



एनटीपीसी लिमिटेड
NTPC Limited
(A Govt. of India Enterprise)
(Formerly National Thermal Power Corporation Ltd.)

टांडा/Tanda

Ref: NTPC/Tanda/EMG/2025/326

Date: 30.05.2025

To,

Regional Office (CZ),
Ministry of Environment, Forest & Climate Change
Kendriya Bhawan, 5th Floor,
Sector 'H', Aliganj
Lucknow - 226020 (U.P.)
Email: rocz.lko-mef@nic.in

Through: AGM(P&S/EMG/FES)

Sub: Half Yearly Compliance report for Environment Clearance of NTPC Tanda (Stage-II)
(Period: October-2024 to March-2025)

Ref: EC letter No. J- 13012/96/2007-IA. 11 (T) Dated 13th April 2011.

Dear Sir,

Please find enclosed the half-yearly compliance status report for the period from October-2024 to March-2025, in respect of the Environment Clearance conditions stipulated by the MoEF&CC letter ref. no. J-13012/961/2007-IA. II(T) dated 13.04.2011 (and subsequent amendments) for the NTPC Tanda Super Thermal Power Project (Stage-II: 2 x 660 MW).

Thanking you.

Sincerely,

श्वेता/SHWETA
सहायक अफसर (पर्यावरण प्रबंधन)
Assistant Officer (EMG)
एनटीपीसी लि. टाण्डा/NTPC Ltd. Tanda
विद्युत नगर/Vidyut Nagar
अम्बेडकर नगर/Ambedkar Nagar
पिन-224238 (उ.प्र.)/Pin-224238 (U.P.)

Copy to:

1. Zonal Office (North)
Central Pollution Control Board
PIC-UP Bhawan, Vibhuti Khand, Gomti Nagar,
Lucknow, Uttar Pradesh, India, 226010
2. Regional Office
UP Pollution Control Board
1/17/104, Ramnagar Colony,
Parikrama Marg, Ayodhya (U.P.)-224001

पर्यावरण प्रबंधन समूह Environment Management Group

एनटीपीसी लिमिटेड, टाण्डा, पोस्ट-विद्युत नगर, जिला-अम्बेडकर नगर-224238 (उ.प्र.), फोन : 05273-292280, फैक्स : 05273-284732
NTPC Limited, Tanda, P.O.-Vidyut Nagar, Distt.-Ambedkar Nagar-224238, (U.P.), Phone : 05273-292280, Fax : 05273-284732
पंजीकृत कार्यालय : एन.टी.पी.सी. भवन, स्कोप कॉम्प्लेक्स, 7, इन्स्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली-110003
Regd. Office : NTPC Bhawan, Scope complex, 7, Institutional Area, Lodhi Road, New Delhi-110 003

**HALF YEARLY COMPLIANCE STATUS REPORT
FOR ENVIRONMENTAL CLEARANCE OF NTPC TANDA (STAGE-II)**
Vide Letter No. J- 13012/96/2007-IA. II (T) Dated 13th April 2011

(OCT-2024 TO MAR-2025)

S. NO.	EC CONDITION	COMPLIANCE STATUS
SPECIFIC CONDITIONS:		
i	Vision document specifying prospective plan for the site shall be formulated and submitted of the Ministry within six months.	Vision Documents and plan have been formulated and already submitted to MOEF&CC, Delhi.
ii	Coal transportation to plant site shall be by rail.	Coal transportation is being done by rail wagons through Indian railways.
iii	Existing de-generated water bodies (if any) in the study area shall be regenerated at the project proponent's expenses in consultation with the state govt.	There are no such de-generated water bodies in our study area.
iv	Hydrogeology of the area shall be reviewed annually from an institute/ organization of repute to assess impact of surface water and ground regime (especially around ash dyke). In case and deterioration is observed specific mitigation measures shall be undertaken and reports/ data of water quality monitored regularly and maintained shall be submitted to the Regional Office of the Ministry.	Hydrogeology study of the area was carried out by National Institute of Hydrogeology- Roorkee and the final report is yet to be submitted. Interim report submitted by the agency is enclosed and final report will be submitted by June'2025. (Annexure-I)
v	Source of water for meeting the requirement during lean season shall be specified and submitted to the Regional Office of the Ministry within three months.	The source of water for the project is Main Tanda Pump Canal on Saryu River, which supplies water throughout the year. An agreement has been signed with the Irrigation Department of Uttar Pradesh, allowing a maximum water withdrawal of 40 cusecs. Copy of the water agreement is enclosed herewith. (Annexure-II)
vi	No ground water shall be extracted for use in operation of the power plant even in lean season.	Water from Main Tanda Pump Canal is being used for the operation of the plant throughout the year. Ground water is not being used for operation of the power plant.
vii	No water bodies (including natural drainage system) in the area shall be disturbed due to activities associated with the setting up/ operation of the power plant.	Water bodies and natural drains have not been disturbed due to activities associated with the setting up/ operation of the power plant.
viii	Minimum required environmental flow suggested by the Competent Authority of the State Govt.	The source of water is an irrigation channel

[Signature]

S. NO.	EC CONDITION	COMPLIANCE STATUS
	shall be maintained in the Channel/ Rivers (as applicable) even in lean season.	regulated by Irrigation Department of Uttar Pradesh. Irrigation Department shall maintain the minimum required flow.
ix	COC of 5.0 shall be adopted.	NTPC Tanda Stage-II has been designed to run on 5.0 COC and is being operated on the same.
x	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg, Cr, As, Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.	<p>Piezometers have been installed in the plant premises as well as in the ash dyke area for Stage-II.</p> <p>Groundwater monitoring is being carried out using existing bore wells located around the ash dyke. (Annexure-III).</p> <p>Baseline groundwater quality data were collected prior to charging the ash dyke.</p>
xi	Monitoring surface water quality in the area shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.	<p>Surface water quality is being monitored, and the reports enclosed herewith as Annexure-III.</p> <p>Groundwater monitoring for heavy metals is also being carried out, and the corresponding reports are enclosed as Annexure-III.</p>
xii	A well-designed rainwater harvesting shall be put in place before commissioning of the plant. Central Groundwater Authority / Board shall be consulted for finalization of appropriate rainwater harvesting technology / design within a period of three months from the date of this clearance and details shall be furnished. The design of rainwater harvesting shall comprise of rainwater collection from the built up and open area in the plant premises. Action plan and road map for implementation shall be submitted to the Ministry within six months.	Based on a detailed study conducted by a third party for the assessment of rainwater harvesting potential and suitable methods for recharge/utilization, 89 rainwater harvesting structures in the colony premises and 36 rainwater harvesting structures in the plant premises have been successfully completed. (Annexure-IV)
xiii	Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	Additional soil for levelling has been used in such a way that natural drainage is protected and improved.
xiv	Provision for installation of FGD shall be provided for future use.	After the issuance of ODE, the FGD system for Unit-V is in operation. Furthermore, the trial run for Unit-VI was successfully completed on 24.11.2024.

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xv	The project proponent shall undertake measures and ensure that no fugitive fly ash emissions take place at any point of time.	Provision of DFDS, sprinklers, DEDS etc. has already been made to control fugitive fly ash emissions. Additionally, anti-smog guns have been procured for deployment in the Coal Handling Area, and truck-mounted mist cannon machines have been deployed on a hiring basis to further control fugitive dust emissions in and around the plant premises, including the ash dyke area. (Annexure-V)
xvi	Stack of 275 m height shall be installed and provided with continuous online monitoring equipments for SO _x , NO _x and PM2.5 & PM10. Exit velocity of flue gases shall not be less than 22 m/sec. Mercury emissions from stack may also monitored on periodic basis.	A bi-flue stack with a height of 275 m, equipped with continuous online monitoring equipments for PM, SO ₂ , NO _x , along with real-time data transmission system, has already been installed. EC has been amended to mandate online monitoring of PM only, instead of PM ₁₀ , PM _{2.5} . Mercury Emissions are also monitored at regular intervals. (Annexure-VI) .
xvii	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm ³ .	High efficiency ESP has been installed in Unit#1 & Unit#2 of Stage-II to limit particulate emissions below 30 mg/Nm ³ .
xviii	Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.	Various dust extraction and suppression systems have been installed at the coal and ash handling plants of the project, including wagon tipplers, crusher house, conveyor transfer points, and ash dyke areas. (Annexure-V)
xix	Utilization of 100% Fly Ash generated shall be made from 4 th year of operation. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.	Fly ash utilization in Cement manufacturing, filling in roads/embankment by NHAI, brick manufacturing etc. is being done. Dry ash utilization is being done from HCSD silos and bottom ash utilization is being done from ash ponds. Annual Compliance Report is being submitted to the Regional office.
xx	Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry form. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. No ash shall be disposed off in low lying area.	System for extraction of fly ash in dry form along with suitable storage facilities has been envisaged. HCSD Silos are being used for ash disposal and dry ash silos are under construction. For disposal of unused ash, wet slurry disposal system with ash water recirculation has been installed. The ash pond effluents and bottom ash are being regularly monitored for heavy metals. Annexure-III.
xxi	Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be	Ash ponds have been lined with impervious liner of bentonite to avoid leachate. Further adequate safety measures shall be taken to protect the ash dyke from breach.

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S. NO.	EC CONDITION	COMPLIANCE STATUS
	implemented to protect the ash dyke from getting breached.	
xxii	Sulphur and ash contents in the coal to be used in the project shall not exceed 0.5% and 34% respectively at any given time. In case of variation of coal quality at any point of time fresh reference shall be made to the Ministry for suitable amendments to environmental clearance condition wherever necessary.	Vide notification ref. S.O. 1561(E) dated 21.05.2020, the condition regarding 34% ash content in coal has been amended by the Ministry. Sulphur content in the coal is below 0.5%.
xxiii	Green Belt consisting of 3 tiers of plantations of native species around the plant and 100 m width shall be raised. Wherever 100m width is not feasible a 50 m width shall be raised, and adequate justification shall be submitted to the Ministry. Tree density shall not be less than 2500 per ha with survival rate not less than 80%.	<p>Tanda TPP Stage-I was originally designed and commissioned by UPSEB and later taken over by NTPC in 2000. No greenbelt was developed for Stage-I by UPSEB. As Stage-II is located within the boundary of Stage-I, no separate space was available for distinct greenbelt development for both stages. Accordingly, 26,250 trees have been planted across 10 hectares to develop a green belt around Stage-II.</p> <p>A total of 1,07,900 trees have been planted within 45.65 hectares inside the NTPC Tanda premises. Additionally, a MoU has been signed with the UPSFD for the plantation of 35,000 trees (including the distribution of 2,000 fruit-bearing saplings) during 2016–2026. Outside the plant premises, 4,52,100 trees have been planted across 251.5 hectares, including 2,10,000 trees under the MoU with UPSFD.</p>
xxiv	At least three nearest village shall be adopted and basic amenities like development of roads, drinking water supply, primary health centre, primary school etc. shall be developed in co-ordination with the district administration.	<p>Various community development activities were undertaken in and around the plant. Accordingly, the following works have been carried out:</p> <p>Ambedkarnagar:</p> <ol style="list-style-type: none"> 1. A 36 Nm³/hr oxygen generation plant was installed at Combined District Hospital, Ambedkarnagar. 2. A mortuary van was provided to Combined District Hospital, Ambedkarnagar. <p>Basti:</p> <ol style="list-style-type: none"> 1. A mortuary van was handed over to District Women's Hospital, Basti. 2. A basic life support (BLS) ambulance was handed over to the District Hospital, Basti. <p>Hussainpur Sudhana:</p>

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S. NO.	EC CONDITION	COMPLIANCE STATUS
		<ol style="list-style-type: none"> 1. Construction of a primary school and a junior high school. 2. Construction of CC road from Ramneval's house to the canal (215 meters) and from Gangaram's house to Govind Ram's house in Gaziyaapur (350 meters). 3. Construction of CC road from Sadanand's house to the western side railway line (340 meters) and from the railway colony to Nandlal's house (210 meters). <p>Mahripur:</p> <ol style="list-style-type: none"> 1. An ANM (Auxiliary Nursing Midwifery) center was constructed and handed over to the state administration. 2. Construction of a community hall. 3. Construction of CC road from Keotahia Gopal's shop to the riverside. 4. Construction of CC road from the Ramlila stage to Raipur Village boundary wall. 5. Construction of CC road from Ramchander's house to Mithai Lal's house. 6. Mushroom cultivation training was provided to women self-help groups. 7. Construction of CC road from Kesavpur Pachpokhara Minor Canal to Highway Part I & II. 8. Construction of a nalah drain at Mahripur village (Keotahia, from Dharmraj's house to Hridayram's house). 9. Construction of a five-seated toilet complex at Mahripur near Keotahia village. 10. Construction of CC Road with drain from nearby Murli house to Ramauta House. 11. Construction of CC road and drain for Rambadal house to riverside. <p>Asopur:</p> <ol style="list-style-type: none"> 1. Construction of a meeting room and toilet at Aliganj Police Station. 2. Construction of an overhead water tank for the supply of potable drinking water is being planned. 3. Construction of CC road from Parsaram's house to Gaziyaapur Road. 4. Construction of CC road from Tanda-

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		<p>Maya Road to Keshavraj Yadav's house.</p> <p>5. Construction of 6 toilets and 6 bathrooms near Haroon Rasheed Baba Sthal in Asopur village near Thana Aliganj.</p> <p>Hakimpur:</p> <ol style="list-style-type: none"> 1. Construction of an overhead water tank for the supply of drinking water is completed. 2. An ANM (Auxiliary Nursing Midwifery) center was constructed and handed over to the state administration. 3. Construction of a toilet in the primary school. 4. Construction of CC road from Baruajalaki to Primary School Chauraha. 5. Construction of a nalah and culvert. 6. Construction of primary school is in progress. <p>Kakrahi:</p> <ol style="list-style-type: none"> 1. Construction of a five-seated toilet complex. 2. Construction of CC road. 3. Construction of a boundary wall, installation of a gate, and graveyard development works. <p>Samhariya:</p> <ol style="list-style-type: none"> 1. Construction of a five-seated toilet complex. 2. Construction of CC road and nalah drain. 3. Construction of an ANM center. 4. Construction of Panchayat Bhawan. <p>Bahadurpur/Fatehpur/Salahpur Rajor:</p> <ol style="list-style-type: none"> 1. Widening of main road between NTPC Tanda township to Main Plant (2 km length). 2. Repair work of BRC Bhavan at the Block Education Office. 3. Procurement of PCs for Fatehpur Primary School-Tanda. 4. Construction of CC road and drain in Bahadurpur village. 5. Construction of a primary school and a

