एनटीपीसी
NTPC

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)
(Formerly National Thermal Power Corporation Ltd.)

नबीनगर / Nabinagar

Ref:1086/NSTPS/ Envt, Mgt./12/2026/06/04 Date: 15.06.2026

To,
The Ministry of Environment, Forest & Climate Change
2nd Floor, Headquarter Jharkhand State Housing Board,
Harmu Chowk, Ranchi- 834002, Jharkhand
Email: ro.ranchi-mef@gov.in

Sub: Submission of Environment Condition Compliance Report from Oct-2025 to Mar-2026 for NSTPP Nabinagar.

Ref: MOEF Clearance award letter no J-13012/127/2007-IA.II (T), dtd.28.02.2025.

Dear Sir,

With reference to the above, please find enclosed ECCR (Environment Condition Compliance Report) from Oct-2025 to Mar-2026 of Nabinagar Super Thermal Power Project Stage-II (3X800 MW).

Yours Sincerely,

(Brijendra Agrawal)
AGM(TS/EMG)
NSTPS, Nabinagar

NSTPP Nabinagar Stage- II (3x800 MW) EC Compliances

Specific EC Conditions for (Thermal Power Plants)

1. [A] Environmental Management

S. No	Conditions	EC Compliance Report as on 31.03.2026
1. [A] Environmental Management		
1.1	Project proponent shall comply with all the directions passed by the Hon'ble National Green Tribunal vide its judgement dated 29/11/2024 in OA No. 976 of 2024 titled as Vijay Kumar Singh Urf Dablu Singh vs State of Bihar. Compliance status in this regard shall be submitted to the concerned Regional Office of the MoEF&CC along with the six-monthly compliance report.	Compliance status of OA no. 976/2024 **attached as Annexure -I**
1.2	Project proponent shall abide by all orders and judicial pronouncements, made from time to time by the Hon'ble National Green Tribunal in OA No. 327 of 2022 titled as Amaravati Fly Ash Bricks Manufacturers Association Vs Union of India & Ors.	NSTPP abide by all order and judicial pronouncements, made from time to time by the Hon'ble National Green Tribunal in OA No. 327 of 2022 titled as Amaravati Fly Ash Bricks Manufacturers Association Vs Union of India & Ors. Next hearing date **30.07.2026**
1.3	Project proponent shall adopt 100% utilization of ash generated as a result of the expansion project in accordance with the ash utilization notification dated 31/12/2021 and its subsequent amendment. Area for the additional ash pond proposed under the expansion project shall not exceed 110 Ha as committed.	NSTPP has planned to achieve 100% Ash Utilization from ash generated from Stage-II (3X800 MW) plant as per Ash utilization notification dated 31/12/2021 and its subsequent amendments. As Committed by NSTPP proposed Ash Pond area for expansion project shall not be exceed to 110 Ha.
1.4	Project proponent shall comply with the following with respect to solar energy installation as committed. **a. Within Project Site:**	S.No. / Capacity (MW) / Cost (Rupees in CR) / Status of Proposal / Target Completion

S. No.	Capacity (MW)	Cost (Rupees in CR)	Status of Proposal	Target Completion	
1.	0.58	2.86	Awarded	Mar' 2026	
2.	1.5	5.66	Under Tendering Stage with BOP Packages Stage-II	Award by March'2025	
Total	2.08	8.52			

1.	0.688	2.86	Awarded Work is in progress	0.358 Roof solar installation completed 0.330 ground solar will be completed by 31.08.2026
2.	1.5	5.66	BOP Packages Stage-II Is awarded	Awarded
Total	2.08	8.52		

b. Solar light under installation in nearby villages:

Sno	Villages Description of fitting	Description of fittings	Capacity	Status of Proposal	Target comple
1.	20 no's near by Villages	21 no's 8m high mast solar lights	2100 W	Under Award	Fy-25-2
2.	Nearby villages	20no's of streetlight	240W	Awarded	Fy-25-2

Sno	Villages Description of fitting	Description of fittings	Capacity	Status of Proposal	Target completion
1.	20 no's near by Villages	21 no's 8m high mast solar lights	2100 W	Awarded	FY-26-27. Completion target.

		2.	Nearby villages	419 no's of street light	240 W	Work is in award stage	Fy-26-27	
1.5	In addition to the existing 4 Continuous Ambient Air Quality Monitoring Stations (CAAQMS), Project proponent shall install **additional one continuous ambient air quality monitoring** at suitable location within the project site in consultation with BSPCB as committed.	Additional 1 No's of AAQMS station at suitable location within project site in consultation with BSPCB will be installed.						
1.6	The water requirement for the proposed project is estimated as 72,000 KLD and the same shall be met from Indrapuri Barrage on Sone River. Air Cooled Condenser System shall be used in Nabinagar STPP Stage-II as committed.	As committed water requirement for the proposed project is estimated as 72,000 KLD will be followed. Air cooled condenser system will be installed in expansion project of NSTPP.						
1.7	Project proponent shall store harvested rainwater in the project boundary and utilize the same for plantation, recharging water in the pond and domestic utilization in colonies. A record shall be maintained of water collected through rainwater and its supply system. PP shall get the water audit done every year to optimize the water requirement.	NSTPP is planning to explore surface water storage / recharge facility. Same water shall be utilized for Plantation/ domestic needs. Proposal for study of surface water storage facility has already initiated. During implementation water meter will be installed for maintenance of records.						
1.8	Project proponent shall implement the protective measure proposed in EMP in a time-bound manner. The budget earmarked for the same is Rs. 2745.99 Crores (Capital) and Rs. 61.42 crores (recurring) and should be kept in separate accounts and audited annually. The implementation status along with the amount spent with documentary proof shall be submitted to the concerned Regional Office for the activities carried out during the previous year.	NSTPP Nabinagar shall adhere to implement the protective measure proposed in EMP in a time-bound manner. At present only civil work started. After completion of stage II, total cost will be provided.						

1.9	Project proponent shall assess the carbon footprint of the project and develop carbon sink/carbon sequestration resources using modern technologies. The implementation report shall be submitted to the concerned Regional Office of the MoEF&CC.	NTPC will assess the carbon footprint of the plant and will explore the carbon Sink in accordance & shall be implemented in consultation with regional office of the MOEF&CC.
1.10	Project proponent shall install and commission the FGD for the existing 3x660 MW & and proposed 3x800 MW unit as per the Ministry's notification dated 05/09/2022 and its subsequent amendments.	In line with MoEF&CC circular amendment on 10.07.2025, NSTPP comes under Category C Thermal Power plant. Accordingly Stack Height Criteria is adhered for Stage II.
1.11	Ash pond area and fly ash utilization shall be as per Fly Ash Notification issued by Ministry/ CPCB from time to time.	NSTPP will adhere to fly ash utilization issued by ministry /CPCB from time to time.
1.12	Project proponents shall ensure that pipelines carrying the fly ash and effluent shall be inspected regularly for any leakages.	NSTPP will ensure all the pipelines carrying fly ash will be inspected regularly for any leakages and attended the same within stipulated time.
1.13	Effluent of 2300 KLD will be treated through Effluent Treatment Plant. As committed by the Project proponent, Zero liquid discharge shall be adopted for the existing and the proposed plant. No wastewater will be discharged outside the project site.	ETP of 2300 KLD will be installed in proposed Stage-II of NSTPP. ZLD system has already been installed in Stage-I and operational at present, shall be implemented in Stage II also and No wastewater shall be discharged outside plant premises.
1.14	PP shall ensure that diesel operated vehicles will be switched over to E-Vehicles/CNG/LNG vehicles in a time bound manner, replace the passenger vehicles to E-vehicle in phased manner. Further, for local movement of officials Contract of Vehicles deployment shall be awarded to project affected people and all efforts for adopting heavy E-vehicles/LNG/CNG like Bulkers for ash transportation for short distance subject to availability of such E-vehicle/facility and requisite adequate charging infrastructure in the surrounding area shall be provided. PP shall	NSTPP is exploring to use E-Vehicles/CNG/LNG vehicles. Presently, NTPC is using 10 No.s of Battery-operated vehicles for material handling.

	submit the action taken report to concerned RO with amount spent, photographs (before & after), number of e-vehicles deployed etc. in six monthly compliance report.	
1.15	PP shall implement the concurrent plantation plan in a time bound manner. The gap plantation shall be completed in the identified 98.38 Ha land area within Plant, residential and administrative areas and around Further, three tier green belt shall be developed in an area of 330.42 ha in a time 6 years from the date of grant of EC in consultation with Forest department/ Gram Panchayat/District Administration all along the periphery of the project and coal transportation route. Thus, total of 428.80 ha area (35.65 % of total project area) will be developed as greenbelt. The remaining 4.35% (35.65%-40%) of green belt development will be done in nearby area as land is not available within the plant, with the help of State Forest Dept. PP shall also adopt Miyawaki plantation technique and plantation with minimum 5m height of the saplings in upcoming monsoon season. The budget earmarked for the green belt, plantation inside and outside the plant area, along the transportation route and Miyawaki Plantation area shall be kept in a separate account and audited annually. PP should annually submit the audited statement of expenditure along with proof of activities viz. photographs (before & after with geolocation date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC and on PARIVESH Portal as the case may be for the activities carried out during previous year.	Three-tier plantation has already been done in 98.38 ha of land. Further in FY 2025-26 following plantation work has been undertaken with status thereof is as follows: 1) 45 Ha of Green belt has been assigned to be developed through State Forest Department, Govt. of Bihar in FY: 2025-26 and the work is completed. 2) Miyawaki plantation awarded vide PO No 4000347136-025 on 28.11.2024, work is completed. 3) Avenue plantations work approx. 2 Ha (20,000 Nos linear plantation) awarded. Work is completed. 4) Plantation work in 22 Ha Forest land. Quotation from DFO (on deposit work basis) has been received. Awarded Vide PO No. 4000375734. Work in progress. To summarize: Out of 428.8 Ha. Greenbelt to be developed, 98.38 Ha. Greenbelt has already been developed till FY 2024-25. Further with addition/completion of above plantation work (Sr No. 1 to 4) in FY 2025-26, total Green cover will become 15.00 % and 25 % with respect to Stage I NSTPP will Adhere to all compliances regarding Greenbelt development in plant premises and outside plant premises. Compliances in this regard will be submitted to MoEF&CC on regular basis.

1.16	Project proponent shall carry out community plantation with incentive scheme by distributing 50,000 saplings per year for a period of five years. Further, PP shall provide basic facilities to the nearby schools such as drinking water, sanitation facilities and shall also develop green belt around the nearby schools. Regular watering of saplings planted in the nearby schools will be carried out by Project Proponent to mitigate the air and noise pollution. Further, PP shall organize quarterly awareness programs for school students to educate them on the significance and preservation of trees.	50,000 saplings will be distributed in FY 2026-27 towards community plantation. Drinking water facilities and sanitation facilities already being developed by NSTPP. As per Distt Admin. directive, NSTPP has planned to install 220 Nos of Hand pump in Aurangabad Distt, for which first instalment has already been deposited to PHED, Aurangabad. **(Photos Attached as Annexure II)** Awareness programs in schools are being organized to educate children about Trees protection SUP etc. **(Photos attached as Annexure III)**
1.17	PP shall strengthen the existing Primary Health Center (PHC) & Community Health Center (CHC) in the study area for better public health as committed. Compliance status in this regard shall be submitted along with the six-monthly compliance to the concerned Regional Office of MoEF&CC.	NSTPP has constructed and handed over 1 no's of PHC at Ankhora in the month of April -2025. Further NSTPP has planned to strengthen the existing PHC & CHC around the plant area in coordination with District Administration for better public health Infrastructure. (**Attached as III-A**)
1.18	Wildlife conservation plan as approved by the competent authority shall be implemented. Additional, budget shall be added in the plan, in case additional measures suggested by state wildlife department. The final Wildlife conservation plan duly approved by the CWLW shall be submitted to RO, MoEF &CC within a time frame of three months from the date of grant of EC and the budget approved by the concerned authority shall be deposited in government account.	Wildlife conservation plan has been prepared and submitted to CWLW, Patna Bihar for approval. After Approval required amount shall be deposited to government account. (**Attached as Annexure IV**)
1.19	Project proponent shall install LED display of air quality (Continuous AAQ monitoring) and stack emission (Continuous emission monitoring) at prominent locations preferably outside the plant's main entrance for public viewing and in	LED display of air quality (Continuous AAQ monitoring) and stack emission (Continuous emission monitoring) will be installed subsequent to commissioning of Stage-II Units.

	administrative complex and maintenance of devices shall be done regularly.	
1.20	Project proponent shall carry out Water Sprinkling on roads inside the plant area/ administrative/ residential areas and outside the plant area at least for 2 KM on a regular basis to control the air pollution. A logbook shall be maintained for the activity and be in six-monthly compliance report.	Water Sprinkling on roads inside the plant area/ administrative/ residential areas and outside the plant area being done on regular basis. **(Photos attached as Annexure V)** Procurement of Truck mounted Mist/Fog cannon for dust suppression at NSTPP has already been initiated with PR no. 0100255788 dated 25.02.2025.
1.21	PP shall deploy vacuum based vehicle for everyday cleaning of the road in and around plant site at least 5 KM.	Proposal for vacuum Based vehicle for road cleaning in and around plant sites is under process. NSTPP will ensure compliances of the same.
1.22	Environment Audit of plant shall be done annually, and report shall be submitted to Regional office of the Ministry.	Noted.
1.23	A detailed action plan regarding leachate handling shall be prepared and implemented in consultation with SPCB and the same shall be submitted to the Regional Office of the Ministry. Leachate shall be treated and reused. No treated leachate shall be discharged in any circumstances. Characteristics of Leachate and the treated leachate shall be monitored once in quarter and records shall be maintained.	Noted.
1.24	Oil and grease recovered from the treatment plant should be disposed only through authorized recyclers.	Noted.
1.25	Monitoring of surface water quality and Ground Water quality shall also be regularly conducted in and around the project site and records to be maintained. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records	Surface and ground water quality are being monitored around the plant premises on regular basis. **Surface water and Ground water quality reports are attached as annexure-VI.** Monitoring data being submitted regularly on Parivesh portal.

