/ Decrease due to ACE/Drawl during the period 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00							0
Total							0
Repayments of Loans during the period 0.00 0.00 0.00 0.00 0.00 Net loan - Closing 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.00 2750.0							2750.00
Net loan - Closing							0.00
Average Net Loan							2750.00
Rate of Interest on Loan							2750.00
Interest on Loan Annualised							
13 Bonds Series - 75							6.9000%
Gross loan - Opening		Interest on Loan Annualised	169.75	169.75	169.75	169.75	189.75
Gross loan - Opening	40	Daniel Ordina 75					
Cumulative repayments of Loans upto previous period	13						
Net loan - Opening							1200.00
Increase/ Decrease due to FERV							0.00
Increase/ Decrease due to ACE/Drawl during the period							1200.00
Total 1200.00 1200.00 1200.00 1200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200.00 1 200			0	0	0	0	0
Repayments of Loans during the period		Increase/ Decrease due to ACE/Drawl during the period	0	0	0	0	0
Repayments of Loans during the period		Total	1200.00	1200.00	1200.00	1200.00	1200.00
Net loan - Closing		Repayments of Loans during the period	0.00	0.00	0.00	0.00	0.00
Average Net Loan							1200.00
Rate of Interest on Loan 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200% 6.7200%							1200.00
Interest on Loan Annualised 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64 80.64							6.7200%
Total							80.64
Gross loan - Opening			22.0.	22.0.	22.0.		23.01
Gross loan - Opening		Total					
Cumulative repayments of Loans upto previous period 517.87 1,016.00 1,736.35 3,874.90 6,0 Net loan - Opening ####### ####### ###################################			#######	#######	#######	######	#######
Net loan - Opening							
Increase/ Decrease due to FERV							6,013.45
Increase/ Decrease due to ACE/Drawl during the per							######
Total ###### ###### ###### ###### ###### ## Repayments of Loans during the period 498.13 720.35 2,138.55 2,138.55 2,1 Net loan - Closing ###### ###### ####### ####### ## Average Net Loan ####### ####### ####################			-	-	-	-	-
Repayments of Loans during the period							-
Net loan - Closing ####### ####### ####### ####### #######		Total	#######	#######	######	#######	######
Net loan - Closing ####### ####### ####### ####### #######		Repayments of Loans during the period	498.13	720.35	2,138.55	2,138.55	2,138.55
Average Net Loan ####### ####### ####### ####### ##							#######
							#######
							4.213%
							478.96

Name of the Petitioner	NTPC Ltd
Name of the Generating Station	Unchahar stage-IV

S. No.	Month	Unit	Apr-23
	Opening Quantity		
	Opening Quantity of Limestone	MT	1000.00
	Value of Stock	Rs	2210250.00
	Quantity		
1	Quantity of Limestone supplied by Reagent supply Company	tonne	1099.08
2	Adjustment (+/-) in quantity supplied made by Limestone or Reagent supply Company	tonne	NA
3	Net quantity of Limestone Received (1±2)	tonne	1099.08
4	Amount charged for Limestone supply Company (Incl GST)	(Rs.)	582787.17
5	Adjustment (+/-) in amount charged made for Limestone supply by the Company	(Rs.)	NA
6	Total amount Charged (4±5)	(Rs.)	582787.17
7	Transportation charges by rail/ship/road transport(Incl GST)	(Rs.)	1846454.40
8	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	NA
9	Demurrage Charges, if any	(Rs.)	NA
10	Total Transportation Charges (7±-8-9)	(Rs.)	1846454.40
11	Total amount Charged for Limestone supplied including Transportation (6+10) (Incl GST)	(Rs.)	2429241.57
12	Weighted Average Cost of Limestone during the month	(Rs/tonne)	2210.25
13	Purity of Limestone received during the month	(%)	89.36
14	Sulphur Content of the coal	%	0.5

Name of the Petitioner	 NTPC Ltd
Name of the Generating Station	Unchahar stage-IV

S. No.	Month	Unit	May-23
	Opening Quantity		
	Opening Quantity of Limestone	MT	1500.00
	Value of Stock	Rs	3315375.00
	Quantity		
1	Quantity of Limestone supplied by Reagent supply Company	tonne	1099.08
2	Adjustment (+/-) in quantity supplied made by Limestone or Reagent supply Company	tonne	NA
3	Net quantity of Limestone Received (1±2)	tonne	1099.08
4	Amount charged for Limestone supply Company (Incl GST)	(Rs.)	582787.17
5	Adjustment (+/-) in amount charged made for Limestone supply by the Company	(Rs.)	NA
6	Total amount Charged (4±5)	(Rs.)	582787.17
7	Transportation charges by rail/ship/road transport(Incl GST)	(Rs.)	1846454.40
8	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	NA
9	Demurrage Charges, if any	(Rs.)	NA
10	Total Transportation Charges (7±-8-9)	(Rs.)	1846454.40
11	Total amount Charged for Limestone supplied including Transportation (6+10) (Incl GST)	(Rs.)	2429241.57
12	Weighted Average Cost of Limestone during the month	(Rs/tonne)	2210.25
13	Purity of Limestone received during the month	(%)	87.1
14	Sulphur Content of the coal	%	0.48

Name of the Petitioner	NTPC Ltd
Name of the Generating Station	Unchahar stage-IV

5. No.	Month	Unit	Jun-23
	Opening Quantity		
	Opening Quantity of Limestone	MT	1100.00
	Value of Stock	Rs	2431275.00
	Quantity		
1	Quantity of Limestone supplied by Reagent supply Company	tonne	1014.26
2	Adjustment (+/-) in quantity supplied made by Limestone or Reagent supply Company	tonne	NA
3	Net quantity of Limestone Received (1±2)	tonne	1014.26
4	Amount charged for Limestone supply Company (Incl GST)	(Rs.)	498407.364
5	Adjustment (+/-) in amount charged made for Limestone supply by the Company	(Rs.)	NA
6	Total amount Charged (4±5)	(Rs.)	498407.36
7	Transportation charges by rail/ship/road transport(Incl GST)	(Rs.)	1746160.16
8	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	NA
9	Demurrage Charges, if any	(Rs.)	NA
10	Total Transportation Charges (7±-8-9)	(Rs.)	1746160.16
11	Total amount Charged for Limestone supplied including Transportation (6+10) (Incl GST)	(Rs.)	2244567.52
12	Weighted Average Cost of Limestone during the month	(Rs/tonne)	2213.01
13	Purity of Limestone received during the month	(%)	86
14	Sulphur Content of the coal	%	0.42

Name of the Petitioner	 NTPC Ltd
Name of the Generating Station	Unchahar stage-IV

S. No.	Month	Unit	Jul-23
	Opening Quantity		
	Opening Quantity of Limestone	MT	948.31
	Value of Stock	Rs	2098619.51
	Quantity		
1	Quantity of Limestone supplied by Reagent supply Company	tonne	1441.26
2	Adjustment (+/-) in quantity supplied made by Limestone or Reagent supply Company	tonne	NA
3	Net quantity of Limestone Received (1±2)	tonne	1441.26
4	Amount charged for Limestone supply Company (Incl GST)	(Rs.)	715386.2835
5	Adjustment (+/-) in amount charged made for Limestone supply by the Company	(Rs.)	NA
6	Total amount Charged (4±5)	(Rs.)	715386.28
7	Transportation charges by rail/ship/road transport(Incl GST)	(Rs.)	2473628.48
8	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	NA
9	Demurrage Charges, if any	(Rs.)	NA
10	Total Transportation Charges (7±-8-9)	(Rs.)	2473628.48
11	Total amount Charged for Limestone supplied including Transportation (6+10) (Incl GST)	(Rs.)	3189014.76
12	Weighted Average Cost of Limestone during the month	(Rs/tonne)	2212.66
13	Purity of Limestone received during the month	(%)	85.7
14	Sulphur Content of the coal	%	0.47

Name of the Petitioner	 NTPC Ltd
Name of the Generating Station	Unchahar stage-IV

S. No.	Month	Unit	Aug-23
	Opening Quantity		
	Opening Quantity of Limestone	MT	1186.57
	Value of Stock	Rs	2625472.42
	Quantity		
1	Quantity of Limestone supplied by Reagent supply Company	tonne	576.7
2	Adjustment (+/-) in quantity supplied made by Limestone or Reagent supply Company	tonne	NA
3	Net quantity of Limestone Received (1±2)	tonne	576.7
4	Amount charged for Limestone supply Company (Incl GST)	(Rs.)	304827.4215
5	Adjustment (+/-) in amount charged made for Limestone supply by the Company	(Rs.)	NA
6	Total amount Charged (4±5)	(Rs.)	304827.42
7	Transportation charges by rail/ship/road transport(Incl GST)	(Rs.)	969917.42
8	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	NA
9	Demurrage Charges, if any	(Rs.)	NA
10	Total Transportation Charges (7±-8-9)	(Rs.)	969917.42
11	Total amount Charged for Limestone supplied including Transportation (6+10) (Incl GST)	(Rs.)	1274744.84
12	Weighted Average Cost of Limestone during the month	(Rs/tonne)	2210.41
13	Purity of Limestone received during the month	(%)	82
14	Sulphur Content of the coal	%	0.51

Name of the Petitioner	 NTPC Ltd
Name of the Generating Station	Unchahar stage-IV

S. No.	Month	Unit	Sep-23
	Opening Quantity		
	Opening Quantity of Limestone	MT	536.45
	Value of Stock	Rs	1185775.52
	Quantity		
1	Quantity of Limestone supplied by Reagent supply Company	tonne	1104.27
2	Adjustment (+/-) in quantity supplied made by Limestone or Reagent supply Company	tonne	NA
3	Net quantity of Limestone Received (1±2)	tonne	1104.27
4	Amount charged for Limestone supply Company (Incl GST)	(Rs.)	662562
5	Adjustment (+/-) in amount charged made for Limestone supply by the Company	(Rs.)	NA
6	Total amount Charged (4±5)	(Rs.)	662562.00
7	Transportation charges by rail/ship/road transport(Incl GST)	(Rs.)	2318967.00
8	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	NA
9	Demurrage Charges, if any	(Rs.)	NA
10	Total Transportation Charges (7±-8-9)	(Rs.)	2318967.00
11	Total amount Charged for Limestone supplied including Transportation (6+10) (Incl GST)	(Rs.)	2981529.00
12	Weighted Average Cost of Limestone during the month	(Rs/tonne)	2700.00
13	Purity of Limestone received during the month	(%)	85
14	Sulphur Content of the coal	%	0.5

Name of the Petitioner	 NTPC Ltd
Name of the Generating Station	Unchahar stage-IV

S. No.	Month	Unit	Oct-23
	Opening Quantity		
	Opening Quantity of Limestone	MT	213.64
	Value of Stock	Rs	576828.00
	Quantity		
1	Quantity of Limestone supplied by Reagent supply Company	tonne	2418.61
2	Adjustment (+/-) in quantity supplied made by Limestone or Reagent supply Company	tonne	NA
3	Net quantity of Limestone Received (1±2)	tonne	2418.61
4	Amount charged for Limestone supply Company (Incl GST)	(Rs.)	1451166
5	Adjustment (+/-) in amount charged made for Limestone supply by the Company	(Rs.)	NA
6	Total amount Charged (4±5)	(Rs.)	1451166.00
7	Transportation charges by rail/ship/road transport(Incl GST)	(Rs.)	5079081.00
8	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	NA
9	Demurrage Charges, if any	(Rs.)	NA
10	Total Transportation Charges (7±-8-9)	(Rs.)	5079081.00
11	Total amount Charged for Limestone supplied including Transportation (6+10) (Incl GST)	(Rs.)	6530247.00
12	Weighted Average Cost of Limestone during the month	(Rs/tonne)	2700.00
13	Purity of Limestone received during the month	(%)	85
14	Sulphur Content of the coal	%	0.56
15	Limestone Consumption	MT	1941.60

Name of the Petitioner	 NTPC Ltd
Name of the Generating Station	Unchahar stage-IV

S. No.	Month	Unit	Nov-23
	Opening Quantity		
	Opening Quantity of Limestone	MT	690.65
	Value of Stock	Rs	1864755
	Quantity		
1	Quantity of Limestone supplied by Reagent supply Company	tonne	2530.13
2	Adjustment (+/-) in quantity supplied made by Limestone or Reagent supply Company	tonne	NA
3	Net quantity of Limestone Received (1±2)	tonne	2530.13
4	Amount charged for Limestone supply Company (Incl GST)	(Rs.)	1518078
5	Adjustment (+/-) in amount charged made for Limestone supply by the Company	(Rs.)	NA
6	Total amount Charged (4±5)	(Rs.)	1518078
7	Transportation charges by rail/ship/road transport(Incl GST)	(Rs.)	5313273
8	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	NA
9	Demurrage Charges, if any	(Rs.)	NA
10	Total Transportation Charges (7±-8-9)	(Rs.)	5313273
11	Total amount Charged for Limestone supplied including Transportation (6+10) (Incl GST)	(Rs.)	6831351
12	Weighted Average Cost of Limestone during the month	(Rs/tonne)	2700
13	Purity of Limestone received during the month	(%)	86.72
14	Sulphur Content of the coal	%	0.56

Annexure -I PART 1 FORM- 16A

Name of the Petitioner _____ NTPC Ltd
Name of the Generating Station Unchahar stage-IV

S. No.	Month	Unit	Dec-23
	Opening Quantity		
	Opening Quantity of Limestone	MT	1261.85
	Value of Stock	Rs	3406995
	Quantity		
1	Quantity of Limestone supplied by Reagent supply Company	tonne	1954.38
2	Adjustment (+/-) in quantity supplied made by Limestone or Reagent supply Company	tonne	NA
3	Net quantity of Limestone Received (1±2)	tonne	1954.38
4	Amount charged for Limestone supply Company (Incl GST)	(Rs.)	1172628
5	Adjustment (+/-) in amount charged made for Limestone supply by the Company	(Rs.)	NA
6	Total amount Charged (4±5)	(Rs.)	1172628
7	Transportation charges by rail/ship/road transport(Incl GST)	(Rs.)	4104198
8	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	NA
9	Demurrage Charges, if any	(Rs.)	NA
10	Total Transportation Charges (7±-8-9)	(Rs.)	4104198
11	Total amount Charged for Limestone supplied including Transportation (6+10) (Incl GST)	(Rs.)	5276826
12	Weighted Average Cost of Limestone during the month	(Rs/tonne)	2700
13	Purity of Limestone received during the month	(%)	86
14	Sulphur Content of the coal	%	0.5