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		<p>junior high school.</p> <p>Solar Street Light/Hand Pump Installation at 09 PAVs:</p> <ol style="list-style-type: none"> 1. Installation of 60 Nos. 12W LED solar street lights. 2. Installation of 11 Nos. 12W LED street lights. 3. Installation of 28 Nos. India Marka hand pumps. <p>Detailed activities listed in Annexure-VII.</p>
xxv	The project proponent shall also adequately contribute in the development of the neighbouring villages. Special package with implementation schedule for providing potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.	<p>Various activities for the development of the neighbouring villages have been undertaken:</p> <ol style="list-style-type: none"> 1. Construction of a 100 KL capacity overhead water tank for the supply of drinking water has been completed at Hakimpur. 2. Construction of a 10 KL capacity overhead water tank for the supply of drinking water is in progress at Asopur. 3. Installation of India Mark II Handpumps in all Project affected villages. <p>Detailed activities listed in Annexure-VII.</p>
xxvi	CSR scheme shall be identified based on need-based assessment in and around the villages within 5 km of the site and in constant consultation with the village Panchayat and the District administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Income generation projects consistent with the traditional skills of the people shall be undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. Vocational training programme for possible self-employment and jobs shall be imparted to identify villagers free of cost.	<p>The CSR scheme has been identified based on a need-assessment survey and consultation with village Panchayats and District Administrations through VDACS, stakeholder engagement meetings, and regular interactions. Vocational training and income generation opportunities in various areas have been provided to local employable youth, such as:</p> <ol style="list-style-type: none"> 1. A self-help group (Prerna) based sanitary napkin manufacturing unit has been installed under the CSR program for the ladies of nearby villages. 2. Vocational training for 21 candidates is in the pipeline from CIPET for the Machine Operator Assistance – plastic processing course. 3. Wax has been purchased for making candles at NFNDRC Tanda. <p>A stakeholder meeting was held on 28.03.2025, and interactions via VDAC are conducted at regular intervals.</p>

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xxvii	The project proponent shall take into consideration the Sachar Committee Report while implementation of social welfare schemes under CSR and due attention shall be given to more participatory developments schemes for sustainability.	<p>School-</p> <ol style="list-style-type: none"> 1. Infrastructure is provided to Govt schools located in nearby villages. 2. Initiatives undertake to improve learning levels in Government schools in the vicinity of the station. 3. Scholarships for SC/ST and physically challenged persons at Vivekananda Shishukunj Vidyalaya in NTPC Colony. <p>Health</p> <ol style="list-style-type: none"> 1. Procurement of Jan Aushadhi medicine for Mobile Medical Unit (MMU). 2. Distribution of mosquito nets to residents of nearby villages. 3. Operation of Mobile Health Clinics for Project affected villages (PAVs). 4. Deployment of a homeopathic doctor for regular clinics in nearby villages. 5. Procurement of 3,715 blankets for distribution. <p>Water & Sanitation</p> <ol style="list-style-type: none"> 1. Installation of 100 India Markup handpumps in nearby villages. 2. The rejuvenation of Haroon Raseed Baba Sthal pond in Asopur village under CSR work is in progress. 3. Support to the District Administration for the rejuvenation of Darwan Lake in Akbarpur, Ambedkar Nagar, UP, is in progress. 4. 30 hand pumps have been installed in nearby villages as per the stakeholder meeting. 5. Installation of 10 electric high- mast lights. 6. Construction of 10 community centers. 7. Support for the construction and establishment of a community auditorium with a capacity of 1,000. <p>Renewable Energy</p> <ol style="list-style-type: none"> 1. Distribution of 25 E-scooters. 2. Installation of solar water RO by M/s Savera. <p>Sports</p> <ol style="list-style-type: none"> 1. A three-day district and divisional sports

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		<p>competition was supported at Eklavya Stadium, Ambedkarnagar.</p> <p>In all these different activities the recommendations of Sachhar Committee are being taken into consideration and priorities among beneficiaries given accordingly.</p>
xxviii	An amount of Rs 25.0 Crores shall be earmarked as one-time capital cost for CSR programme as committed by the project proponent. Subsequently a recurring expenditure of Rs. 5.0 Crores per annum shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within six months along with road map for implementation.	<p>CSR Budget approved for the year 2024-25 was Rs. 375.60 Lakhs while CSR expenditure for FY 2024-25 is Rs. 781.00 Lakhs (including spillover) till now.</p> <p>The total Community Development approved budget is Rs. 3112.5 Lakhs, and an amount of Rs. 2799.49 lakhs have been utilized till Mar'25.</p> <p>Details of the various CSR & CD activities undertaken are given at Annexure-VII.</p>
xxix	It shall be ensured that an in-built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest Government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time.	<p>Monthly CSR/CD Review of BUH level in the presence of HOD's is held at regular interval to assess the schemes.</p> <p>NTPC has an in-built system for monitoring of CSR Plan at project, RHQ and Corporate level. In addition, internal audits and Need Assessment Survey are also undertaken through internal mechanism and through local government Institute.</p> <p>(Annexure-VIII MOM Record Notes)</p>
B. GENERAL CONDITIONS:		
i.	The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. Arrangements shall be made that effluents and storm water do not get mixed.	An integrated system for collection, treatment, recycle and reuse of the effluents system for the project has been provided. Separate drainage arrangements have been made so that effluents and storm water do not get mixed. (Annexure-IX)
ii.	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/ plantation.	Sewage Treatment Plant is available for treating domestic effluents from the colony. Two package STPs have been commissioned to treat effluents from plant service buildings. Installation of package Treated sewage is being used for irrigation in greenbelt development / plantation.
iii.	Adequate safety measures shall be provided in the plant area to check/ minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of	Adequate safety measures like water sprinklers have been provided at coal stock yard to check/ minimize spontaneous fires in coal yard.

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	the Ministry.	
iv.	Storage facilities for auxiliary liquid fuel such as LDO and HFO/ LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	No separate facility for LDO is made with respect to Tanda Stage-II. Existing capacity of Stage-I LDO storage Tank-2 & 4 is sufficient to cater the need of Stage-II. Further the sulphur content in liquid fuel will be ensured within 0.5%. Disaster Management Plan is already in place to meet any eventuality in case of an accident taking place due to storage of oil.
v.	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	First aid and sanitation facilities have been adequately arranged for drivers and contract workers. Additionally, appropriate provisions for toilets and potable drinking water have been ensured.
vi	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 85 dBA from source. For people working in high noise area, requisite personal protective equipments like ear plugs/ earmuffs etc, shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc. shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non noisy/ less noisy areas.	Compliance with prescribed noise level standards is being ensured, and adequate measures have been implemented to maintain noise levels within the permissible limit of 85 dBA. Personal Protective Equipment is being provided to the workers, and periodic health check-ups/examinations of the engaged workforce are being conducted.
vii	Regular monitoring of ambient air ground level concentration of SO ₂ , NO _x , PM2.5 & PM10 and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.	Ambient Air Quality monitoring is being carried out in the surrounding areas, and records are being systematically maintained. The monitoring reports are submitted to the Uttar Pradesh State Pollution Control Board on a regular basis. (Annexure-III)
viii	Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Housing for construction labour (as applicable), along with all necessary infrastructure and facilities, is being provided within the site premises by the concerned agencies in accordance with the contractual provisions.
ix	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be	Advertisement has already been published in Hindustan Times and Dainik Jagaran on 23.04.2012.

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	in the vernacular language of the locality concerned within seven days from the date of this clearance letters informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board/Committee and may also be seen at website of the Ministry of Environment and Forests at http://www.envfor.nic.in	
x	A copy of the clearance letter shall be sent by the proponent to the concerned Panchayat, Zila Parishad/ Municipal Corporation, urban local body, and the local NGO, if any, from whom suggestions/ representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Clearance letter have been made available to all concerned and has been displayed on company's web page.
xi	An Environmental Cell comprising of at least one expert in environmental science /engineering occupational health and social scientist shall be created at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the organization viz. of CMD of M/s. NTPC and he shall be held responsible for implementation of environmental regulations and social impact improvement/ mitigation measures.	An Environmental Management Group (EMG) has been constituted, comprising qualified and experienced officers. The head of the EMG reports directly to the Head of Station at the site.
xii	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutants levels namely, SPM, RSPM, (PM2.5 & PM10), SO ₂ , NO _x (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	<p>The compliance status is being updated on regular interval and being submitted to the Regional Office of MOEF, the Zonal Office of CPCB and the SPCB.</p> <p>The same is also uploaded on website of the company.</p> <p>Criteria pollutants levels are being displayed on plant main gate.</p>
xiii	The environment statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	This condition has been noted and Environment Statement (Form-V) along with environment clearance conditions compliance status will be submitted to SPCB and respective regional office by e-mail.

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S. NO.	EC CONDITION	COMPLIANCE STATUS
xiv	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment & Forests.	Six monthly compliance reports are being submitted regularly to the MoEF&CC Regional office, CPCB zonal office and SPCB Head Office. Status is also uploaded on organization's website.
xv	Regional Office of the Ministry of Environment & forests will monitor the implementation of the stipulated conditions. A completed set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six-monthly basis. Criteria pollutants levels including NOx (from stack and ambient air) shall be displayed at the main gate of the power plant.	<p>A copy of EIA Report has already been sent to Regional Office on 27.04.2012.</p> <p>Arrangement for display of criteria pollutant on main gate has been made.</p> <p>The compliance status is being updated on regular interval and being submitted to the Regional Office of MOEF, the Zonal Office of CPCB and the SPCB. The same is also uploaded on website of the company. Criteria pollutants levels are being displayed on plant main gate.</p>
xvi	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. This cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	<p>Separate funds amounting to ₹ 1429.04 Cr were allocated for environmental protection measures and included in the project cost. The item-wise allocation covered ESPs (₹ 202.93 Cr), 275 m Stack (₹ 36.66 Cr), Coal Dust Extraction and Suppression Systems (₹ 4.00 Cr), Ash Management (₹ 140.00 Cr), FGD (₹ 596.00 Cr), Cooling Towers (₹ 255.00 Cr), Main Plant Effluent Treatment Plant including Central Monitoring Basin (₹ 9.0 Cr), Sewage Treatment Plant (₹ 1.0 Cr), Ash Disposal (₹ 150.00 Cr), Afforestation and Green Belt Development (₹ 2.0 Cr), Control of Fire and Explosion Hazard (₹ 31.95 Cr), Env. Lab. Equipment (₹ 0.50 Cr).</p> <p>Continuous monitoring, maintenance, and upgradation (as needed) are being undertaken to ensure sustained compliance with environmental norms. Year-wise expenditure records are being maintained and submitted to the Ministry as per guidelines.</p>
xvii	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates	The project was initiated on 10.09.2014, and the approved project cost was Rs. 9188.98 Crore. The Commercial Operation dates (COD) for Unit-V was 07.11.19 and Unit-VI was

Signature

S. NO.	EC CONDITION	COMPLIANCE STATUS
	of start of land development work and commissioning of plant.	01.07.2021.
xviii	Full cooperation should be extended to the Scientists / Officers from the Ministry / Regional Office of the Ministry at Bangalore / CPCB / SPCB who would be monitoring the compliance of environmental status.	Full cooperation is being extended to the Scientists/ Officers from the Ministry/ Regional Office of the Ministry at Lucknow/ CPCB/ SPCB visiting the project. The same shall be ensured in future also.

S.NO.	EC CONDITION	COMPLIANCE STATUS
Conditions as per EC amendment dated 22.08.2019		
i	Stack of 275 m height shall be installed and provided with continuous online monitoring equipment's for SO _x , NO _x and PM emissions. Exit velocity of flue gases shall not be less than 22 m/sec. Mercury emissions from stack may also monitored on periodic basis.	A bi-flue stack with a height of 275 meters, equipped with continuous online monitoring systems for Particulate Matter, SO ₂ , NO _x , and Mercury, has been installed. A data transmission system has also been implemented to ensure continuous transmission of monitoring data to the CPCB.
ii	High efficiency ESP shall be installed to ensure meeting of latest emission norms	High efficiency ESP has been installed in Unit#1 & Unit#2 of Stage-II to limit particulate emissions below 30 mg/Nm ³ .
iii	As per the revised Tariff Policy notified by Ministry of Power vide dated 28.01.2016, project proponent shall explore the use of treated sewage water from the Sewage Treatment Plant of Municipality/ local bodies/ similar organization located within 50 km radius of the proposed power project to minimise the water drawl from surface water bodies. The details of Sewage Treatment Plants located within 50km radius along with the capacities shall be submitted.	There are no municipality sewage treatment plants within 50km radius of the power plant. The treated effluent from plant and colony Sewage Treatment Plants is used for horticulture/ gardening activities.
Conditions as per EC amendment dated 28.05.2018 for validity extension		
i	Revised emission standards as per Ministry's Notification dated 07.12.2015 and subsequent amendments notified from time to time shall be complied. In case, plant is ready for commissioning and not meeting revised emission norms, operations shall be stopped unless otherwise and extension is given to the said power plant through a specific direction or an amendment to the notification.	<p>Particulate Matter (PM) emissions are being maintained within the limit of 30 mg/Nm³ as per revised emission norms. After the issuance of ODE, the FGD system for Unit-V is in operation. Furthermore, the trial run for Unit-VI was successfully completed on 24.11.2024. NO_x emission norms compliance issue has been taken up at corporate level.</p> <p>As per the MoEF&CC notification dated 30.12.2024, the applicable timelines for compliance to new emission norms is 31.12.2029.</p>

Swetha

ii	As per the specific condition no. xxviii of EC, Capital budget of Rs.25 Crores for CSR activities shall be revised in commensurate with the revised project cost Rs.7,800 Crores.	Budget revision is being taken up appropriately.
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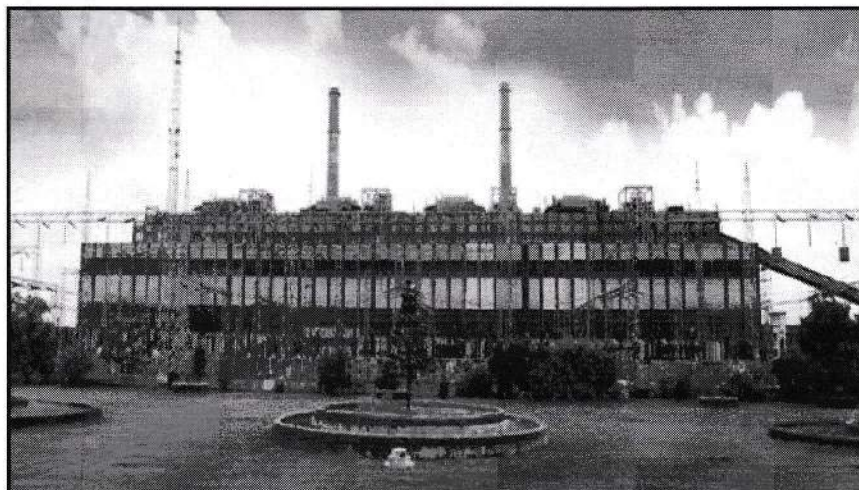
Conditions as per EC amendment dated 22.04.2020 for validity extension

i	Revised emission norms vide Ministry's notification dated 07.12.2015 shall be met during operations. In case plant is not meeting emission standards, either operations shall be stopped or extension to install pollution control measures shall be obtained.	<p>Particulate Matter (PM) emissions are being maintained within the limit of 30 mg/NM³ as per revised emission norms. After the issuance of ODE, the FGD system for Unit-V is in operation. Furthermore, the trial run for Unit-VI was successfully completed on 24.11.2024.</p> <p>NOx emission norms compliance issue has been taken up.</p> <p>As per the MoEF&CC notification dated 30.12.2024, the applicable timelines for compliance to new emission norms is 31.12.2029.</p>
ii	The physical and financial progress of installation of FGD and De-NOx control systems to meet new emission norms shall be submitted to Ministry and its Regional Office.	<p>Flue Gas Desulphurization (FGD) package has been awarded to M/s. GE Power India Limited on 18.09.2018 (Total Cost ₹ 596.0 Crores)</p> <p>After the issuance of ODE, the FGD system for Unit-V is in operation. Furthermore, the trial run for Unit-VI was successfully completed on 24.11.2024. (Annexure-X)</p> <p>For NOx emission control, twin fire vortex (eight corner firing) with circular firing system is adopted in furnace. Uniform flame distribution is obtained due to twin fire vortex with minimum flue gas temperature deviation & better combustion. NOx formation and unburnt carbon loss due to incomplete combustion is reduced by using low NOx burner and proper air distribution.</p>