	maintained. Monitoring for heavy metals in ground water shall also be undertaken and results/findings submitted along with half yearly monitoring report. The monitored data shall be submitted regularly. on PARIVESH portal as part of Half Yearly compliance report.	
1.26	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Noted.
1.27	PP shall ensure that all types of plastic waste generated from the plant shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016 (as amended). In pursuant to the Ministry's OM dated 18/07/2022. PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of Ministry's Notification published by the Ministry on 12/08/2021. A report along with photograph on the measures taken shall also be included in the six monthly compliance report submitted by PP.	Plastic waste Generated from plant and township area are stored separately in isolated place and same being disposed through nearest co-processing units of NSTPP (M/s Dalmia cement Factory) on regular basis. **(Photos attached as Annexure VII)** Awareness programs are done in NSTPP township, nearby schools and nearby areas on ban of single use plastic. **(Previously attached as annexure-III)**
1.28	PP is advised to implement the 'Ek Ped Maa Ke Naam' Campaign which was launched on 5th June 2024 on the occasion of the World Environment Day to increase the forest cover across the Country. This plantation drive is other than Green belt development. The action in this regard shall be submitted concerned RO in six monthly report.	'Ek Ped Maa Ke Naam' plantation drive has been taken up in the NSTPP plant premises on regular basis. (plantation undertaken on birthday of every employee will be considered as 'Ek Ped Maa Ke Naam' plantation drive). Approximately 1300 saplings (Yoga Day and WED) planted in plant premises as per the said plantation drive. **(Photos attached as Annexure VIII)**
2.1	A vision document comprising prospective plan for implementation of various CER activities, plantation programme outside the project cover	NSTPP has prepared a vision document comprising prospective plan for implementation of various CER activities, plantation programme

	area, rejuvenation and conservation of water bodies within 5 km radius of the project cover area shall be prepared and submitted to the Regional Office of the Ministry within 6 months. Implementation status of the same shall be reported to the Regional Office in 6 monthly compliance report.	outside the project cover area, rejuvenation and conservation of water bodies within 5 km radius of the project cover area and **attached as annexure -IX**
2.2	Epidemiological Study among population within 5 km radius of project cover area shall be carried out on regular interval (Once in two year) through independent agency. Necessary measures shall be taken as per findings of study in consultation with district administration. Action taken report shall be submitted to the Regional Office of the Ministry.	Technical Specification for Epidemiological Study among population within 5 km radius of project cover area has been finalized. PR initiated.
2.3	The budget proposed for PH is Rs. 73.25 Crores. The budget proposed shall be kept in a separate account and audited annually. Project proponent shall implement the following action plan to address the issues raised during public hearing within a time frame of 3 years from the date of grant of EC. PP shall submit the progress report regarding the implementation of action plan to concerned RO along with the six monthly compliance report.	NSTPP has adhered to all the conditions of public hearing as on date and comply the same within stipulated time frame. Present Status of Public hearing Action plan has been prepared **(Attached as Annexure X)**
2.4	The establishment of a robust public grievance redressal mechanism to address concerns and complaints from local communities regarding the power plant's operations, environmental impacts, or social issues shall be developed. A Senior Officer shall review the functioning of the mechanism twice a month.	PIC is operational at NSTPP to address concerns and complaints from local communities regarding the power plant's operations, environmental impacts, or social issues. Senior Officer review being done twice in a month. **(Attached as Annexure XI)**

3. [C] Miscellaneous

S. No	EC Conditions	EC Compliance Report as on 31.03.2026
3.1	An Environmental Cell headed by the Environment Manger with postgraduate qualification in environmental science/environmental engineering, shall be created. It shall be ensured that the Head of the Cell shall directly report to the Head of the Plant who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.	Environment Management Group (EMG) is already functional at site and reporting to Head of Project. **(Attached as Annexure XII)**
3.2	Consent for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	CTE (Consent to Establishment) has already obtained from BSPCB on 08.07.2025. CTE renewed dated 05.05.2026 valid till 04.05.2028 **CTE attached as Annexure XIII**
3.3	All necessary clearance from the concerned Authority, as may be applicable should be obtained prior to commencement of project or activity.	CTE Obtained Airport Clearance for Chimney height NOC Obtained.
3.4	A sub-Committee of the EAC shall visit the site post EC to recommend any further mitigation measures.	Visit awaited

Standard EC Conditions for (Thermal Power Plants)

1. Statutory Compliance

S. No	EC Conditions	EC Compliance Report as on 31.03.2026
1.1	Emission Standards for Thermal Power Plants as per Ministry's Notification S.O. 3305(E) dated 7.12.2015, G.S.R.593(E) dated 28.6.2018 and as amended from time to time shall be complied	Noted.
1.2	Part C of Schedule II of Municipal Solid Wastes Rules, 2016 dated 08.04.2016 as amended from time to time shall be complied for power plants based on Municipal Solid Waste.	Not applicable

1.3	MoEF&CC Notifications on Ash Utilization S.O. 5481 (E) dated 31/12/2021 as amended from time to time shall be complied.	Adherence to all Ash notifications shall be done.
1.4	MoEF&CC Notifications on Water Consumption vide Notification No. S.O. 3305 (E) dated 07.12.2015 read with G.S.R 593 (E) dated 28.6.2018 as amended from time to time shall be complied.	Noted.
1.5	The recommendation from Standing Committee of NBWL under the Wildlife (Protection) Act, 1972 should be obtained, if applicable.	Not applicable
1.6	No Objection Certificate from Ministry of Civil Aviation be obtained for installation of requisite chimney height and its siting criteria for height clearance.	As the site is located at a distance of 79327 m from the Aerodrome reference point of Gaya airport and the requested top elevation is 401 mtrs, the NOC for height clearance is not required from Airports Authority of India as per GSR 751(E). A System Generated Auto Assessment for Height Clearance regarding NOC from Ministry of civil aviation vide dated 10.05.2024 is already obtained and copy **attached as Annexure-XIV**

2. Ash Content/mode Of Transportation Of Coal

S. No	EC Conditions	EC Compliance Report as on 31.03.2026
2.1	MoEF&CC Notification issued vide S.O. 1561 (E) dated 21.05.2020 and as amended from time to time shall be complied which inter-alia include use of coal by Thermal Power Plants, without stipulations as regards ash content or distance, shall be permitted subject to compliance of conditions prescribed under (1) Setting Up Technology Solution for emission norms, (2) Management of Ash Ponds and (3) Transportation.	Noted.

3. Air Quality Monitoring And Management

3.1	Flue Gas Desulphurization System shall be installed based on Lime/Ammonia dosing to capture Sulphur in the flue gases to meet the SO2 emissions standard as per G.S.R. 243 (E) dated 31.03.2021 read with G.S.R. 682 (E) dated 05.09.2022 and amended from time to time.	As per the recommendation of PSA (based on above scientific studies), MoEF &CC has notified amendment on 11.07.2025 where applicability of SO2 emission standards in thermal power plants has been revised based on their location/category. As per the above amendment, Sulphur dioxide emission standards shall not be applicable to all Category C thermal power plants subject to ensuring compliance of stack height criteria notified vide notification number GSR 742 (E), dated the 30th August, 1990(**Attached as Annexure XV**)
3.2	Selective Catalytic Reduction (SCR) system or the Selective Non-Catalytic Reduction (SNCR) system or Low NOX Burners with Over Fire Air (OFA) system shall be installed to achieve NOX emission standard of 100 mg/Nm3.	Regarding NOx emission norms of 100 mg/Nm3 is technically not feasible for units installed after 01st January 2017. Hon'ble Supreme Court has referred the matter to a Joint committee (CAQM, MoEF&CC, CPCB, CEA and NTPC) which is reviewing the norms. Final decision is awaited. If suggested by Committee same shall be implemented in due course of time.
3.3	High efficiency Electrostatic Precipitators (ESPs) shall be installed in each unit to ensure that particulate matter (PM) emission to meet the stipulated standards of 30 mg/Nm3.	Noted.
3.4	Stacks of prescribed height 275 m shall be provided with continuous online monitoring instruments for SO2, Nox and Particulate Matter as per extant rules.	Stack height of 275 m is considered
3.5	Exit velocity of flue gases shall not be less than 20-25 m/s. Mercury emissions from stack shall also be monitored periodically.	Shall be complied during operation stage
3.6	Continuous Ambient Air Quality monitoring system shall be set up to monitor common/criteria pollutants from the flue gases such as PM10, PM2.5, SO2, NOX within the plant area at least at one location. The monitoring of other locations (at least three	Noted.

	locations outside the plant area covering upwind and downwind directions at an angle of 120° each) shall be carried out manually	
3.7	Adequate dust extraction/suppression system shall be installed in coal handling, ash handling areas and material transfer points to control fugitive emissions.	**Attached as Annexure XVI**
3.8	Appropriate Air Pollution Control measures (DEs/DSs) be provided at all the dust generating sources including sufficient water sprinkling arrangements at various locations viz., roads, excavation sites, crusher plants, transfer points, loading and unloading areas, etc.	**Already attached in previous Annexure XVI**

4. Noise Pollution And Its Control Measures

S. No	EC Conditions	EC Compliance Report as on 31.03.2026
4.1	The Ambient Noise levels shall meet the standards prescribed as per the Noise Pollution (Regulation and Control) Rules, 2000.	Shall be complied during operation stage.
4.2	Persons exposed to high noise generating equipment shall use Personal Protective Equipment (PPE) like carplugs/ear muffs, etc.	Shall be complied during operation stage
4.3	Periodical medical examination on hearing loss shall be carried out for all the workers and maintain audiometric record and for treatment of any hearing loss including rotating to non- noisy/ less noisy areas.	Shall be complied during operation stage

5. Human Health Environment

S. No	EC Conditions	EC Compliance Report as on 31.03.2026
5.1	Bi-annual Health check-up of all the workers is to be conducted. The study shall take into account of chronic exposure to noise which may lead to adverse effects like increase in heart rate and blood pressure, hypertension and peripheral vasoconstriction and	Noted.

	thus increased peripheral vascular resistance. Similarly, the study shall also assess the health impacts due to air polluting agents.	
5.2	Impact of operation of power plant on agricultural crops, large water bodies (as applicable) once in two years by engaging an institute of repute. The study shall also include impact due to heavy metals associated with emission from power plant.	Study shall be conducted in near future.

6. Water Quality Monitoring and Management

S. No	EC Conditions	EC Compliance Report as on 31.03.2026
6.1	Induced/Natural draft closed cycle wet cooling system including cooling towers shall be set up with minimum Cycles of Concentration (COC) of 5.0 or above for power plants using fresh water to achieve specific water consumption of 3.0 m3/MWhr.	Air cooled condenser will be installed in the place of Induced draft cooling tower. Water consumption will be much lower than the conventional IDCT/NDCT system.
6.2	In case of the water withdrawal from river, a minimum flow 15% of the average flow of 120 consecutive leanest days should be maintained for environmental flow whichever is higher, to be released during the lean season after water withdrawal for proposed power plant.	Noted.
6.3	Records pertaining to measurements of daily water withdrawal and river flows (obtained from Irrigation Department/Water Resources Department) immediately upstream and downstream of withdrawal site shall be maintained.	Noted.
6.4	Regular (at least once in six months) monitoring of groundwater quality in and around the ash pond area including presence of heavy metals (Hg, Cr, As, Pb, etc.) shall be carried out as per CPCB guidelines. Surface water quality monitoring shall be undertaken for major surface water bodies as per the EMP. The data so obtained should be compared with the baseline data so as to ensure that the groundwater and surface water quality is not adversely impacted due to the project & its activities.	Shall be complied during operation stage.

6.5	The treated effluents emanating from the different processes such as DM plant, boiler blow down, ash pond/dyke, sewage, etc. conforming to the prescribed standards shall be re-circulated and reused. Sludge/ rejects will be disposed in accordance with the Hazardous Waste Management	Shall be complied during operation stage
6.6	Hot water dispensed from the condenser should be adequately cooled to ensure the temperature of the released surface water is not more than 5 degrees Celsius above the temperature of the intake water.	Shall be complied during operation stage
6.7	Wastewater generation of 2300 KLD from various sources (viz. cooling tower blowdown, boiler blow down, wastewater from ash handling, etc) shall be treated to meet the standards of pH: 6.5-8.5; Total Suspended Solids: 100 mg/l; Oil & Grease: 20 mg/l; Copper: 1 mg/l; Iron:1 mg/l; Free Chlorine: 0.5; Zinc: 1.0 mg/l; Total Chromium: 0.2 mg/l; Phosphate: 5.0 mg/l;	Shall be complied during operation stage
6.8	Sewage generation of 100 KLD will be treated by setting up Sewage Treatment plant to maintain the treated sewage characteristics of pH: 6.5-9.0; Bio-Chemical Oxygen Demand (BOD): 30 mg/l; Total Suspended Solids: 100 mg/l; Fecal Coliforms (Most Probable Number): <1000 per 100 ml.	Shall be complied during operation stage

7. Risk Mitigation and Disaster Management

S. No	EC Conditions	EC Compliance Report as on 31.03.2026
7.1	Adequate safety measures and environmental safeguards shall be provided in the plant area to control spontaneous fires in coal yard, especially during dry and humid season.	Noted
7.2	Storage facilities for auxiliary liquid fuel such as LDO and HFO/LSHS shall be made as per the extant rules in the plant area in accordance with the directives of Petroleum & Explosives Safety	**Attached as Annexure XVII**

	Organization (PESO). Sulphur Content in the liquid fuel should not exceed 0.5%.	
7.3	Ergonomic working conditions with First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	Noted, shall be followed.
7.4	Safety management plan based on Risk Assessment shall be prepared to limit the risk exposure to the workers within the plant boundary.	Noted, shall be followed.
7.5	Regular mock drills for on-site emergency management plan and Integrated Emergency Response System shall be developed for all kind of possible disaster situations.	Noted, shall be followed

8. Green Belt and Biodiversity Conservation

S. No	EC Conditions	EC Compliance Report as on 31.03.2026
8.1	Green belt shall be developed in an area of 40% of the total project with indigenous native tree species in accordance with CPCB guidelines. The green belt shall inter-alia cover an entire periphery of the plant.	Three-tier plantation has already been done in 98.38 ha of land. Further in FY 2025-26 following plantation work has been undertaken with status thereof is as follows: 1) 45 Ha of Green belt has been assigned to be developed through State Forest Department, Govt. of Bihar in FY: 2025-26 and the work is completed. 2) Miyawaki plantation awarded vide PO No 4000347136-025 on 28.11.2024, work is completed. 3) Avenue plantations work approx. 2 Ha (20,000 Nos linear plantation) awarded. Work is completed. 4) Plantation work in 22 Ha Forest land. Quotation from DFO (on deposit work basis) has been received. Awarded Vide PO No. 4000375734. Work in progress

		To summarize: Out of 428.8 Ha. Greenbelt to be developed, 98.38 Ha. Greenbelt has already been developed till FY 2024-25. Further with addition/completion of above plantation work (Sr No. 1 to 4) in FY 2025-26, total Green cover will become 15.00 % and 25 % with respect to Stage I
8.2	In-situ/ex-situ Conservation Plan for the conservation of flora and fauna should be prepared and implemented.	In-situ/ex-situ Conservation Plan for the conservation of flora and fauna will be initiated for post study. Study for the same is under award stage.

9. Waste Management

S. No	EC Conditions	EC Compliance Report as on 31.03.2026
9.1	Solid waste management should be planned in accordance with extant Solid Waste Management Rules, 2016.	Noted
9.2	Toxicity Characteristic Leachate Procedure (TCLP) test shall be conducted for any substance, potential of leaching heavy metals into the surrounding areas as well as into the groundwater.	Noted
9.3	Ash pond shall be lined with impervious liner as per the soil conditions. Adequate dam/dyke safety measures shall also be implemented to protect the ash dyke from getting breached.	Suitable impervious lining as per actual site conditions meeting the impervious requirements as per "CEA and CPCB guidelines for construction, O&M and annual certification of coal ash ponds-June 2023" shall be ensured.
9.4	Fly ash shall be collected in dry form and ash generated shall be used in phased manner as per provisions of the Notification on Fly Ash Utilization issued by the Ministry S.O. 5481 dated 31.12.2021, S.O.6169 (E) dated 30.12.2021, S.O.05 (E) dated 01.01.2024 and amendment thereto.	Noted, shall be Adhered.
9.5	Unutilized ash shall be disposed off in the ash pond in the form of High Concentration Slurry/Medium	Noted, shall be Adhered.

	Concentration Slurry/Lean Concentration Slurry method. Ash water recycling system shall be set up to recover supernatant water.	