Name of the Petitioner	NTPC Ltd
Name of the Generating Station	Unchahar stage-IV

S. No.	Month	Unit	Jan-24
	Opening Quantity		
	Opening Quantity of Limestone	MT	823.93
	Value of Stock	Rs	2224611.00
	Quantity		
1	Quantity of Limestone supplied by Reagent supply Company	tonne	1627.15
2	Adjustment (+/-) in quantity supplied made by Limestone or Reagent supply Company	tonne	NA
3	Net quantity of Limestone Received (1±2)	tonne	1627.15
4	Amount charged for Limestone supply Company (Incl GST)	(Rs.)	976290
5	Adjustment (+/-) in amount charged made for Limestone supply by the Company	(Rs.)	NA
6	Total amount Charged (4±5)	(Rs.)	976290.00
7	Transportation charges by rail/ship/road transport(Incl GST)	(Rs.)	3417015.00
8	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	NA
9	Demurrage Charges, if any	(Rs.)	NA
10	Total Transportation Charges (7±-8-9)	(Rs.)	3417015.00
11	Total amount Charged for Limestone supplied including Transportation (6+10) (Incl GST)	(Rs.)	4393305.00
12	Weighted Average Cost of Limestone during the month	(Rs/tonne)	2700.00
13	Purity of Limestone received during the month	(%)	84.46
14	Sulphur Content of the coal	%	0.48

Name of the Petitioner	 NTPC Ltd
Name of the Generating Station	Unchahar stage-IV

S. No.	Month	Unit	Feb-24
	Opening Quantity		
	Opening Quantity of Limestone	MT	1494.81
	Value of Stock	Rs	4035987.00
	Quantity		
1	Quantity of Limestone supplied by Reagent supply Company	tonne	0
2	Adjustment (+/-) in quantity supplied made by Limestone or Reagent supply Company	tonne	NA
3	Net quantity of Limestone Received (1±2)	tonne	0
4	Amount charged for Limestone supply Company (Incl GST)	(Rs.)	0
5	Adjustment (+/-) in amount charged made for Limestone supply by the Company	(Rs.)	NA
6	Total amount Charged (4±5)	(Rs.)	0.00
7	Transportation charges by rail/ship/road transport(Incl GST)	(Rs.)	0.00
8	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	NA
9	Demurrage Charges, if any	(Rs.)	NA
10	Total Transportation Charges (7±-8-9)	(Rs.)	0.00
11	Total amount Charged for Limestone supplied including Transportation (6+10) (Incl GST)	(Rs.)	0.00
12	Weighted Average Cost of Limestone during the month	(Rs/tonne)	2700.00000000000
13	Purity of Limestone received during the month	(%)	84.48
14	Sulphur Content of the coal	%	0.48
15	Limestone Consumption	MT	0.00

Name of the Petitioner	NTPC Ltd
Name of the Generating Station	Unchahar stage-IV

S. No.	Month	Unit	Mar-24
	Opening Quantity		
	Opening Quantity of Limestone	MT	1494.81
	Value of Stock	Rs	4035987.00
	Quantity		
1	Quantity of Limestone supplied by Reagent supply Company	tonne	1246.13
2	Adjustment (+/-) in quantity supplied made by Limestone or Reagent supply Company	tonne	NA
3	Net quantity of Limestone Received (1±2)	tonne	1246.13
4	Amount charged for Limestone supply Company (Incl GST)	(Rs.)	747678
5	Adjustment (+/-) in amount charged made for Limestone supply by the Company	(Rs.)	NA
6	Total amount Charged (4±5)	(Rs.)	747678.00
7	Transportation charges by rail/ship/road transport(Incl GST)	(Rs.)	2616873.00
8	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	NA
9	Demurrage Charges, if any	(Rs.)	NA
10	Total Transportation Charges (7±-8-9)	(Rs.)	2616873.00
11	Total amount Charged for Limestone supplied including Transportation (6+10) (Incl GST)	(Rs.)	3364551.00
12	Weighted Average Cost of Limestone during the month	(Rs/tonne)	2700.00
13	Purity of Limestone received during the month	(%)	86.37
14	Sulphur Content of the coal	%	0.5

Name of the Petitioner Name of the Generating Station

NTPC Limited **Unchahar Stage IV- ECS**

Statement of Capital cost (To be given for relevant dates and year wise)

b) Am c) Am d) Am e) Am f) Am B a) Ad (Direct b) Am c) Am d) Am e) Am f) Am C a) Ad (Tran: b) Am c) Am d) Am e) Am f) Am d) Am e) Am f)	Particulars pening Gross Block Amount as per books mount of IDC in A(a) above mount of FC in A(a) above mount of FERV in A(a) above mount of Hedging Cost in A(a) above mount of IEDC in A(a) above didition in Gross Block Amount during the period ect purchases) mount of IDC in B(a) above mount of FC in B(a) above mount of FERV in B(a) above mount of Hedging Cost in B(a) above mount of Hedging Cost in B(a) above mount of Hedging Cost in B(a) above mount of IEDC in B(a) above	Accrual Basis 37,131.30 891.57 1,208.54	Un-discharged Liabilities 937.14 0 0 0 0 0 0	891.57 - -
b) Am c) Am d) Am e) Am f) Am B a) Ad (Direct b) Am c) Am d) Am e) Am f) Am c) Am f) Am c) Am d) Am c) Am d) Am c) Am d) Am e) Am f)	mount of IDC in A(a) above mount of FC in A(a) above mount of FERV in A(a) above mount of Hedging Cost in A(a) above mount of IEDC in A(a) above ddition in Gross Block Amount during the period act purchases) mount of IDC in B(a) above mount of FC in B(a) above mount of FERV in B(a) above mount of Hedging Cost in B(a) above	891.57 - - -	0 0 0 0	36,194.16 891.57 - - - 1,208.54
c) Am d) Am e) Am f) Am B a) Ad (Direc b) Am c) Am f) Am f) Am f) Am C a) Ad (Tran: b) Am c) Am f) A	mount of FC in A(a) above mount of FERV in A(a) above mount of Hedging Cost in A(a) above mount of IEDC in A(a) above ddition in Gross Block Amount during the period ect purchases) mount of IDC in B(a) above mount of FERV in B(a) above mount of Hedging Cost in B(a) above	- - -	0 0	- -
d) Am e) Am f) Am B a) Ad (Direc b) Am c) Am d) Am e) Am f) Am C a) Ad (Trans b) Am c) Am d) Am e) Am f) A	mount of FERV in A(a) above mount of Hedging Cost in A(a) above mount of IEDC in A(a) above ddition in Gross Block Amount during the period ect purchases) mount of IDC in B(a) above mount of FC in B(a) above mount of FERV in B(a) above mount of Hedging Cost in B(a) above	-	0	-
e) Am f) Am B a) Ad (Direc b) Am c) Am d) Am e) Am f) Am C a) Ad (Trans b) Am c) Am d) Am e) Am f) A	mount of Hedging Cost in A(a) above mount of IEDC in A(a) above ddition in Gross Block Amount during the period ect purchases) mount of IDC in B(a) above mount of FC in B(a) above mount of FERV in B(a) above mount of Hedging Cost in B(a) above	-	0	-
f) Ame B a) Add (Direct b) Am c) Am d) Am e) Am f) Am C a) Add (Trans b) Am c) Am d) Am e) Am f) Am e) Am f) Am	addition in Gross Block Amount during the period ect purchases) mount of IDC in B(a) above mount of FC in B(a) above mount of FERV in B(a) above mount of Hedging Cost in B(a) above	1,208.54	-	1,208.54
B a) Add (Direct b) Arr c) Arr f) f) Arr f)	addition in Gross Block Amount during the period ect purchases) mount of IDC in B(a) above mount of FC in B(a) above mount of FERV in B(a) above mount of Hedging Cost in B(a) above	1,208.54	0	1,208.54
C a) Add (Transb) Am e) Am f)	mount of IDC in B(a) above mount of FC in B(a) above mount of FERV in B(a) above mount of Hedging Cost in B(a) above			
b) Am c) Am d) Am e) Am f) Am f) Am C a) Ad (Trans b) Am c) Am d) Am e) Am f)	mount of IDC in B(a) above mount of FC in B(a) above mount of FERV in B(a) above mount of Hedging Cost in B(a) above			
c) Am d) Arr e) Arr f) Am C a) Add (Trans b) Arr c) Am d) Arr f) Am D a) De b) Arr c) Am d) Arr f) Am	mount of FC in B(a) above mount of FERV in B(a) above mount of Hedging Cost in B(a) above			
d) Am e) Am f) Am C a) Ad (Trans b) Am c) Am d) Am f) Am f) Am f) Am D a) De b) Am c) Am d) Am e) Am f) Am	mount of FERV in B(a) above mount of Hedging Cost in B(a) above			
e) Am f) Am f) Am c an Ad (Trans b) Am c) Am d) Am f) Am f) Am f) Am c) Am f) Am	mount of Hedging Cost in B(a) above			
f) Ame C a) Add (Trans b) Am c) Am d) Am e) Am f) Am D a) De b) Am c) Am d) Am e) Am f) Am				
D a) De b) Am c) Am d) Am e) Am f) A	(-)			
D a) De b) Am c) Am d) Am e) Am f) A				
c) Am d) Am e) Am f) Am D a) De b) Am c) Am d) Am e) Am f) Am f) Am	ddition in Gross Block Amount during the period insferred from CWIP)			
D a) De b) Am c) Am d) Am e) Am f) Ami	mount of IDC in C(a) above			
D a) De b) Am c) Am d) Am e) Am f) Am	mount of FC in C(a) above			
D a) De b) Am c) Am d) Arr e) Am f) Am	mount of FERV in C(a) above			
D a) De b) Am c) Am d) Arr e) Arr f) Am	mount of Hedging Cost in C(a) above			
b) Am c) Am d) Am e) Am	nount of IEDC in C(a) above			
b) Am c) Am d) Am e) Am		To be provid	led at the time of truing-up	
c) Am d) Am e) Am f) Am	eletion in Gross Block Amount during the period			
d) Am e) Am f) Am	mount of IDC in D(a) above			
e) Am	mount of FC in D(a) above			
f) Am	mount of FERV in D(a) above mount of Hedging Cost in D(a) above			
	nount of IEDC in D(a) above			
	induit of IEDC III D(a) above			
E a) Clo	losing Gross Block Amount as per books			
	mount of IDC in E(a) above			
	mount of FC in E(a) above			
d) Am	mount of FERV in E(a) above			
	mount of Hedging Cost in E(a) above			
f) Am				
	nount of IEDC in E(a) above			
	nount of IEDC in E(a) above			
	nount of IEDC in E(a) above			

Name of the Petitioner Name of the Generating Station

NTPC Limited Unchahar Stage IV- ECS

			FY 2024-25	(Amount in Rs. L		
S. No.	Particulars	Accrual Basis	Un-discharged Liabilities	Cash Basis		
Α	a) Opening CWIP as per books					
	b) Amount of IDC in A(a) above					
	c) Amount of FC in A(a) above					
	d) Amount of FERV in A(a) above					
	e) Amount of Hedging Cost in A(a) above					
	f) Amount of IEDC in A(a) above					
В	a) Addition in CWIP during the period					
	b) Amount of IDC in B(a) above					
	c) Amount of FC in B(a) above					
	d) Amount of FERV in B(a) above					
	e) Amount of Hedging Cost in B(a) above					
	f) Amount of IEDC in B(a) above					
	(7)					
С	a) Transferred to Gross Block Amount during the period					
	b) Amount of IDC in C(a) above					
	c) Amount of FC in C(a) above					
	d) Amount of FERV in C(a) above					
	e) Amount of Hedging Cost in C(a) above					
	f) Amount of IEDC in C(a) above					
D	a) Deletion in CWIP during the period	To	be provided at the tim	ne of truing-up		
D	b) Amount of IDC in D(a) above					
	c) Amount of FC in D(a) above					
	d) Amount of FERV in D(a) above					
	e) Amount of Hedging Cost in D(a) above f) Amount of IEDC in D(a) above					
	1) Amount of TEDO III D(a) above	_				
E	a) Closing CWIP as per books					
	b) Amount of IDC in E(a) above					
	c) Amount of FC in E(a) above					
	d) Amount of FERV in E(a) above					
	e) Amount of Hedging Cost in E(a) above					
	f) Amount of IEDC in E(a) above					
	,					

PART-I FORM-N

Calculation of Interest on Normative Loan

Name of the Company : NTPC Limited

Name of the Power Station : Unchahar Stage IV- ECS

(Amount in Rs Lakh)