Shubh

Interim Report

**HYDRO-GEOLOGICAL STUDY FOR TANDA STPP, STAGE-II
(2X660 MW), UTTAR PRADESH**



Submitted to
**NATIONAL THERMAL POWER CORPORATION
TANDA**

by



NATIONAL INSTITUTE OF HYDROLOGY
(An ISO 9001:2008 Institute under MoWR, RD and GR, Govt. of India)
ROORKEE - 247667 (UTTARAKHAND)

MARCH 2022

Dr. S. K. Singh

कार्यालय अधिशासी अभियन्ता
सिंचाई खण्ड टाण्डा
अम्बेडकरनगर

पत्रांक:-202 /सिंखटा/एनटीपीसी/ दिनांक: 03/02/2024
विषय:-चौच सिंह टाण्डा पम्प नहर से एनटीपीसी टाण्डा अम्बेडकरनगर
को जलापूर्ति किये जाने के सम्बन्ध में उत्तर प्रदेश, सिंचाई
विभाग एवं एनटीपीसी टाण्डा के मध्य अनुबन्ध/एमओयू के
नवीनीकरण के सम्बन्ध में।

श्री मयंक, अपर महाप्रबन्धक (पीएण्ड एस), एनटीपीसी टाण्डा,
अम्बेडकरनगर

कृपया उपरोक्त विषयक अवलोकन करने का कष्ट करें। उक्त के सम्बन्ध
में एनटीपीसी टाण्डा एवं सिंचाई एवं जल संसाधन विभाग, उत्तर प्रदेश के
मध्य सम्पन्न होने वाले एमओयू रु० 500/- के स्टाम्प पेपर पर 16 की
फॉन्ट पर टंकित कराते हुए प्रत्येक पृष्ठ पर हस्ताक्षर किये जाने हेतु प्रेषित है।

कृपया हस्ताक्षर करना चाहें।

संलग्नक:- उपरोक्तानुसार (मूलरूप में)

Shr 03.02.2024
(एसपी सिंह)
अधिशासी अभियन्ता
सिंचाई खण्ड टाण्डा
अम्बेडकरनगर

Shr



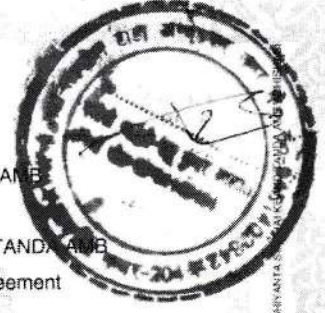
INDIA NON JUDICIAL

Government of Uttar Pradesh

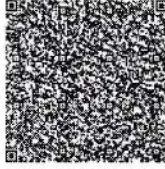


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 Description of Document : Article 5 Agreement or Memorandum of an agreement
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एनटीपीसी टाण्डा को दिये जा रहे जल के अनुबन्ध
 का नवीन ड्राफ्ट आलेख

यह अनुबन्ध सन् 202 के माह.....के माह.....केवें दिन तदनुसार
 शक सम्वत्के माह.....के वें दिन को
 नेशनल थर्मल पावर कार्पोरेशन, जो कंपनी, कंपनी अधिनियम, 1956 के तहत
 पंजीकृत केन्द्रीय सरकार की एक कम्पनी है एवं जिसका पंजीकृत कार्यालय,
 एनटीपीसी भवन, स्कोप कॉम्प्लेक्स, 7 इंस्टीट्यूशनल एरिया, लोधी रोड, नई
 दिल्ली, 110003 है, द्वारा श्री नील कुमार शर्मा, पदनाम— महाप्रबन्धक (प्रचालन
 एवं अनुरक्षण), (जिसे आगे "उपभोक्ता" कहा गया है) प्रथम पक्ष व राज्यपाल

कमश:.....2

8/2/2024
 (एसपीसी)

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8/2/2024
 (एसपीसी)

उत्तर प्रदेश दवार श्री सचिव, सिंचाई विभाग, उत्तर प्रदेश, शासन (जिसे आगे "आपूर्तिकर्ता" कहा गया है) द्वितीय पक्ष के मध्य निष्पादित किया गया।

उपभोक्ता के अनुरोध पर आपूर्तिकर्ता ने जनपद अम्बेडकरनगर के महरीपुर स्थित टाण्डा पम्प नहर से शासनादेश संख्या- 2894/10-27-सिं0-04-140 (डब्लू)परि0/06, दिनांक 29.06.2010 द्वारा निर्धारित शर्तों के अधीन एवं एन0टी0पी0सी0 लिमिटेड टाण्डा के पत्रांक टाण्डा/टीएस/2019-20/163 दिनांक 26 अगस्त, 2019 के क्रम में दिनांक 21.11.2019 को सिंचाई एवं जल संसाधन विभाग एवं एन0टी0पी0सी0 लिमिटेड टाण्डा के अधिकारियों की संयुक्त बैठक में लिये गये निर्णय के अनुसार 85 क्यूसेक तक अपेय जल की आपूर्ति जनपद अम्बेडकरनगर के टाण्डा पम्प नहर के किमी0 0.105, किमी0 0.120 से उपभोक्ता के पूर्व निर्मित हेड रेगुलेटर से जलापूर्ति करने हेतु सहमत है। वर्तमान में आपूर्तिकर्ता ने शासनादेश सं0-..... दिनांक द्वारा इस अनुबन्ध को निष्पादित करने हेतु निर्गत किया। अब यह अनुबन्ध निम्न का साक्षी है:-

1- इस अनुबन्ध में जब कोई अन्य आशय व्यक्त न हो:-

- (क) "टाण्डा पम्प नहर" का तात्पर्य जनपद अम्बेडकरनगर में महरीपुर ग्राम में निर्मित पम्प हाउस से निकली तथा सरयू नदी के दाहिने तट पर निर्मित टाण्डा पम्प नहर से है ;
- (ख) "मुख्य अभियन्ता" का तात्पर्य सिंचाई एवं जल संसाधन विभाग के लखनऊ मुख्यालय स्थित मुख्य अभियन्ता (शारदा सहायक) गंगा सिंचाई भवन, तेलीबाग लखनऊ से है, जिसके प्रशासनिक नियंत्रण में महरीपुर पम्प नहर है ;

Shruti
23-02-2021
(एस0पी0सिंह)
अधिशापी अभियन्ता
सिंचाई खण्ड टाण्डा
अम्बेडकर नगर

क्रमशः.....03

Shruti

- (ग) "पम्प हाउस" का तात्पर्य घाघरा के दाहिने तट पर निर्मित पम्प हाउस से है;
- (घ) "महाप्रबन्धक" का तात्पर्य महाप्रबन्धक, एन0टी0पी0सी0 लिमिटेड, टाण्डा, अम्बेडकरनगर से है ;
- (ङ) "महाप्रबन्धक (प्रचा0 एवं अनु0)" का तात्पर्य महाप्रबन्धक (प्रचा0 एवं अनु0), एन0टी0पी0सी0 लिमिटेड, टाण्डा, अम्बेडकरनगर से है ;
- (च) "अधिशायी अभियन्ता" का तात्पर्य सिंचाई विभाग के अधिशायी अभियन्ता, सिंचाई खण्ड टाण्डा, अम्बेडकरनगर (प्रभारी टाण्डा पम्प नहर) से है ;
- (छ) "वित्तीय वर्ष" का तात्पर्य:-
- 1- इस अनुबन्ध के निष्पादन तिथि से प्रारम्भ होकर 31 मार्च से है और ;
 - 2- प्रत्येक आगामी 12 (बारह) माह के अवधि, जो कि 01 अप्रैल से अनुबन्ध की अवधि के अन्तर्गत आगामी 31 मार्च से है और ;
 - 3- यदि इस अनुबन्ध के समाप्त होने की अन्तिम तिथि 31 मार्च नहीं है, तो उस तिथि में विगत 01 अप्रैल से प्रारम्भ होकर अनुबन्ध समाप्त होने की अन्तिम तिथि तक है ;
- (ज) "सिंचाई विभाग" का तात्पर्य उत्तर प्रदेश सरकार के सिंचाई विभाग से है ;
- (झ) "उपखण्ड अधिकारी" का तात्पर्य सिंचाई विभाग के उपखण्ड अधिकारी से है, जो महरीपुर पम्प नहर का प्रभारी हो ;
- (ञ) "अवर अभियन्ता" का तात्पर्य सिंचाई विभाग के उस अवर अभियन्ता से है, जो महरीपुर पम्प नहर का प्रभारी हो ;
- (ट) "अधीक्षण अभियन्ता" का तात्पर्य सिंचाई विभाग के अधीक्षण अभियन्ता, एकादशम् मण्डल, सिंचाई कार्य, अयोध्या (प्रशासनिक नियंत्रण महरीपुर पम्प नहर) से है ;

Shruti
03.02.2024
(एस0पी0सिंह)
अधिशायी अभियन्ता
सिंचाई खण्ड टाण्डा
अम्बेडकर नगर

कमश:.....4

Shruti

2- आपूर्तिकर्ता एवं उपभोक्ता निम्न प्रकार से सहमत हुए:-

(क) उपभोक्ता ने पम्प नहर के किमी० 0.105 व किमी० 0.120 पर निर्मित हेड रेगुलेटर से पावर प्लांट हेतु उत्तर प्रदेश सरकार (जिसे आगे "राज्य सरकार" कहा गया है) से 40 क्यूसेक व 45 क्यूसेक (कुल 85 क्यूसेक) तक अपेय जल की आपूर्ति करने का अनुरोध किया है।



(ख) उपभोक्ता द्वारा अधिकतम 85 क्यूसेक जल महरीपुर पम्प हाउस से लिया जा सकेगा। आपूर्तिकर्ता द्वारा प्रतिवर्ष लगभग इसी सीमा तक जलापूर्ति उपभोक्ता को की जायेगी।






(ग) उपभोक्ता द्वारा प्रत्येक वर्ष की 31 मार्च अथवा उसके पूर्व रायल्टी एवं जल मूल्य की धनराशि अधिशासी अभियन्ता के कार्यालय में या राज्य सरकार द्वारा नियत स्थान पर जमा की जायेगी।

(घ) रायल्टी चार्ज रू० 600000.00 (रू० छः लाख) मात्र प्रति क्यूसेक प्रतिवर्ष एवं जलमूल्य/जलकर रू० 12.48 (बारह रुपये अड़तालिस पैसे मात्र) प्रति हजार घनफुट की दर से वास्तविक जल उपभोग के आधार पर शासनादेश संख्या- 2953/11-27-सि०-4-08(जल/82 लखनऊ, दिनांक 15 जुलाई 2011 के अनुसार उपभोक्ता द्वारा आपूर्तिकर्ता को भुगतान किया जायेगा तथा राज्य सरकार समय-समय पर रायल्टी चार्ज एवं जल मूल्य की दरों को पुनरीक्षित कर सकती है, जिसके अनुसार उपभोक्ता द्वारा रायल्टी एवं जलमूल्य का भुगतान कर दिया गया है।

(ङ) उपभोक्ता द्वारा जल की आपूर्ति हेतु सी०सी० लाईनिंग, इनलेट और वापस करने हेतु समस्त कार्य, जो कराये जायेंगे, इसके निर्माण का व्यय एन०टी०पी०सी० लिमिटेड टाण्डा द्वारा ही वहन किया जायेगा। एन०टी०पी०सी० लिमिटेड टाण्डा सिंचाई विभाग द्वारा प्रश्नगत जलापूर्ति हेतु कराये गये लाईनिंग कार्यों की वास्तविक लागत (20725.64 लाख) का


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क्रमशः.....5



2 प्रतिशत अनुरक्षण हेतु उपलब्ध करायेगा। इस धनराशि में प्रति वर्ष 10 प्रतिशत वृद्धि की जायेगी। उपभोक्ता द्वारा प्रत्येक वर्ष की 31 मार्च अथवा उसके पूर्व अधिशासी अभियन्ता के कार्यालय में या राज्य सरकार द्वारा नियत स्थान पर जमा की जायेगी।

(च) अधिशासी अभियन्ता, उपखण्ड अधिकारी एवं अवर अभियन्ता या कोई अन्य सिंचाई विभाग के अधिकारी/प्रतिनिधि पम्प हाउस या अन्य माप सम्बन्धित प्रणाली जहाँ पर पानी की आपूर्ति मापी जा सकें, तक पहुँचने के लिये स्वतन्त्र होंगे तथा उपभोक्ता द्वारा इस सम्बन्ध में हर सम्भव सहयोग किया जायेगा।

[Signature]

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Rishabh

(छ) पम्प हाउस या मापन सम्बन्धी अन्य प्रणाली अथवा दोनों, जो भी आवश्यक हो, में आवश्यक परिवर्तन एवं परिवर्धन उपभोक्ता द्वारा सिंचाई विभाग की पूर्व लिखित अनुमति के पश्चात् अपने व्यय पर किया जायेगा।

(ज) पानी की वास्तविक आपूर्ति को सुनिश्चित करने के लिए उपभोक्ता द्वारा अति आधुनिक जल मापन यंत्र (Digital Flow Meter) लगाया जायेगा तथा आपूर्तिकर्ता एवं उपभोक्ता, संयुक्त रूप से मीटर रीडिंग का निरीक्षण प्रत्येक माह की 15 व 30 तारीख को किया जायेगा। अधिशासी अभियन्ता द्वारा उपभोक्ता को संयुक्त निरीक्षण की निधि की जानकारी 03 दिन पूर्व दी जायेगी। जल को मापने हेतु लगाया गया मीटर उपभोक्ता द्वारा ठीक अवस्था में चालू हालत में रखा जायेगा। यदि मीटर खराब पाया जाता है तो इस दशा में पम्पों की अधिकतम क्षमता $60+50=110$ क्यूसेक के अनुसार जल की आपूर्ति मानकर रायल्टी एवं जल मूल्य की गणना की जायेगी, जो उपभोक्ता को मान्य होगी।