10. Monitoring Of Compliance

S. No	EC Conditions	EC Compliance Report as on 31.03.2026
10.1	Environmental Audit of the project be taken up by the third party for preparation of Environmental Statement as per Form-V & Conditions stipulated in the EC and report be submitted to the Ministry.	Noted.
10.2	Resettlement & Rehabilitation Plan as per the extant rules of Govt. of India and respective State Govt. shall be followed, if applicable.	Noted.
10.3	Energy Conservation Plan to be implemented as envisaged in the EIA / EMP report. Renewable Energy Purchase Obligation as set by MoP/State Government shall be met either by establishing renewable energy power plant (such as solar, wind, etc.) or by purchasing Renewable Energy Certificates.	Noted.
10.4	Energy and Water Audit shall be conducted at least once in two years and recommendations arising out of the Report should be followed. A report in this regard shall be submitted to Ministry's Regional Office.	Noted and shall be implemented.
10.5	The project proponent shall (Post-EC Monitoring): a. send a copy of environmental clearance letter to the heads of Local Bodies, Panchayat, Municipal bodies and relevant offices of the Government; b. upload the clearance letter on the web site of the company as a part of information to the general public. c. inform the public through advertisement within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with	a) Copy of EC letters have been sent to local bodies and Government offices. Attached **as annexure-XVIII** b) EC Letter has been attached in company website vide https://ntpc.co.in/about-us/corporate-functions/environment/environment-policy-management c) Public Information has been given to through local papers same as **attached as annexure -XIX**

	the SPCB and may also be seen at Website of the Ministry of Environment, Forest and Climate Change (MoEF&CC) at http://parivesh.nic.in. d. upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same periodically; e. monitor the criteria pollutants level namely; PM (PM10& PM2.5 incase of ambient AAQ), SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company; f. submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB; g. submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company; h. Inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project and the date of commencement of the land development work.	d) Status of compliance shall be uploaded on NTPC website and will be updated periodically. e) Monitoring Report along with the EC Compliance report will be uploaded on NTPC webpage periodically. Pollutants level will be displayed at a convenient location for disclosure to the public at site. f) Last EC Compliance submitted on 31.12.2025. g) Environmental statement shall be prepared, as prescribed under the Environment (Protection) Rules, 1986 during operation stage. h) Approval from NTPC Board has been accorded to the project on 25.11.2024 and commencement of the land development work was started on 15.07.2025

11. Corporate Environmental Responsibility (CER) Activities

S. No	EC Conditions	EC Compliance Report as on 31.03.2026
11.1	CER activities will be carried out as per Ministry's OM F.No.22- 65/2017- IA.III dated 30th September, 2020 and 22-65/2017- IA.III dated 25.02.2021 or as proposed by the PP in reference to	Community development plan has been formulated with the recommendation of DM, Aurangabad for amount of Rs. 84.00 crs.

	Public Hearing or as earmarked in the EIA/EMP report along with the detailed scheduled of implementation with appropriate budgeting. Statement on the commitments (activity-wise) made during public hearing to facilitate the discussion on the CER in compliance of the shall be submitted.	Implementation has been started as per local requirement under the head of Education, Drinking water, Health, Infrastructure development, Sports and cultural activities etc. Work has been awarded for 2.26 Cr. and work is under pipeline for award of work is Rs. 4.52 Cr.

R Agrawal
AGM (TS & EMG)

Behera 15/06/2026
(L.K Behera)
ED & Head of Project
Nabinagar Super Thermal Power Project

Status of Recommendations of the Joint Committee for NSTPP , Aurangabad

S.N	Recommendation	Action Plan
1.	Wheel washing system may be installed at the out gate of the Ash Dyke.	In compliance to the recommendation manual wheel washing system has already been installed and operational. Photographs attached as **Annexure-A** Permanent Wheel washing facility :Pipe laying work completed , Civil work (sump and drain works under progress)
2.	The connecting road between Highway and Ash dyke should be made up of RCC.	The work of RCC road between Highway and Ash dyke has been completed. **Annexure-1.**
3.	Vehicle transporting Fly Ash may be covered form all sided so that fly ash cannot spillover to environment.	Covering of all Ash transporting vehicles (from all sides) is being ensured. Photograph is attached as **Annexure-2.**
4.	Overload may be stopped.	Overloading of Hywas has been stopped completely and is being ensured.
5.	Mechanical vacuum cleaning system may be in place to clean all RCC roads on regular basis and collected ash may be disposed properly.	Purchase Requisition (PR) vide No.200155143, has been initiated for hiring the services of truck mounted road sweeper at NSTPS & till the same is in place, manual sweeping / scrubbing and water sprinkling on road being ensured on regular basis.
6.	Ensure 100% ash utilization within by next year as per the Environmental Clearance conditions.	NSTPS falls under Category-C. Ash utilization in FY 2025-26 (till March) is 137.28%. Station is committed for 100% Ash utilization for which all potential sectors for Ash utilization is being explored.

Status of recommendations of the Joint Committee for NSTPP , Aurangabad

S N	Recommendation	Action Plan
7.	The unit may ensure Zero Liquid Discharge, no discharge from the Ash Dyke and ensure installation of Oil & Grease section to the ETP as per the requirement.	ZLD system is in place. Scheme is attached as **Annexure-3.** Ash Water Recirculation System (AWRS) is operational. AWRS Pump House **Annexure-4.** Oil & Grease section is operational in ETP. **Annexure-5.**
8.	The unit may ensure maintenance of the water spraying system at Wagon Tippler section and stop unloading till the system put in operation.	Wagon Tippler water spraying system is in operation and regular maintenance is being made for ensuring 100% availability. **Annexure-6.**
9.	Unit may comply specific Condition No. 3, 4, 15, 16, 17, 18, 19 of the Environmental Clearance within one year.	
9.1	(SC-3) Provision for installation of FGD shall be provided for future use.	Installation of FGD in all 03 Units are in progress and the station is committed for its commissioning before the stipulated date. **Annexure-7.**
9.2	(SC-4) High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm3. 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.	Being complied. ESP with high efficiency of 99.97% is in place & operational in all units to maintain PM emission <30 mg/Nm3. **Annexure-8.** The following measures are being taken to control Fugitive dust emission: CHP area: Water sprinkler, pre wetting system & DS in place & operational. AHP area: Water spraying system in silo, Ash Dyke: Water sprinkling network, ponding Others: Green cover, sprinkling in dust prone areas. Dust suppression measures **Annexure-9** **Annexure –9A**

Status of Recommendations of the Joint Committee for NSTPP , Aurangabad

S N	Recommendation	Action Plan
9.3	(SC-15) Utilization of 100% Fly Ash generated shall be made from 4th year of operation. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.	NSTPS falls in Category-C. 1 3 7 . 2 8 % Ash Utilization done in FY 2025-26 (till Feb -26)and from the next FY onwards target will be >100%. Station is committed to use 100% Ash Utilization.
9.4	(SC-16) 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. 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.	Complied. Dry Fly Ash Extraction system (DAES), with storage facility (Silo 4X525 MT) are in place and operational. Un-utilized fly ash is being disposed through High Concentrated Slurry Discharge (HCSD) and bottom ash through normal slurry mode in the Ash Pond. Monitoring of bottom ash & effluent for heavy metals (As, Hg, Cr, Pb etc.) is being done on quarterly basis through a third party. **Annexure-10**
9.5	(SC-17) Ash Pond shall be lined with HDP/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 implemented to protect the ash dyke from getting breached.	03 nos. Lagoons are there for Ash disposal. Lagoon#1 & 2: HCSD lining provided. Lagoon# 3: Bentonite clay layer at base provided. Adequate safety measures like regular round the clock monitoring, contract for attending observations, implementation of observations of cross function teams, Mock drill, annual audit etc. being done. In addition to the above, Dyke stability is being checked by the institute of repute like IITs, NITs etc. for ensuring dyke safety, on a regular basis. Stability Analysis -**Annexure-11**

Status of Recommendations of the Joint Committee for NSTPP , Aurangabad

S.N	Recommendation	Action Plan
9.6	(SC-18) Disposal of Bottom Ash in abandoned mines (if proposed to be undertaken) shall be carried out only after obtaining permission from DGMS (Directorate General of Mines Safety) and it shall be ensured that the bottom and sides of the mined-out areas are adequately lined with clay before Bottom Ash is filled up. The project proponent shall inform the State Pollution Control Board well in advance before undertaking the activity.	Request Letter has been submitted to M/s CCL for allotment of abandoned mines. **Annexure-12** Station is committed to dispose the ash in the abandoned mines only after obtaining the necessary permissions as deemed fit from the authorities like DGMS / SPCB etc.
9.7	(SC-19) Green Belt consisting of 3 tiers of plantations of native species around plant and at least 100 m width shall be raised. Wherever 100 m 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 75 %.	Green Belt consisting of 3 tiers of plantations of native species with specified tree density around the plant has been developed. **Annexure-13** Native spices planted are: Neam, Peeple, Amla, Jamun, Baheda, Sisam, Gudel, Sagwan, Mahogani, Mango, Guava, Amaltas, Bargad, Gulmahor, Kadam, Chitwan Etc. Till Feb-26, 2,30,049 total nos. of saplings have been planted having survival rate of more than 75%.

Status of Recommendations of the Joint Committee for NSTPP , Aurangabad

S.N	Recommendation	Action Plan
10.	Unit may submit Specific Water Consumption, and Water Balance Report on yearly basis.	Specific water consumption data is being provided regularly to CEA & BSPCB. **Annexure-14** Water balance report is being generated on yearly basis.
11.	Unit may ensure water spraying on all the dusty roads within and outside the premises caused by transportation of fly ash.	08 no's of tractors with water tanker have been engaged for water spraying to control fugitive dust emissions in all the roads within and outside the premises where Fly Ash transportation vehicles are plying. **Annexure-15**
12.	Unit may ensure tree plantation in all vacant land within its premises and other probable places as per the regulations.	Tree plantation in all vacant land within its premises and other probable places have been undertaken and further shall be ensured for increasing their density. Miyawaki method of plantation has also been undertaken thr'u DFO. **Annexure-13**
13.	Unit ensure the implementations of the Solid Waste Management Rules. 2016, the Construction and Demolition Waste management Rules, 2016, the Plastic Waste Management Rules, 2016, the E-waste Management Rules, 2022, the Hazardous and Other Waste (Management, Handling and Trans-boundary Movement) Rules, 2016 and other waste management rules.	All applicable waste management rules is being complied & the returns are being submitted in time with the statutory Authorities. **Annexure-16** Being complied.
14.	System at Effluent Treatment Plant (ETP) having sensor for pH, BOD, COD & TSS.	EQMS is in place in ETP with the provision of online pH, BOD, COD & TSS. **Annexure-17** Being complied

Wheel Washing Facility (Annexure-A)







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Construction of RCC connecting road (Annexure-1)







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Covering of all Ash Transporting Vehicles (Annexure-2)

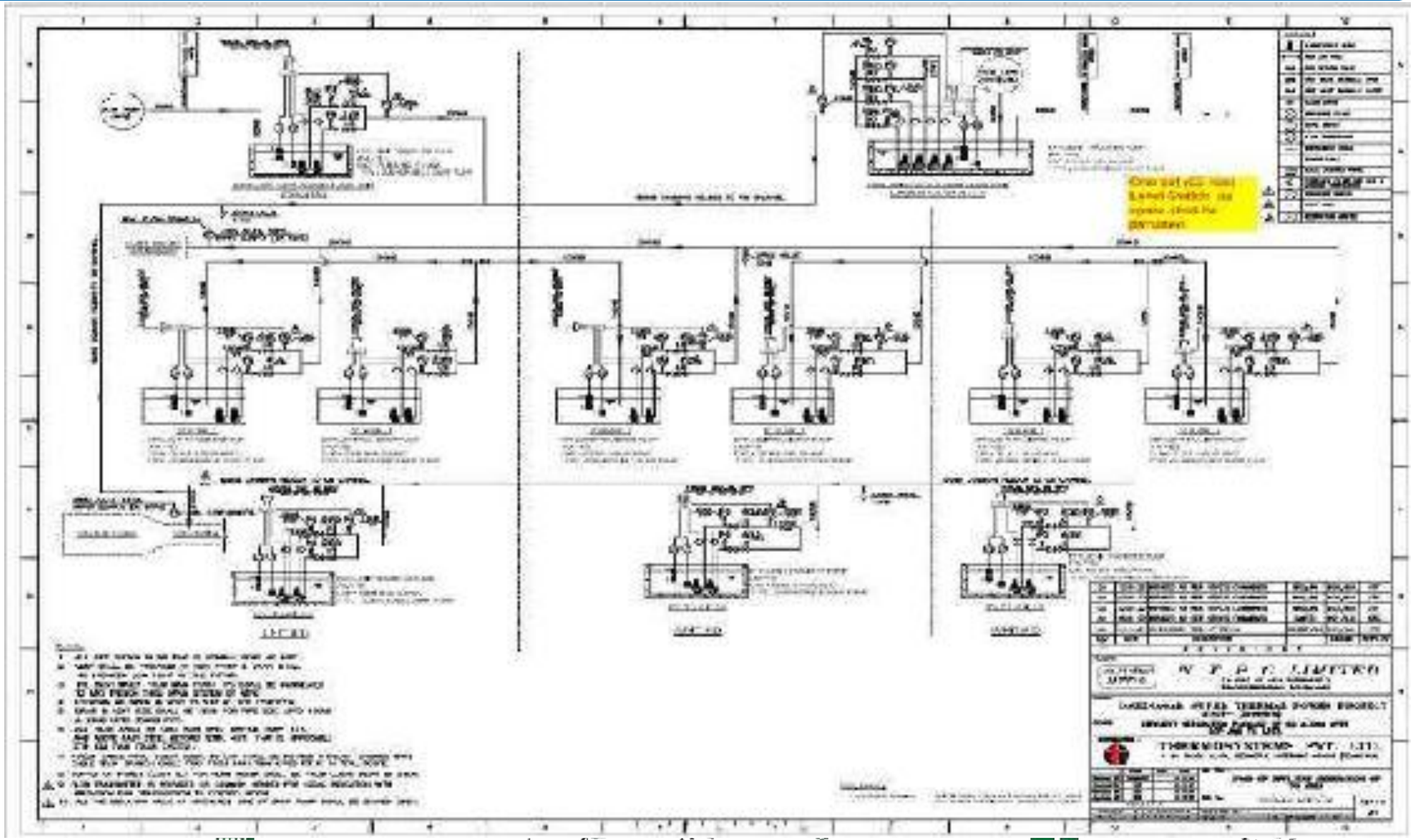






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ZLD Scheme Implemented (Annexure-3)



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AWRS Pump House Annexure-4



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Oil & Grease Skimmer at ETP (Annexure-5)



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Wagon Tippler water spraying system (Annexure -6)









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FGD Installation (Annexure-7)





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ESP Performance (Annexure-8)



Bharat Heavy Electricals Limited
Ranipet – 632 406

TECHNICAL REPORT

PERFORMANCE GUARANTEE TEST
ON
ELECTROSTATIC PRECIPITATOR

REPORT NUMBER	TCS PT:761	PREPARED BY	DINESH KUMAR P R
NUMBER OF PAGES	175	REVIEWED BY	BIBHU ASHISH DASH
TEST PERIOD	JULY-AUGUST 2024	ISSUED BY	JEYAMURUGANANDAM
CUSTOMER	NPGCL		
PLANT	NABINAGAR SUPER THERMAL POWER PROJECT, UNIT # 3- 660 MW		
EQUIPMENT	ELECTROSTATIC PRECIPITATOR		

TEST TEAM

S/Shri KIRAN KERKETTA
MOHAMMAD TANVIR
OS TEAM

SUMMARY:

The performance guarantee test was conducted on the electrostatic precipitator of NPGCL – Nabinagar STPP - Unit-3 (660 MW). The final results are as follows:

- The electrostatic precipitator is designed for collection efficiency of 99.970% corresponding to 18.9 mg/Nm³ emission with all fields in service at TMCR Design coal firing condition.
- The measured collection efficiency at the above firing condition is 99.932% corresponding to 4.0 mg/Nm³ emission.
- The corrected collection efficiency is 99.980% after applying corrections for gas flow variation.
- The final corrected collection efficiency is 99.992% with corrections applied on variations in gas flow, temperature, inlet dust burden and Sulphur % in coal.
- The pressure drop calculated is 9.34 mmWC against guarantee value of 25 mmWC
- The ESP aerona power consumption measured is 156.7 KW against the guaranteed value of 270 KW.