	(Amount in Rs L					IIIL III KS LAKII)
S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
1	Gross Normative loan – Opening	24,144.46	25,167.16	25,596.26	25,596.26	25,596.26
2	Cumulative repayment of Normative loan up to previous year	2,427.22	4,249.17	6,124.75	8,016.19	9,907.63
3	Net Normative Ioan – Opening	21,717.24	20,918.00	19,471.51	17,580.07	15,688.63
4	Add: Increase due to addition during the year / period	1,022.70	429.10	-	-	-
5	Less: Decrease due to de-capitalisation during the year / period	1	-	1	-	-
6	Less: Decrease due to reversal during the year / period	-	-	-	-	-
7	Add: Increase due to discharges during the year / period	-	-	-	-	-
8	Less: Repayment of Loan	1,821.95	1,875.59	1,891.44	1,891.44	1,891.44
9	Net Normative loan - Closing	20,918.00	19,471.51	17,580.07	15,688.63	13,797.19
10	Average Normative loan	21,317.62	20,194.75	18,525.79	16,634.35	14,742.91
11	Weighted average rate of interest*	3.49%	3.52%	3.63%	3.87%	4.21%
12	Interest on Loan	743.69	711.44	671.76	644.24	621.08

	ne of the Company ne of the Power Station			NTPC Limite Unchahar St			
SN	Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
1	Auxiliary consumption	%	5.75	5.75	5.75	5.75	5.75
2	Additional Auxiliary Power Consumption (ECS)	%	1.00	1.00	1.00	1.00	1.00
3	Design SO2 Removal Effeciency	%	95.06%	95.06%	95.06%	95.06%	95.06%
4	SHR		2372.43	2372.43	2372.43	2372.43	2372.43
5	CVPF		3956.75	3956.75	3956.75	3956.75	3956.75
6	Specific Reagent Consumption (kg/kwh)	g/kwh	9.704	9.704	9.704	9.704	9.704
7	Landed Cost of Reagent (Rs/MT)	Rs/MT	2,496	2,496	2,496	2,496	2,496
8	Supplementary Energy Charge (Rs/kwh)	Rs/kwh	0.0710	0.0710	0.0710	0.0710	0.0710
9	Installed Capacity	MW	500	500	500	500	500
10	No of Days in the year	Days	365	365	365	366	365
11	ESO in 1 Day	MU	9.51	9.51	9.51	9.51	9.51
12	Cost of Reagent consumed in a day	Rs Lakh	2.47	2.47	2.47	2.47	2.47
13	ECR supp.	dECR+ [(SRC		100-(AUXn + /	AUXen))]	0.0710	Rs/KWh
14	dECR	ECRen-ECRn				0.045	Rs/KWh
15	SRC	[K x SHR x S/CVPF] x [85/ LP] 9.70 g/k				g/KWh	
16	K	(35.2 x Design	SO2 Remova	al Efficiency/96	5%)	34.86	
17	CVPF					3957	Kcal/Kg
18	ECRn					4.143	Rs/Kwh
19	ECRen					4.188	Rs/Kwh
20	S					0.49	%

Form-O(i) Para	meters_	
LP(Average)	85.77	
Sulpher Content(Average)	0.49	
Landed Cost of Reagent (Rs/MT)	2496.38	
<u>Data</u>	ı	
CVPF (kCal/Kg)	3,956.75	
CVSF (kCal/Litre)	9,345.67	
LPPF (Rs/MT)	6,318.95	
LPSF (Rs/KL)	81,596.96	
AUX-Norm (%)	5.75	
GHR-Norm (kCal/kWh)	2372.43	
SFC-Norm (Litre/kWh)	0.0005	
ECR (INR)	4.1430	
AUX for DESOX(Norm) (%)	1	
NEW AUX-NORM (%)	6.75	
NEW GHR-NORM (kCal/kWh)	2372.43	
NEW-SFC-NORM (Litre/kWh)	0.0005	
NEW ECR (INR)	4.188	
Delta ECR ((New ECR-OLD ECR)= ΔECR)	0.0450	

PART 1 FORM- O

Calculation of Interest on Working Capital

1 /		NTPC Limited					
			Unchahar Stage IV- ECS				
						(Amount	t in Rs Lakh)
S. No.	Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3				4
	No of days		365	365	365	366	365
1	Cost of Limestone/Reagent Stock	20 days	49.42	49.42	49.42	49.42	49.42
1a	Cost of Limestone/Reagent Advance Payment	30 Days	74.13	74.13	74.13	74.13	74.13
2	Receivables	45 days	921.15	934.56	938.54	940.64	943.57
3	O & M Expenses	1 month	61.41	64.63	68.03	71.60	75.36
4	Maintenance Spares	@20%	147.38	155.12	163.26	171.83	180.85
5	Total Working Capital		1253.49	1277.86	1293.38	1307.62	1323.34
6	Rate of Interest	%	11.90	11.90	11.90	11.90	11.90
7	Interest on Working Capital		149.17	152.07	153.91	155.61	157.48

		PART 1			
		FORM-T			
		summary of issue involved in the petition			
	of the Company :	NTPC Limited			
	of the Power Station :	Unchahar Stage IV- ECS			
1	Petitioner:	NTPC Limited			
2	Subject	Determination of Supplementary Tariff for 2024-29 period			
3	ii)Pass any other order as	ry tariff of FGUTPS-IV for the tariff period 01.04.2024 to 31.03.2029. It may deem fit in the circumstances mentioned above.			
4	Respondents				
	Name of Respondents 1.Uttar Pradesh Power Cor	LLL (LIDDOL)			
	,				
2.Rajasthan Urja Vika Nigam Limited (RUVNL)					
	3.Haryana Power Purchase Centre. (HPPC)				
	4.Power Development Dep	,			
	5. Electricity Department (C	o ,			
	6.Uttarakhand Power Corpo	oration Ltd (UPCL)			



No. 11/86/2017-Th.II Government of India Ministry of Power

Shram Shakti Bhawan, Rafi Marg, New Delhi, dated the 8th October, 2021

To,

- 1. Principal Secretary/Secretary in charge of Energy/Power Departments, All States/UTs
- 2. Chairman, CEA
- 3. CMDs of all CGSs

Subject: Revised Policy for Biomass Utilisation for Power Generation through Co-firing in Coal based Power Plants
Sir/Madam,

The undersigned is directed to refer to this Ministry's "Policy for Biomass Utilisation for Power Generation through Co-firing in Pulverised Coal Fired Boilers" issued in November, 2017

2. In order to further promote use of biomass pellets in coal based thermal power plants, the above Policy is further modified. A copy of "Revised Policy for Biomass Utlisation for Power Generation through Co-firing in Coal based Power Plants" is enclosed for information and necessary action please.

Yours faithfully

baurach

Encls: As Above

Kumar Saurabh Deputy Director(Thermal) Ministry of Power

Copy to:

- (i) PS to Hon'ble Minister,
- (ii) PS to Hon'ble MoS for Power,
- (iii) Sr. PPS to Secretary(Power),
- (iv) PPS to AS(SKGR), PPS to AS&FA, PPS to AS(VKD)
- (v) All Joint Secretaries/EA/Chief Engineer, Ministry of Power
- (vi) Incharge, NIC, Ministry of Power with a request to upload this document on the website of MoP.

REVISED POLICY OF MINISTRY OF POWER FOR BIOMASS UTILIZATION FOR POWER GENERATION THROUGH CO-FIRING IN COAL BASED POWER PLANTS

- 1. The current availability of biomass in India is estimated at about 750 million metric tonnes per year. The estimated surplus biomass availability is at about 230 million metric tonnes per annum covering agricultural residues.
- 2. Ministry of Power (MoP) vide its policy dated 17-11-2017 on biomass utilization for power generation had advised that all fluidized bed and pulverized coal units (coal based thermal power plants) except those having ball and tube mill, of power generation utilities, public or private, located in India, to use 5-10% blend of biomass pellets made, primarily, of agro residue along with coal after assessing the technical feasibility, viz. safety aspect etc.
- 3. In order to further promote use of biomass pellets in coal based thermal power plants, the above Policy is further modified. The modifications in the above Policy are as under:
- (i). All coal based thermal power plants of power generation utilities with **bowl mill**, shall on annual basis mandatorily use 5 percent blend of biomass pellets made, primarily, of agro residue along with coal with effect from one year of the date of issue of this guideline. The obligation shall increase to 7 percent with effect from two years after the date of issue of this order and thereafter.
- (ii). All coal based thermal power plants of power generation utilities with **ball & race mill**, shall on annual basis mandatorily use 5 % blend of biomass pellets (torrefied only) made, primarily, of agro residue along with coal. This is to be complied within one year starting from this order. Two years from the date of issue of this order and thereafter the obligation will increase to 7 percent.
- (iii). All coal based thermal power plants of power generation utilities with **ball & tube mills**, shall on annual basis mandatorily use 5 % blend of torrefied biomass pellets with volatile content below 22%, primarily made of agro residue along with coal. This is to be complied within one year.
- (iv). Generating Utilities having certain units under Reserve Shutdown or not being despatched due to MOD (Merit Order Despatch) consideration would ensure to increase the percentage of co-firing up to $10\,\%$ in their other operating units/ plants ($5\,\%$ in plants having ball and tube mills).
- (v). Any power plants seeking exemptions / relaxation from co-firing may be considered on case to case basis, based on recommendations of CEA. A Committee headed by Chief Engineer (TE&TD), CEA, including representatives from NTPC, BHEL, CPRI, Ministry of Agriculture and Mission

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Directorate shall examine the request of power plants for their exemption/relaxation from mandatory co-firing of biomass, as mentioned at para (i) to (iv) above.

- (vi). The policy for co-firing of biomass would be in force for 25 years or till the useful life of the thermal power plant whichever is earlier. The minimum percentage of biomass for co-firing will be reviewed from time to time.
- (vii) The minimum contract period for procurement of biomass pellets by generating utilities shall be for 7 years so as to avoid delay in awarding contracts by generating companies every year and also to build up long term supply chain. There may be provision of firm price of biomass pellets for the first year of the contract and yearly rate variation from second year onwards where rates can vary as per terms and conditions of the contract. In order to enable its implementation, a model RfP and contract shall be issued by MOP by 15.11.2021 for adhering to by all generating utilities. However, the ongoing process of contracting for biomass co-firing by generating utilities shall not be affected till issue of Model Contract.
- (viii). Provisions related to tariff determination and scheduling shall be as given below:
 - a. For projects set up under Section 62 of the Electricity Act 2003, the increase in cost due to co-firing of biomass pellets shall be pass through in Energy Charge Rate (ECR).
 - b. For projects set up under Section 63 of the Electricity Act 2003, the increase in ECR due to biomass co-firing can be claimed under Change in Law provisions.
 - c. Such additional impact on ECR shall not be considered in deciding Merit Order Despatch (MOD) of the power plant.
 - d. Obligated Entities such as Discoms can meet their Renewable Purchase Obligations (RPO) by buying such generation of cofiring.

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REGD. No. D. L.-33004/99



सी.जी.-डी.एल.-अ.-01012022-232336 CG-DL-E-01012022-232336

असाधारण EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii) PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित PUBLISHED BY AUTHORITY

सं. 5075] No. 5075] नई दिल्ली, शुक्रवार, दिसम्बर 31, 2021/पौष 10, 1943 NEW DELHI, FRIDAY, DECEMBER 31, 2021/PAUSHA 10, 1943

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

अधिसूचना

नई दिल्ली, 31 दिसम्बर, 2021

का.आ. 5481(अ).—केन्द्रीय सरकार ने भारत सरकार के तत्कालीन पर्यावरण और वन मंत्रालय की अधिसूचना सं. का.आ. 763 (अ) तारीख 14 सितम्बर, 1999 द्वारा कोयला या लिग्नाइट आधारित ताप विद्युत संयंत्रों से तीन सौ किलोमीटर के विनिर्दिष्ट व्यास के भीतर ईंटों के विनिर्माण के लिए उपजाऊ मिट्टी के उत्खनन को प्रतिबंधित करने के लिए और भवन निर्माण सामग्री के विनिर्माण में और संनिर्माण क्रियाकलाप में फ्लाई-राख के उपयोग को बढ़ावा देने के लिए निदेश जारी किए हैं:

और, प्रदूषणकर्ता भुगतान सिद्धांत (पीपीपी) के आधार पर, ऐसा करके कोयला या लिग्नाइट आधारित ताप विद्युत संयंत्रों द्वारा फ्लाई-राख का 100 प्रतिशत उपयोग सुनिश्चित करते हुए और फ्लाई-राख प्रबंधन प्रणाली की संधारणीयता के लिए पूर्वोक्त अधिसूचना को और अधिक प्रभावकारी ढंग से कार्यान्वित करने हेतु, केंद्रीय सरकार ने मौजूदा अधिसूचना की समीक्षा की;

और प्रदूषणकर्ता भुगतान सिद्धांत के आधार पर पर्यावरणीय प्रतिकर निर्धारित किए जाने की आवश्यकता है;

और, विनिर्माण को बढ़ावा देकर तथा निर्माण कार्य के क्षेत्र में राख आधारित उत्पादों तथा भवन निर्माण सामग्रियों के प्रयोग को अनिवार्य करके उपजाऊ मिट्टी को संरक्षित करने की आवश्यकता है;

		सीमेंट शीट या पाइ	इप या बोर्ड या पैनल):			
	ii.	सीमेंट विनिर्माण:				
	iii.	रेडी मिक्स कंक्रीट:				
	iv.	राख और जीओ-पॉ	लिमर आधारित निर्माण	सामर्ग्र	τ :	
	٧.	सिंटर्ड या कोल्ड ब	ॉन्डेड राख एग्रीगेट का न <u>ि</u>	र्माण:		
	vi.	सड़कों, सड़क और	फ्लाई ओवर के पुश्तों का	निर्मा	ग:	
	vii.	बांधों का निर्माण:				
	viii.	निम्न भू-क्षेत्र का भ	ाराव:			
	ix.	खनिज क्षेत्रों का भ	राव:			
	X.	अधिभार वाले डम्प	गों में उपयोग:			
	xi.	कृषि:				
	xii.	तटीय जिलों में तट	रेखा सुरक्षा संरचनाओं क	ा निम	ोण:	
	xiii.	अन्य देशों को राख	का निर्यात			
	xiv.	अन्य (कृपया विनि	र्दिष्ट करें):			
20.	सार:					
		ब्यौरा	सृजित मात्रा		योग की गई मात्रा	शेष मात्रा (एमटीपी)
			(एमटीपी)	(ए	मटीपी) और (%)	
		ग की अवधि के				
	दौरान					
	पुरानी	राख				
	कुल					
21.	कोई अ	न्य सूचना :				
	वार्षिक	अनुपालन रिपोर्ट,	और विद्युत संयंत्रों और	राख		
	कुण्डों व	<mark>की शेप फाइलों की</mark> स	ॉफ्ट कॉपी ई-मेल:- <mark>mo</mark> e	efcc-		
	coalas	sh@gov.in पर भेज	नी जाए।			
22.	प्राधिकृ	त हस्ताक्षरकर्ता के ह	स्ताक्षर			

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE NOTIFICATION

New Delhi, the 31st December, 2021

S.O. 5481(E).—Whereas by notification of the Government of India in the erstwhile Ministry of Environment and Forests *vide* S.O.763 (E), dated the 14th September, 1999, as amended from time to time, the Central Government, issued directions for restricting the excavation of top soil for manufacturing of bricks and promoting the utilisation of fly ash in the manufacturing of building materials and in construction activity within a specified radius of three hundred kilometres from the coal or lignite based thermal power plants;