[Signature] 03-02-2024

(एसओपीओसिह)

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कमश:.....6

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(झ) अधिशासी अभियन्ता द्वारा प्रस्तुत बिलों की देनदारी का भुगतान उपभोक्ता द्वारा यदि 12 (बारह) दिवस के अन्दर नहीं किया जाता है तो आपूर्तिकर्ता द्वारा उपभोक्ता को 30 (तीस) दिन की नोटिस देने के पश्चात् जलापूर्ति बन्द करने का अधिकार होगा।

(ञ) यदि महरीपुर पम्प नहर रिमोडलिंग की जाती है या पम्प हाउस के पम्पों को बदला जाता है, जिसके फलस्वरूप पम्पिंग स्टेशन एवं मशीनरी को मोडीफाई किये जाने की आवश्यकता होती है, तो उसका पूर्ण उत्तर दायित्व उपभोक्ता का होगा, सम्पूर्ण का भार उपभोक्ता द्वारा वहन किया जायेगा।

Dr. Rishabh

Rishabh

(ट) रॉयल्टी प्रभार अन्य व्यय धनराशि जो आपूर्तिकर्ता द्वारा निर्धारित की जाय, उपभोक्ता द्वारा निर्धारित तिथि या उससे पहले आपूर्तिकर्ता के पक्ष में जमा कर दी जायेगी।

Rishabh

(ठ) दिये जाने वाले जल का प्रयोग सिर्फ प्लांट को ठंडा करने हेतु किया जायेगा। एन0टी0पी0सी0 लिमिटेड, नहर द्वारा जलापूर्ति में अपना कोई गंदा जल अथवा उत्प्रवाह नहीं डालेगा। इस प्रयोजन हेतु सिंचाई विभाग के अधिकारी/कर्मचारीयों को एन0टी0पी0सी0 लिमिटेड के प्लांट का निरीक्षण करने का अधिकारी होगा।

यदि उपभोक्ता द्वारा निर्धारित तिथि के अन्दर उक्त देय धनराशि का भुगतान नहीं किया जाता है, तो उस दशा में उपभोक्ता को एक माह की लिखित नोटिस देकर एक माह के पश्चात् अधीक्षण अभियन्ता के प्रमाण पत्र पर, उक्त देय धनराशि की वसूली भू-राजस्व के बकाया की भाँति उपभोक्ता से कर ली जायेगी।

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कमश:.....7

Dr. Rishabh

(ड) यह अनुबन्ध प्रभाव की अंकित तिथि से 10 (दस) वर्ष की अवधि तक प्रभावी होगा, जब तक अनुबन्ध पूर्व में निरस्त न कर दिया जाय। अतः 10 (दस) वर्ष की अवधि के पश्चात् दोनों पक्षकारों की सहमति से आगामी(.....) वर्ष के लिये नया अनुबन्ध निष्पादित किया जायेगा।

(ढ) इस अनुबन्ध के निष्पादन के पश्चात् इस अनुबन्ध के अन्तर्गत सभी नोटिस अथवा कार्यवाही उपभोक्ता की ओर से महाप्रबन्धक एन0टी0पी0सी0 लिमिटेड द्वारा की जायेगी तथा आपूर्तिकर्ता की ओर से अधिशासी अभियन्ता, सिंचाई खण्ड टाण्डा, अम्बेडकरनगर द्वारा की जायेगी।

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(ण) यदि आपूर्तिकर्ता के नियंत्रण के बाहर अथवा किसी दुर्घटना अथवा सूखा अथवा किसी दैवीय आपदा के कारण जल आपूर्ति बाधित होती है तो इसकी जिम्मेदारी आपूर्तिकर्ता की नहीं होगी औ न ही इसके लिये उपभोक्ता द्वारा किसी प्रतिकर की माँग की जायेगी।

Rishabh

(त) इस अनुबन्ध में अन्तर्गत किसी विवाद के उत्पन्न होने के दशा में अधीक्षण अभियन्ता एवं महाप्रबन्धक, एन0टी0पी0सी0 लिमिटेड के संयुक्त प्रयास से तथ्यों के आधार पर विवाद का समाधान किया जायेगा और विवाद का समाधान न होने की दशा में लिखित रूप से मुख्य अभियन्ता की मध्यस्थता हेतु भेजा जायेगा, जिसका निर्णय अन्तिम एवं दोनों पक्षों को मान्य होगा, उक्त कार्यवाही आर्बिट्रेशन एण्ड रिकान्सिलेशन एक्ट, 2019 के अधीन की जायेगी।

[Signature] 03-02-2024
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क्रमशः.....8

[Signature]

उक्त विलेख के साक्ष्य में श्री राज्यपाल महोदय की ओर से श्री.....
....., सचिव, सिंचाई एवं जल संसाधन विभाग, उत्तर प्रदेश शासन
एवं श्री नील कुमार शर्मा, महाप्रबन्धक (प्रचालन एवं अनुरक्षण) एन0टी0पी0सी0
लिमिटेड टाण्डा के मध्य निम्नलिखित दिन..... माह..... एवं वर्ष
.....को हस्ताक्षरित किया गया है और यह अनुबन्ध
सन्..... से प्रभावी होगा।

एन0टी0पी0सी0 लिमिटेड की ओर से
और उसके द्वारा प्राधिकृत अधिकारी
(उपभोक्ता)



नील कुमार शर्मा (Neel Kumar Sharma)
महाप्रबन्धक (प्रचालन एवं अनुरक्षण)
General Manager (O&M)

महाप्रबन्धक सिंचाई एवं जल संसाधन विभाग
सिद्धी नगर / Siddhi Nagar

एन0टी0पी0सी0 लिमिटेड टाण्डा
अम्बेडकर नगर / Ambedkar Nagar
(U.P.)

अम्बेडकरनगर

(सील)

(उपभोक्ता)

श्री राज्यपाल (उत्तर प्रदेश) की ओर से
और उनके द्वारा प्राधिकृत अधिकारी
(आपूर्तिकर्ता)

(हस्ताक्षर)

संयुक्त सचिव

सिंचाई एवं जल संसाधन विभाग


उत्तर प्रदेश, शासन

(सील)

(आपूर्तिकर्ता)

उपस्थिति में:-

1. हस्ताक्षर.....


(P. KANNAN)

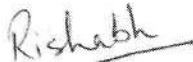
2. नाम व पता-

Panchwati-22
NTPC TANDA
UP - 224238

उपस्थिति में:-

1. हस्ताक्षर.....

2. नाम व पता-



RISHABH JAYASWAL 8/11/24 03.02.2024

IV-80, NTPC TANDA (एस0पी0सिंह)
अधिशायी अभियन्ता
सिंचाई खण्ड टाण्डा
अम्बेडकर नगर

Environmental Monitoring Reports

Ground Water Quality Monitoring



Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:	VEL/W/08	Report No.:	VEL/W/2503130008
Name & Address of the Client:	M/s NTPC Limited 1007 Tanda Super Thermal Power Project, P.O. - Vidyut Nagar, Ambedkar Nagar, Uttar Pradesh, India - 224238	Format No.:	7.8 F-03
		Party Reference No.:	4000321546-057-1019
Sample Description:	Ground Water Sample	Dated :	30/11/2023
Sample Group:	Water	Reporting Date:	18/03/2025
Location:	Village Magudoom Nagar	Period of Analysis:	13/03/2025 18/03/2025
Sample Collected By:	VEL Representative (Mr. Virendra Pandey)	Receipt Date:	13/03/2025
Sampling and Analysis Protocol:	IS: 3025, APHA & STP	Sampling Date:	08/03/2025
Parameter Required:	As Per Scope of Work	Sampling Quantity:	5 Ltrs. + 250 ml
		Sampling Type:	Grab
		Preservation:	Ice Box

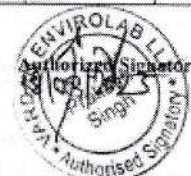
TEST RESULTS

S. No.	Parameters	Test Method	Results	Units	Limits of IS: 10500-2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1.	Colour	IS: 3025 (P-4)	*BLQ(**LOQ-1.0)	Hazen	5	15
2.	pH (at 25°C)	IS: 3025 (P-11)	7.49	--	6.5 to 8.5	No Relaxation
3.	Temperature	IS: 3025 (P-9)	30.52	°C	--	--
4.	BOD(3days 27°C)	IS: 3025 (P-44)	*BLQ(**LOQ 2.0)	mg/L	--	--
5.	COD	APHA, 5220 B Open Reflux Method	*BLQ(**LOQ 4.0)	mg/L	--	--
6.	Total Dissolved Solids	IS: 3025 (P-16)	473.30	mg/L	500	2000
7.	Total Suspended Solids	IS: 3025 (P-17)	*BLQ(**LOQ 1.0)	mg/L	--	--
8.	Electrical Conductivity (at 25°C)	IS: 3025 (P-14)	739.54	uS/cm	--	--
9.	Oil & Grease	Clause No-5 of IS 3025 (P-39)	*BLQ(**LOQ-4.0)	mg/L	--	--
10.	Calcium (as Ca)	IS: 3025 (P-40)	47.61	mg/L	75	200
11.	Chloride (as Cl)	IS: 3025 (P-32)	19.08	mg/L	250	1000
12.	Copper (as Cu)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.002)	mg/L	0.05	1.5
13.	Fluoride (as F)	APHA, 4500 F.D, SPADNS Method	0.89	mg/L	1.0	1.5
14.	Iron (as Fe)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.01)	mg/L	1.0	No Relaxation
15.	Magnesium (as Mg)	APHA, 3500 Mg B, Calculation Method	16.32	mg/L	30	100
16.	Nitrate (as NO ₃)	IS: 3025 (P-34)	6.25	mg/L	45	No Relaxation

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- The test report in full or in part, shall not be reproduced, printed or used in any form without prior written approval of the laboratory.
- To confirm the authenticity of the test report, the client is requested to contact us through email at qa@vardan.co.in
- Laboratory is not responsible for the results of the test report. The test samples will be retained only for specific period.
- The report is not valid for legal or forensic purposes.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

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Ground Water Quality Monitoring

Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number: VEL/W/08				Report No.: VEL/W/2503130008		
S. No.	Parameters	Test Method	Results	Units	Limits of IS: 10500-2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
17.	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23)	139.45	mg/L	200	600
18.	Total Hardness (as CaCO ₃)	IS: 3025 (P-21)	185.72	mg/L	200	600
19.	Selenium (as Se)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.001)	mg/L	0.01	No Relaxation
20.	Sulphate (as SO ₄)	IS: 3025 (P-24)	16.39	mg/L	200	400
21.	Zinc (as Zn)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	0.42	mg/L	5.0	15.0
22.	Sodium (as Na)	IS: 3025 (P-45)	14.87	mg/L	--	--
23.	Potassium (as K)	IS: 3025 (P-45)	7.39	mg/L	--	--
24.	Silica	IS: 3025m (P-35)	13.52	mg/L	--	--
25.	Total Chromium	VEL/STP/ICP/W-01, Issue No.-01, 01/11/2023	*BLQ(**LOQ-0.002)	mg/l	0.05	No Relaxation
26.	Phenolic Compounds	IS 3025 (P-43)	*BLQ(**LOQ-0.0005)	mg/L	0.001	0.002
27.	Hexavalent Chromium (as Cr+6)	IS: 3025 (P-52)	*BLQ(**LOQ-0.1)	mg/L	--	--
28.	Total Phosphorous	IS: 3025 (P-31)	0.67	mg/L	--	--
29.	Dissolved Oxygen	IS: 3025 (P-38)	9.3	mg/L	--	--
30.	Cadmium (as Cd)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.002)	mg/L	0.003	No Relaxation
31.	Lead (as Pb)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.002)	mg/L	0.01	No Relaxation
32.	Mercury (as Hg)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.0005)	mg/L	0.001	No Relaxation
33.	Total Arsenic (as As)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.005)	mg/L	0.01	No Relaxation
34.	Total Coliform	IS: 15185:2016	Absent	/100ml	Shall not be detectable in any 100 ml sample	--

Note: STP- Standard Testing Procedure, *BLQ- Below Limit of Quantification, **LOQ- Limit of Quantification.
Amendment No.1 in June 2015 (Limits of Arsenic) and Amendment No.2 in September 2018 (IS Method of Total Coliform).

End of Report



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Quick

Surface Water Quality Monitoring



Vardan Envirolab LLP

Laboratory: Plot No. B2A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
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Test Report

Sample Number:	VEL/W/10	Report No.:	VEL/W/2503130010
Name & Address of the Client:	M/s NTPC Limited 1007 Tanda Super Thermal Power Project, P.O. - Vidyut Nagar, Ambedkar Nagar, Uttar Pradesh, India - 224238	Format No.:	7.8 F-03
		Party Reference No.:	4000321546-057-1019
		Dated :	30/11/2023
Sample Description:	Surface Water Sample	Reporting Date:	18/03/2025
Sample Group:	Water	Period of Analysis:	13/03/2025 - 18/03/2025
Location:	Down Stream Ghaghara River	Receipt Date:	13/03/2025
Sample Collected By:	VEL Representative (Mr. Virendra Pandey)	Sampling Date:	08/03/2025
Sampling and Analysis Protocol:	IS: 3025, APHA & STP	Sampling Quantity:	5 Ltrs. + 250 ml
Parameter Required:	As Per Scope of Work	Sampling Type:	Grab
		Preservation:	Ice Box

TEST RESULTS

S. No.	Parameter	Test Method	Results	Unit	Limit as per IS 2296 Class C
1.	pH (at 25°C)	IS 3025 (P-11)	7.35	--	6.5-8.5
2.	Colour	IS: 3025 (P-4)	5.18	Hazen	Max 300
3.	Temperature	IS: 3025 (P-9)	23.94	°C	--
4.	Total Suspended Solids	IS: 3025 (P-17)	56.71	mg/L	--
5.	Electrical Conductivity	IS: 3025 (P-14)	335.24	uS/cm	--
6.	Dissolved Oxygen	IS: 3025 (P-38)	7.1	mg/L	Max 4
7.	Oil & Grease	Clause No-5 of IS 3025 (P-39)	*BLQ(**LOQ-4.0	mg/L	Max 0.1
8.	Total Dissolved Solids	IS 3025 (P-16)	214.55	mg/L	Max 1500
9.	Total Phosphate	IS: 3025 (P-31)	0.76	mg/L	--
10.	Nitrate (as NO ₃)	IS 3025 (Part-34)	8.21	mg/L	Max 50
11.	Silica	IS 3025 (Part-35)	19.57	mg/L	--
12.	Phenolic Compounds	IS 3025 (P-43)	*BLQ(**LOQ 0.0005)	mg/L	--
13.	BOD (3 Days at 27°C)	IS 3025 (P-44)	*BLQ(**LOQ-1.0)	mg/L	Max 3
14.	COD	APHA, 5220 B Open Reflux Method	35.81	mg/L	--
15.	Sodium (as Na)	IS: 3025 (P-45)	19.62	mg/L	--
16.	Potassium (as K)	IS: 3025 (P-45)	7.50	mg/L	--
17.	Calcium (as Ca)	IS: 3025 (P-40)	38.41	mg/L	--
18.	Magnesium (as Mg)	APHA, 3500 Mg B, Calculation Method	11.29	mg/L	--
19.	Total Hardness (as CaCO ₃)	IS: 3025 (P-21)	173.84	mg/L	--
20.	Selenium (as Se)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.00.)	mg/L	Max 0.05
21.	Hexavalent Chromium (as Cr+6)	IS: 3025 (P-52)	*BLQ(**LOQ-0.1)	mg/L	Max 0.05
22.	Chloride (as Cl)	IS: 3025 (P-32)	12.90	mg/L	Max 600