It can be seen from the above results that the ESPs meets the guarantee as per the contract.

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Dust suppression measures (Annexure-9)







Pre-wetting of coal





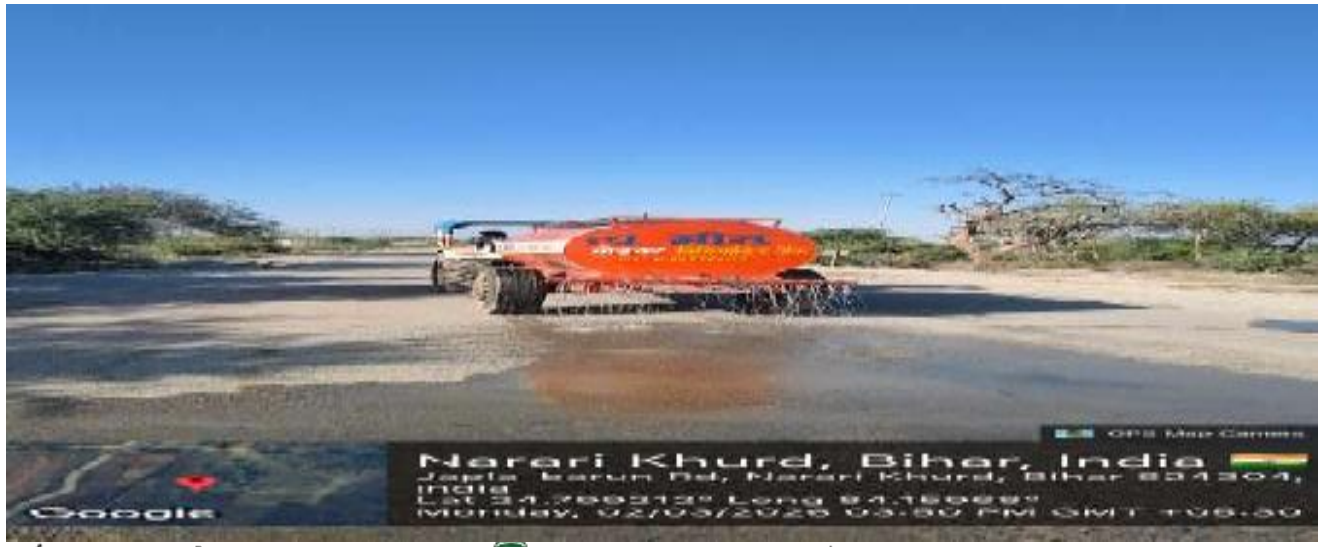
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Dust suppression measures (Annexure-9A)









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Monitoring Report of Bottom Ash & Effluent (Annexure-10)



Vardan Envirolab LLP

Test Report

TEST RESULTS

S. No.	Parameter	Test Method	Result	Unit
1	Arsenic (as As)			
2	Lead (as Pb)			
3	Mercury (as Hg)			
4	Nickel (as Ni)			
5	Cadmium (as Cd)			
6	Selenium (as Se)			
7	Vanadium (as V)			
8	Chromium (as Cr)			
9	Iron (as Fe)			
10	Copper (as Cu)			
11	Zinc (as Zn)			
12	Manganese (as Mn)			

Page 1 of 1

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Vardan Envirolab LLP

Test Report

S. No.	Parameter	Test Method	Result	Unit	Limits as per IS:10500:2012	
					Drinking water without alternate source	Permissible limit in the absence of alternate source
1.	pH					
2.	Temperature					
3.	Electrical Conductivity					
4.	Turbidity					
5.	Total Hardness as CaCO3					
6.	Total Suspended Solids					
7.	Dissolved Oxygen					
8.	BOD (3 Days @ 27°C)					
9.	Chemical Oxygen Demand					
10.	Ammonia					
11.	Chlorides					
12.	Sulphate as SO4					
13.	Oil & Grease					
14.	Phenolic compounds					
15.	Sulphide					
16.	Fluoride as F					
17.	Total Residual Chlorine					
18.	Nitrate as NO3					
19.	Cyanide as CN					

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Ash Pond Stability (Annexure-11)

भारतीयप्रौद्योगिकीसंस्थानहैदराबाद
कंडी - ५०२२८५, संगारेड्डी, तेलंगाना,भारत
फोन : (०४०) २३०१ ६०३३, फैक्स : (०४०) ६००३ / ३२
Indian Institute of Technology Hyderabad
Kandi – 502285, Sangareddy, Telangana, INDIA
Phone: (040) 2301 6033, Fax: (040) 2301 6003 /32

Date: 08.07.2024

From:
Dr B Umashankar
Professor
Department of Civil Engineering
IIT Hyderabad

To:
GM (O&M)
NSTPS Nabinagar

Sub: Report on STABILITY ANALYSIS OF ASH DYKES NSTPS Nabinagar

NSTPS Ref: Purchase Order No.: 4000324114-026-1035 Date: 19.01.2024
Dear Sir:

This has reference to NSTPS Nabinagar Order No : 4000324114-026-1035 Date: 19.01.2024 regarding CONSULTANCY SERVICES FOR THIRD PARTY CHECKING OF STABILITY ANALYSIS FOR CHECKING THE HEALTHINESS OF EXISTING ASH DYKES OF NSTPS NABINAGAR.

Please find enclosed the Certificate and Report on the same.

You may feel free to contact me for any clarifications on the same.

Sincerely,

B. Umashankar
Professor
Department of Civil Engineering
IIT Hyderabad
Email: buma@ce.iith.ac.in

भारतीयप्रौद्योगिकीसंस्थानहैदराबाद
कंडी - ५०२२८५, संगारेड्डी, तेलंगाना,भारत
फोन : (०४०) २३०१ ६०३३; फैक्स : (०४०) ६००३ / ३२
Indian Institute of Technology Hyderabad
Kandi – 502285, Sangareddy, Telangana, INDIA
Phone: (040) 2301 6033; Fax: (040) 2301 6003 /32

Date: 08.07.2024

From:
Dr B Umashankar
Professor
Department of Civil Engineering
IIT Hyderabad

To:
GM (O&M)
NSTPS Nabinagar

Sub. Certification of Stability of NSTPS- Nabinagar Ash Dykes

NSTPS Ref: Purchase Order No.: 4000324114 026 1035 Date: 19.01.2024

Dear Sir:

This has reference to NSTPS Nabinagar Order No : 4000324114-026-1035 Date: 19.01.2024 regarding CONSULTANCY SERVICES FOR THIRD PARTY CHECKING OF STABILITY ANALYSIS FOR CHECKING THE HEALTHINESS OF EXISTING ASH DYKES OF NSTPS NABINAGAR

All the items under scope of the work were carried out in an extensive manner as part of this study. A detailed report on the findings of the study is enclosed.

Based on the field visits and analysis, it is certified that the lagoons namely I, II and III, OFL, and water escape and spillway structures are found to be ***Technically and Structurally Stable and Safe***. The remedial measures given in the report may be carried out on a priority basis.

You may feel free to contact me for any clarifications on the same.

Sincerely,

B. Umashankar
Professor
Department of Civil Engineering
IIT Hyderabad
Email: buma@ce.iith.ac.in

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Request Letter to CCL (Annexure-12)

एनटीपीसी लिमिटेड
NTPC Limited

नबीनगर सुपर थर्मल पॉवर स्टेशन
Nabinagar Super Thermal Power Station

Ref: NSTPS/O&M/FM/2024-25/72 Date: 20.12.2024

To,
The General Manager (M&S)
Central Coalfields Limited
Darbhanga House, Ranchi

Sub: Request for allocating CCL abandoned mines for land filling with the ash generated at Nabinagar Super Thermal power plant Aurangabad Bihar.

Respected sir,
NTPC Nabinagar has FSA with CCL for its three 660 MW units. Ash is the major part of waste generated during power generation in coal based power plants. Domestic coal is having approximately 40% of ash content and NTPC Nabinagar consumes approx. 30,000 MT of coal per day. And thus generates approx. 30000x0.40=12000 MT of ash per day.

As per directives of the Ministry of Environment and Forest, NTPC Nabinagar has to achieve 100% ash utilization. We have tied up with some cement industries and with some road construction projects for ash utilization, but their limited requirement of ash is not fulfilling our 100% ash utilization targets as mandated by MoEF&CC.

In view of the above, it is our humble request to allocate some abandoned mines in CCL for filling it with ash. This will help us in meeting 100% ash utilization target and also landfilling of used mines will also be achieved.

Your co-operation is highly solicited in this regard.

With regards,

Ajit Rajak
Additional General Manager
Fuel Management Department
Nabinagar STPS, Aurangabad

Project Office: Nabinagar Super Thermal Power Station, Shivarpur P.O. Adhinagar Dist: Aurangabad Bihar-824304
Registered Office : NTPC Bhawan, SCOPE Complex, 7, Institutional Area, Lodi Road, New Delhi-110003
CIN : L40101DL1975GOI007966

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Tree Plantation (Annexure-13)











[Back Slide no;4](#)

[Back Slide no;5](#)

Specific Water Consumption Report (Annexure-14)

As per bil		
Monthly Water Consumption FY 2025-2026		
Station	NTPC Nabinagar	
Capacity	1980 MW	

Monthly Water Consumption for FY-2025-26

Sr No	Month	Monthly Water Withdrawal from Natural Source River /lake (m3)	Monthly Actual Industrial Water Consumption (m3)	Monthly Actual Township Water Consumption (m3)	Monthly Actual Gross Generation (MU)	PLF (%)	SWC Withdrawal (m3/MWh)	SWC (Consumption-Industrial) (m3/MWh)
1	Apr'25	2580029	2556572	33457	1143.17	80.19	2.27	2.24
2	May'25	2650752	2615042	35710	1091.52	74.10	2.43	2.40
3	June'25	2405635	2370868	34737	886.26	62.17	2.71	2.68
4	July'25	2735518	2701640	33878	1203.05	82.01	2.26	2.24
5	Aug'25	2650820	2616322	34498	1204.11	81.74	2.20	2.17
6	Sept'25	2109219	2071664.25	37555	1147.62	80.50	1.84	1.81
7	Oct'25	2568438	2530745	37693	1097.52	74.90	2.34	2.31
8	Nov'25	2252948	2219188	33761	1055.60	74.12	2.13	2.10
9	Dec'25	1643105	1606617	36488	867.34	58.86	1.89	1.85
10	Jan'26	2109638	2075715	33924	958.53	65.07	2.20	2.17
11	Feb'26	2865698	2769108	26585	1118.19	84.11	2.56	2.56
12	March'26	2947138	2913250	33859	1153.17	78.28	2.56	2.53
Total	Total	29558886	29,145,731	413,155	12,932.87	71.56	2.29	2.25

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Water sprinkling on road through tankers (Annexure -15)







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Statutory Waste Returns (Annexure-16)



FORM-VIII

[See rule 13(2)(ii)]

FORM FOR HALF YEARLY RETURNS FOR USED OIL CONSUMER OF BATTERIES

[To be submitted by the bulk consumers to the State Board on 30th June for the period October-March and 31st December [for the period April-September] every year]

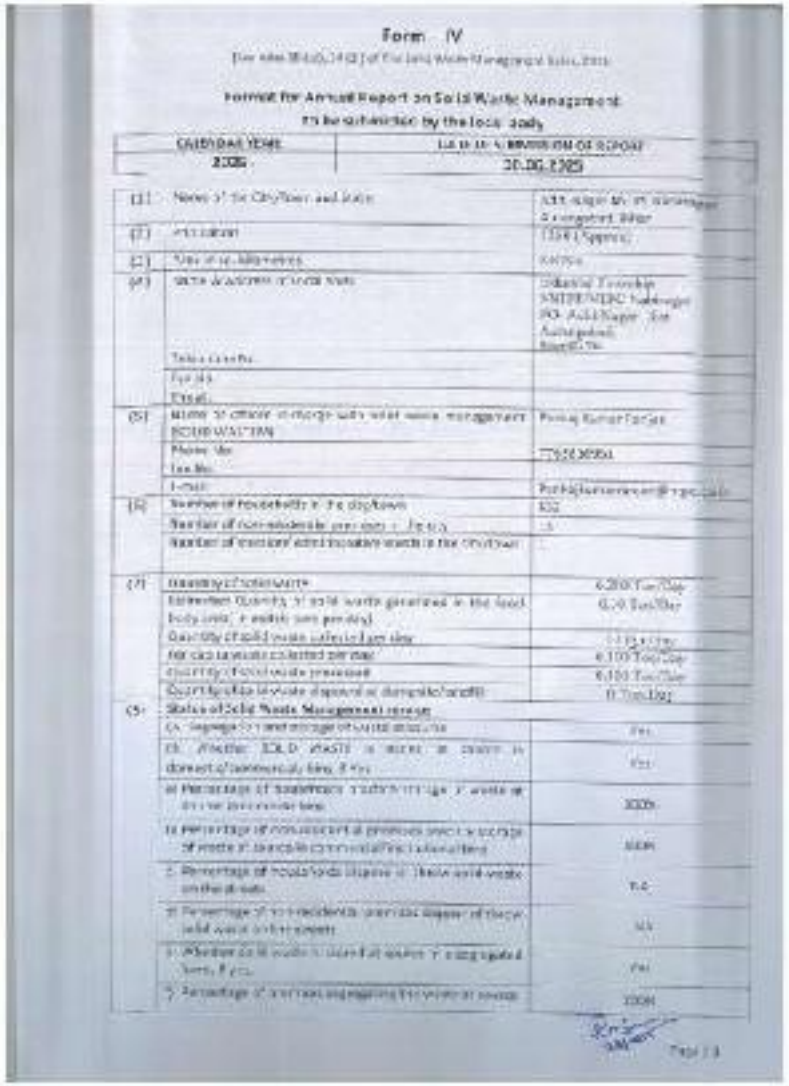
Period: April - 2025 to Sep 2025.

1.	Name and Address of the bulk consumer	Nabinagar Super Thermal Power Project (NSTPP), P.O.- Nabinagar Jaitpur(via) Nabinagar, Dist.- Aurangabad, Bihar 824304
2.	Name of the Authorized person and Particulars with telephone and fax number.	Rajendra Agrawal, AGM(C&MM) PC: Ashish Nagar (Mohanpur-Nabinagar), Aurangabad, Bihar-824304 Mob: 9431688889
3.	Number of new batteries of different categories purchased from the manufacturer/importer/dealer or any other agency during Apr-2025 to Sep-2025. Category: (i) Automobiles (a) four wheelers (b) two wheelers (ii) Industrial (a) UPS (b) Motive Power (c) Stand-by (iii) Others	a- No. of new batteries of different categories (used Acid): 11 b- Total weight of new batteries of different categories (used acid): 1.1 MT approx.
4.	Number of used batteries of categories mentioned in Sl. No. 3 sold/ exchange at scrap yard to manufacturer/dealer/ importer/registered recycler/or any other agency to whom the used batteries scrap is to be sold*.	Total number of used batteries of different type and size (used Acid): 12 To be sold: 17 Nos. – 150AH & 3 Nos.- 200 AH Total weight of used batteries of different type and size (used Acid): 0.900 MT (To be sold)

* Enclose list of manufacturers/dealers/importer/registered recycler/or any other agency to whom the used batteries could be sold.