And whereas, to implement the aforesaid notification more effectively based on the polluter pays principle (PPP) thereby ensuring 100 per cent utilisation of fly ash by the coal or lignite based thermal power plants and for the sustainability of the fly ash management system, the Central Government reviewed the existing notification; and whereas environmental compensation needs to be introduced based on the polluter pays principle;

And whereas, there is a need to conserve top soil by promoting manufacture and mandating use of ash based products and building materials in the construction sector;

And whereas, there is a need to conserve top soil and natural resources by promoting utilisation of ash in road laying, road and flyover embankments, shoreline protection measures, low lying areas of approved projects, backfilling of mines, as an alternative for filling of earthen materials;

And whereas, it is necessary to protect the environment and prevent the dumping and disposal of fly ash discharged from coal or lignite based thermal power plants on land;

And whereas, in the said notification the phrase 'ash', has been used which includes both fly ash as well as bottom ash generated from the Coal or Lignite based thermal power plants;

And whereas, the Central Government intends to bring out a comprehensive framework for ash utilisation including system of environmental compensation based on polluter pays principle;

And whereas, a draft notification on ash utilisation by coal or lignite thermal power plants in supersession of the notification of the Government of India, Ministry of Environment and Forests published in the Gazette of India, Extra Ordinary part II, section 3, sub-section (i) *vide* S.O.763 (E), dated the 14th September, 1999, by notification in exercise of the powers conferred under sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 (29 of 1986) read with clause (d) of sub-rule (3) of rule (5) of the Environment (Protection) Rules, 1986, was published in the Gazette of India, Extraordinary, Part II, section 3, sub-section (i), *vide* G.S.R. 285(E), dated the 22nd April, 2021 inviting objections and suggestions from all persons likely to be affected thereby before the expiry of sixty days from the date on which copies of the Gazette containing the said draft provisions were made available to the public;

And, whereas all the objections and suggestions received from all persons likely to be affected thereby in respect of the said draft notification have been duly considered by the Central Government;

Now, therefore, in exercise of the powers conferred by sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 (29 of 1986) read with clause (d) of sub-rule (3) of rule (5) of the Environment (Protection) Rules, 1986, and in supersession of the Notification S.O.763 (E), dated the 14th September, 1999 except as respect things done or omitted to be done before such supersession, the Central Government hereby issues the following notification on ash utilisation from coal or lignite thermal power plants which shall come into force on the date of the publication of this notification, namely:-

A. Responsibilities of thermal power plants to dispose fly ash and bottom ash.—

- (1) Every coal or lignite based thermal power plant (including captive or co-generating stations or both) shall be primarily responsible to ensure 100 per cent utilisation of ash (fly ash, and bottom ash) generated by it in an eco-friendly manner as given in sub-paragraph (2);
- (2) The ash generated from coal or lignite based thermal power plants shall be utilised only for the following eco-friendly purposes, namely:-
- (i) Fly ash based products viz. bricks, blocks, tiles, fibre cement sheets, pipes, boards, panels;
- (ii) Cement manufacturing, ready mix concrete;
- (iii) Construction of road and fly over embankment, Ash and Geo-polymer based construction material;
- (iv) Construction of dam;
- (v) Filling up of low lying area;
- (vi) Filling of mine voids;
- (vii) Manufacturing of sintered or cold bonded ash aggregate;
- (viii) Agriculture in a controlled manner based on soil testing;
- (ix) Construction of shoreline protection structures in coastal districts;

- (x) Export of ash to other countries;
- (xi) Any other eco-friendly purpose as notified from time to time.
- (CPCB) and having representatives from Ministry of Environment, Forest and Climate Change (MoEFCC), Ministry of Power, Ministry of Mines, Ministry of Coal, Ministry of Road Transport and Highways, Department of Agricultural Research and Education, Institute of Road Congress, National Council for Cement and Building Materials, to examine and review and recommend the eco-friendly ways of utilisation of ash and make inclusion or exclusion or modification in the list of such ways as mentioned in Subparagraph (2) based on technological developments and requests received from stakeholders. The committee may invite State Pollution Control Board or Pollution Control Committee, operators of thermal power plants and mines, cement plants and other stakeholders as and when required for this purpose. Based on the recommendations of the Committee, Ministry of Environment, Forest and Climate Change (MoEFCC) may publish such eco-friendly purpose.
- (4) Every coal or lignite based thermal power plant shall be responsible to utilise 100 per cent ash (fly ash and bottom ash) generated during that year, however, in no case shall utilisation fall below 80 per cent in any year, and the thermal power plant shall achieve average ash utilisation of 100 per cent in a three years cycle:

Provided that the three years cycle applicable for the first time is extendable by one year for the thermal power plants where ash utilisation is in the range of 60-80 per cent, and two years where ash utilisation is below 60 per cent and for the purpose of calculation of percentage of ash utilisation, the percentage quantity of utilisation in the year 2021-2022 shall be taken into account as per the table below:

Utilisation percentages of thermal power plants	First compliance Cycle to meet 100 per cent utilisation	Second compliance cycle onwards, to meet 100 per cent utilisation
>80 per cent	3 years	3 years
60-80 per cent	4 years	3 years
<60 per cent	5 years	3 years

Provided further that the minimum utilisation percentage of 80 per cent shall not be applicable to the first year and first two years of the first compliance cycle for the thermal power plants under the utilisation category of 60-80 per cent and <60 per cent, respectively.

Provided also that 20per cent of ash generated in the final year of compliance cycle may be carried forward to the next cycle which shall be utilised in the next three years cycle along with the ash generated during that cycle.

(5) The unutilised accumulated ash i.e. legacy ash, which is stored before the publication of this notification, shall be utilised progressively by the thermal power plants in such a manner that the utilization of legacy ash shall be completed fully within ten years from the date of publication of this notification and this will be over and above the utilisation targets prescribed for ash generation through current operations of that particular year:

Provided that the minimum quantity of legacy ash in percentages as mentioned below shall be utilised during the corresponding year and the minimum quantity of legacy ash is to be calculated based on the annual ash generation as per installed capacity of thermal power plant.

Year from date of publication	1 st	2 nd	3 rd -10 th
Utilisation of legacy ash (in percentage of Annual ash)	At least 20 per cent	At least 35 per cent	At least 50 per cent

Provided further that the legacy ash utilisation shall not be required where ash pond or dyke has stabilised and the reclamation has taken place with greenbelt or plantation and the concerned State Pollution Control Board shall certify in this regard. Stabilisation and reclamation of an ash pond or dyke including certification by the Central Pollution Control Board (CPCB) or State Pollution Control Board (SPCB) or Pollution Control Committee (PCC) shall be carried out within a year from the date of publication of this notification. The ash remaining in all other ash ponds or dykes shall be utilised in progressive manner as per the above mentioned timelines.

Note: The obligations under sub-paragraph (4) and (5) above for achieving the ash utilisation targets shall be applicable from 1st April, 2022.

- (6) Any new as well as operational thermal power plant may be permitted an emergency or temporary ash pond with an area of 0.1 hectare per Mega Watt (MW). Technical specifications of ash ponds or dykes shall be as per the guidelines of Central Pollution Control Board (CPCB) made in consultation with Central Electricity Authority (CEA) and these guidelines shall also lay down a procedure for annual certification of the ash pond or dyke on its safety, environmental pollution, available volume, mode of disposal, water consumption or conservation in disposal, ash water recycling and greenbelt, etc., and shall be put in place within three months from the date of publication of this notification.
- (7) Every coal or lignite based thermal power plant shall ensure that loading, unloading, transport, storage and disposal of ash is done in an environmentally sound manner and that all precautions to prevent air and water pollution are taken and status in this regard shall be reported to the concerned State Pollution Control Board (SPCB) or Pollution Control Committee (PCC) in Annexure attached to this notification.
- (8) Every coal or lignite based thermal power plant shall install dedicated silos for storage of dry fly ash silos for at least sixteen hours of ash based on installed capacity and it shall be reported upon to the concerned State Pollution Control Board (SPCB) or Pollution Control Committee (PCC) in the Annexure and shall be inspected by Central Pollution Control Board (CPCB) or State Pollution Control Board (SPCB) or Pollution Control Committee (PCC) from time to time.
- (9) Every coal or lignite based thermal power plant (including captive or co-generating stations or both) shall provide real time data on daily basis of availability of ash with Thermal Power Plant (TPP), by providing link to Central Pollution Control Board's web portal or mobile phone App for the benefit of actual user(s).
- (10) Statutory obligation of 100 per cent utilisation of ash shall be treated as a change in law, wherever applicable.
 - B. For the purpose of utilisation of ash, the subsequent sub-paras shall apply.—
- (1) All agencies (Government, Semi-government and Private) engaged in construction activities such as road laying, road and flyover embankments, shoreline protection structures in coastal districts and dams within 300 kms from the lignite or coal based thermal power plants shall mandatorily utilise ash in these activities:

Provided that it is delivered at the project site free of cost and transportation cost is borne by such coal or lignite based thermal power plants.

Provided further that thermal power plant may charge for ash cost and transportation as per mutually agreed terms, in case thermal power plant is able to dispose the ash through other means and those agencies makes a request for it and the provisions of ash free of cost and free transportation shall be applicable, if thermal power plant serves a notice on the construction agency for the same.

The utilisation of ash in the said activities shall be carried out in accordance with specifications and guidelines laid down by the Bureau of Indian Standards, Indian Road Congress, Central Building Research Institute, Roorkee, Central Road Research Institute, Delhi, Central Public Works Department, State Public Works Departments and other Central and State Government Agencies.

(3) It shall be obligatory on all mines located within 300 kilometres radius of thermal power plant, to undertake backfilling of ash in mine voids or mixing of ash with external Overburden dumps, under Extended Producer Responsibility (EPR). All mine owners or operators (Government, Public and Private Sector) within three hundred kilometres (by road) from coal or lignite based thermal power plants, shall undertake measures to mix at least 25 per cent of ash on weight to weight basis of the materials used for external dump of overburden, backfilling or stowing of mine (running or abandoned as the case may be) as per the guidelines of the Director General of Mines Safety (DGMS):

Provided that such thermal power stations shall facilitate the availability of required quantity of ash by delivering ash free of cost and bearing the cost of transportation or cost or transportation arrangement decided on mutually agreed terms and mixing of ash with overburden in mine voids and dumps shall be applicable for the overburden generated from the date of publication of this notification and the utilisation of ash in the said activities shall be carried out in accordance with guidelines laid down by the Central Pollution Control Board, Director General of Mines Safety and Indian Bureau of Mines.

Explanation.- For the purpose of this sub-paragraph, it is also clarified that the provisions of ash free of cost and free transportation shall be applicable, if thermal power plants serve a notice on the mine owner for the same and the mandate of using 25 per cent of ash for mixing with overburden dump and filling up of mine voids shall not be applicable unless a notice is served on the mine owner by thermal power plant.

- (4) (i) All mine owners shall get mine closure plans (progressive and final) to accommodate ash in the mine voids and the concerned authority shall approve mine plans for disposal of ash in mine voids and mixing of ash with overburden dumps. The Ministry of Environment, Forest and Climate Change (MoEFCC) has issued guidelines on 28th August, 2019 regarding exemption of requirement of Environmental Clearance of thermal power plants and coal mines along with the guidelines to be followed for such disposal.
 - (ii) The Ministry in consultation with Central Pollution Control Board (CPCB), Director General of Mine Safety (DGMS) and Indian Bureau of Mines (IBM) may issue further guidelines time to time to facilitate ash disposal in mine voids and mixing with overburden dumps and it shall be the responsibility of mine owners to get the necessary amendments or modifications in the permissions issued by various regulatory authorities within one year from the date of identification of such mines.
- (5) (i) There shall be a committee headed by Chairperson, Central Pollution Control Board (CPCB) with representatives from Ministry of Environment, Forest and Climate Change, Ministry of Power, Ministry of Mines, Ministry of Coal, Director General of Mine Safety and Indian Bureau of Mines for identification of mines for backfilling of mine voids with ash or mixing of ash with overburden dump including examination of safety, feasibility (not economic feasibility) and aspects of environmental contamination and the committee shall get updated quarterly reports prepared regarding identified mines (both underground and opencast) for the stakeholder Ministries or Departments and the committee shall start identifying the suitable mines immediately after the publication of this notification.
 - (ii) Thermal power plants or mines shall not wait for disposal of ash till the identification is done by the above mentioned committee, to meet the utilisation targets mandated as above.
- (6) Filling of low lying areas with ash shall be carried out with prior permission of the State Pollution Control Board or Pollution Control Committee for approved projects, and in accordance with guidelines laid down by Central Pollution Control Board (CPCB) and the State Pollution Control Board or Pollution Control Committee (PCC) shall publish approved sites, location, area and permitted quantity annually on its website.
- (7) Central Pollution Control Board after engaging relevant stakeholders, shall put in place the guidelines within one year for all types of activities envisaged under this notification including putting in place time bound online application process for the grant permission by State Pollution Control Boards (SPCBs) or Pollution Control Committees (PCCs).

- (8) All building construction projects (Central, State and Local authorities, Govt. undertakings, other Govt. agencies and all private agencies) located within a radius of three hundred kilometres from a coal or lignite based thermal power plant shall use ash bricks, tiles, sintered ash aggregate or other ash based products, provided these are made available at prices not higher than the price of alternative products.
- (9) Manufacturing of ash based products and use of ash in such products shall be in accordance with specifications and guidelines laid down by the Bureau of Indian Standards, Indian Road Congress, and Central Pollution Control Board.