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Surface Water Quality Monitoring



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Test Report

Sample No.: VEL/W/10				Report No.: VEL/W/2503130010	
S. No.	Parameter	Test Method	Results	Unit	Limit as per IS 2296 Class C
23.	Sulphate (as SO ₄)	IS: 3025 (P-24)	16.72	mg/L	Max 400
24.	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23)	135.81	mg/L	--
25.	Fluoride (as F)	APHA, 4500 F D, SPADNS Method	0.67	mg/L	Max 1.5
26.	Arsenic (as As)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ 0.005)	mg/L	Max 0.2
27.	Cadmium (as Cd)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.002)	mg/L	Max 0.01
28.	Mercury (as Hg)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ 0.0005)	mg/L	--
29.	Copper (as Cu)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ 0.002)	mg/L	Max 1.5
30.	Zinc (as Zn)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ 0.01)	mg/L	Max 15
31.	Total Chromium (as Cr)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.002)	mg/L	Max 0.05
32.	Lead (as Pb)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ 0.002)	mg/L	Max 0.1
33.	Iron (as Fe)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ 0.01)	mg/L	Max 50
34.	Total Coliform	IS: 15185:2016	Absent	/100ml	Max 5000

Note:- BLQ-Below Limit of Quantification, *LOQ-Limit of Quantification, STP-Standard Testing Procedure

End of Report



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Ambient Air Quality Monitoring



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Test Report

Sample Number: VEL/AP/05
Name & Address of the Party: M/s NTPC Limited
1007 Tanda Super Thermal Power Project,
P.O. - Vidyut Nagar, Ambedkar Nagar,
Uttar Pradesh, India - 224238

Report No.: VEL/AP/2503170005
Format No.: 7.8 F-03
Party Reference No.: 4000321546-057-1019
Dated: 30/11/2023
Reporting Date: 20/03/2025
Period of Analysis: 17/03/2025 - 20/03/2025
Receipt Date: 17/03/2025

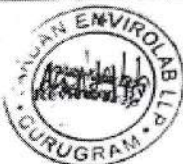
Name of Sample: AMBIENT AIR QUALITY MONITORING
Sample Group: Atmospheric Pollution

General Information

Sampling Location : Near NTPC Township
Sample Collected By : VEL Representative (Mr. Virendra Pandey)
Sampling Instrument Used : Respirable Dust Sampler & Fine Particulate Sampler
Instrument Code : VEL/INS/ENV/RDS/40 & VEL/INS/ENV/FPS/01
Instrument Calibration Status : Calibrated
Meteorological Condition During Monitoring : Clear Sky
Date of Monitoring : 10/03/2025 To 11/03/2025
Time of Monitoring : 09:20 A.M. To 09:20 A.M.
Ambient Temperature (°C) : Min.24°C, Max.35°C
Surrounding Activity : Human, Vehicular & Plant Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS: 5182
Sampling Duration : 24 Hours
Parameter Required : As Per Work Order

TEST RESULTS

S. No.	Parameters	Test Method	Results	Units	Limits As Per CPCB
1.	Particulate Matter 10 (as PM10)	IS: 5182 (P-23)	63.54	µg/m ³	100
2.	Particulate Matter 2.5 (as PM2.5)	IS: 5182 (P-24)	28.90	µg/m ³	60
3.	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2)	15.72	µg/m ³	80
4.	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6)	20.78	µg/m ³	80
5.	Carbon Monoxide (as CO)	IS: 5182 (P-10), By NDIR Method	0.62	mg/m ³	4



Page No. 1 of 2



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Test Report

Sample Number: VEL/AP/05			Report No.: VEL/AP/2503170005		
S. No.	Parameters	Test Method	Results	Units	Limits As Per CPCB
6.	Ammonia (as NH ₃)	VEL/ENV/STP/155, Issue No.- 01, Issue Date : 20/06/2023	14.80	µg/m ³	400
7.	Lead (as Pb)	IS: 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1
8.	Benzene (as C ₆ H ₆)	IS: 5182 (P-12)	BLQ(LOQ-0.5)	µg/m ³	5
9.	Benzo(a)pyrene (as B(a)P)	VEL/ENV/STP/157, Issue No.- 01, Issue Date : 20/06/2023	BLQ(LOQ-0.5)	ng/m ³	1
10.	Ozone (as O ₃)	IS: 5182 (P-9)	21.63	µg/m ³	180
11.	Arsenic (as As)	VEL/ENV/STP/110, Issue No.- 01, Issue Date : 01/11/2023	BLQ(LOQ-0.1)	ng/m ³	6
12.	Nickel (as Ni)	IS: 5182 (P-26)	BLQ(LOQ-5.0)	ng/m ³	20

Note: CPCB: Central Pollution Control Board.

NDIR: Non-Dispersive Infra-Red.

*BLQ: Below Limit of Quantification, **LOQ: Limit of Quantification.

*Indicates 1 Hour Monitoring of Carbon Monoxide & Ozone.

End of Report



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Test Report

Sample Number: VEL/AP/07
Name & Address of the Party: M/s NTPC Limited
1007 Tanda Super Thermal Power Project,
P.O. - Vidyut Nagar, Ambedkar Nagar,
Uttar Pradesh, India - 224238

Report No.: VEL/AP/2503170007
Format No.: 7.8 F-03
Party Reference No.: 4000321546-057-1019
Dated : 30/11/2023
Reporting Date: 20/03/2025
Period of Analysis: 17/03/2025 - 20/03/2025
Receipt Date: 17/03/2025

Name of Sample: AMBIENT AIR QUALITY MONITORING
Sample Group: Atmospheric Pollution

General Information

Sampling Location : Near Railway Gate
Sample Collected By : VEL Representative (Mr. Virendra Pandey)
Sampling Instrument Used : Respirable Dust Sampler & Fine Particulate Sampler
Instrument Code : VEL/INS/ENV/RDS/40 & VEL/INS/ENV/FPS/01
Instrument Calibration Status : Calibrated
Meteorological Condition During Monitoring : Clear Sky
Date of Monitoring : 10/03/2025 To 11/03/2025
Time of Monitoring : 09:46 A.M. To 09:46 A.M.
Ambient Temperature (°C) : Min.24°C, Max.35°C
Surrounding Activity : Human, Vehicular & Plant Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS: 5182
Sampling Duration : 24 Hours
Parameter Required : As Per Work Order

TEST RESULTS

S. No.	Parameters	Test Method	Results	Units	Limits As Per CPCB
1.	Particulate Matter 10 (as PM10)	IS: 5182 (P-23)	64.79	µg/m ³	100
2.	Particulate Matter 2.5 (as PM2.5)	IS: 5182 (P-24)	30.12	µg/m ³	60
3.	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2)	17.56	µg/m ³	80
4.	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6)	23.71	µg/m ³	80
5.	Carbon Monoxide (as CO)	IS: 5182 (P-10), By NDIR Method	0.56	mg/m ³	4

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Test Report

Sample Number: VEL/AP/07			Report No.: VEL/AP/2503170007		
S. No.	Parameters	Test Method	Results	Units	Limits As Per CPCB
6.	Ammonia (as NH ₃)	VEL/ENV/STP/155, Issue No.- 01, Issue Date : 20/06/2023	11.29	µg/m ³	400
7.	Lead (as Pb)	IS: 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1
8.	Benzene (as C ₆ H ₆)	IS: 5182 (P-12)	BLQ(LOQ-0.5)	µg/m ³	5
9.	Benzo(a)pyrene (as B(a)P)	VEL/ENV/STP/157, Issue No.- 01, Issue Date : 20/06/2023	BLQ(LOQ-0.5)	ng/m ³	1
10.	Ozone (as O ₃)	IS: 5182 (P-9)	16.45	µg/m ³	180
11.	Arsenic (as As)	VEL/ENV/STP/110, Issue No.- 01, Issue Date : 01/11/2023	BLQ(LOQ-0.1)	ng/m ³	6
12.	Nickel (as Ni)	IS: 5182 (P-26)	BLQ(LOQ-5.0)	ng/m ³	20

Note: CPCB: Central Pollution Control Board.

NDIR: Non-Dispersive Infra-Red.

*BLQ: Below Limit of Quantification, **LOQ: Limit of Quantification.

*Indicates 1 Hour Monitoring of Carbon Monoxide & Ozone.

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Test Report

Sample Number: VEL/AP/06
Name & Address of the Party: M/s NTPC Limited
1007 Tanda Super Thermal Power Project,
P.O. - Vidyut Nagar, Ambedkar Nagar,
Uttar Pradesh, India - 224238

Report No.: VEL/AP/2503170006
Format No.: 7.8 F-03
Party Reference No.: 4000321546-057-1019
Dated : 30/11/2023
Reporting Date: 20/03/2025
Period of Analysis: 17/03/2025 - 20/03/2025
Receipt Date: 17/03/2025

Name of Sample: AMBIENT AIR QUALITY MONITORING
Sample Group: Atmospheric Pollution

General Information

Sampling Location : Near Maharipur Village
Sample Collected By : VEL Representative (Mr. Virendra Pandey)
Sampling Instrument Used : Respirable Dust Sampler & Fine Particulate Sampler
Instrument Code : VEL/INS/ENV/RDS/40 & VEL/INS/ENV/FPS/01
Instrument Calibration Status : Calibrated
Meteorological Condition During Monitoring : Clear Sky
Date of Monitoring : 10/03/2025 To 11/03/2025
Time of Monitoring : 09:46 A.M. To 09:46 A.M.
Ambient Temperature (°C) : Min.24°C, Max.35°C
Surrounding Activity : Human, Vehicular & Plant Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS: 5182
Sampling Duration : 24 Hours
Parameter Required : As Per Work Order

TEST RESULTS

S. No.	Parameters	Test Method	Results	Units	Limits As Per CPCB
1.	Particulate Matter 10 (as PM10)	IS: 5182 (P-23)	66.81	µg/m ³	100
2.	Particulate Matter 2.5 (as PM2.5)	IS: 5182 (P-24)	30.45	µg/m ³	60
3.	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2)	18.92	µg/m ³	80
4.	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6)	26.73	µg/m ³	80
5.	Carbon Monoxide (as CO)	IS: 5182 (P-10), By NDIR Method	0.59	mg/m ³	4



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Test Report

Sample Number: VEL/AP/05			Report No.: VEL/AP/2503170006		
S. No.	Parameters	Test Method	Results	Units	Limits As Per CPCB
6.	Ammonia (as NH ₃)	VEL/ENV/STP/155, Issue No.- 01, Issue Date : 20/06/2023	11.52	µg/m ³	400
7.	Lead (as Pb)	IS: 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1
8.	Benzene (as C ₆ H ₆)	IS: 5182 (P-12)	BLQ(LOQ-0.5)	µg/m ³	5
9.	Benzo(a)pyrene (as B(a)P)	VEL/ENV/STP/157, Issue No.- 01, Issue Date : 20/06/2023	BLQ(LOQ-0.5)	ng/m ³	1
10.	^a Ozone (as O ₃)	IS: 5182 (P-9)	20.49	µg/m ³	180
11.	Arsenic (as As)	VEL/ENV/STP/110, Issue No.- 01, Issue Date : 01/11/2023	BLQ(LOQ-0.1)	ng/m ³	6
12.	Nickel (as Ni)	IS: 5182 (P-26)	BLQ(LOQ-5.0)	ng/m ³	20

Note: CPCB: Central Pollution Control Board,

NDIR: Non-Dispersive Infra-Red.

*BLQ: Below Limit of Quantification, **LOQ: Limit of Quantification.

^aIndicates 1 Hour Monitoring of Carbon Monoxide & Ozone.

End of Report



Page No. 2 of 2



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Stack Emission Quality Monitoring



Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number: VEL/AP/15
Name & Address of the Party: M/s NTPC Limited
1007 Tanda Super Thermal Power Project,
P.O. - Vidyut Nagar, Ambedkar Nagar,
Uttar Pradesh, India - 224238

Report No.: VEL/AP/2503220015
Format No.: 7.8 F-03
Party Reference No.: 4000321546-057-1019
Dated: 30/11/2023
Reporting Date: 27/03/2025
Period of Analysis: 22/03/2025 - 27/03/2025
Receipt Date: 22/03/2025
Page No.: 1 of 1

Name of Sample: STACK EMISSION MONITORING
Sample Group: Atmospheric Pollution

General Information	:	VEL Representative (Mr. Virendra Pandey)
Sample Collected By	:	18/03/2025
Date of Sampling	:	02:25 P.M. to 02:57 P.M.
Time of Monitoring	:	ESP of Boiler
Stack Attached To	:	Unit No. - 05 (Pass-A & Pass-3)
Sampling Location	:	32.0
Sampling Duration (Minutes)	:	Metal
Make of Stack	:	Clear Sky
Meteorological Condition During Monitoring	:	7.650
Diameter of Stack (m)	:	275
Height of Stack (m)	:	Calibrated
Instrument Calibration Status	:	29.00
Ambient Temperature - Ta (°C)	:	128.0
Temperature of Stack Gases - Ts (°C)	:	22.44
Velocity of Stack Gases (m/sec.)	:	623.5/660
Plant Load (MWh)	:	31.69
Flow Rate of PM (LPM)	:	2.0
Flow Rate of Gas (LPM)	:	2685393.29
Flow Rate of Gas (Nm³/hr.)	:	Coal
Type of Fuel Used	:	Isokinetic
Sampling Condition	:	CPCB Guidelines & IS: 11255
Protocol Used	:	As Per Work Order
Parameter Required	:	

TEST RESULTS

S. No.	Test Parameters	Test Method	Results	Units	Limits
1.	Particulate Matter (as PM)	IS: 11255 (P-1)	26.71	mg/Nm³	30.0
2.	Sulphur Dioxide (as SO₂)	IS: 11255 (P-2)	1024.53	mg/Nm³	100
3.	Oxides of Nitrogen (as NOx)	IS: 11255 (P-7)	415.89	mg/Nm³	100
4.	Carbon Monoxide (as CO)	VEL/ENV/STP/ST/FGA/01, Issue No. 01, Issue Date: 01/11/2023	22.37	%	--
5.	Carbon Dioxide (as CO₂)	VEL/ENV/STP/ST/FGA/01, Issue No. 01, Issue Date: 01/11/2023	16.01	%	--
6.	Oxygen (as O₂)	VEL/ENV/STP/ST/FGA/01, Issue No. 01, Issue Date: 01/11/2023	7.00	%	--
7.	Mercury (as Hg)	VEL/ENV/STP/144, Issue No.- 01, Issue Date: 01/11/2023	0.003	mg/Nm³	0.03

Note:- STP: Standard Testing Procedure, FGA: Flue Gas Analyzer.