Place: NTPC Nabinagar
Date:

Signature of the authorized person



Form - IV

[See rules 9(1)(b), 9(2) and 9(3) of the Solid Waste Management Rules, 2016]

Format for Annual Report on Solid Waste Management

To be submitted by the local body

CALENDAR YEAR	DATE OF SUBMISSION OF REPORT
2025	30.06.2025

(1)	Name of the City/Town and State	ADB Nagar M/o NTPC Aurangabad, Bihar
(2)	Area (sq km)	13.61 (Approx)
(3)	Year of establishment	2016
(4)	Name & address of local body	Industrial Township NTPC/NTPC Nabinagar PO- Ashi Nagar Dist Aurangabad, Bihar Pin
	Telephone No.	
	Fax No.	
	Email	
(5)	Name of officer in-charge with solid waste management (MOIC/SWM/ETC)	Pankaj Kumar Sarkar
	Phone No.	7352830551
	Fax No.	
	E-mail	
(6)	Number of households in the city/town	600
	Number of non-residential premises in the city/town	5
	Number of important educational centres in the city/town	
(7)	Quantity of solid waste	6.200 Ton/day
	Estimation Quantity of solid waste generated in the local body limits in metric tons per day	6.0 Ton/Day
	Quantity of solid waste collected per day	6.200 Ton/day
	Quantity of solid waste collected per year	6.100 Ton/day
	Quantity of solid waste processed	6.100 Ton/day
	Quantity of solid waste disposed at dumpsite/landfill	0 Ton/day
(8)	Status of Solid Waste Management system	
	(a) Segregation and storage of waste at source	Yes
	(b) Whether SOLID WASTE is stored in closed or covered containers in domestic/commercial area	Yes
	(c) Percentage of households covered by door to door collection of waste	100%
	(d) Percentage of non-residential premises covered by storage of waste in segregated commercial/institutional containers	100%
	(e) Percentage of households dispose of their solid waste on the public road	Nil
	(f) Percentage of non-residential premises dispose of their solid waste on the public road	Nil
	(g) Whether all waste is collected in covered vehicles having separate bins, if yes	Yes
	(h) Percentage of waste segregated by the waste pickers	100%

Page 1 of 3

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EQMS at ETP (Annexure-17)



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Thank You



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Installation of handpumps for drinking water












GPS Map Camera
Sibanpur, Bihar, India
Q555+xmf, Sibanpur, Bihar 824304, India
Lat 24.759675° Long 84.159372°
Saturday, 29/11/2025 10:45 AM GMT +05:30
Google




राजकीय कृत माध्य शिवनपुर जनता +2 उच्च विद्यालय
GPS Map Camera
Ankorha, Bihar, India
Q547+vwq, Ankorha, Bihar 824101, India
Lat 24.756934° Long 84.164546°
19/05/2025 10:32 AM GMT +05:30
Google




एनटीपीसी
NTPC
नबीनगर
एन.टी.पी.सी. नबीनगर के
"सामुदायिक विकास कार्यक्रम" योजनान्तर्गत
ग्राम पंचायत- अंकोरहा, प्रखण्ड- नबीनगर, जिला- औरंगाबाद में
"ऑक्सिकन प्राथमिक स्वास्थ्य केन्द्र"




DISPENSARY


अतिरिक्त प्राथमिक
स्वास्थ्य केंद्र अंकोरहा
सौजन्य : एबटी पी सी नबीनगर

एनटीपीसी
NTPC

एन टी पी सी लिमिटेड
(भारत सरकार का उपक्रम)
NTPC Limited
(A Govt. of India Enterprise)
(Formerly National Thermal Power Corporation Ltd.)

Nabinagar

Ref.No:NS:TPS/EMG/2025/05 Date: 13.01.2025

To,
Principle Chief Conservator of Forest Cum
Chief Wildlife Warden,
Aranya Bhawan, Patna, Bihar.

Sub : Submission of Wildlife Conservation Plan for approval/execution, & further for submission to MoEF & CC for accord of Environmental Clearance of Nabinagar STPP Stage-II (2X800 MW)

Ref.: No.: TOR Identification no. EC24A060HR5124391N, Dated 15.04.2024.
Letter submitted to DFO, Aurangabad & DFO, Sasaram-cum-02/pc/24

Dear Sir,

Ministry of Environment, Forests and Climate Change (MoEF&CC) had accorded Terms of References (TOR) for Expansion of Nabinagar Super Thermal Power Project, Stage-II, 3X800 MW in an area of 1202.88 Ha (existing) at Village Akorha, Bughi, Mehsi etc., Sub District Nabinagar and Bansi, District: Aurangabad, Bihar Vide TOR Identification No. EC24A060HR5124391N, Dated 15.04.2024 (Copy enclosed as Annexure-I).

As per the TOR Condition No.I.ix) "I.(A) Environmental Management and Biodiversity Conservation which state that "A Wild life conservation plan shall be prepared , in consultation with the state forest and wild life authorities , with adequate funds for wild life habitat management , preserving wild life and its corridors and submitted along with the EIA/EMP report. Human wild life conflict issues shall be studied and such incidences reported in the study area during last 10 years shall be submitted. No provision for purchasing the vehicles shall be made in the wildlife conservation plan."

In view of the above, a Wildlife Conservation Plan has been prepared from our end and the same is being submitted along with this letter as annexure-II, for your approval. Post approval of Wildlife Conservation Plan, it is requested to provide Execution Plan of wildlife conservation for its onward submission to MoEF & CC for accord of Environmental Clearance of Nabinagar STPP Stage-II (2X800 MW).

Yours Faithfully,

(Rajiv Lal Agrawal)
Add. General Manager (TS/EMG)

Encl.: 1. TOR
2. Wildlife Conservation Plan

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नबीनगर / Nabinagar

Ref.No NSTPS/EMG/2025/09/03 Date:23.09.25

To,
District Forest Officer
Deptt. of Forest
Sasaram (Bihar)

Sub.: Submission of revised wildlife conservation plan for approval/execution in Compliance to Environmental Clearance of Nabinagar STPP Stage-II, (3X800 MW)

Ref.: No.: 1.TOR Identification no. TO24A0601BR5124391N, Dated 15.01.24.
2.EC Stage-II NSTPP Nabinagar Condition no.1.18 (Environment Management Plan)
3.DFO Sasaram letter vide Letter Ref no. 1513 dated 24.04.25 (Revised Wildlife Conservation plan for Rohtas forest Division)

Dear Sir,

Ministry of Environment, Forests and Climate Change (MoEF&CC) had accorded Terms of References (TOR) for Expansion of Nabinagar Super Thermal Power Project, Stage-II, 3X800 MW in an area of 1202.88 Ha (existing) at Village Akorha, Baghi, Mehi and etc. Sub District Nabinagar and Barun, District Aurangabad, Bihar Vide TOR Identification No. TO24A0601BR5124391N, Dated : 15.04.2024.

As per the TOR Condition No.1.2 of 1.[A] Environmental Management and Biodiversity Conservation which state that "A Wildlife conservation plan shall be prepared, in consultation with the state forest and wildlife department, with adequate funds for wildlife habitat management, preserving wildlife and its corridors and submitted along with the EIA/ EMP report. Human -wildlife conflict issues shall be studied and such incidences reported in the study area during last 10 years shall be submitted. No provision for purchasing the vehicles shall be made in the wildlife conservation plan."

With reference to the above subject work, NSTPP had already submitted wildlife conservation plan for approval /execution of the same to DFO office on 08.10.2024. Subsequently, during visit to DFO office, Sasaram on 24.02.2025, it was advised that some portion of wildlife conservation plan of Sasaram /Rohtas forest division to be revised considering requirement of respective forest division/site condition.

As per EC Condition no. 1.18of 1.[A] Environmental Management which Stated that "Wildlife conservation plan as approved by the competent authority shall be implemented. Additional budget shall be added in the plan in case additional measures suggested by state wildlife Department. The final Wildlife conservation plan duly approved by the CWLW shall be submitted to RO, MoEF&CC within a time frame of three months from the date of grant of EC and the budget approved by the concerned authority shall be deposited in government account."

नबीनगर / Nabinagar

In view of above and w.r.t. letter received from DFO Sasaram vide letter Ref no.1313 dated 24.04.2025 (attached as annexure - I) for revised budget allocation for wildlife Conservation plan for Rohtas Forest Division, this is to state that NTPC Ltd has agreed for additional budget allocation as proposed by DFO Sasaram towards implementation of Flora & Fauna conservation and Management plan. Accordingly, the budget allocation for wildlife conservation plan for Sasaram has been revised from Rs 75.60 Lakh to Rs 650 Lakh.

Accordingly, wildlife conservation management plan has been revised and is hereby submitted as annexure-II, for necessary approval.

Post approval of wildlife conservation plan, it is requested to provide an execution plan of wildlife conservation for its onward submission to MoEF&CC for Compliance of Environment condition of Nabinagar STPP Stage-II, 3X800 MW.

Yours Faithfully,

30/04/25

(Brijendra Agrawal)
Add. General Manager(TS-EM/G)

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NTPC Limited

नबीनगर / Nabinagar

Ref.No:NSHPS/EMG/2024/2 Date: 18.03.2024

To
District Forest Officer
Deptt. of Forest
Sasaram (Bihar)

Sub.: Submission of wildlife conservation plan for approval/execution & further for submission to MoEF & CC for accord of Environmental Clearance of Nabinagar STPP Stage-II, (3X800 MW)

Ref.: No.: TOR Identification no. TO24A0601BR5124391N, Dated 15.04.2024.

Dear Sir,

Ministry of Environment, Forests and Climate Change (MoEF&CC) had accorded Terms of References (TOR) for Expansion of Nabinagar Super Thermal Power Project, Stage-II, 3X800 MW in an area of 1202.88 Ha (existing) at Village Amsorha, Baghi, Mehsi etc. in Block Nabinagar and Banun, District: Aurangabad, Bihar, Vide TOR Identification No. TO24A0601BR5124391N, Dated 15.04.2024. (Copy enclosed as **Annexure-I**).

As per the TOR Condition No.I.2 of I.[A] Environmental Management and Biodiversity Conservation which state that "A Wild life conservation plan shall be prepared, in consultation with the state forest and wild life department with adequate funds for wild life habitant management , preserving wild life and its corridors and submitted along with the EIA/ EMP report. Human -wild life conflict issues shall be studied and such incidences reported in the study area during last 10 years shall be submitted. No provision for purchasing the vehicles shall be made in the wildlife conservation plan."

In view of the above, a wildlife conservation plan has been prepared from our end and the same is being submitted along with this letter as annexure-II, for your approval. Post approval of wild life conservation plan it is requested to provide execution plan of wildlife conservation for its onward submission to MoEF & CC for accord of Environmental Clearance of Nabinagar STPP Stage-II, 3X800 MW.

Yours faithfully,

18/03/24

(Brijendra Agrawal)
Addl. General Manager (TS/EMG)

Encl: 1. TOR
2. Wildlife Conservation Plan.

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नबीनगर / Nabinagar

Ref.No:NSTPS/EMG/2024/1 Date: 08.10.2024

To,
District Forest Officer
Deptt. of Forest
Aurangabad (Bihar)

Sub.: Submission of wildlife conservation plan for approval/execution & further for submission to MoEF & CC for accord of Environmental Clearance of Nabinagar STPP Stage-II, (3X800 MW)

Ref.: No.: TOR Identification no. TO24A0601BR5124391N, Dated 15.04.2024.

Dear Sir,

Ministry of Environment, Forests and Climate Change (MoEF&CC) had accorded Terms of References (TOR) for Expansion of Nabinagar Super Thermal Power Project, Stage-II, 3X800 MW in an area of 1202.88 Ha (existing) at Village Ankorhe, Baghi, Mah etc. in Block Nabinagar and Barun, District Aurangabad, Bihar, Vide TOR Identification No. TO24A0601BR5124391N, Dated 15.04.2024. (Copy enclosed as **Annexure-I**).

As per the TOR Condition No.1.2 of I.[A] Environmental Management and Biodiversity Conservation which state that, "A Wild Life conservation plan shall be prepared, in consultation with the state forest and wild life department, with adequate funds for wild life habitat management , preserving wild life and its corridors and submitted along with the EIA/ EMP report. Human wild life conflict issues shall be studied and such incidences reported in the study area during last 10 years shall be summitted. No provision for purchasing the vehicles shall be made in the wildlife conservation plan."

In view of the above, a wildlife conservation plan has been prepared from our end and the same is being submitted along with this letter as annexure-II, for your approval. Post approval of wild life conservation plan it is requested to provide execution plan of wildlife conservation for its onward submission to MoEF & CC for accord of Environmental Clearance of Nabinagar STPP Stage-II, 3X800 MW.

Yours faithfully,

08/10/24

(Brijendra Agrawal)
Add. General Manager (TS/EMG)

Encl.: 1. TOR
2. Wildlife Conservation Plan.

Wheel Washing Facility







Covering of all Ash Transporting Vehicles







Back

Dust suppression measures







Pre-wetting of coal





Back

Fugitive Dust Control Measures

Fugitive dust control at ash dyke and WTs and Coal Piles and hauling roads:

- In a comprehensive approach to environmental stewardship, NTPC Nabinagar has implemented a robust fugitive dust control strategy, focusing on key areas such as the ash dyke and wagon tipplers.