C. Environmental compensation for non-compliance.—

- (1) In the first two years of a three years cycle, if the coal or lignite based thermal power plant (including captive or co-generating stations or both) has not achieved at least 80 per cent ash (fly ash and bottom ash) utilisation, then such non-compliant thermal power plants shall be imposed with an environmental compensation of Rs. 1000 per ton on unutilised ash during the end of financial year based on the annual reports submitted and if it is unable to utilise 100 per cent of ash in the third year of the three years cycle, it shall be liable to pay an environmental compensation of Rs. 1000 per ton on the unutilised quantity on which environmental compensation has not been imposed earlier:
 - Provided that the environmental compensation shall be estimated and imposed at the end of last year of the first compliance cycle as per the various utilisation categories as mentioned in sub-paragraph (4) of Para A.
- (2) Environmental compensation collected by the authorities shall be deposited in the designated account of Central Pollution Control Board.
- (3) In case of legacy ash, if the coal or lignite based thermal power plant (including captive or co-generating stations or both) has not achieved utilisation equivalent to at least 20 per cent (for the first year), 35 per cent (for the second year), 50 per cent (for third to tenth year) of ash generated based on installed capacity, an environmental compensation of Rs. 1000 per ton of unutilised legacy ash during that financial year shall be imposed and if the utilization of legacy ash is not completed at the end of 10 years, an environmental compensation of Rs.1000 per ton shall be imposed on the remaining unutilised quantity which has not been imposed earlier.
- (4) It shall be the responsibility of the transporters or vehicle owner to deliver ash to authorised purchaser or user agency and if it is not complied, then an environmental compensation of Rs. 1500 per ton on such quantity as mis-delivered to unauthorised users or non- delivered to authorised users will be imposed besides prosecution of such non-compliant transporters by State Pollution Control Board (SPCB) or Pollution Control Committee (PCC).
- (5) It is the responsibility of the purchasers or user agencies to utilise ash in an eco-friendly manner as laid down at para B of this notification and if it is not complied, then an environmental compensation of Rs. 1500 or per ton shall be imposed by State Pollution Control Board (SPCB) or Pollution Control Committee (PCC).
- (6) If the user agencies do not utilise ash to the extent obligated under para B or the extent to which they have been intimated through Notice(s) served under sub-paragraph (1) of para D, whichever is lower, they shall be liable to pay Rs. 1500 per ton of ash for the quantity they fall short off:
 - Provided that the environmental compensation on building constructions shall be levied at Rs.75/- per square feet of built up area of construction.
- (7) (i) The environmental compensation collected by Central Pollution Control Board from the thermal power plants and other defaulters shall be used towards the safe disposal of the unutilised ash and the fund may also be utilised for advancing research on use of ash including ash based products.
 - (ii) The liability of ash utilisation shall be with thermal power plants even after imposition of environmental compensation on unutilised quantities and in case thermal power plant achieves the ash utilisation of any

particular cycle after imposition of environmental compensation in subsequent cycles, the said amount shall be returned to thermal power plant after deducting 10 per cent of the environmental compensation collected on the unutilised quantity during the next cycle and deduction of 20 per cent, 30 per cent, and so on, of the environmental compensation collected is to be made in case of utilisation of ash in subsequent cycles.

D. Procedure for supply of ash or ash based products.—

- (1) The owner of thermal power plants or manufacturers of ash bricks or tiles or sintered ash aggregate shall serve written notice to persons or agencies who are liable to utilise ash or ash based products, offering for sale, or transport or both.
- (2) Persons or user agencies who have been served notices by owner of thermal power plants or manufacturers of ash bricks or tiles or sintered ash aggregate, if they have already tied up with other agencies for the purpose of utilisation of ash or ash products, shall inform the thermal power plant accordingly, if they cannot use any ash or ash products or use reduced quantity.

E. Enforcement, Monitoring, Audit and Reporting.—

- (1) The Central Pollution Control Board (CPCB) and the concerned State Pollution Control Board (SPCB) or Pollution Control Committee (PCC) shall be the enforcing and monitoring authority for ensuring compliance of the provisions and shall monitor the utilisation of ash on quarterly basis. Central Pollution Control Board shall develop a portal for the purpose within six months of date of publication of the notification. The concerned District Magistrate shall have concurrent jurisdiction for enforcement and monitoring of the provisions of this notification.
- (2) (i) Thermal power plants shall upload monthly information regarding ash generation and utilisation by 5th of the next month on the web portal. Annual implementation report (for the period 1st April to 31st March) providing information about the compliance of provisions in this notification shall be submitted by the 30th day of April, every year to the Central Pollution Control Board, concerned State Pollution Control Board or Pollution Control Committee (PCC), Central Electricity Authority (CEA), and concerned Integrated Regional Office of Ministry of Environment, Forest and Climate Change by the coal or lignite based thermal power plants. Central Pollution Control Board and Central Electricity Authority shall compile the annual reports submitted by all the thermal power plants and submit to Ministry of Environment, Forest and Climate Change by 31st May.
 - (ii) All other user agencies shall submit consumption or utilisation or disposal of ash and use of ash based products as mandated in this notification in the compliance report of Environmental Clearance (EC) issued by Ministry of Environment, Forest and Climate Change or State Level Environment Impact Assessment Authority (SEIAA) or Consent to Operate (CTO) issued by State Pollution Control Board (SPCB) or Pollution Control Committee (PCC), whichever is applicable. The Central Pollution Control Board (CPCB) or State Pollution Control Board (SPCB) or Pollution Control Committee (PCC) shall publish annual report of ash utilisation of all other agencies except thermal power plants to review the effective implementation of the provisions of the notification.
- (3) For the purpose of monitoring the implementation of the provisions of this notification, a committee shall be constituted under the Chairperson, Central Pollution Control Board (CPCB), with members from Ministry of Power, Ministry of Coal, Ministry of Mines, Ministry of Environment, Forest and Climate Change, Ministry Road Transportation and Highways, Department of Heavy Industry as well as any concerned stakeholder(s), to be nominated by the Chairman of the committee. The committee may make recommendations for effective and efficient implementation of the provisions of the notification. The committee shall meet at least once in six months and review annual implementation reports and the committee shall also hold stakeholder consultations for monitoring of ash utilisation as mandated by this notification by inviting relevant stakeholder(s) at least once in six months. The committee shall submit the six monthly report to Ministry of Environment, Forest and Climate Change (MoEFCC).



असाधारण

EXTRAORDINARY

भाग I—खण्ड 1

PART I—Section 1

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं. 39] No. 39] नई दिल्ली, बृहस्पतिवार, जनवरी 28, 2016/माघ 8, 1937 NEW DELHI, THURSDAY, JANUARY 28, 2016/MAGHA 8, 1937

विद्युत मंत्रालय

संकल्प

नई दिल्ली, 28 जनवरी, 2016

टैरिफ नीति

सं. 23/2/2005-आर एंड आर (खंड-IX).-1.0 प्रस्तावना

- 1.1 विद्युत अधिनियम, 2003 की धारा 3 का अनुपालन करते हुए, केंद्र सरकार ने दिनांक 6 जनवरी, 2006 को टैरिफ नीति अधिसूचित की। टैरिफ नीति में और संशोधन 31 मार्च, 2008, 20 जनवरी, 2011 और 08 जुलाई, 2011 को अधिसूचित किए गए थे। विद्युत अधिनियम, 2003 की धारा 3(3) के अंतर्गत प्रदत्त शिक्तयों का प्रयोग करते हुए केंद्र सरकार एतदद्वारा भारत के राजपत्र में इस संकल्प के प्रकाशन की तारीख से प्रभावी किए जाने हेत् संशोधित टैरिफ नीति अधिसूचित करती है।
 - 06 जनवरी, 2006 को अधिसूचित टैरिफ नीति के प्रावधानों के अंतर्गत तथा इसमें किए गए संशोधनों के अंतर्गत किसी भी किए गए कार्य अथवा की गई कार्रवाई अथवा तथाकथित किए गए अथवा किए जाने वाले कार्य के होते हुए भी, जहां तक कि इस नीति से असंगत नहीं हैं, उन्हें इस संशोधित नीति के प्रावधानों के अंतर्गत किया गया अथवा किया जाने वाला माना जाएगा।
- 1.2 राष्ट्रीय विद्युत नीति ने नयी उत्पादन क्षमता की अभिवृद्धि एवं प्रतिवर्ष विद्युत की प्रतिव्यक्ति उपलब्धता बढ़ाने का लक्ष्य निर्धारित किया है एवं न केवल ऊर्जा और व्यस्ततमकालीन कमी को दूर करने के लिए, बिल्क केंद्रीय विद्युत प्राधिकरण द्वारा निर्दिष्ट स्पिनिंग रिजर्व रखा जाना भी है। विद्युत क्षेत्र को आगामी पांच वर्षों में सभी घरों को सस्ती बिजली की उपलब्धता को स्गम बनाने हेत् चुनौती को भी पूरा करना है।
- 1.3 केन्द्र और राज्य सरकार, बजटीय संसाधनों से अपेक्षित धनराशि मुहैया कराने में असमर्थ हैं अतः विद्युत क्षेत्र में निवेश को आकर्षित करने के लिए निवेश पर उपयुक्त रिटर्न मुहैया कराना अनिवार्य है। देश के आर्थिक विकास में तेजी लाने और लोगों के जीवन स्तर में सुधार लाने का लक्ष्य प्राप्त करने हेत्

440 GI/2016 (1)

- विवाह अन्दान
- जीवन-निर्वाह अन्दान
- सहकारियों एवं स्वयंसेवी समृहों के लिए आय सृजन योजनाओं को बढ़ावा देना
- बीज, कीटनाशक एवं उर्वरक सब्सिडी तथा सिंचाई सहायता

उपर्युक्त अतिरिक्त प्रावधानों के अलावा वर्तमान में लागू पुनर्वास एवं पुनःस्थापन राष्ट्रीय नीति के प्रावधान सामान्यतः प्रभावी बने रहेंगे।

MINISTRY OF POWER RESOLUTION

New Delhi, the 28th January, 2016

TARIFF POLICY

No. 23/2/2005-R&R (Vol-IX).—1.0 INTRODUCTION

1.1 In compliance with section 3 of the Electricity Act 2003, the Central Government notified the Tariff Policy on 6th January, 2006. Further amendments to the Tariff Policy were notified on 31st March, 2008, 20th January, 2011 and 8th July, 2011. In exercise of powers conferred under section 3(3) of Electricity Act, 2003, the Central Government hereby notifies the revised Tariff Policy to be effective from the date of publication of this resolution in the Gazette of India.

Notwithstanding anything done or any action taken or purported to have been done or taken under the provisions of the Tariff Policy notified on 6th January, 2006 and amendments made thereunder, shall, in so far as it is not inconsistent with this Policy, be deemed to have been done or taken under provisions of this revised policy.

- 1.2 The National Electricity Policy has set the goal of adding new generation capacity and enhancing per capita availability of electricity per year and to not only eliminate energy and peaking shortages but to also have a spinning reserve as specified by the Central Electricity Authority. Development of the power sector has also to meet the challenge of providing access for affordable electricity to all households in next five years.
- 1.3 It is therefore essential to attract adequate investments in the power sector by providing appropriate return on investment as budgetary resources of the Central and State Governments are incapable of providing the requisite funds. It is equally necessary to ensure availability of electricity to different categories of consumers at reasonable rates for achieving the objectives of rapid economic development of the country and improvement in the living standards of the people.
- 1.4 Balancing the requirement of attracting adequate investments to the sector and that of ensuring reasonability of user charges for the consumers is the critical challenge for the regulatory process. Accelerated development of the power sector and its ability to attract necessary investments calls for, inter alia, consistent regulatory approach across the country. Consistency in approach becomes all the more necessary considering the large number of States and the diversities involved.

2.0 LEGAL POSITION

- 2.1 Section 3 (1) of the Electricity Act, 2003 empowers the Central Government to formulate the tariff policy. Section 3(3) of the Act enables the Central Government to review or revise the tariff policy from time to time.
- 2.2 Central Electricity Regulatory Commission (CERC) and State Electricity Regulatory Commissions (SERCs) shall be guided by the tariff policy in discharging their functions including framing the regulations.
- 2.3 Regulatory Commissions shall be guided by the principles and methodologies specified by the Central Commission for determination of tariff applicable to generating companies and transmission licensees.
- 2.4 The Forum of Regulators has been constituted by the Central Government under the provisions of the Act which would, inter alia, facilitate consistency in approach specially in the area of distribution.

3.0 EVOLUTION OF THE POLICY

The tariff policy has been evolved in consultation with the State Governments, the Central Electricity Authority (CEA), the Central Electricity Regulatory Commission and various stakeholders.

domestic coal supplied by CIL, vis-à-vis the assured quantity or quantity indicated in Letter of Assurance/FSA the cost of imported/market based e-auction coal procured for making up the shortfall, shall be considered for being made a pass through by Appropriate Commission on a case to case basis, as per advisory issued by Ministry of Power vide OM No. FU-12/2011-IPC (Vol-III) dated 31.7.2013.

6.2 Tariff structuring and associated issues

(1) A two-part tariff structure should be adopted for all long-term and medium-term contracts to facilitate Merit Order dispatch. According to National Electricity Policy, the Availability Based Tariff (ABT) is also to be introduced at State level. This framework would be extended to generating stations (including grid connected captive plants of capacities as determined by the SERC). The Appropriate Commission shall introduce differential rates of fixed charges for peak and off peak hours for better management of load within a period of two years.

Power stations are required to be available and ready to dispatch at all times. Notwithstanding any provision contained in the Power Purchase Agreement (PPA), in order to ensure better utilization of un-requisitioned generating capacity of generating stations, based on regulated tariff under Section 62 of the Electricity Act 2003, the procurer shall communicate, at least twenty four hours before 00.00 hours of the day when the power and quantum thereof is not requisitioned by it enabling the generating stations to sell the same in the market in consonance with laid down policy of Central Government in this regard. The developer and the procurers signing the PPA would share the gains realized from sale, if any, of such un-requisitioned power in market in the ratio of 50:50, if not already provided in the PPA. Such gain will be calculated as the difference between selling price of such power and fuel charge. It should, however, be ensured that such merchant sale does not result in adverse impact on the original beneficiary(ies) including in the form of higher average energy charge vis-à-vis the energy charge payable without the merchant sale. For the projects under section 63 of the Act, the methodology for such sale may be decided by the Appropriate Commission on mutually agreed terms between procurer and generator or unless already specified in the PPA.