End of Report

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** Unit-V FGD system was not operational during the testing period.

Stack Emission Quality Monitoring



Vardan Envirolab LLP

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Sample Number:
Name & Address of the Party:

VEL/AP/16
M/s NTPC Limited
1007 Tanda Super Thermal Power Project,
P.O. - Vidyut Nagar, Ambekar Nagar,
Uttar Pradesh, India - 224238

Test Report

Report No.: VEL/AP/2503220016
Format No.: 7.8 F-03
Party Reference No.: 4000321546-057-1019
Dated : 30/11/2023
Reporting Date: 27/03/2025
Period of Analysis: 22/03/2025 - 27/03/2025
Receipt Date: 22/03/2025
Page No.: 1 of 1

Name of Sample:
Sample Group:

STACK EMISSION MONITORING
Atmospheric Pollution

General Information

Sample Collected By : VEL Representative (Mr. Virendra Pandey)
Date of Sampling : 18/03/2025
Time of Monitoring : 03:11 P.M. to 03:43 P.M.
Stack Attached To : ESP of Boiler
Sampling Location : Unit No. - 06 (Pass-A & Pass-B)
Sampling Duration (Minutes) : 32.0
Make of Stack : Metal
Meteorological Condition During Monitoring : Clear Sky
Diameter of Stack (m) : 7.650
Height of Stack (m) : 175
Instrument Calibration Status : Calibrated
Ambient Temperature - Ta (°C) : 30.00
Temperature of Stack Gases - Ts (°C) : 127.0
Velocity of Stack Gases (m/sec.) : 22.80
Plant Load (MWh) : 615.5/660
Flow Rate of PM (LPM) : 32.28
Flow Rate of Gas (LPM) : 2.0
Flow Rate of Gas (Nm³/hr.) : 2735295.65
Type of Fuel Used : Coal
Sampling Condition : Isokinetic
Protocol Used : CPCB Guidelines & IS: 11255
Parameter Required : As Per Work Order

TEST RESULTS

S. No.	Test Parameters	Test Method	Results	Units	Limits
1.	Particulate Matter (as PM)	IS: 11255 (P-1)	27.41	mg/Nm³	30.0
2.	Sulphur Dioxide (as SO₂)	IS: 11255 (P-2)	1038.95	mg/Nm³	100
3.	Oxides of Nitrogen (as NOx)	IS: 11255 (P-7)	423.76	mg/Nm³	100
4.	Carbon Monoxide (as CO)	VEL/ENV/STP/ST/FGA/01, Issue No. 01, Issue Date: 01/11/2023	13.50	%	--
5.	Carbon Dioxide (as CO₂)	VEL/ENV/STP/ST/FGA/01, Issue No. 01, Issue Date: 01/11/2023	12.00	%	--
6.	Oxygen (as O₂)	VEL/ENV/STP/ST/FGA/01, Issue No. 01, Issue Date: 01/11/2023	9.00	%	--
7.	Mercury (as Hg)	VEL/ENV/STP/144, Issue No.- 01, Issue Date : 01/11/2023	0.006	mg/Nm³	0.03

Note: STP - Standard Testing Procedure, FGA: Flue Gas Analyzer.
End of Report

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Ash Pond Effluent Quality Monitoring



Vardan Envirolab LLP

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ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:	VEL/W/11	Report No.:	VEL/W/2503130011
Name & Address of the Client:	M/s NTPC Limited 1007 Tanda Super Thermal Power Project, P.O. - Vidyut Nagar, Ambekar Nagar, Uttar Pradesh, India - 224238	Format No.:	7.8 F-03
		Party Reference No.:	4000321546-057-1019
		Dated :	30/11/2023
Sample Description:	Waste Water Sample	Reporting Date:	18/03/2025
		Period of Analysis:	13/03/2025 – 18/03/2025
Location:	Ash Dyke 2B	Receipt Date:	13/03/2025
Sample Collected By:	VEL Representative (Mr. Virendra Pandey)	Sampling Date:	08/03/2025
Sampling and Analysis Protocol:	IS: 3025, APHA 23 rd Edition 2017 & STP	Sampling Quantity:	5 Ltrs. + 250 ml
Parameter Required:	As Per Scope of Work	Sampling Type:	Grab
		Preservation:	Ice Box

TEST RESULTS

S. No.	Test Parameters	Test Method	Result	Unit	General Standards As Per The Environment (Protection) Rules, 1986		
					Inland Surface Water (a)	Public Sewers (b)	Land for Irrigation (c)
1.	pH (at 25°C)	IS 3025 (P-11)	7.83	-	5.5-9.0		
2.	Temperature	IS: 3025 (P-9)	24.61	°C	Shall not exceed 5°C above the receiving water temperature		-
3.	Electrical Conductivity	IS 3025 (P-14)	679.12	µS/cm	--	--	--
4.	Total Suspended Solids	IS 3025 (P-17)	54.80	mg/L	110	600	200
5.	Total Dissolved Solids	IS 3025 (P-16)	434.63	mg/L	--	--	--
6.	BOD (3 days @ 27°C)	IS 3025 (P-44)	15.72	mg/L	30	350	100
7.	COD	APHA, 5220 B Open Reflux Method	33.10	mg/L	250	--	--
8.	Oil & Grease	Clause No-5 of IS:3025 (P-39)	*BLQ (**LOQ 0.4)	mg/L	10	20	10
9.	Total Chromium (as Cr)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.002)	mg/L	2.0	2.0	--
10.	Iron (as Fe)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	0.35	mg/L	3	3	--
11.	Zinc (as Zn)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	0.26	mg/L	5.0	15	--
12.	Copper (as Cu)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.002)	mg/L	3.0	3.0	--
13.	Mercury (as Hg)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.0005)	mg/L	0.01	0.01	--
14.	Arsenic (as As)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.005)	mg/L	0.2	0.2	0.2

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Test Report

Sample Number: VEL/PE/11				Report No.: VEL/W/2503130011			
S. No.	Test Parameters	Test Method	Result	Unit	General Standards As Per The Environment (Protection) Rules, 1986		
					Inland Surface Water (a)	Public Sewers (b)	Land for Irrigation (c)
15.	Lead (as Pb)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ -0.002)	mg/L	1.1	1.0	-
16.	Cadmium (as Cd)	VEL/STP/ICP/W-01, Issue No. - 01, Issue Date : 01/11/2023	*BLQ(**LOQ -0.002)	mg/L	2.0	1.0	-

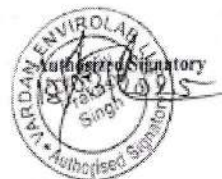
Note- *BLQ-Below Limit of Quantification, **LOQ-Limit of Quantification.

GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENTAL POLLUTANTS PART-A: EFFLUENTS
As Per The Environment (Protection) Rules, 1986 [SCHEDULE - VI] (See Rule 3A)



End of Report

Page No. 2 of 2



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STP Effluent Quality Monitoring



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ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:	VEL/PE/06	Report No.:	VEL/PE/2503130006
Name & Address of the Party:	M/s NTPC Limited 1007 Tanda Super Thermal Power Project, P.O. - Vidyut Nagar, Ambekar Nagar, Uttar Pradesh, India - 224238	Format No.:	7.8 F-03
		Party Reference No.:	4000321546-057-1019
		Dated :	30/11/2023
		Reporting Date:	18/03/2025
		Period of Analysis:	13/03/2025 - 18/03/2025
		Receipt Date:	13/03/2025
		Sampling Date:	08/03/2025
		Sampling Quantity:	2.0 Ltr.
		Sampling Type:	Grab
		Preservation:	Refrigerated
		Parameter Required:	As Per Work Order
		Page No:	1 of 1

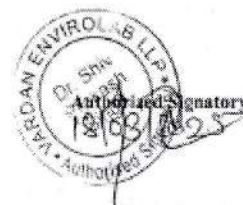
Sample Description: Waste Water
Sample Group: Pollution & Environment
Location: STP Outlet
Sample Collected By: VEL Representative (Mr. Virendra Pandey)
Sampling and Analysis Protocol: IS: 3025, APHA & STP

S. No.	Parameters	Test Method	Results	Units	General Standards As Per The Environment (Protection) Rules, 1986		
					Inland Surface Water (a)	Public Sewers (b)	Land for Irrigation (c)
1.	pH (at 25°C)	IS: 3025 (P-11)	7.78	--	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
2.	Total Suspended Solids	IS: 3025 (P-17)	15.02	mg/L	100	600	200
3.	Total Dissolved Solids	IS: 3025 (P-16)	476.31	mg/L	--	--	--
4.	B.O.D. (3 Days @ 27°C)	IS: 3025 (P-44)	8.20	mg/L	30	350	100
5.	C.O.D.	APHA, 5220 B Open Reflux Method	41.96	mg/L	250	--	--
6.	Total Nitrogen	IS: 3025 (P-34)	7.23	mg/L	100	--	--
7.	Total Phosphorus	IS: 3025 (P-31)	0.86	mg/L	5	--	--
8.	Faecal Coliform	IS: 1622:1981	70	MPN/100 ml	--	--	--

GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENTAL POLLUTANTS PART-A : EFFLUENTS
As Per The Environment (Protection) Rules, 1986 [SCHEDULE - VI] (See Rule 3A)



End of Report



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Dr. Shikha

Plant Effluent Quality Monitoring



Vardan Envirolab LLP

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Test Report

Sample Number:	VEL/PE/05	Report No.:	VEL/ PE/2503220005
Name & Address of the Party:	M/s NTPC Limited 1007 Tanda Super Thermal Power Project, P.O. - Vidyut Nagar, Ambedkar Nagar, Uttar Pradesh, India - 224238	Format No.:	7.8 F-03
		Party Reference No.:	4000321546-057-1019
		Dated :	30/11/2023
		Reporting Date:	27/03/2025
		Period of Analysis:	22/03/2025 - 27/03/2025
		Receipt Date:	22/03/2025
		Sampling Date:	18/03/2025
		Sampling Quantity:	2.0 Ltr.
		Sampling Type:	Grab
		Preservation:	Refrigerated
		Parameter Required:	As Per Work Order

Sample Description: Waste Water
Sample Group: Pollution & Environment
Location: Main Plant Effluent Stage-2
Sample Collected By: VEL Representative (Mr. Virendra Pandey)
Sampling and Analysis Protocol: IS: 3025, & STP

S. No.	Parameters	Test Method	Results	Units	General Standards As Per The Environment (Protection) Rules, 1986		
					Inland Surface Water (a)	Public Sewers (b)	Land for Irrigation (c)
1.	pH (at 25°C)	IS: 3025 (P-11)	7.86	--	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
2.	Temperature	IS: 3025 (P-9)	25.8	°C	Shall not exceed 1°C above the receiving water temperature	--	--
3.	Colour	IS: 3025 (P-4)	Colourless	Hazen	--	--	--
4.	Total Suspended Solids	IS: 3025 (P-17)	74.20	mg/L	100	600	200
5.	Total Dissolved Solids	IS: 3025 (P-16)	363.19	mg/L	--	--	--
6.	Conductivity	IS 3025 (P-14)	567.49	µS/cm	--	--	--
7.	Total Phosphate	IS: 3025 (P-31)	4.62	mg/L	--	--	--
8.	Dissolved Oxygen	IS: 3025 (P-38)	9.1	mg/L	--	--	--
9.	Oil & Grease	IS: 3025 (P-39)	*BLQ(**LOQ-4.0)	mg/L	10	20	10
10.	Ammonical Nitrogen (as N)	IS 3025 (P-34)	15.23	mg/L	50	50	--
11.	B.O.D. (3 Days @ 27°C)	IS: 3025 (P-44)	18.60	mg/L	30	350	100
12.	C.O.D.	APHA, 5220 B Open Reflux Method	49.25	mg/L	250	--	--
13.	Dissolved Phosphate	IS 3025 (P-31)	4.40	mg/L	5.0	--	--
14.	Total Chromium (as Cr)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/2023	*BLQ(**LOQ-0.002)	mg/L	2.0	2.0	--
15.	Hexavalent Chromium	IS 3025 (P-52)	*BLQ(**LOQ-0.05)	mg/L	0.1	2.0	--
16.	Cyanide	IS 3025 (P-27)	*BLQ(**LOQ-0.1)	mg/L	0.2	0.2	--

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Plant Effluent Quality Monitoring



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Test Report

Sample Number: VEL/PE/05					Report No.: VEL/ PE/2503220005		
S. No.	Parameters	Test Method	Results	Units	General Standards As Per The Environment (Protection) Rules, 1986		
					Inland Surface Water (a)	Public Sewers (b)	Land for Irrigation (c)
17.	Sulphate (as SO ₄)	IS: 3025 (P-24)	65.73	mg/L	--	--	--
18.	Copper (as Cu)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.002)	mg/L	3.0	3.0	--
19.	Mercury	VEL/STP/ICP/W-01, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.0005)	mg/L	0.01	0.01	--
20.	Iron (as Fe)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ 0.01)	mg/L	3	3	--
21.	Sulphide (as S)	IS: 3025 (P-29)	BLQ(**LOQ-0.1)	mg/L	2.0	--	--
22.	Phenolic Compounds (as C ₆ H ₅ OH)	IS: 3025 (P-43)	BLQ(**LOQ-1.0)	mg/L	1.0	5.0	--
23.	Lead (as Pb)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/2023	*BLQ(**LOQ 0.002)	mg/L	0.1	1.0	--
24.	Cadmium (as Cd)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.002)	mg/L	2.0	1.0	--
25.	Selenium (as Se)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	0.007	mg/L	0.05	0.05	--
26.	Arsenic (as As)	VEL/STP/ICP/W-01, Issue No.-01, 01/11/2023	0.035	mg/L	0.2	0.2	0.2
27.	Zinc	VEL/STP/ICP/W-01, Issue No.-01, 01/11/2023	0.03	mg/L	5.0	15	--

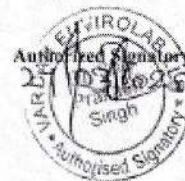
Note: STP- Standard Testing Procedure, *BLQ- Below Limit of Quantification, **LOQ- Limit of Quantification.

GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENTAL POLLUTANTS PART-A : EFFLUENTS
As Per The Environment (Protection) Rules, 1986 [SCHEDULE - VI] (See Rule 3A)



End of Report

Page No. 2 of 2



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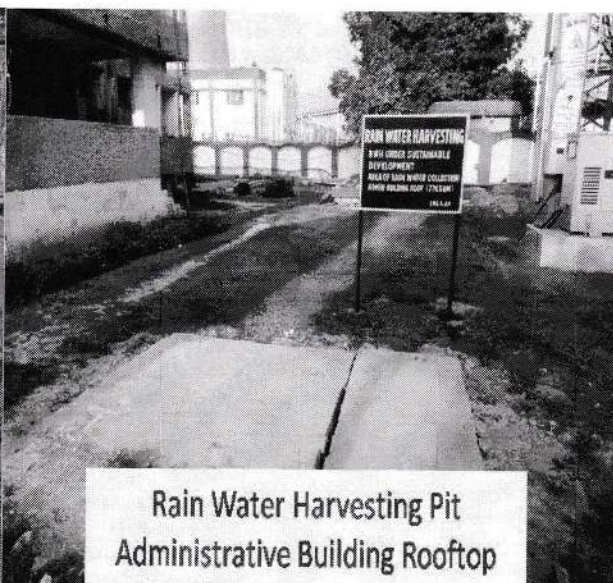
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Rain Water Harvesting & Piezometer



**Rain Water Harvesting Pit
TG Rooftop Stage-II**



**Rain Water Harvesting Pit
Administrative Building Rooftop**

(Rain Water Harvesting Systems)

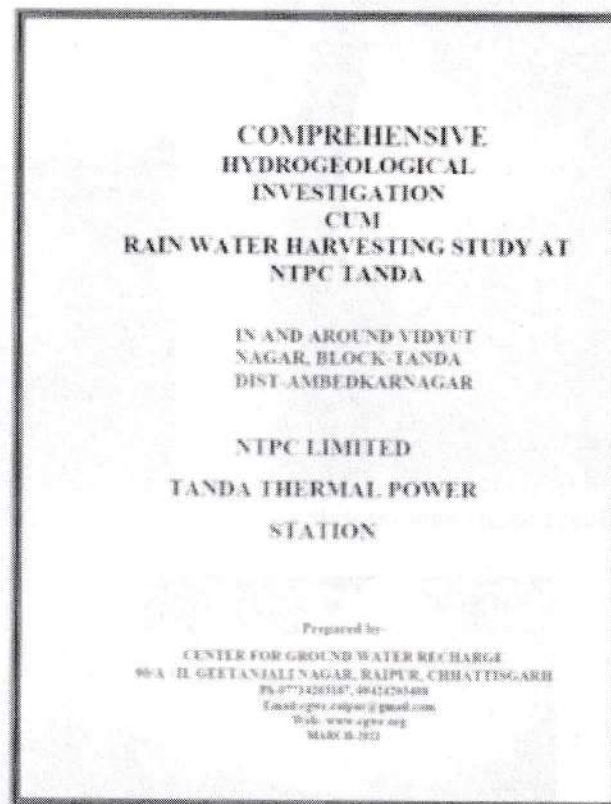


(Piezometer monitoring)

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(Recharge Pond in Colony)



Rainwater Harvesting Study Report

Swati

Fugitive Emission Control Systems



(Crusher House: Dust Extraction Dust Suppression)



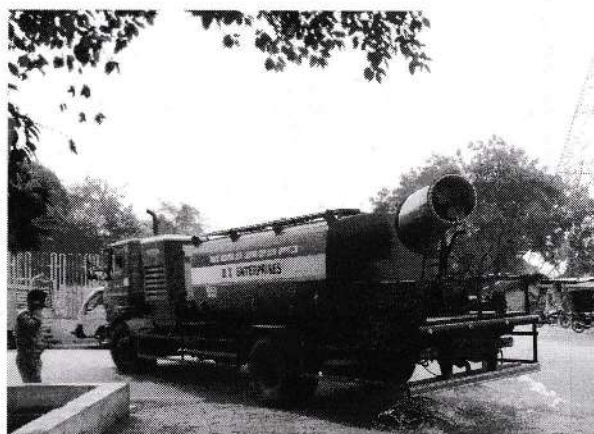
(Sprinkler at Coal Stack Yard)



(Wagon Tippler: Dry Fog Dust Suppression System)



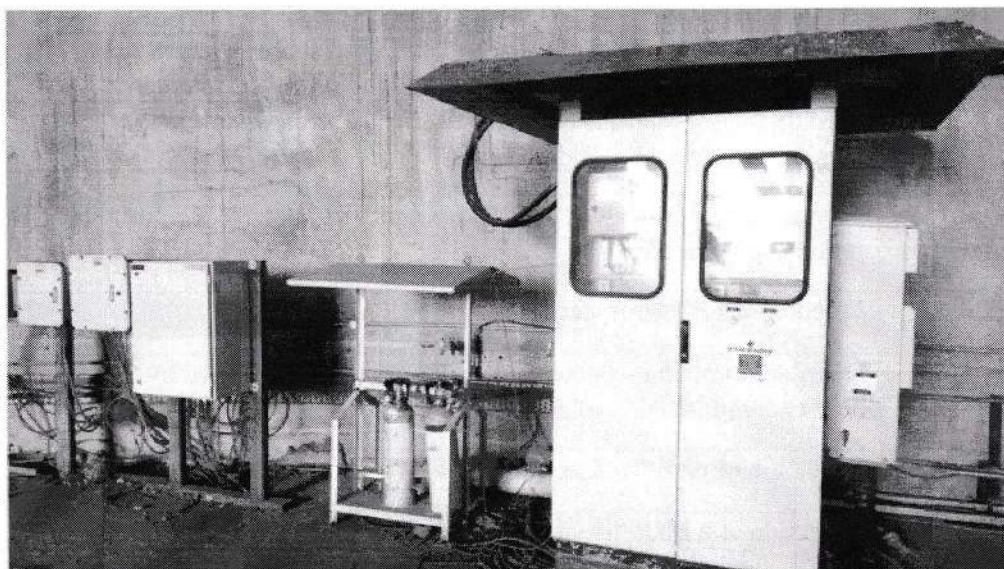
(Anti-Smog Gun)



Truck mounted mist canon machine

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Continuous Monitoring Systems



Continuous Emission Monitoring System



Continuous Ambient Air Quality Monitoring Station

Sweta

CSR & CD Works and Expenditure Details**CSR Activities for FY 2024-25:**

Year	Sl. No.	CSR Activities	Expenditure (₹ In Lakhs)
FY 2024-25	1.	Provide scholarships to physically challenged students studying at Vivekananda Shishukunj Vidyalaya School in the NTPC colony.	1.47
	2.	Weekly homeopathic clinic in the nearby villages of Hakimpur, Hussainpur, Sudhana, and Mehripur.	6.14
	3.	Monthly ration distribution to Andh Gyan Vidyalaya to support their ration supply needs.	3.00
	4.	Procurement of raw materials for NFNDRC.	0.26
	5.	Distribution of 25 e-scooters to SHG women, as requested by the district administration of Ambedkarnagar.	10.40
	6.	Execution of civil work at the CO Tanda office.	1.0
	7.	Operation of a Maternal and Child Health Clinic (MMU) in nearby villages, including Asopur, Mehripur, Hakimpur, Jot Jaina, Fatterpur, Katariya, Bihira, and Daulatpur.	48.00
	8.	Procurement of 3,715 blankets for distribution.	11.79
	9.	Infrastructure support to various government schools in nearby villages	18.53
	10.	Installation of 100 India Markup Handpumps	55.76
	11.	Installation of Solar Streetlights	26.13
	12.	District level Sports Activities	6.00
	13.	Computer Training programs	0.30
	14.	Beautician and Fashion designing Training	8.32
	15.	Animal health camps in nearby villages	2.00
	16.	CSR Awareness Movie	3.00
	17.	Support in Ambedkarnagar Mahotsava	11.00
	18.	Installation of 10 electric high mast lights in Jaunpur District	19.79
	19.	Miscellaneous civil works at SDM Office and District Press Office.	7.16
	20.	Distribution of Mosquito nets in nearby villages.	12.94
	21.	Implementation of Smart Classes for nearby government schools.	20.00
	22.	Health Infrastructure - Construction of Kushti/ wrestling hall, Gym and modern facilities in Sulempur, Ambedkarnagar	99.60

CD Activities Head wise Expenditure:

Sl. No.	Sector/ Head	Expenditure till Mar'25 (in Lakhs) ₹
I	Water	217.66
II	Education included ITI	373.50
III	Health	333.82
IV	Road	1182.97
V	Infrastructure other than road	226.80
VI	Sanitation	2.77
VII	Toilet	223.21
VIII	Skill Development	25.36
IX	Sport & Culture	10.21
X	Physically Challenged Persons (PCP)	0.00
XI	Women Empowerment	10.91
XII	Others (if not covered in above sector)	192.28
Grand Total Expenditure (I-XII)		2799.49

Detail of work carried out under CD - Community Development

Year	Sl. No.	Name of village	Name of work
FY 2013-14	1	Affected 09 Villages	AC/Refrigerator Training to 22 PAP wards
FY 2014-15	1	Affected 09 Villages	Electrical Training to 15 PAP wards.
	2	Affected 09 Villages	Welding Training to 22 PAP wards.
FY2015-16	1	Salahpur Rajour	Construction of Toilets in village- Salahpur Rajour & Hasimpur.
	2	Affected Villages (09)	Plumbing Training
FY 2016-17	1	Salahpur Rajour	Construction of Primary school at Salahpur Rajour
	2	Salahpur Rajour	Construction of junior high school at Salahpur Rajour
	3	Salahpur Rajour	Construction of primary school (Toilets& Boundary wall) at Salahpur Rajour
	4	Salahpur Rajour	Construction of Toilets in vill- salahpur Rajour

Year	Sl. No.	Name of village	Name of work
FY 2017-18	1	Salahpur Rajour	Drinking water facility for School at Salahpur Rajour and Hasimpur.
	2	Salahpur Rajour	Construction of Verandah sheds for Primary and Junior high school at Salahpur Rajour

[Signature]

	3	Salahpur Rajour	Procurement of Furniture for Primary and Junior high school at salahpur Rajour
	4	Salahpur Rajour	Providing of White board & Misc. Stationary for newly constructed School
	5	Salahpur Rajour	Supply, Installation of Play Equipment for Primary and Junior high school at Salahpur Rajour.
	6	Husainpur Sudhana	Construction of Roads & drains.
	7	Yadav Dhaba to new school building	Repairing of Road from Main Road to Gate no.6 and from Yadav Dhaba to new School building at NTPC-Tanda.
	8	DM Office	Misc. Civil & Electrical Works.
	9	Salahpur Rajour	Electrification of Primary & Junior high School at Salahpur Rajour.
	10	Husainpur Sudhana	Scholarship to Rukhsar Fatima.
FY 2018-19	1	Husainpur Sudhana	Installation of 25 no.s India Marka hand pumps in the constituency of MP, Ambedkar Nagar.
	2	Husainpur Sudhana	Construction of Primary School at Husainpur Sudhana Part-I
	3	Husainpur Sudhana	Construction of Primary School at Husainpur Sudhana Part-II
	4	Husainpur Sudhana	Construction of junior high school at Husainpur Sudhana.
	5	Kakrahi	Construction of 300 m road & drains.
	6	Purabaxsarai	Construction of Toilets & Boundary wall for Primary School.
	7	Tehsil Tanda	Construction of 10-seater toilet by M/s. Sulabh International social Service (SISO Lucknow at Tehsil-Tanda.
	8	Katriya & Wajidpur	Construction of 08 nos. Dustbins along the north side of road from village Kateria to village Vazidpur under CD.
	9	NTPC Colony nearby villages	Construction & Installation of dustbin 07 nos. Nearby villages of NTPC-Tanda under CD works.
	10	Affected 09 Villages	Installation of 60 nos. 12W LED Solar Street light in project affected villages Salahpur Rajor, Hasimpur, Husainpur Sudhana, Sarifpur, Asopur, Kakrahi, Samhariya, Ladanpur & Kesavpur pachpokhra under CD Budget.

Year	Sl.No.	Name of village	Name of work
FY 2019-20	1	NTPC Township	Construction of civil works in basic primary School
	2	Affected 09 Villages	Installation of solar LED streetlight in Project affected villages of NTPC Tanda under R&R -CD Activities.
	3	Affected 09 Villages	Conducting Electrical Mechanic Training
	4	Kutubpur	Construction of A.N.M. Center
	5	Akbarpur (DM office)	Construction of 10 Set Sulabh Toilets

6	Mahripur Keshavpur Pachphkhara)	Construction of Panchayat Bhawan/Barat Ghar
7	Samhariya	Construction Of Panchayat Bhawan
8	Asopur	Construction Of sheds at Cemetery at Asopur
9	Kataria	Construction Of 77 nos. Toilets
10	Husainpur Sudhana	Constructions of common facilities (toilets, boundary wall & gate) for school Complex at Husainpur Sudhana.
11	Husainpur Sudhana	Electrical Connection Installation expenditure (one time) of primary & junior high school.
12	Asopur	Interlocking tile work in primary school.
13	Mahripur (Keshavpur Pachphkhara)	Dismantling & Construction of roof on courtyard and installation of submersible pump& motor with water tank for toilet at primary school Mahripur.
14	Khairpur	Construction of boundary wall for Anganwadi center.
15	Khairpur	Construction of cement concrete road.
16	Yadav Dhaba to govt. School Hasimpur	Widening & strengthening of the connecting road (running adjacent to NTPC Tanda boundary wall) 1km length in village Hasimpur (Salahpur Gram sabha)
17	Mahripur (Keshavpur Pachphkhara)	Construction of 05 seated toilet complex at Mahripur village under CD-CSR works.
18	Kakrahi	Construction of 05 seated toilet complex at Kakrahi Village
19	Samhariya	Construction of 05 seated toilet complex at Jotjaina/ Samhariya village
20	Miranpur Sadarali	Construction of 05 seated toilet complex.
21	Faridpurkala	Construction of 05 seated toilet complex.
22	Kakrahi	Renovation of Ramlila and shiv Mandir.
23	Lucknow	Installation of 12-watt LED streetlight under CD activities at Lucknow & Nearby area.
24	Husainpur Sudhana	Procurement of Furniture of Primary & Junior High School at Husainpur Sudhana.

Year	Sl. No.	CD Activities
FY 2020-21	1	Construction of CC road 350-meter length at Asopur village (From Tanda-Maya road to Keshavraj Yadav house)
	2	Construction of CC road from Keotahiya Gopal's shop to River side. Part-I (From CH-0 m to CH-500m) at Mahripur village under CD work.
	3	Construction of Drain 225 meter length at Hakimpur village (Near primary school to Pokhra via Kali chaura) under CD work.
	4	Providing and laying Interlocking tiles in primary school at Samharia village under CD work.
	5	Construction of CC road 1100 meter from Ramchandra House to Mithai lal House at Mahripur village under CD work.
	6	Construction of CC road from Barujalaki to primary school Chauraha Part-1 (From CH-0 m to CH-400 m) at Hakimpur village under CD work.