Wagon Tippler water spraying system









Back

Dust suppression measures



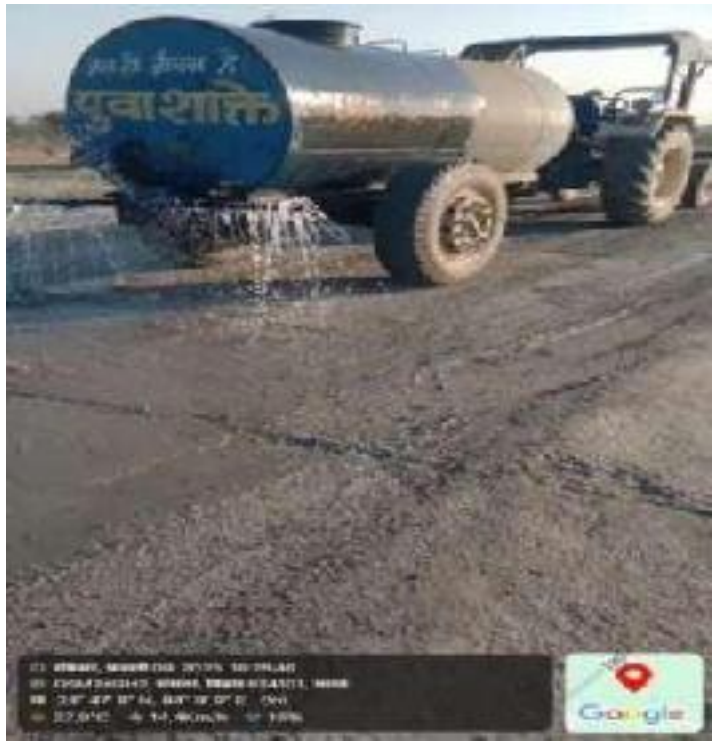






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Water sprinkling on road through tankers







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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/WBI	Report No.:	VEL/W/568/18001
Name & Address of the Project:	M/S Nabinagar Super Thermal Power Station, P.O.: N.B.S. Nagar, Aurangabad, Bihar 824301, India	Payment No.:	7.8.Feb9
		Party Reference No.:	4000434185.057-8019 Dated 28.05.2025
		Reporting Date:	24/01/2026
		Period of Analysis:	19/01/2026 to 24/01/2026
Sample Description:	Ground Water	Receipt Date:	19/01/2026
Sample Location:	Near Auxiliary Boiler	Sampling Date:	19/01/2026
Sample Collected by:	Vardan Envirolab Representative	Sampling Quantity:	2.0 Ltr.
Preservation:	Refrigerated	Sampling Type:	Grab
Sampling and Analysis Protocol:	APHA & IS	Parameter Required:	As per work order

S. No.	Parameter	Test Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS: 3025 (P-11)	7.35	—	6.5 to 8.5	No Relaxation
2.	Temperature	IS:3025 (P-9)	25.1	°C	—	—
3.	Electrical Conductivity	IS: 3025 (P-14)	1246	µS/cm	—	—
4.	Turbidity	IS: 3025 (P-10)	BLQ (LOQ-1.0)	NTU	1	5
5.	Total Dissolved Solids	IS: 3025 (P-16)	851.00	mg/L	500	2000
6.	Total Suspended Solids	IS: 3025 (P-17)	BLQ (LOQ-1.0)	mg/L	—	—
7.	Dissolved Oxygen	IS: 3025 (P-38)	7.2	mg/L	—	—
8.	BOD (3 Days at 27°C)	IS:3025 (P-44)	BLQ(LOQ-2.0)	mg/L	—	—
9.	Chemical Oxygen Demand	APHA, 5220 B Open Reflux Method	BLQ(LOQ-4.0)	mg/L	—	—
10.	P-Alkalinity	IS: 3025 (P-23)	Nil	mg/L	—	—
11.	M-Alkalinity	IS: 3025 (P-23)	99.46	mg/L	—	—
12.	Calcium Hardness	IS: 3025 (P-40)	35.6	mg/L	—	—
13.	Magnesium Hardness	APHA 3500 Mg B	47.45	mg/L	—	—
14.	Total Hardness	IS: 3025 (P-21)	2994	mg/L	200	600
15.	Sodium	IS: 3025 (P-45)	11.79	mg/L	—	—
16.	Potassium	IS: 3025 (P-45)	2.6	mg/L	—	—
17.	Sulphate as SO_4	IS: 3025 (P-24)	58.12	mg/L	200	400
18.	Nitrate as NO_3	IS:3025 (Part-34) Colorimetric Method	BLOQ	mg/L	45	No Relaxation
19.	Fluoride as F	APHA 4500 F D	0.82	mg/L	1.0	1.5

Authorised Signatory

Authorised Signatory
24/01/2026

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- It is hereby declared that the sample has been received in the laboratory in good condition and tested as per the scope of work.
- The test report is for the sample only. Vardan Envirolab is not responsible for any claim or dispute.
- The test results relate only to the parameters tested and to the sample as received.
- Laboratory is not responsible for the misleading information provided by the client which may affect the validity of the test report.
- The report is valid for the sample mentioned in the report.
- Unless otherwise stated, the tests were carried out in the laboratory.
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Customer Care: 8010827845, Ph: 0124-4363730, 9810355569, 9953147263 | E-mail: environment@vardan.co.in, info@vardan.co.in

Vardan Envirolab LLP
Laboratory: Plot No. 8GA, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/W/01			Report No.: VEL/W/QRD/ 0033			
S. No.	Parameter	Test Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
20.	Chloride as Cl	IS: 3025 (P-32)	49.85	mg/L	250	601
21.	Residual Chlorine	IS: 3025 (P-26)	15.32	mg/L	--	--
22.	Sulphide as Sulfur	IS: 3025 (P-29)	1.35	mg/L	--	--
23.	Total Organic Carbon	IS:3025 (P-59)	0.69	mg/L	--	--
24.	Fluoride	VEL/W/STP-20, Issue No.: 01, 01/11/2023-30/11/2023	BLQ(LOQ-0.03)	mg/L	1.0	1.5
25.	Iron as Fe	VEL/W/STP-26, Issue No.: 01, 01/11/2023-30/11/2023	BLQ(LOQ-0.03)	mg/L	1.0	No relaxation
26.	Copper as Cu	VEL/W/STP-26, Issue No.: 01, 01/11/2023-30/11/2023	BLQ(LOQ-0.003)	mg/L	0.05	1.5
27.	Zinc as Zn	VEL/W/STP-26, Issue No.: 01, 01/11/2023-30/11/2023	0.24	mg/L	5	15
28.	Manganese as Mn	VEL/W/STP-03, Issue No.: 01, 01/11/2023-30/11/2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3
29.	Nickel as Ni	VEL/W/STP-03, Issue No.: 01, 01/11/2023-30/11/2023	BLQ(LOQ-0.002)	mg/L	0.02	No relaxation
30.	Arsenic as As	VEL/W/STP-03, Issue No.: 01, 01/11/2023-30/11/2023	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
31.	Vanadium as V	VEL/W/STP-03, Issue No.: 01, 01/11/2023-30/11/2023	BLQ(LOQ-0.002)	mg/L	--	--
32.	Lead as Pb	VEL/W/STP-03, Issue No.: 01, 01/11/2023-30/11/2023	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
33.	Chromium as Cr^{+3}	IS:3025 (P-52)	BLQ(LOQ-0.06)	ug/L	--	--
34.	Chromium as Cr^{+6}	IS:3025 (P-52)	BLQ(LOQ-0.39)	ug/L	--	--
35.	Selenium as Se	VEL/W/STP-03, Issue No: 01, 01/11/2023-30/11/2023	BLQ(LOQ-0.003)	mg/L	0.01	No Relaxation
36.	Cadmium as Cd	VEL/W/STP-03, Issue No: 01, 01/11/2023-30/11/2023	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
37.	Mercury as Hg	VEL/W/STP-03, Issue No: 01, 01/11/2023-30/11/2023	BLQ(LOQ-0.0030)	mg/L	0.001	No Relaxation
38.	Total Chromium as Cr	VEL/W/STP-03, Issue No: 01, 01/11/2023-30/11/2023	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
39.	Total Coliform	IS:1622	22	MPN/100ml	--	--
40.	E. Coli	IS:15185:2016	Absent	Per 100ml	Shall not be detectable in any 100 ml sample	

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

*** End of Report ***

NITIN KUMAR
Sr. Manager

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
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Test Report

Sample Number:	[illegible]	Report No.:	VEL/[illegible]
Name & Address of the Project:	M/s Nahingar Super Thermal Power Station, P.O.-Adhi Nagar, Aurangabad, Bihar-824206, India	Format No.:	[illegible]
		Work Reference No.:	[illegible] Dated 30.05.2024
		Reporting Date:	24/01/2026
		Period of Analysis:	19/01/2026 to 24/01/2026
Sample Description:	Ground Water	Receipt Date:	19/01/2026
Sample Location:	Sweet Yard	Sampling Date:	15/01/2026
Sample Collected by:	Vardan Envirolab Representative	Sampling Quantity:	2.0 Ltr.
Preservation:	Refrigerated	Sampling Type:	Grab
Sampling and Analysis Protocol:	APHA & IS	Parameter Reported:	As per mark under

S. No.	Parameter	Test/Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS: 3025 (P-11)	7.19	–	6.5 to 8.5	No Relaxation
2.	Temperature	IS:3025 (P-9)	26.2	°C	–	–
3.	Electrical Conductivity	IS: 3025 (P-14)	726	µS/cm	–	–
4.	Turbidity	IS: 3025 (P-10)	BLQ(LOQ-1.0)	NTU	1	5
5.	Total Dissolved Solids	IS: 3025 (P-16)	459.00	mg/L	500	2000
6.	Total Suspended Solids	IS: 3025 (P-17)	BLQ	mg/L	–	–
7.	Dissolved Oxygen	IS: 3025 (P-38)	7.2	mg/L	–	–
8.	BOD (3 Days at 27°C)	IS 3025 (P-44)	BLQ(LOQ-2.0)	mg/L	–	–
9.	Chemical Oxygen Demand	APHA 5220 B Open Reflux Method	BLQ(LOQ-4.0)	mg/L	–	–
10.	Alkalinity	IS 3025 (P-23)	321	mg/L	–	–
11.	M-Alkalinity	IS 3025 (P-23)	321	mg/L	–	–
12.	Calcium Hardness	IS:3025 (P-40)	157.2	mg/L	–	–
13.	Magnesium Hardness	APHA 3500 Mg B	85.37	mg/L	–	–
14.	Total Hardness	IS: 3025 (P-21)	242.54	mg/L	200	600
15.	Sodium	IS: 3025 (P-45)	3.1	mg/L	–	–
16.	Potassium	IS: 3025 (P-45)	1.5	mg/L	–	–
17.	Sulphate as SO_4	IS: 3025 (P-24)	43.2	mg/L	200	400
18.	Nitrate as NO_3	IS 3025 (Part-34) Cadmium reduction Method	35.01	mg/L	45	No Relaxation
19.	Fluoride as F	APHA 4500 F- C	0.35	mg/L	1.0	1.5

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Test Report

Sample Number: VEL/W/02			Report No.: VEL/W/25010/002			
S.No.	Parameter	Test Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable Limit)	Permissible Limit in the absence of Alternate Source
20.	Chloride as Cl	IS:3025 (P-32)	53.46	mg/L	250	1000
21.	Residual Free Cl	IS:3025 (P-26)	1.65	mg/L	--	--
22.	Dissolved Silica	IS:3025 (P-35)	1.1	mg/L	--	--
23.	Total Organic Carbon	IS 3025 (P 44)	8.27	mg/L	--	--
24.	Boron	VEL/W/STP-03, Issue No. 01, 01/12/2023:2023	BLQ(LOQ-0.01)	mg/L	0.5	2.4
25.	Iron as Fe	VEL/W/STP-09, Issue No. 01, 01/12/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
26.	Copper as Cu	VEL/W/STP-05, Issue No. 01, 01/12/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	1.5
27.	Zinc as Zn	VEL/W/STP-10, Issue No. 01, 01/12/2023:2023	0.32	mg/L	5	15
28.	Manganese as Mn	VEL/W/STP-10, Issue No. 01, 01/12/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3
29.	Nickel as Ni	VEL/W/STP-25, Issue No. 01, 01/12/2023:2023	BLQ(LOQ-0.005)	mg/L	0.07	No Relaxation
30.	Arsenic as As	VEL/W/STP-23, Issue No. 01, 01/12/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
31.	Vanadium as V	VEL/W/STP-39, Issue No. 01, 01/12/2023:2023	BLQ(LOQ-0.005)	mg/L	--	--
32.	Lead as Pb	VEL/W/STP-08, Issue No. 01, 01/12/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
33.	Chromium as Cr^{6+}	IS:3025 (P-52)	BLQ(LOQ-0.50)	mg/L	--	--
34.	Chromium as Cr^{6+}	IS:3025 (P-52)	BLQ(LOQ-0.50)	mg/L	--	--
35.	Selenium as Se	VEL/W/STP-40, Issue No. 01, 01/12/2023:2023	BLQ(LOQ-0.01)	mg/L	0.01	No Relaxation
36.	Cadmium as Cd	VEL/W/STP-03, Issue No. 01, 01/12/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
37.	Mercury as Hg	VEL/W/STP-08, Issue No. 01, 01/12/2023:2023	BLQ(LOQ-0.001)	mg/L	0.001	No Relaxation
38.	Total Coliform as CFU	VEL/W/STP-06, Issue No. 01, 01/12/2023:2023	BLQ(LOQ-0.0002)	mg/L	0.00	No Relaxation
39.	Total Coliform	IS 1622	14	MPN/100ml	--	--
40.	E. Coli	IS: 5887(P-5)	Absent	Per 100ml	Shall not be detectable in any 100 ml sample	

Note: BLQ-Below Limit of Quantitation, LOQ-Limit of Quantitation, STP-Vendor Testing Procedure

End of Report

NITIN KUMAR
Sr. Manager

Chief Executive Officer

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
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Test Report

Sample Number:	VEL/W/00	Report No.:	VEL/W/26011/0103
Name & Address of the Project:	M/s Nabinagar Power Generating Company (NPGC) Bihar, P.O.-Ambhora Railway Station, Bihar Aurangabad, Bihar 824303, India	Format No.:	7.8.F-83
		Party Reference No.:	4600048137-377-0015 Dated:29.08.2025
		Reporting Date:	24/01/2026
		Period of Analysis:	19/01/2026 to 24/01/2026
Sample Description:	Ground Water	Receipt Date:	19/01/2026
Sample Location:	Main Gate Area	Sampling Date:	19/01/2026
Sample Collected by:	Vardan Envirolab Representative	Sampling Quantity:	2.0 Ltr
Preservation:	Refrigerated	Sampling Type:	Grab
Sampling and Analysis Protocol:	APHA & IS	Parameter Required:	As per work order

S. No	Parameter	Test Method	Result	Unit	Limits of IS:10500:2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS: 3025 (P-11)	7.49	--	6.5 to 8.5	No Relaxation
2.	Temperature	IS:3025 (P-9)	24.6	°C	--	--
3.	Electrical Conductivity	IS: 3025 (P-14)	775	µS/cm	--	--
4.	Turbidity	IS: 3025 (P-10)	BDL(LOQ-1.0)	NTU	1	5
5.	Total Dissolved Solids	IS: 3025 (P-16)	504	mg/L	500	2000
6.	Total Suspended Solids	IS: 3025 (P-17)	8.25	mg/L	--	--
7.	Dissolved Oxygen	IS: 3025 (P-38)	5.9	mg/L		
8.	BOD(3 Days at 27°C	IS 3025 (P-44)	BDL(LOQ-2.0)	mg/L	--	--
9.	Chemical Oxygen Demand	APHA, 23rd Ed. Open Reflux Method	BDL(LOQ-4.0)	mg/L	--	--
10.	Alkalinity	IS: 3025 (P-51)	340	mg/L	--	--
11.	Al-Alkalinity	IS: 3025 (P-51)	BDL(LOQ-4.0)	mg/L	--	--
12.	Calcium Hardness	IS: 3025 (P-40)	200.32	mg/L	--	--
13.	Magnesium Hardness	APHA 3500 Ca B	75.56	mg/L	--	--
14.	Total Hardness	IS: 3025 (P-21)	339.9	mg/L	200	600
15.	Sodium	IS: 3025 (P-45)	95.3	mg/L	--	--
16.	Potassium	IS: 3025 (P-45)	2	mg/L		
17.	Sulphate as SO_4	IS: 3025 (P-24)	73.47	mg/L	200	400
18.	Nitrate as NO_3	IS 3025 (Part 34) Spectrophotometric method	12.32	mg/L	45	No Relaxation
19.	Phosphate as P	APHA 4500 P C	0.35	mg/L	1.0	1.0

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Authorized Signatory

Customer Care: 8010127843, Ph: 0124-4343789, 9810366663, 9354147258 | E-mail: environment@vardan.co.in, hd@vardan.co.in