- (2) Power Purchase Agreement should ensure adequate and bankable payment security arrangements to the Generating companies. In case of persisting default on payment of agreed tariff as per PPA in spite of the available payment security mechanisms like letter of credit, escrow of cash flows etc. the generating companies may sell such power to other buyers.
- (3) In case of coal based generating stations, the cost of project will also include reasonable cost of setting up coal washeries, coal beneficiation system and dry ash handling & disposal system.
- (4) After the award of bids, if there is any change in domestic duties, levies, cess and taxes imposed by Central Government, State Governments/Union Territories or by any Government instrumentality leading to corresponding changes in the cost, the same may be treated as "Change in Law" and may unless provided otherwise in the PPA, be allowed as pass through subject to approval of Appropriate Commission.
- (5) The thermal power plant(s) including the existing plants located within 50 km radius of sewage treatment plant of Municipality/local bodies/similar organization shall in the order of their closeness to the sewage treatment plant, mandatorily use treated sewage water produced by these bodies and the associated cost on this account be allowed as a pass through in the tariff. Such thermal plants may also ensure back-up source of water to meet their requirement in the event of shortage of supply by the sewage treatment plant. The associated cost on this account shall be factored into the fixed cost so as not to disturb the merit order of such thermal plant. The shutdown of the sewage treatment plant will be taken in consultation with the developer of the power plant.

6.3 Harnessing captive generation

Captive generation is an important means to making competitive power available. Appropriate Commission should create an enabling environment that encourages captive power plants to be connected to the grid.

Such captive plants could supply surplus power through grid subject to the same regulation as applicable to generating companies. Firm supplies may be bought from captive plants by distribution licensees using the guidelines issued by the Central Government under section 63 of the Act taking into account second proviso of para 5.2 of this Policy.

The prices should be differentiated for peak and off-peak supply and the tariff should include variable cost of generation at actual levels and reasonable compensation for capacity charges.

Wheeling charges and other terms and conditions for implementation should be determined in advance by the respective State Commission, duly ensuring that the charges are reasonable and fair.

Grid connected captive plants could also supply power to non-captive users connected to the grid through available transmission facilities based on negotiated tariffs. Such sale of electricity would be subject to relevant regulations for open access including compliance of relevant provisions of rule 3 of the Electricity Rules, 2005.

6.4 Renewable sources of energy generation including Co-generation from renewable energy sources:



Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.in, Website: www.uppcb.com

169928/UPPCB/Raebareli(UPPCBRO)/CTO/both/RAEBARELI/2022 Date: 28/12/2022

To,

M/s

NTPC LIMITED Unchahar Stage IV

Feroz Gandhi Unchahar Thermal Power Project, NTPC Ltd, Stage-4 Unchahar, Distt. Raebareli, U.P.-229406, RAEBARELI, 229406

Application Id-18623398

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule-6(2) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 notified under Environment (Protection) Act, 1986 as applicable (to be referred hereinafter as Water Act, Air Act and HW Rules respectively).

CCA is hereby granted to NTPC LIMITED Unchahar Stage IV located at Feroz Gandhi Unchahar Thermal Power Project, NTPC Ltd, Stage-4 Unchahar, Distt. Raebareli, U.P.-229406, RAEBARELI, 229406. subject to the provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the orders that may be made further and subject to following terms and conditions:-

1. This CCA NTPC LIMITED Unchahar Stage IV granted for the period from 01/01/2023 to 31/12/2024 and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	Coal based Thermal Power Station	500	Megawatt

- 2. Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-
- (i) The daily quantity of effluent discharge (KLD) :-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Industrial	2340 KLD	ЕТР	

(ii) Trade Effluent Treatment and Disposal:-The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time:

S.No.	Parameter	Standard
1	pН	5.5-9.0
2	TSS	100 mg/l
3	BOD	30 mg/l
4	COD	250 mg/l
5	Oil and grease	10 mg/l

- (iv) Sewage Treatment and Disposal: The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- (v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards
10.110.	1 al allictel 5	Standar ds

3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

Air Pollution Source Details

S No.	Air Pollution	Type of fuel	Stack no	Control Device	Height of Stack
	Source				

Emmission Quality Standards

Stack no Parameters Standards	S No.	Stack no	Parameters	Standards
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In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

- (ii) The unit will not use any type of restricted fuel.
- iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows:-

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for Noise level in db(A) Leq	Industrial Area		Commercial Area		Residential Area		Silence Zone	
	Day Time	Night Time	Day Time	Night Time		Night Time		Night Time
	75	70	65	55	55	45	50	40

4. Conditions under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016:-

The Factory Manager of M/s NTPC LIMITED Unchahar Stage IV. is hereby granted an authorization to operate a facility for collection and storage of Hazardous wastes. The authorization is granted to operate a facility for generation, collection and storage of hazardous wastes within factory premises for following

S.No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity(ton/annum)
1	Sch1, Cat5.1 (Used or spent oil)	TSDF	73.0 Ton/annum
2	Sch1, Cat33.1 (Empty barrels)	TSDF	1.095 Ton/annum
3	Sch1, Cat35.2 (Resin)	TSDF	5.0 Ton/annum
4	Sch1, Cat5.1 (Mineral/Glass wool Insulation)	TSDF	200 Ton/annum
5	Sch1, Cat5.1 (Oil/Grease soaked cotton)	TSDF	3.0 Ton/annum
6	Sch1, Cat5.1 (Asbestos Packing)	TSDF	0.5 Ton/annum

The authorization shall be in force and shall be valid upto 31/12/2024. The authorization is subject to the conditions stated below and such conditions as may be specified in the rules for the time being in force under Environment (Protection) Act, 1986.

Terms and conditions of Hazardous Waste authorization:-

- (i) The authorization shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- (ii) The authorization and its renewal shall be produced for inspection at the request of an officer authorized by the SPCB.
- (iii) The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the SPCB.
- (iv) Any unauthorized changes in personnel, equipment as working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
- (v) It is the duty of the authorized person to take prior permission of the SPCB to close down the facility.
- (vi) An application for the renewal of an authorization shall be made as laid down under these rules.
- (vii) The unit shall comply with any other conditions specified in the guidelines issued by the MoEF or CPCB/SPCB from time to time.
- (viii) The authorization is valid for temporary storage of Hazardous Waste within premises only.
- (ix) The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being used in the plant as well as air emission and waste generated within premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises
- (x) It is duty of the authorized person to take prior permission of this Board to close and cleanup the facility for treatment, storage and disposal of hazardous waste.
- (xi) The applicant shall maintain record of hazardous waste in Form-3 and shall submit annual return in Form-4 on or before the 30th day of June following to the financial year to which that return relates.
- (xii) In no case any hazardous waste shall be disposed off on land, in any drain, or into any water stream. All spillage must also be safely collected and stored.
- (xiii) Before the hazardous waste is stored or dumped in the facility, applicant must conduct a detailed physical and chemical analysis of hazardous waste sample and report to the Board.
- (xiv) Dried hazardous sludge from the process in the plant shall be stored in double lined HDPE pit constructed with R.C.C. or such material which does not react with the waste contained in it.

- (xv) The storage area should be fenced properly and Sign/Notice Board indicating 'Danger' and 'Hazardous' shall be displayed at appropriate position both in Hindi and English.
- (xvi) The industry shall store non-ferrous metal waste, used oil/spent oil waste in sealed drums placed on impervious floor under covered shed. Hazardous waste if required shall be sold only to Registered Recyclers/Re-processors.
- (xvii) In case of any transportation of hazardous waste, the details in Form-10 of the Hazardous and Other Wastes Rules, 2016 shall be submitted to the Board.

5. Essential documents to be submitted by the Industry/Unit as Applicable:-

- (i) Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and Third Party Audit Report.
- (ii) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
- (iii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- 6. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
- 7. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will results in legal action under the aforesaid Acts and Rules.
- 8. In compliance to the G.O 1011/81-7-2021-09 (Writ)/2016 dated.13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-http://www.upecp.in/TrainingSession.aspx for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of noncompliance of this direction, your consent will be revoked by the Board.
- 9. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

General Conditions:-

- 1. The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.
- 2. The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
- 3. Treated Industial waste water and domestic waste water shall be disposed jointly at one disposal point. The applicant shall provide discharge measurement equipment at final disposal point.
- 4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
- 5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
- 6. The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.
- 7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.
- 8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.

- 9. The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- 10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
- 11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
- 12. The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

Specific Conditions:-

- 1. This consent is valid for Coal based Thermal Power Station: 500 MW for the production of Electricity.
- 2. This consent is valid for the current products and capacity. In Case of any change in process, capacity enhancement, etc., the No Objection Certificate shall be obtained from the Board.
- 3. Generated hazardous waste shall be stored temporarily in the factory premises and disposed off through authorized TSDF after obtaining the authorization from the Board.
- 4. Industry shall submit the latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets Current Liabilities) so the Consent fee payable by the industry may be verified.
- 5. The Order issued by Hon'ble Courts/Hon'ble NGT, MOEF, Central Pollution Control Board, U.P. Pollution Control Board, shall be complied with.
- 6. The industry shall ensure to recycle, to the maximum, the treated effluent after treatment in Oxidation Pond.
- 7. The industry shall ensure to submit the latest analysis report of treated effluent sample analyzed by any NABL recognized laboratory within 15 days in the Board issuance of this certificate.
- 8. The industry shall ensure to obtain permission from U.P. State Ground Water Department for withdrawal of ground water within 03 months and submit it to the Board.
- 9. The industry shall ensure to maintain and operate the APCS (i.e. ESP) effectively attached with the boiler.
- 10. The Chimney should not be less than 275 meters above ground level.
- 11. The unit shall ensure that the ambient air quality remains as per the standards prescribed by CPCB.
- 12. The industry shall ensure to comply with the specified standards as given in the MoEF & CC Notification dated 07.12.2015.
- 13. The unit shall ensure to submit stack monitoring report to the Board on quarterly basis, conducted by a NABL recognized laboratory.

- 14. The industry shall ensure to establish Miyawaki forest, as per the GO no. 1011/81-7-2021-09(rit)/2016 dated 13.10.2021 of Deptt. of Environment, forest and Climate Change.
- 15. The industry shall comply with the provisions of, Environment (Protection) Act 1986, Water (Prevention and Control of Pollution) Act, 1974 as amended, Air (Prevention and Control of Pollution) Act, 1981 as amended, Plastic Waste Management Rules 2016, E- Waste (Management) Rules 2016, Solid Waste Management Rules 2016 & Hazardous and other Waste (Management and Transboundary Movement) Rules 2016 (Whichever is applicable).
- 16. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective from the date of issuance of closure order revocation, with additional conditions mentioned in the closure revocation order.

RAM KARAN NARAN NA

Copy to:

Regional Officer, UPPCB, Raebareli.

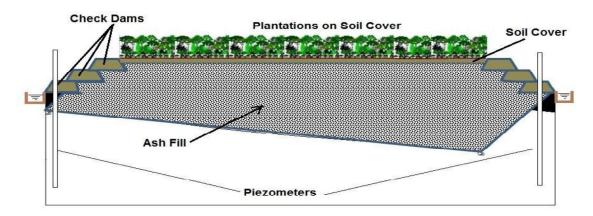
RAM KARAN Date: 2023.01.02
15:22:38 +05'30'
Chief Environmental Officer,
Circle-5, UPPCB.

Guidelines for disposal/utilisation of Fly Ash for reclamation of Low Lying Areas and in stowing of Abandoned mines/Quarries





Central Pollution Control Board March, 2019 post-mining land use pattern envisaged in the mine closure plan The design of surface contours and land profile will be in consonance with the surrounding features. A three tier plantation approach (consisting of large trees, smaller trees and shrubs) will be followed for overall eco-restoration of the area. This will also help in checking the surface run-off, preventing the water from percolation and maintaining the aesthetics beauty of the surrounding in general. A conceptual diagram of the reclaimed mine void is presented below.



Conceptual Plan for Reclamation of Mine Void (Drawing not to Scale)

During the mine void reclamation, the following measures are to be undertaken:

- i. Storm water drains shall be constructed for channelizing the run-off water away from the disposal site.
- ii. A 30 cm thick soil cover shall be provided to promote vegetation growth.
- iii. For plantation purpose, preference shall be given to both native species and mixed culture. The species will be selected carefully from the following groups for quick reclamation under the guidance of a taxonomist:
 - Tree species for fuel wood and timber
 - Forestry type tree species.
 - Tree species with dense foliage for shade.
 - Native species.
- iv. However, fruit bearing species shall be avoided.

7.0 Precaution

The following precautionary measures are required for safe working during the reclamation activity:

- (i) Appropriate measures should be taken to prevent entry of cattle/livestock inside the disposal area during execution period.
- (ii) Care shall be taken to avoid any kind of nuisance / inconvenience to the public due to such dumping / filling activities.
- (iii) Water sprinkling for dust suppression during handling of Ash shall be ensured from being air borne.
- (iv) After complete reclamation of the site, sign board shall be kept indicating the low lying land / abandoned quarry has been reclaimed with ash. This will help to propagate the message of mine void using ash.
- 8.0 Regulatory Procedure for Processing the Application for consideration of grant of permission for Reclamation of Low Lying Areas / Abandoned Quarries:
- activity of reclamation of Low Lying Areas / Abandoned 8.1 The Quarries will be regulated under the provisions of Water (Prevention and Control of Pollution) Act, 1974 and Air Water (Prevention and Control of Pollution) Act, 1981. The stipulations specified in this guideline is consistent with the provisions of Fly Ash Notification, 1999 and amended thereafter which should be a special condition mentioned in consent order issued under the Water (Water (Prevention and Control of Pollution) Act, 1974 and the Air Water (Prevention and Control of Pollution) Act, 1981. Thereafter any deviations from the guidelines shall be treated as violation of both Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 and action as deemed proper shall be taken under Consent Administration by the Board.

8.2	Necessary clearances shall be obtained from the concerned	agencies
	such as DGMS, SPCB, IBM, MoC, etc .	

Annexure-A6

(Computer No. 5220)



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केंद्रीय विद्युत प्राधिकरण
Central Electricity Authority
तापीय अभियांत्रिकी एवं प्रौद्योगिकी विकास प्रभाग
Thermal Engineering & Technology Development

सेवा में / To.

सभी ताप विद्युत उत्पादन संयंत्र / All Thermal Power Generating Plants/Utilities

विषय/Subject: Safety Advisory to all Thermal Power Generating Utilities.

महोदय/महोदया / Sir/Madam,

You may be aware that Hon'ble National Green Tribunal vide its Order dated 22.12.2020 in O.A. No. 108/2020 with O.A. No. 130/2020 had directed that "Secretaries, Ministry of Power and Coal, Government of India, in coordination with such other Departments/ Institutions, as may be necessary, to undertake Safety Audits of similarly placed thermal power stations throughout the country expeditiously preferably within six months to avoid recurrence of such incidents in future".