7	Providing and laying kota stone in floors and replacement of door shutters in primary school at Purabaxrai village under CD work.
8	Construction of CC road from Kesavpur Pachpokhara Minor Canal to Highway Part-I (From CH-0 m to CH-500 m) at Mahripur village
9	Construction of culvert over Nalah at Samharya village under CD work
10	Construction of Boundary Wall in Primary School and Junior High school at Village Kakrahi under CD works
11	Construction of toilet in Primary school at Hakimpur village under CD works.
12	Construction of CC road at Kakrahi village (from Ladanpur-Muzibullah's Shop to Abu Mohammad House) under CD work.
13	Construction of CC road 120 meter length from Kali Chauraha to Pokhara at Hakimpur village under CD work.
14	Construction of CC road from Barujalaki to primary school Chauraha Part-III (From CH-801 m to CH-1100 m) at Hakimpur village under CD work.
15	Construction of CC road 550 meter length from Parsaram's house to Gaziapur road (Raogarh colony) at Asopur village under CD work

Year	Sl. No.	CD Activities
FY 2021-22	1	Repair and painting work of J.H. School & Primary -I & II at Husainpur Sudhana
	2	Construction of ANM Center at Mahripur
	3	Construction of ANM Center at Makhdoomnagar
	4	Procurement of One Ambulance and Two Mortuary Van at Basti & Ambedkar Nagar.
	5	Procurement, Installation & Commissioning of 01 (one) no. PSA Oxygen Plant of 5 Nm ³ /hr capacity & 01 (one) no. of PSA oxygen plant of 36Nm ³ /hr capacity at District Hospital Ambedkarnagar.
	06	Widening of main road between NTPC-Tanda Township to Main Plant (2 km length) on deposit work basis by M/s PWD Ambedkarnagar (Kateriya to Bahadurpur)
	07	Construction of CC road from Keotahiya Gopal's shop to River side. Part-I (From CH-0 m to CH-500m) at Mahripur-Keotahiya.
	08	Construction of CC road from Keotahiya Gopal's shop to River side. Part-II (From CH-501 m to CH-1000 m) at Mahripur-Keotahiya.
	09	Construction of Nalah drain (from Pannalal's house to Dr. Furkhan shop at Makhdoomnagar) village Samhariya.
	10	Construction of 500 meter length CC road from Ramneval's house to Canal and from Gangaram's house to Govind Ram house at Hussainpur sudhana
	11	Construction of CC 890 meter length road from Sadanand house to Western side Railway line and from Railway colony to Nandlal's house at Hussainpur sudhana
	12	Construction of CC road from Kesavpur Pachpokhara Minor Canal to Highway Part-II (From CH-500 m to CH-900 m) at Mahripur.
	13	Construction of Ghat on river front at Kateriya
	14	Construction of 05-seated toilet complet at Jyotjaina/Samhariya village.
	15	Construction of Meeting Room and Toilet Thana Aliganj campus.


Year	Sl. No.	CD Activities
FY 2022-23	1	Construction of Mosque at Hussainpur Sudhana village.
	2	Construction of CC Road at Kakrahi village.
	3	Construction of boundary wall, installation of gate and Graveyard development works at Kakrahi village.
	4	Construction of ANM Centre at Samhariya village

Year	Sl. No.	CD Activities
FY 2023-24	1	Construction of CC Road and drain for Bahadurpur village Gram Panchayat Fatehpur as deposit work basis by UP PWD Ambedkar Nagar.
	2	Cleaning of Nala /drain from Canal siphon to Sarayu River via village Samhariya, Asopur & Kakrahi.
	3	Supply & installation of Solar Lights (123 Nos.) in Project Affected Villages (PAVs) of Stage-II under CD Budget.
	4	Supply & installation of Hand pumps (60 Nos.) in Project Affected Villages (PAVs) of Stage-II under CD Budget.
	5	Procurement 96 Nos. Hand Sewing Machine against GeM order no. GEMC-511687771896644.

Year	Sl. No.	CD Activities
FY 2024-25	1	Installation of 60 India-Marka-II Handpumps in nearby villages: Asopur, Hakeempur, Sharifpur, Jot Jaina, Samhariya, Kakrahi, Ladanpur, Meharipur, Keshavpur Pachpokhara, and Salahpur.
	2	Construction of a boundary wall, gate, and interlocking pavement for Panchayat Bhawan in Makhdoom Nagar, Gram Panchayat Jot Jaina.
	3	Construction of a CC road and drain from Rambadal's house to the riverside in Gram Panchayat Meharipur (ongoing).
	4	Construction of 6 toilets and 6 bathrooms near Haroon Rasheed Baba Sthal in Asopur village near Thana Aliganj.
	5	Construction of a Ramleela Manch along with two rooms, a staircase, and a mumty in Meharipur village.
	6	Construction of a boundary wall and other repair works in Uchch Prathmik Vidyalaya, Hasimpur village.
	7	Construction of a CC road with a drain from near Murli's house to Ramauta's house in Gram Panchayat Meharipur village.
	8	Repair works for the Masjid in Husainpur Sudhana.
	9	Construction of a primary school in Hakimpur (ongoing).

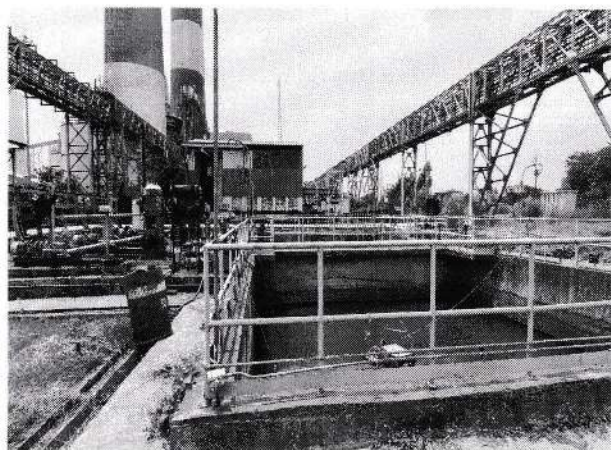
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Records of CSR & CD Activities Review Meeting

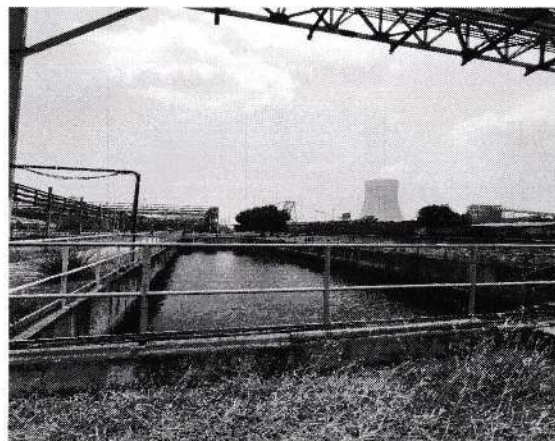
 सौराष्ट्र एवं प्रशासकी विभाग P&S Department		NTPC LTD TANDA	
Record note of BUH(T) Review Meeting		Deptt/Package	Date: 15.11.2024
		CSR/CD Progress & Budget Review	Time: 16:00 Hrs
Sl No	Action point identified	Target Date	Action By
Community Development Activities			
1	MOU Target for FY 2024-25:- Cumulative CD budget utilization in FY 2024-25 is 26.472 Crs. out of Rs. 31.125 Crs. It is a commitment given under Environment clearance of Stage-II that CSR/CD related activities target is to be achieved. Maximum budget utilization under CD budget head is to be focussed by utilizing balance 4.653 Crs. budget and capitalizing the works by 31.12.2024 . Therefore, following are the identified action plans:		
a	Running Contracts (Approx Rs 571.08 Lacs):- Works have to be expedited & payments have to be processed on time. (Total- 13 cases under progress)	As per Annexure-I	CCD/ R&R
b	Presently, CD budget utilization is less for this FY and is to be increased to meet the target. Works worth Rs. 1.99 Crs. are under award, which needs to be expedited for PO placement. New works to be identified with the help of Gram Pradhans/ District Magistrate & relevant approvals to be initiated after preliminary report from Standing Committee.	As per Annexure-II	CCD/ C&M/ R&R
c	Completed Contracts:- All final Technical deviations are to be processed for release of final payment & contract closure as per commitments. Processing of deviations/time extensions & release of payments to be done timely. (Cases- 11 Nos). Cases pertaining to the year 2020, 2021 and 2022 have to be closed on priority. For closed cases (124 nos.) CCP intiation is to be done in PRADIP which shall be monitored in next meeting. Final deviation is to be initiated within 3 months of work completion as per circular 22-23/010 dated 28.09.2022. (attached) Communication is to be given to all agencies which have not submitted final RA bills since long and accordingly, all such contracts have to be closed immediately. Amount which is lying with NTPC for more than 3 years have to be added in Income in consultation with site Finance.	As per Annexure-III	CCD
d	CSR Budget Utilized in FY 2024-25: Rs. 133.40 Lacs/ 375.60 Lacs. List of all the CSR activities identified in FY 2024-25 should be focussed for timely completion. Works which are under award needs to be expedited.	As per Annexure-IV	CCD/ HR-CSR
e	All CD/CSR works should be inline with top management directives, stakeholder engagement and as per CD/ CSR policy.	Immediate	CCD/ R&R
f	It is to be ensured that CCD/R&R/CSR groups have to meet before the next review meeting and filter out the exception points. Only the exceptions shall be discussed in the review meeting.	Immediate	All Concerned
		Rishabh Jayaswal <small>Digitally signed by Rishabh Jayaswal DN: cn=Rishabh Jayaswal, o=NTPC Limited, ou=NTPC Tanda email=rishabh.jayaswal@ntpc.co.in, c=IN Date: 2024.11.16 17:02:21 +05'30'</small> Rishabh Jayaswal Senior Manager (P&S)	
Distribution:- All present			



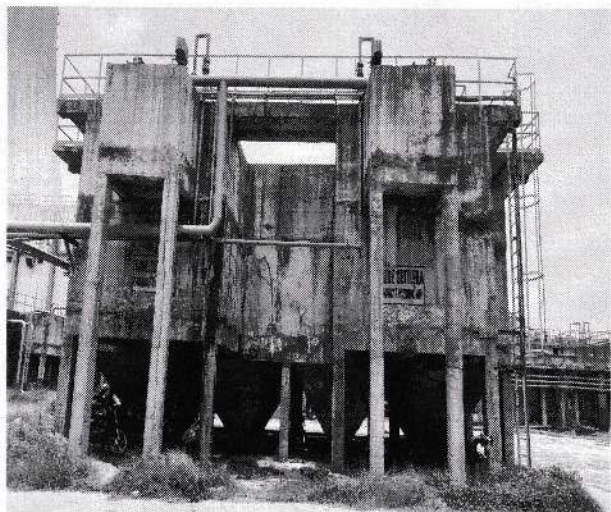
Effluent Treatment System



(Waste Service Water Sump)



(Coal Slurry Settling Pit)



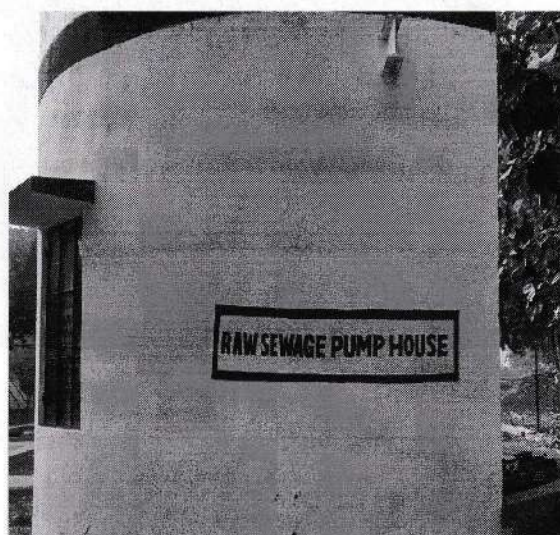
(Tube Settler)



(Neutralization Pit)

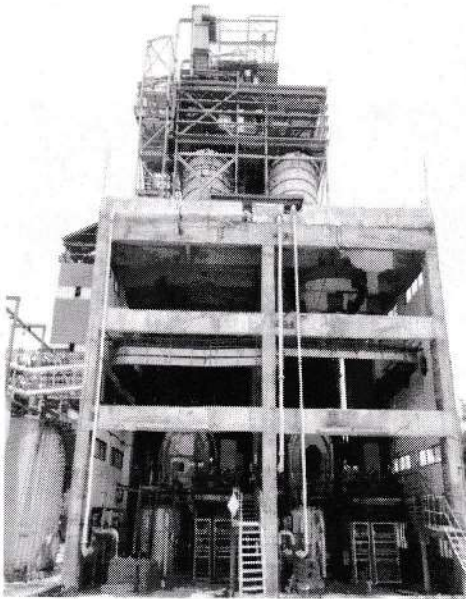


(Sewage Treatment Plant at Township)



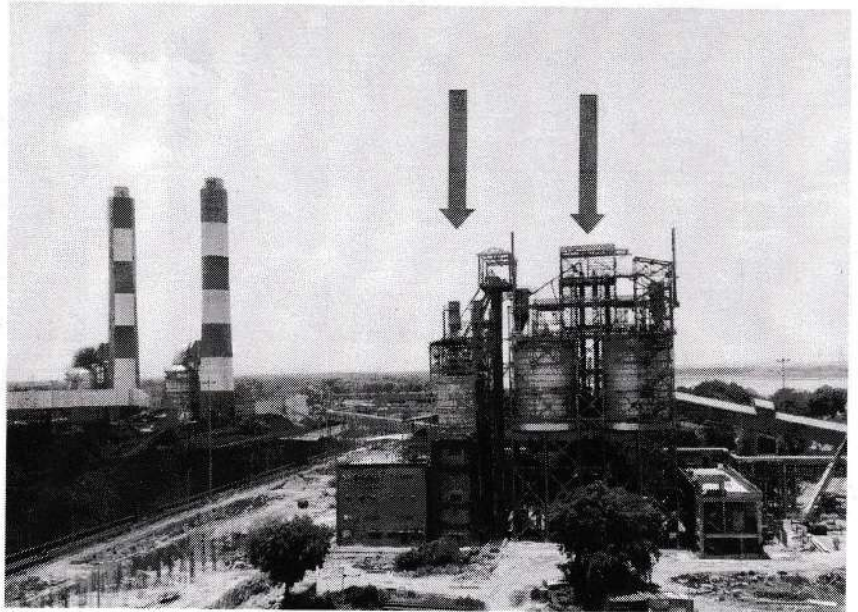
Flue Gas Desulphurization

Ball Mill



Day Silo

Bulk Silo



FGD Absorber



FGD Chimney

Guest