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Test Report

Sample Number: VEL/W/03					Report No.: VEL/W/250B/01093	
S.No.	Parameter	Test Method	Result	Unit	Limits of IS:10500: 2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
20.	Chloride as Cl	IS: 3025 (P: 32)	43.24	mg/L	250	1000
21.	Reactive Silica	IS: 3025 (P: 35)	32.56	mg/L	–	–
22.	Colloidal Silica	IS: 3025 (P: 35)	3.19	mg/L	–	–
23.	Total Organic Carbon	IS: 3025 (P: 47)	6.33	mg/L	–	–
24.	Boron	VEL/W/STP-03, Issue No. 01, 30/11/2023-2023	BLQ (LOQ-3.01)	mg/L	0.5	2.4
25.	Iron as Fe	VEL/W/STP-03, Issue No. 01, 30/11/2023-2023	BLQ (LOQ-3.01)	mg/L	1.0	No relaxation
26.	Copper as Cu	VEL/W/STP-03, Issue No. 01, 30/11/2023-2023	BLQ (LOQ-1.002)	mg/L	0.05	1.5
27.	Zinc as Zn	VEL/W/STP-03, Issue No. 01, 30/11/2023-2023	BLQ (LOQ-3.01)	mg/L	5	15
28.	Manganese as Mn	VEL/W/STP-03, Issue No. 01, 30/11/2023-2023	BLQ (LOQ-3.01)	mg/L	0.1	0.3
29.	Nickel as Ni	VEL/W/STP-03, Issue No. 01, 30/11/2023-2023	BLQ (LOQ-0.002)	mg/L	0.02	No Relaxation
30.	Arsenic as As	VEL/W/STP-03, Issue No. 01, 30/11/2023-2023	BLQ (LOQ-0.005)	mg/L	0.01	No Relaxation
31.	Vanadium as V	VEL/W/STP-03, Issue No. 01, 30/11/2023-2023	BLQ (LOQ-0.002)	mg/L	–	–
32.	Fluoride as F	VEL/W/STP-03, Issue No. 01, 30/11/2023-2023	BLQ (LOQ-0.002)	mg/L	1.0	No Relaxation
33.	Chromium as Cr^{+6}	IS: 3025 (P: 52)	BLQ (LOQ-0.05)	mg/L		
34.	Chromium as Cr^{+3}	IS: 3025 (P: 52)	BLQ (LOQ-0.05)	mg/L	–	–
35.	Selenium as Se	VEL/W/STP-03, Issue No. 01, 30/11/2023-2023	BLQ (LOQ-3.001)	mg/L	0.01	No Relaxation
36.	Cadmium as Cd	VEL/W/STP-03, Issue No. 01, 30/11/2023-2023	BLQ (LOQ-3.003)	mg/L	0.003	No Relaxation
37.	Mercury as Hg	VEL/W/STP-04, Issue No. 01, 30/11/2023-2023	BLQ (LOQ-0.0005)	mg/L	0.001	No Relaxation
38.	Total Chromium as Cr	VEL/W/STP-03, Issue No. 01, 30/11/2023-2023	BLQ (LOQ-3.003)	mg/L	0.05	No Relaxation
39.	Total Coliform	IS 1622	20	MPN/100ml	–	–
40.	E. Coli	IS: 5887 (P: 39)	Absent	Per 100ml	Shall not be detectable in any 100ml sample	

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

End Of Report

NITIN KUMAR
Sr. Mgr. Laboratory
24/11/24

(Authorized Signatory)
21/11/2024

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Test Report

Sample Number:	VEL/W/20	Report No.:	VEL/W/20/1198014
Name & Address of the Property:	M/s Nabinagar Power Generating Company (NPGC) Shilanpur, P.O.-Indrapuri Pachhar Station, Bihar Aurangabad, Bihar-824303, India	Format No.:	7.8/F-03
		Party Reference No.:	4010/3141119-157-1319 Dated 28.05.2124
		Reporting Date:	24/10/2020
		Period of Analysis:	19/10/2020 to 24/10/2020
Sample Description:	Ground Water	Receipt Date:	19/10/2020
Sample Location:	Village-Banana	Sampling Date:	19/10/2020
Sample Collected by:	Vardan EnviroLab Representative	Sampling Quantity:	2.0 Ltr.
Preservation:	Refrigerated	Sampling Type:	Grab
Sampling and Analysis Protocol:	APHA & IS	Parameter Required:	As per work order

S.No.	Parameter	Test Method	Result	Unit	Limits of IS:10500-2012	
					Permissible Limit in the absence of Alternate Source	Permissible Limit in the absence of Alternate Source
1.	pH @ at 25 °C	IS: 3025 (P-11)	7.30	–	6.5 to 8.5	No Relaxation
2.	Temperature	IS:3025 (P-9)	25.6	°C	–	–
3.	Electrical Conductivity	IS: 3025 (P-14)	864	µS/cm	–	–
4.	Turbidity	IS: 3025 (P-10)	BLQ(LOQ-1.0)	NTU	1	5
5.	Total Dissolved Solids	IS: 3025 (P-16)	562.00	mg/L	500	2000
6.	Total Suspended Solids	IS: 3025 (P-17)	11.86	mg/L	–	–
7.	Dissolved Oxygen	IS: 3025 (P-38)	7.1	mg/L	–	–
8.	BOD@ Days at 27°C	IS: 3025 (P-44)	BLQ(LOQ-2.0)	mg/L	–	–
9.	Chemical Oxygen Demand	APHA 5220 B Open Reflux Method	BLQ(LOQ-8.0)	mg/L	–	–
10.	T-Alkalinity	IS: 3025 (P-23)	Nil	mg/L	–	–
11.	M-Alkalinity	IS: 3025 (P-23)	219.35	mg/L	–	–
12.	Calcium Hardness	IS: 3025 (P-40)	130.42	mg/L	–	–
13.	Magnesium Hardness	APHA 3500 Ca B	28.30	mg/L	–	–
14.	Total Hardness	IS: 3025 (P-21)	638.8	mg/L	200	600
15.	Sodium	IS: 3025 (P-45)	41.0	mg/L	–	–
16.	Potassium	IS: 3025 (P-45)	8.9	mg/L	–	–
17.	Sulphate as SO_4	IS: 3025 (P-24)	34.25	mg/L	200	400
18.	Nitrate as NO_3	IS 5225 (Pt-1-34) Chromatographic Method	3.52	mg/L	45	No Relaxation
19.	Fluoride (as F)	APHA 4500 F- C	0.27	mg/L	1.0	1.5

Note-BLQ-Below Limit of Quantification, LOQ-Limit of Quantification, STP-Standard Temperature & Pressure, NA-Not Applicable

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Test Report

Sample Number: VEL/W/94			Report No.: VEL/W/26018001			
S.No.	Parameter	Test Method	Result	Unit	Limits of IS: 10500 -2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
20.	Chloroform (T	IS: 3025 (P-32)	34.6	ug/L	2[illegible]	[illegible]
21.	Bromodichloro	IS: 3025 (P-27)	22.10	ug/L	–	–
22.	Colloidal Silica	IS: 3025 (P-34)	1.65	ug/L	–	–
23.	Total Organic Carbon	IS 3025 (P-44)	0.43	mg/L	–	–
24.	Boron	VEL/WQ/STP-02, Issue No. 0 , 30/11/2023-2024	BLQ (LOQ-300)	mg/L	0.5	2.4
25.	Iron as Fe	VEL/WQ/STP-02, Issue No. 0 , 30/11/2023-2024	BLQ (LOQ-300)	mg/L	1.0	No relaxation
26.	Copper as Cu	VEL/WQ/STP-05, Issue No. 0 , 30/11/2023-2024	BLQ (LOQ-0.007)	mg/L	0.05	1.5
27.	Zinc as Zn	VEL/WQ/STP-02, Issue No. 0 , 30/11/2023-2024	BLQ (LOQ-300)	mg/L	5	15
28.	Manganese as Mn	VEL/WQ/STP-02, Issue No. 0 , 30/11/2023-2024	BLQ (LOQ-300)	mg/L	0.1	0.3
29.	Nickel as Ni	VEL/WQ/STP-02, Issue No. 0 , 30/11/2023-2024	BLQ (LOQ-0.002)	mg/L	0.02	No Relaxation
30.	Arsenic as As	VEL/WQ/STP-02, Issue No. 0 , 30/11/2023-2024	BLQ (LOQ-0.005)	mg/L	0.01	No Relaxation
31.	Vanadium as V	VEL/WQ/STP-02, Issue No. 01, 01/11/2023-2024	BLQ (LOQ-0.002)	mg/L	–	–
32.	Lead as Pb	VEL/WQ/STP-02, Issue No. 01, 01/11/2023-2024	BLQ (LOQ-0.002)	mg/L	0.01	No Relaxation
33.	Phenolic compounds (C6H5OH)	IS: 3025 (P-43)	BLQ (LOQ-0.001)	mg/L	–	–
34.	Chromium as Cr6+	IS: 3025 (P-52)	BLQ (LOQ-0.05)	mg/L	–	–
35.	Selenium as Se	VEL/WQ/STP-06, Issue No. 01, 01/11/2023-2024	BLQ (LOQ-0.001)	mg/L	0.01	No Relaxation
36.	Cadmium as Cd	VEL/WQ/STP-05, Issue No. 01, 01/11/2023-2024	BLQ (LOQ-0.003)	mg/L	0.003	No Relaxation
37.	Mercury as Hg	VEL/WQ/STP-05, Issue No. 01, 01/11/2023-2024	BLQ (LOQ-0.0005)	mg/L	0.001	No Relaxation
38.	Total Chromium as Cr	VEL/WQ/STP-05, Issue No. 01, 01/11/2023-2024	BLQ (LOQ-0.002)	mg/L	0.05	No Relaxation
39.	Total Coliform	IS 1622	4	MPN/100 ml	–	–
40.	E.Coli	IS 15185:2016	Absent	Per 100 ml	Should be detectable in any 100 ml sample	

End of Report

[illegible]

Dr. Ms [illegible]
Biologist

[illegible]

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Test Report

Sample Number:	VEL/WB2	Report No.:	VEL/Y/2001/90303
Name & Address of the Project:	M/s Nalanagar Power Generating Company (NPGC) Shahanpur, P.O.-Gulbara Railway Station, Near Aurangabad, Bihar-824338, India	Permit No.:	S.B.P-85
		Party Reference No.:	4100334815-2021-0019 Dated 28.05.2021
		Reporting Date:	24/01/2020
		Period of Analysis:	19/01/2020 to 24/01/2020
Sample Description:	Ground Water	Receipt Date:	19/01/2020
Sample Location:	Village Rohta	Sampling Date:	19/01/2020
Sample Collected by:	Vardan EnviroLab Representative	Sampling Quantity:	2.0 Ltr.
Preservation:	Refrigerated	Sampling Type:	Grab
Sampling and Analysis Protocols:	APHA & IS	Parameter Required:	As per work order

S.No.	Parameter	Test Method	Result	Unit	Limits of IS:10500:2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS: 3025 (P-11)	7.55	–	6.5 to 8.5	No Relaxation
2.	Temperature	IS:3025 (P-9)	25.3	°C	–	–
3.	Electrical Conductivity	IS: 3025 (P-14)	625	µS/cm	–	–
4.	Turbidity	IS: 3025 (P-10)	1.5	NTU	1	5
5.	Total Dissolved Solids	IS: 3025 (P-16)	322.30	mg/L	500	2000
6.	Total Suspended Solids	IS: 3025 (P-17)	8.12	mg/L	–	–
7.	Dissolved Oxygen	IS: 3025 (P-38)	7.3	mg/L	–	–
8.	BOD (3 Days at 27°C)	IS 3025 (P-44)	BDL(LOQ 2.0)	mg/L	–	–
9.	Chemical Oxygen Demand	APHA, 5220 B Open Reflux Method	BDL(LOQ 4.0)	mg/L	–	–
10.	Total Alkalinity	IS 3025 (P-23)	Nil	mg/L	–	–
11.	M-Alkalinity	IS 3025 (P-23)	190.95	mg/L	–	–
12.	Calcium Hardness	IS 3025 (P 40)	125.60	mg/L	–	–
13.	Magnesium Hardness	APHA 3500 Mg B	56.61	mg/L	–	–
14.	Total Hardness	IS: 3025 (P 21)	193.56	mg/L	200	600
15.	Sodium	IS: 3025 (P-45)	13.7	mg/L	–	–
16.	Potassium	IS: 3025 (P-45)	1.8	mg/L	–	–
17.	Sulphate as SO_4	IS: 3025 (P-24)	19.5	mg/L	200	400
18.	Nitrate as NO_3	IS:3025 Part-34, Chromotropic Method	4.8	mg/L	45	No Relaxation
19.	Fluoride as F	APHA 4500 F-	BDL(LOQ 0.2)	mg/L	1	1.5

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Test Report

Sample Number: VEL/W/05				Report No.: VEL/W/2023/90005		
S. No.	Parameter	Test Method	Result	Unit	Limit as per IS:10500-2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
20.	Chloride as Cl	IS: 3025 (P: 32)	21.6	mg/L	250	1000
21.	Reactive Silica	IS: 3025 (P: 35)	<2.0	mg/L	--	--
22.	Residual Chlorine	IS: 3025 (P: 26)	0.30	mg/L	--	--
23.	Total Organic Carbon	IS: 3025 (P: 44)	0.50	mg/L		
24.	Boron	VEL/W/STP-02, Issue No.: 01, 30/11/2023:2320	BLQ(LOQ-0.30)	mg/L	0.5	2.4
25.	Iron as Fe	VEL/W/STP-07, Issue No.: 01, 30/11/2023:2039	BLQ(LOQ-0.30)	mg/L	1.0	No Relaxation
26.	Copper as Cu	VEL/W/STP-03, Issue No.: 01, 30/11/2023:2020	BLQ(LOQ-0.002)	mg/L	0.05	1.5
27.	Zinc as Zn	VEL/W/STP-02, Issue No.: 01, 30/11/2023:2320	BLQ(LOQ-0.20)	mg/L	5	15
28.	Manganese as Mn	VEL/W/STP-07, Issue No.: 01, 30/11/2023:2039	BLQ(LOQ-0.20)	mg/L	0.1	0.3
29.	Nickel as Ni	VEL/W/STP-03, Issue No.: 01, 30/11/2023:2020	BLQ(LOQ-0.020)	mg/L	0.02	No Relaxation
30.	Arsenic as As	VEL/W/STP-03, Issue No.: 01, 30/11/2023:2020	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
31.	Vanadium as V	VEL/W/STP-09, Issue No.: 01, 30/11/2023:2038	BLQ(LOQ-0.007)	mg/L	--	--
32.	Lead as Pb	VEL/W/STP-03, Issue No.: 01, 30/11/2023:2020	BLQ(LOQ-0.002)	mg/L	0.01	No Relaxation
33.	Chromium as Cr^{6+}	IS: 3025 (P: 52)	BLQ(LOQ-0.05)	mg/L	--	--
34.	Hexavalent Cr^{6+}	IS: 3025 (P: 52)	BLQ(LOQ-0.05)	mg/L	--	--
35.	Selenium as Se	VEL/W/STP-20, Issue No.: 01, 01/12/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
36.	Cadmium as Cd	VEL/W/STP-03, Issue No.: 01, 01/12/2023:2020	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
37.	Mercury as Hg	VEL/W/STP-03, Issue No.: 01, 01/12/2023:2020	BLQ(LOQ-0.0015)	mg/L	0.001	No Relaxation
38.	Total Chromium as Cr	VEL/W/STP-03, Issue No.: 01, 01/12/2023:2020	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
39.	Total coliform	IS: 1622	22	MPN/100ml	--	--
40.	E. Coli	IS 15185:2016	Absent	Per 100ml	Shall not be detectable in any 100 ml sample	