In compliance to the aforesaid order, a Safety Audit Committee under the chairmanship of the undersigned was constituted by Central Electricity Authority (CEA) comprising representatives from Ministry of Coal, Central Boiler Board (CBB), Director General Fire Safety (DGFS), NTPC Ltd., NLC India Limited (NLCIL), Bharat Heavy Electrical Limited (BHEL) and other experts. The above Committee carried out the safety audit of different coal/lignite based Thermal Power plants across the country during the period of August to November 2021.

A safety advisory based on the broad deficiencies observed during above safety audits of the thermal power stations is enclosed at Annexure-I for your kind information and needful actions. However, safety of plant and personnel is not limited to these findings only. Utilities/plants may also continue to take regular safety measures as per the extant Rules and Regulations in this regard.

संलग्नक/Enclosure: यथोपरि/As above

भवदीय/Yours Sincerely

(धीरज कुमार श्रीवास्तव / Dhiraj Kumar Srivastava)

मुख्य अभियंता / Chief Engineer

Annexure-I

Safety Advisory to all Thermal Power Generating Utilities

(A) General Safety and Fire Safety

- Implement the requisite provisions of (1) Central Electricity Authority (Safety Requirements for Construction, Operation and Maintenance of Electrical Plants and Electric Lines) Regulations, 2011 (2) Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 (3) Statutory requirement under Factories Act and other related Acts such as Manufacture, Storage, and Import of Hazardous Chemicals (MSIHC) Rules, 1989 entrusted functions and Response Rules (4) IS:1646 Code of Practice for Fire safety of buildings (general): Electrical installations (5) IS:3034 Fire safety of industrial buildings: Electrical generating and Distributing stations Code of Practice.
- 2. Internal Safety Audits must be carried out once a year through cross functional teams/ internal trained staff and records must be maintained. Further, External Safety Audit must be carried out through registered Agencies at a regular periodicity of 2 years and Action Taken Report (ATR) must be prepared & monitored to ensure early closing of pending recommendations.
- Ensure a separate budget head in its overall budget provisions to adequately fund safety related activities. Detailed safety manual complying with the statutory requirements and manufacturers' recommendations must be available with power plant.
- 4. Safety awareness drives must be conducted amongst plant personnel as well as the employees deployed by the Contractors, periodically for the compliance of provisions of safety manuals and to imbibe the safety culture.
- 5. The safety officer shall be appointed and safety committee shall be constituted by thermal power plant as per the statutory requirement. Plants shall hold Safety Committee meetings regularly and Head of Plant shall chair these meetings. The output of these Safety Committee meetings should be implemented.
- 6. Ensure that 'Safety Performance' KPA (Key Performance Area) for employees is linked with Annual Performance Assessment for officers at various levels to instill a safety-compliant behavior.
- 7. Keep an updated inventory of safety related PPEs and also provide the tasks specific PPE kits to all the workers/ staff.
- 8. All major/ minor accidents must be properly investigated and analyzed to find the Root Cause of incident/accident.
- Implement procedures for reporting of accidents by the concerned Power Station to CEA in line with the provisions of the CEA safety regulations.

- 10. Emergency Response Disaster Management Plan (ERDMP) both On-site & Off-site shall be prepared by all power plants.
- 11. Ensure that a functional proper Public Address system is in place and also 'Walkie/ Talkie' should be mandatorily adopted in the power plants.
- 12. Plants must be compliant/ certified as per ISO: 45001 'Occupational Health & Safety Management System'.
- 13. Ensure that all fire safety procedures are followed and fire-fighting system, its operation, installations are well maintained and upkeep of various subcomponents is reviewed at regular intervals to make sure their proper response during emergencies. These shall include but not be limited to the following:
 - i. Fire Water pump house must be maintained in proper healthy condition. There should be no obstructions in the pathways and approaches to equipment should be hindrance free.
 - ii. All fire hydrant pumps and jockey pumps must be maintained in healthy condition. The Fire Hydrant pumps need to be operated in 'AUTO MODE' & Sequential starting system should be in place. The reliability & availability of the Pumps are to be checked at frequent intervals and recorded.
 - iii. Fire-fighting crew along with some identified regular employees must go through hands-on firefighting training including rescue and disaster handling to enhance effectiveness of firefighting & safety crew.
 - iv. Manual call points (MCPs) must be provided at all the strategic locations of the power stations and must be integrated with the Fire Control Room for effective monitoring and to ensure timely & quick response from firefighting crew.
 - v. Mock drills should be conducted at regular intervals and also at odd hours for various emergencies scenarios & debriefing session should be conducted after each mock drill. The gaps observed are to be analyzed and mitigation measures need to be taken. These details should be recorded in a register.
 - vi. Fire Marshalls/ firefighting crew should be trained for actual emergencies scenarios.
 - vii. Each Power Station shall have a Fire Emergency Plan formulated so as to facilitate organized actions (in case of fire) by employees at various levels, during day as well as night and shall also contain the instructions on fire prevention measures and the firefighting organization.
 - viii. Fireboxes with hose reels at fire hydrant points must be available.
 - ix. Non-sparking tools and flame-proof electric fittings should be mandatorily used at all places where flammable materials like oils and gases are stored/ are in use. Also, static electric charge dissipater should

be provided at the entry gate of such systems which are prone to catch fire easily.

- 14. Emergency exit path marking should be made available for safe evacuation of working personnel during emergency conditions. Emergency telephone numbers must be prominently displayed at prominent locations in the plant, such as at TG floor, Unit Control Room & emergency exit points etc. Display of DO's & DON'Ts should be done in large fonts for better visibility. All such Display Boards should have a DC backlit display.
- 15. Lock Out & Tag Out (LOTO) system for maintenance management should be fully implemented for safe operation of the power plants and a proper Permit to Work (PTW) system must be followed and there should be seamless integration between LOTO & PTW System (and also to ERP system, if available). Proper Job Safety Analysis (JSA) should be carried out before issuance of each PTW.
- 16. Accumulated and unwanted scrap/ dismantled machinery etc. should be removed from working areas such as boiler structure, TG floor etc. and stored at designated places. Measures should be taken to remove wild vegetation growth in switchyard.
- 17. Excessive accumulation of coal/ lignite dust in some of the vulnerable areas like Crusher house, transfer points, coal/ lignite Bunker house, etc. must be avoided.
- 18. Preventive measures such as anti-corrosion painting and regular maintenance should be done for support structures and various equipment.
- 19. Rotating parts of various equipment should be covered with proper guards.
- 20. SOPs for various plant equipment to be prepared and made available to working personnel.

(B) Boiler, Turbine and Generator (BTG) Safety

- 1. As per IBR Regulations, periodic Remnant Life Assessment (RLA) should be carried out.
- 2. Annual overhauling, Capital overhauling and Renovation & Modernization works must be done on time as these prevent equipment failures. Overhauling work should be monitored comprehensively.
- 3. The boilers must be operated by Boiler Operating Engineers (BOEs) in compliance with the provisions of IBR. Utilities with shortage of BOEs are advised to take immediate and urgent steps to ensure that sufficient number of engineers should be qualified BOEs.
- 4. Boilers having box type column-beam structure are prone to accumulation of coal/ash dust if there are openings in the boiler structure. Coal dust accumulated in such confined structure may lead to fire/explosion. All such openings in such kind of structure must be closed. Also, cleaning must be ensured before closure.

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- 5. Thermal insulation of Boiler, Turbine, associated sub-systems and all other critical equipment & lines must be ensured and maintained in good health. Regular thermal survey for surface temperature should be done. It is recommended to do insulation of.
- 6. Pulverized fuel leakage in mills, pipes, joints etc., if any, should be arrested on immediate basis.
- 7. The closeness of steam lines with other components/structure of Boiler or adjacent civil structure must be avoided.
- 8. All Boiler expansion indicators must be fitted properly to measure vertical movement as well as horizontal movement.
- 9. Mandatorily carry-out tool tagging to have effective inventory management and thus ensure timely availability of all tools & tackles. Tagging and marking date of last load testing of all O&M tools & tackles must be ensured.
- 10. Illumination measurement should be carried out as per IS:6665 and it needs to be improved in the plants wherever necessary.
- 11. Take measures to ensure that ambient noise levels around equipment like Turbine-Generator, Boiler etc. auxiliaries are in desired limits.
- 12. Regular ash level monitoring in ESP hoppers must be done by providing Ash Level Indicators (ALI). Timely steps must be taken for regular evacuation of ash. Also, ensure that ash hopper heaters are in healthy condition so that fluidity of ash is not hampered.
- 13. Safety Valves and Electromatic Relief Valves (ERVs) must be maintained in healthy condition and operative.
- 14. Vibration levels of machines such as TG set, fans, pumps, etc. must be monitored on regular basis and machines should not run beyond the recommended vibration limits prescribed by OEM.
- 15. Compulsorily carry out turbine over speeding test as per OEM recommendations.
- 16. Regularly perform checks for functionality of all the Protection & Interlocks (P&I) for various equipment and system.

(C) Balance of Plant (BoP) Safety

- 1. Chlorine leak sensor probes must be provided for all chlorine cylinder bays at proper locations. Water sprinkler system need to be installed in chlorination plant to neutralize chlorine leak in addition to the extant system.
- 2. Dust suppression system must be in operating condition to prevent coal/ lignite dust accumulation in areas such as coal/ lignite yard, Crusher house, transfer junctions/ points, coal/ lignite conveyor, coal/ lignite Bunker etc.
- 3. Battery Room is to be properly lined with 'Acid resistance tiles' up to the height of 'Battery Bank'. It is suggested to provide Flame-proof lighting in the Battery

- room. It is also to be ensured that the Eye-wash system is located at a place nearby to the Battery Room.
- 4. Cable gallery/ racks must be maintained in healthy conditions with proper illumination levels, exhaust system and the cable dressing in the racks should be done properly. All entry & exit of cables must be sealed properly for preventing progression of fire and toxic gases to adjacent rooms.
- 5. Insulating floor or mat conforming to IS:15652 of appropriate voltage level shall be provided in front of the panels for the safety of operating personnel.
- 6. Regularly measure and maintain proper records of Resistance value of Earth pits and monitor Tan-Delta value of current transformers (CT) and all other oil-filled electrical equipment.
- 7. Oil soak pits of transformers should be kept free of waste material.
- 8. Manuals and Standard Operating Procedures (SOPs) for Ash Bund/ Dyke Maintenance should be prepared by Power Plant. Emergency Plan should be prepared to deal situations of Ash Dyke breach and should be made available to the Site engineers.

Page 5 of 5



सी.जी.-डी.एल.-अ.-31012023**-**243299 CG-DL-E-**31012023-243299**

असाधारण EXTRAORDINARY

भाग III—खण्ड 4 PART III—Section 4

प्राधिकार से प्रकाशित PUBLISHED BY AUTHORITY

सं. 61] No. 61] नई दिल्ली, सोमवार, जनवरी 30, 2023/माघ 10, 1944 NEW DELHI, MONDAY, JANUARY 30, 2023/MAGHA 10, 1944

केंद्रीय विद्युत प्राधिकरण अधिसूचना

नई दिल्ली, 25 जनवरी, 2023

सं. केविप्रा-टीएच-17-13/4/2022-टीईटीडी प्रभाग.—विद्युत (पूर्व प्रकाशन के लिए प्रक्रिया) नियम, 2005 के नियम (3) के उप-नियम (2) के साथ पठित विद्युत अधिनियम, 2003 (2003 का 36) की धारा 177 की उप-धारा (3) द्वारा यथा अपेक्षित केंद्रीय विद्युत प्राधिकरण (कोयला आधारित ताप विद्युत उत्पादन इकाइयों का लचीला संचालन) विनियम, 2022 का प्रारूप को छह दैनिक समाचार पत्रों में प्रकाशित किया गया था, जिसमें उक्त प्रारूप विनियमों में अंतर्विष्ट समाचार पत्र की प्रतियां जनता को उपलब्ध कराई गई तारीख से 46 दिनों की अविध के समाप्त होने से पूर्व इसके द्वारा प्रभावित होने वाले सभी संभावित व्यक्तियों से आक्षेप और सुझाव मांगे गए थे;

और केंद्रीय विद्युत प्राधिकरण की वेबसाइट पर सार्वजनिक सूचनाओं वाले उक्त समाचार पत्रों और उक्त प्रारुप विनियमों की प्रतियां जनता को 12 जुलाई, 2022 को उपलब्ध करा दी गई थीं;

और उक्त प्रारुप विनियमों पर जनता से प्राप्त आक्षेपों और सुझावों पर केन्द्रीय विद्युत प्राधिकरण द्वारा विचार कर लिया गया था;

अत: अब विद्युत अधिनियम, 2003 की धारा 73 के खंड (ख) के साथ पठित धारा 177 की उप-धारा (2) के खंड (ङ), के अनुसरण में , केंद्रीय विद्युत प्राधिकरण निम्नलिखित विनियम बनाता है, अर्थात:-

- 1. **संक्षिप्त नाम और प्रारंभ** (1) इन विनियमों का संक्षिप्त नाम केंद्रीय विद्युत प्राधिकरण (कोयला आधारित ताप विद्युत उत्पादन इकाइयों का लचीला संचालन) विनियम, 2023 है।
 - (2) ये विनियम राजपत्र में उनके अंतिम प्रकाशन की तारीख से लागू होंगे।

645 GI/2023 (1)

- 2. परिभाषाएं- (1) इन विनियमों में, जब तक कि संदर्भ से अन्यथा अपेक्षित न हो,
 - (क) "अधिनियम" से विद्युत अधिनियम, 2003 (2003 का 36) अभिप्रेत है;
 - (ख) "लचीला संचालन" से कोयला आधारित ताप विद्युत उत्पादन इकाइयों की ग्रिड की आवश्यकता के अनुसार इन विनियमों में उल्लिखित निर्दिष्ट स्तरों पर विद्युत उत्पन्न करने की क्षमता अभिप्रेत है;
 - (ग) "अधिकतम निरंतर विद्युत रेटिंग" से जनरेटर टर्मिनलों पर मेगा वाट में व्यक्त अधिकतम निरंतर विद्युत उत्पादन, रेटेड मापदंडों पर उत्पादन इकाइयों के विनिर्माता द्वारा गारंटीकृत है; अभिप्रेत है
 - (घ) "न्यूनतम विद्युत स्तर" से अधिकतम निरंतर विद्युत रेटिंग के प्रतिशत में व्यक्त न्यूनतम विद्युत उत्पादन, जिसे कोयला आधारित ताप विद्युत उत्पादन इकाई बिना तेल सहायता के लगातार बनाए रख सकती है; अभिप्रेत है
 - (ङ) "रैंप दर" से अधिकतम निरंतर विद्युत रेटिंग के प्रतिशत में विद्युत उत्पादन के परिवर्तन की प्रति मिनट में व्यक्त दर अभिप्रेत है ।
 - (2) उन शब्दों और पदों के जो इसमें प्रयुक्त और परिभाषित नहीं हैं किंतु अधिनियम और उसके अधीन बनाए गए नियमों में परिभाषित हैं, वही अर्थ होंगे जो उस अधिनियम और उसके अधीन बनाए गए नियमों में हैं।
- 3. लागू होना ये विनियम केंद्रीय सरकार, राज्य सरकारों के स्वामित्व या नियंत्रण में या ग्रिड से जुड़ी किसी भी प्राइवेट कंपनी के स्वामित्व वाली सभी कोयला आधारित ताप विद्युत उत्पादन इकाइयों और भार प्रेषण केंद्रों पर लागू होंगे।
- 4. साधरण अपेक्षाएँ (1) कोयला आधारित ताप विद्युत उत्पादन इकाइयों को उस स्थान पर प्रचलित परिवेशी और पर्यावरणीय परिस्थितियों की पूरी श्रृंखला के लिए इन विनियमों का अनुपालन करने के लिए, यदि अपेक्षित हो, डिजाइन या उपयुक्त रूप से रेट्रोफिट किया जाएगा।
 - (2) स्थापित सभी उपकरण और प्रणालियाँ, यथा लागू , विनियमों और सुरक्षा कोडों के उपबंधों का पालन करेंगी।
- कोयला आधारित ताप विद्युत उत्पादन इकाइयों का लचीला संचालन- (1) कोयला आधारित ताप विद्युत उत्पादन इकाइयां इन विनियमों के अनुसार लचीला संचालन प्रदान करने में सक्षम होंगी।
 - (2) कोयला आधारित ताप विद्युत उत्पादन इकाइयों के लचीले संचालन का कार्यान्वयन समय-समय पर प्राधिकरण द्वारा विनिर्दिष्ट चरणबद्ध योजना के अनुसार होगा।
 - (3) सभी भार प्रेषण केंद्र अपने अधिकार क्षेत्र के अधीन कोयला आधारित ताप विद्युत उत्पादन इकाइयों को, इन विनियमों में विनिर्दिष्ट लचीले संचालन क्षमताओं पर विचार करते हुए, शेड्यूल करेंगे ।
- 6. **लचीले संचालन के लिए कोयला आधारित ताप विद्युत उत्पादन इकाइयों की न्यूनतम विद्युत स्तर की क्षमता** कोयला आधारित ताप विद्युत उत्पादन इकाइयों में चालीस प्रतिशत के न्यूनतम विद्युत स्तर का लचीला संचालन क्षमता होगा।

परंतु उत्पादन इकाइयां जो पचपन प्रतिशत के न्यूनतम विद्युत स्तर को प्राप्त करने में सक्षम नहीं हैं, उन्हें इन विनियमों की अधिसूचना के एक वर्ष के भीतर यह सक्षमता प्राप्त करनी होगी।

परंतु यह और कि उत्पादन इकाइयां जो चालीस प्रतिशत के न्यूनतम विद्युत स्तर को प्राप्त करने में सक्षम नहीं हैं, उन्हें इन विनियमों के विनियम 5 के उप-विनियम (2) में उल्लिखित चरणबद्ध योजना के अनुसार यह सक्षमता प्राप्त करनी होगी।

7. लचीला संचालन के लिए कोयला आधारित ताप विद्युत उत्पादन इकाइयों की रैम्प दर क्षमताएं- (1) कोयला आधारित ताप विद्युत उत्पादन इकाइयों में अधिकतम निरंतर विद्युत रेटिंग के सत्तर प्रतिशत से सौ प्रतिशत के बीच उनके संचालन के लिए न्यूनतम तीन प्रतिशत प्रति मिनट की रैंप दर क्षमता होगी और अधिकतम निरंतर विद्युत रेटिंग के पचपन प्रतिशत से सत्तर प्रतिशत के बीच उनके संचालन के लिए न्यूनतम दो प्रतिशत प्रति मिनट की रैंप दर क्षमता होगी।

परंतु उत्पादन इकाइयां जो इस विनियम का अनुपालन करने में सक्षम नहीं हैं, इन विनियमों की अधिसूचना के एक वर्ष के भीतर इसका अनुपालन करेंगी।

- (2) कोयला आधारित तापीय विद्युत उत्पादन इकाइयां इन विनियमों के विनियम 5 के उप-विनियम (2) में उल्लिखित चरणबद्ध योजना के अनुसार अधिकतम निरंतर विद्युत दर के चालीस प्रतिशत से पचपन प्रतिशत के बीच उनके संचालन के लिए न्युनतम एक प्रतिशत प्रति मिनट की रैंप दर क्षमता प्राप्त करेंगी।
- 8. विनियमों का शिथिलीकरण प्राधिकरण, मामला दर मामला आधार पर, प्राधिकरण को निर्दिष्ट मामले के संबंध में लेखबध्द किए जाने वाले कारणों के लिए और आदेश द्वारा इन विनियमों के किसी उपबंध कों शिथिल कर सकेगा।

राकेश गोयल. सचिव

[विज्ञापन-III/4/असा./588/2022-23]

CENTRAL ELECTRICITY AUTHORITY NOTIFICATION

New Delhi, the 25th January, 2023

CEA-TH-17-13/4/2022-TETD Division.—Whereas the draft of the Central Electricity Authority (Flexible Operation of Coal based Thermal Power Generating Units) Regulations, 2022 was published in six newspaper dailies, as required by sub-section (3) of Section 177 of the Electricity Act, 2003 (36 of 2003) read with sub-rule (2) of rule 3 of the Electricity (Procedure for Previous Publication) Rules, 2005 for inviting objections and suggestions from all persons likely to be affected thereby, before the expiry of the period of forty-six days, from the date on which the copies of the newspaper containing the said draft regulations were made available to the public;

And whereas copies of the said newspapers containing the public notices and the said draft regulations on the website of the Central Electricity Authority were made available to the public on the 12th July, 2022;

And whereas the objections and suggestions received from the public on the said draft regulations were considered by the Central Electricity Authority;

Now, therefore, in pursuance of clause (e) of sub-section (2) of Section 177 of the Electricity Act, 2003 read with clause (b) of Section 73 of the said Act, the Central Electricity Authority hereby makes the following regulations, namely:

- 1. **Short title and commencement.-** (1)These regulations may be called the Central Electricity Authority (Flexible Operation of Coal based Thermal Power Generating Units) Regulations, 2023.
 - (2) They shall come into force on the date of their final publication in the Official Gazette.
- 2. **Definitions.-** (1)In these regulations, unless the context otherwise requires,
 - (a) "Act" means the Electricity Act, 2003 (36 of 2003);
 - (b) "flexible operation" means the ability of coal based thermal power generating units to generate power at specified levels mentioned in these regulations, as per the requirement of the grid;
 - (c) "maximum continuous power rating" means maximum continuous output power expressed in Mega Watt at the generator terminals as guaranteed by the manufacturer of generating units at the rated parameters;
 - (d) "minimum power level" means the minimum output power expressed in percentage of maximum continuous power rating that the coal based thermal power generating unit can sustain continuously without oil support;
 - (e) "ramp rate" means the rate of change of output power, expressed in percentage of maximum continuous power rating, per minute.
 - (2) Words and expressions used herein and not defined but defined in the Act and the rules made thereunder shall have the meanings assigned to them in that Act and rules made thereunder.
- Applicability.- These regulations shall apply to all coal based thermal power generating units owned or under control of the Central Government, State Governments or owned by any private company, connected with the grid and to the load despatch centers.
- 4. **General requirements.-** (1) The coal based thermal power generating units shall be designed or suitably retrofitted, if required, to comply with these regulations for full range of ambient and environmental conditions prevailing at the site.
 - (2) All equipment and systems installed shall comply with the provisions of statutes, regulations and safety codes, as applicable.

- 5. **Flexible operation of coal based thermal power generating units.-** (1) The coal based thermal power generating units shall be capable of providing the flexible operation as per these regulations.
 - (2) The implementation of flexible operation of the coal based thermal power generating units shall be as per the phasing plan specified by the Authority from time to time.
 - (3) All load despatch centers shall schedule the coal based thermal power generating units, under their jurisdiction, considering the flexible operation capabilities as specified in these regulations.
- 6. Minimum power level capabilities of coal based thermal power generating units for flexible operation. The coal based thermal power generating units shall have flexible operation capability with minimum power level of forty percent.

Provided that the generating units which are not capable of achieving minimum power level of fifty-five percent, shall achieve the same within one year of the notification of these regulations.

Provided further that the generating units which are not capable of achieving minimum power level of forty percent, shall achieve the same as per phasing plan mentioned in the sub-regulation (2) of regulation 5 of these regulations.

7. Ramp rates capabilities of coal based thermal power generating units for flexible operation.- (1) The coal based thermal power generating units shall have ramp rate capability of minimum three percent per minute for their operation between seventy percent to hundred percent of maximum continuous power rating and shall have ramp rate capability of minimum two percent per minute for their operation between fifty-five percent to seventy percent of maximum continuous power rating.

Provided that the generating units which are not capable to comply with this regulation, shall comply with the same within one year of the notification of these regulations.

- (2) The coal based thermal power generating units shall achieve ramp rate capability of minimum one percent per minute for their operation between forty percent to fifty-five percent of maximum continuous power rating as per phasing plan mentioned in the sub-regulation (2) of regulation 5 of these regulations.
- 8. **Relaxation of regulations.** The Authority may, by an order and for the reasons to be recorded in writing, relax any provision of these regulations in respect of the matter referred to the Authority, on case to case basis.

RAKESH GOYAL, Secy.

[ADVT.-III/4/Exty./588/2022-23]

उत्तर रेलवे NORTHERN RAILWAY

AGM/MGR/NTPC UCR 84011 ds 06.05.2024-

अगमें अवगत कराया ज्याता ही कि आपके डाय चारे अववूर-4 के काम की प्रमा कर लिया जारीमा तथा आप खाती हैं के का रिलीज पाल Ho-1319,15 में लेमा पाहेंगे तो यह तब तक सकत मही ही ज्या तक मंगे Loco 8ho of क्रव The केम का मिमाल इसके अनुकृत म करहिंगा ज्या -

श्रीमाहार, उ०२०

Annexure-A9

उप कमाण्डेंट का कार्यालय केन्द्रीय औद्योगिक सुरक्षा बल (गृह मंत्रालय)

के औसुब इकाई एफ जीयूटी पीपी ऊँचाहार, जिलाः रायबरेली (उ०प्र) दिनांक ७5/06/2024

प0सं0-ई-42099 / केऔसुब / एफजीयूपीपी(ऊँ.) / भंपा / 2024-2५०४

सेवा में

डी०जी०एम/एचआर एनटीपीसी ऊँचाहार ।

विषय:- कॉलोनी गेट संख्या-2 को पुनः निर्माण कर सुरक्षा को सूढ़ुढ करने के संबंध मे ।

उपरोक्त विषयान्तर्गत कृपया प्रस्तुत है कि टाउनशिप गेट संख्या—02 मुख्य सडक पर स्थित है। जिसके द्वारा अधिकतम संख्या मे वाहन, कर्मचारी एवं मजदुर का आवागमन होता है। जिसकी सुरक्षा के लिए केऔसुब के बल सदस्य 24X7 घंटे अपने कर्तव्य निर्वहन हेतु टाउनशिप गेट संख्या-02 पर तैनात रहते है । चूिक टाउनशिप गेट संख्या—02 बहुत पहले निर्माण हुआ है जो वर्तमान सुरक्षा की दृष्टी एवं बल सदस्यों के सुरक्षा के नजरिये से उचित नहीं है।

- चूकि वर्तमान समय मे कॉलोनी की सुरक्षा,निगरानी के औसुब बल सदस्यों के अलावा सीसीटीवी कैमरे के द्वारा किया जा रहा है। सीसीटीवी निगरानी के लिए एक सीसीटीवी नियंत्रण कक्ष तथा केऔसुब के बल सदस्यो तथा आधुनिक सुरक्षा उपकरण के रख-रखाव हेतु एक नियंत्रण कक्ष का होना अति आवश्यक है ।
- 02. इसी क्रम मे यह भी अवगत कराना चाहता हू कि के औसुब के बल सदस्य 24x7 हमेशा तैनात रहते है लेकिन टाउनशिप गेट संख्या—02 पर शेड नहीं होने के कारण बल सदस्यों को सर्दी, गर्मी एवं बरसात में कई समस्याओ का सामना करना पडता है। चूकि टाउनशिप गेट संख्या-02 पर वाहन, कर्मचारी एवं मजदुर तथा अन्य नागरिक का अधिकतम आवागमन टाउनशिप गेट संख्या-02 से होता है परन्तु गेट-2 पर आगमन तथा प्रस्थान गेट अलग-अलग नहीं होने के कारण कभी कभी अवांछित घटना होने की संभावना बढ जाती है।

अतः श्रीमान से अनुरोध है कि सुरक्षा कि दृष्टी से टाउनिशिप गेट संख्या-02 का नये सिरे से निर्माण करे ताकि उपरोक्त खामियों को दुर किया जाये जिससे सुरक्षा को और बेहतर बनाया जा सके। जिसके लिए प्राथमिकता के आधार पर पूर्ण करने के लिए संबंधित विभाग को उचित दिशा, निर्देश जारी करने का कष्ट करें

> कृते उप कमान्डेन्ट के असुब इकाई एफ जीयूटी पीपी ऊंचाहार