Note: BLQ- Below Limit of Quantification, LOQ- Limit of Quantification, ND- Not Detected, NA- Not Applicable, NAD- No Abnormal Odour, CFU- Colony Forming Unit, MPN- Most Probable Number, TNTC- Too Numerous To Count, NABL- National Accreditation Board for Testing and Calibration Laboratories, IS- Indian Standard, APHA- American Public Health Association, USEPA- United States Environmental Protection Agency, ISO- International Organization for Standardization, CPCB- Central Pollution Control Board, MoEF&CC- Ministry of Environment, Forest and Climate Change, SPM- Suspended Particulate Matter, RPM- Respirable Particulate Matter, PM- Particulate Matter, NO2- Nitrogen Dioxide, SO2- Sulphur Dioxide, CO- Carbon Monoxide, O3- Ozone, NH3- Ammonia, Pb- Lead, Ni- Nickel, BTEX- Benzene, Toluene, Ethylbenzene, Xylene, PAH- Polycyclic Aromatic Hydrocarbons, BaP- Benzo(a)Pyrene, As- Arsenic, C6H6- Benzene, TEA- Triethanolamine, MEA- Monoethanolamine, DEA- Diethanolamine, MDEA- Methyldiethanolamine, DIPA- Diisopropanolamine, DGA- Diglycolamine, MMEA- Monomethylethanolamine, DMEA- Dimethylethanolamine, DMA- Dimethylamine, MMA- Monomethylamine, TMA- Trimethylamine, DEHA- Diethylhydroxylamine, MDA- Methyldiamine, TMDA- Trimethylenediamine, DMF- Dimethylformamide, NMP- N-Methyl-2-pyrrolidone, MIBK- Methyl Isobutyl Ketone, MTBE- Methyl Tert-Butyl Ether, TBA- Tert-Butyl Alcohol, TAME- Tert-Amyl Methyl Ether, DIPE- Diisopropyl Ether, ETBE- Ethyl Tert-Butyl Ether, TAA- Tert-Amyl Alcohol, DCM- Dichloromethane, TCM- Trichloromethane, TCE- Trichloroethylene, PCE- Tetrachloroethylene, VCM- Vinyl Chloride, DCE- Dichloroethylene, TCA- Trichloroethane, CTC- Carbon Tetrachloride, TBM- Tribromomethane, DBCM- Dibromochloromethane, BDCM- Bromodichloromethane, DCP- Dichloropropane, TCP- Trichloropropane, DBCP- Dibromochloropropane, DBE- Dibromoethane, DCB- Dichlorobenzene, TCB- Trichlorobenzene, CB- Chlorobenzene, TS- Total Solids, TDS- Total Dissolved Solids, TSS- Total Suspended Solids, VS- Volatile Solids, FS- Fixed Solids, COD- Chemical Oxygen Demand, BOD- Biochemical Oxygen Demand, TKN- Total Kjeldahl Nitrogen, TN- Total Nitrogen, TP- Total Phosphorus, O&G- Oil & Grease, MBAS- Methylene Blue Active Substances, CN- Cyanide, F- Fluoride, S- Sulphide, NH3-N- Ammoniacal Nitrogen, NO3-N- Nitrate Nitrogen, NO2-N- Nitrite Nitrogen, TKN- Total Kjeldahl Nitrogen, TN- Total Nitrogen, TP- Total Phosphorus, O&G- Oil & Grease, MBAS- Methylene Blue Active Substances, CN- Cyanide, F- Fluoride, S- Sulphide, NH3-N- Ammoniacal Nitrogen, NO3-N- Nitrate Nitrogen, NO2-N- Nitrite Nitrogen

End of Report

NITIN KUMAR
Sr. Manager
31/01/24

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Vardan Envirolab LLP

Laboratory: Plot No. 526, Sector - 2, IMT Manesar, Gurugram - 122051 (HR)
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Test Report

Sample Number:	VEL/26/10	Report No.:	VEL/W/2001199035
Name & Address of the Project:	M/s Nabinagar Power Generating Company (NPGC) Site/spot: P.O.-Andhrer Kalkarar Sonthar, Bihar Aurangabad, Bihar-824303, India	Format No:	T.8.F.03
		Party Reference No.:	4000534115/052-1319 Dated 28.05.2025
		Reporting Date:	24/10/2025
		Period of Analysis:	19/09/2025 to 24/10/2025
Sample Description:	Ground Water	Receipt Date:	19/09/2025
Sample Location:	Near E- Type	Sampling Date:	18/09/2025
Sample Collected by:	Vardan Envirolab Representative	Sampling Quantity:	2.5 Ltr.
Preservation:	Refrigerated	Sampling Type:	Grab
Sampling method reference:	APHA & IS	Parameter Required:	As per work order

S. No.	Parameter	Test Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS: 3025 (P: 11)	7.32	--	6.5 to 8.5	No Relaxation
2.	Temperature	IS: 3025 (P:9)	22.4	°C	--	--
3.	Electrical Conductivity	IS: 3025 (P: 4)	1.0	dS/m	--	--
4.	Turbidity	IS: 3025 (P: 10)	2.3	NTU	1	5
5.	Total Dissolved Solids	IS: 3025 (P: 16)	486.30	mg/L	500	2000
6.	Total Suspended Solids	IS: 3025 (P: 17)	18.0	mg/L	--	--
7.	Dissolved Oxygen	IS: 3025 (P:38)	7.1	mg/L	--	--
8.	BOD (3 Days at 27°C)	IS: 3025 (P: 44)	BLQ(LOQ=2.0)	mg/L	--	--
9.	Chemical Oxygen Demand	APHA 5220 B Open Reflux Method	BLQ(LOQ=4.0)	mg/L	--	--
10.	P-Alkalinity	IS: 3025 (P:23)	Nil	mg/L	--	--
11.	M-Alkalinity	IS: 3025 (P:23)	195.53	mg/L	--	--
12.	Chloride as Cl	IS: 3025 (P:32)	147.07	mg/L	--	--
13.	Magnesium Hardness	APHA: 3500 Mg B	63.46	mg/L	--	--
14.	Total Hardness	IS: 3025 (P:21)	177.34	mg/L	200	600
15.	Sodium	IS: 3025 (P:45)	13.4	mg/L	--	--
16.	Potassium	IS: 3025 (P:45)	1.7	mg/L		
17.	Sulphate as SO4	IS: 3025 (P:24)	12.1	mg/L	200	400
18.	Nitrate as NO3	IS 7474 (Part 3) By Chromotrope Method	6.8	mg/L	45	No Relaxation
19.	Fluoride as F	APHA 4500 F D	BLQ(LOQ=0.2)	mg/L	1.0	1.5

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Test Report

Sample Number: VEL/W/06					Report No.: VEL/W/2401/0036	
S. No.	Parameter	Test Method	Result	Unit	Limit of IS:10500-2012, Permissible Limit in the Absence of Alternate Source (Requirement) (Acceptable Limit)	
20	Chloride as Cl	IS 3025 (P-32)	72.45	mg/L	251	601
21	Silver 0.05 Rm	IS 3025 (P-40)	0.29	mg/L	--	--
22	Colloidal Silica	IS 3025 (P-35)	0.27	mg/L	--	--
23	Total Organic Carbon	IS 3025 (P-59)	0.56	mg/L	--	--
24	Boron	VEL/W/SOP-28, Issue No. 01, 01.12.2023-2025	BDL(LOQ 0.1)	mg/L	0.5	2.4
25	Iron as Fe	VEL/W/SOP-25, Issue No. 01, 01.12.2023-2025	BDL(LOQ 0.01)	mg/L	1.0	No relaxation
26	Copper as Cu	VEL/W/SOP-26, Issue No. 01, 01.12.2023-2025	BDL(LOQ-0.005)	mg/L	0.05	1.5
27	Zinc as Zn	VEL/W/SOP-39, Issue No. 01, 01.12.2023-2025	BDL(LOQ 0.1)	mg/L	5	15
28	Manganese as Mn	VEL/W/SOP-35, Issue No. 01, 01.12.2023-2025	BDL(LOQ 0.01)	mg/L	0.1	0.3
29	Nickel as Ni	VEL/W/SOP-45, Issue No. 01, 01.12.2023-2025	BLQ LOQ-0.002)	mg/L	0.02	No Relaxation
30	Arsenic as As	VEL/W/SOP-05, Issue No. 01, 01.12.2023-2025	BLQ LOQ-0.005)	mg/L	0.01	No Relaxation
31	Vanadium as V	VEL/W/SOP-49, Issue No. 01, 01.12.2023-2025	BLQ LOQ-0.005)	mg/L	--	--
32	Lead as Pb	VEL/W/SOP-09, Issue No. 01, 01.12.2023-2025	BLQ LOQ-0.005)	mg/L	0.01	No Relaxation
33	Chromium as Cr^{6+}	IS 3025 (P-52)	BLQ(LOQ-0.50)	mg/L	--	--
34	Chromium as Cr^{6+}	IS 3025 (P-52)	BLQ(LOQ 0.50)	mg/L	--	--
35	Selenium as Se	VEL/W/SOP-06, Issue No. 01, 01.12.2023-2025	BLQ(LOQ 0.005)	mg/L	0.01	No Relaxation
36	Cadmium as Cd	VEL/W/SOP-03, Issue No. 01, 01.12.2023-2025	BLQ(LOQ 0.002)	mg/L	0.003	No Relaxation
37	Mercury as Hg	VEL/W/SOP-08, Issue No. 01, 01.12.2023-2025	BLQ(LOQ-0.0005)	mg/L	0.001	No Relaxation
38	Total Chromium as Cr	VEL/W/SOP-50, Issue No. 01, 01.12.2023-2025	BLQ(LOQ 0.05)	mg/L	0.05	No Relaxation
39	Total Coliform	IS 1622	11	MPN/100ml	--	
40	E. Coli	IS 1622/5506	Absent	Per 100ml	Shall not be detectable in any 100 ml sample	

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

End of Report

NITIN KUMAR
Dr. Vardan Laboratories
(Technical Manager)
24/01/2024

(Authorised Signatory)
24/01/2024

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Vardan Envirolab LLP

Laboratory: Plot No. 83A, Sector - 5, IMT Manesar, Gurugram - 122050, (HR)
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Test Report

Sample Number:	VEL/W/0[illegible]	Report No.:	VEL/W/2024[illegible]/0003
Name & Address of the Project:	M/s Nabinagar Power Generating Company (NPGC) Shivanpur, P.O.-Ankhara Railway Station, Near Aurangabad, Bihar-824333, India	Purchase No.:	5.5 P-Wa
		Purchase Reference No.:	4100034819-0PT-1019 Dated 24.05.2024
		Reporting Date:	24/08/2024
		Period Of Analysis:	19/08/2024 to 24/08/2024
Sample Description:	Ground Water	Receipt Date:	19/08/2024
Sample Location:	Village Shivanpur (Nala Kuria)	Sampling Date:	19/08/2024
Sample Collected by:	Vardan EnviroLab Representative	Sampling Quantity:	2.0 Ltr.
Preservation:	Refrigerated	Sampling Type:	Grab
Sampling and Analysis Protocol:	APHA & IS	Parameter Received:	As per work order

S. No.	Parameter	Test Method	Result	Unit	Limits as per IS:10500 : 2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (@ 25 °C)	IS: 3025 (P-11)	[illegible].89	–	6.5 to 8.5	No Relaxation
2.	Temperature	IS:3025 (P-9)	23.7	°C	–	–
3.	Electrical Conductivity	IS: 3025 (P-14)	854	µS/cm	–	–
4.	Turbidity	IS: 3025 (P-10)	BLQ(LOQ- 1.0)	NTU	1	5
5.	Total Dissolved Solids	IS: 3025 (P-16)	512.00	mg/L	500	2000
6.	Total suspended Solids	IS: 3025 (P-17)	6.53	mg/L	–	–
7.	Dissolved Oxygen	IS: 3025 (P-38)	7.2	mg/L	–	–
8.	BOD (3 Days at 27°C)	IS: 3025 (P-44)	BLQ(LOQ-4.0)	mg/L	–	–
9.	Chemical Oxygen Demand	APHA, 5220 B Open Reflux Method	BLQ(LOQ-4.0)	mg/L	–	–
10.	P. Alkalinity	IS: 3025 (P-23)	Nil	mg/L	–	–
11.	M. Alkalinity	IS: 3025 (P-23)	90.50	mg/L	–	–
12.	Calcium Hardness	IS: 3025 (P-40)	255.42	mg/L	–	–
13.	Magnesium Hardness	APHA, 3500 Mg B	[illegible].10	mg/L	–	–
14.	Total Hardness	IS: 3025 (P-21)	291.35	mg/L	200	600
15.	Sodium	IS: 3025 (P-45)	15.0	mg/L	–	–
16.	Potassium	IS: 3025 (P-45)	2	mg/L	–	–
17.	Sulphate as SO_4	IS: [illegible].5 (P-24)	[illegible].62	mg/L	200	400
18.	Nitrate as NO_3	IS:3025 (Part-34) Clean spectrophotometric Method	3.5	mg/L	45	No Relaxation
19.	Phenolic C	APHA 5530 C-D	2.01	mg/L	1.0	2.0

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Test Report

Sample Number: VEL/W/07					Report No.: VEL/W/26/0189/07	
S.No.	Parameter	Test Method	Result	Unit	Limits of IS:10500: 2012	
					Requirement (Acceptable Limits)	Permissible limit in the Absence of Alternate Source
20.	Chloride as Cl	IS: 3025 (P-32)	30.62	mg/L	250	1000
21.	Reactive Silica	IS: 3025 (P-35)	8.62	mg/L		
22.	Colloidal Silica	IS: 3025 (P-35)	5.13	mg/L	–	–
23.	Total Organic Carbon	IS:3025 (P-27)	0.38	mg/L	–	–
24.	Boron	VEL/W/SOP -28, Issue No.01, 01.04.2023/2025	BLQ (LOQ-3.01)	mg/L	0.5	2.4
25.	Iron as Fe	VEL/W/SOP -23, Issue No.01, 01.04.2023/2025	BLQ (LOQ-3.01)	mg/L	1.0	No relaxation
26.	Copper as Cu	VEL/W/SOP -29, Issue No.01, 01.04.2023/2025	BLQ(LOQ-0.302)	mg/L	0.05	1.5
27.	Zinc as Zn	VEL/W/SOP -28, Issue No.01, 01.04.2023/2025	BLQ (LOQ-3.01)	mg/L	5	15
28.	Manganese as Mn	VEL/W/SOP -28, Issue No.01, 01.04.2023/2025	BLQ (LOQ-3.01)	mg/L	0.1	0.3
29.	Molybdenum Mo	VEL/W/SOP -29, Issue No.01, 01.04.2023/2025	BLQ(LOQ-0.302)	mg/L	0.07	No Relaxation
30.	Arsenic as As	VEL/W/SOP -29, Issue No.01, 01.04.2023/2025	BLQ(LOQ-0.305)	mg/L	0.01	No Relaxation
31.	Vanadium as V	VEL/W/SOP -29, Issue No.01, 01.04.2023/2025	BLQ(LOQ-0.302)	mg/L		
32.	Lead as Pb	VEL/W/SOP -29, Issue No.01, 01.04.2023/2025	BLQ(LOQ-0.302)	mg/L	0.01	No Relaxation
33.	Chromium as Cr^{6+}	IS:3025 (P-52)	BLQ(LOQ-0.05)	mg/L	–	–
34.	Chromium as Cr^{6+}	IS:3025 (P-52)	BLQ(LOQ-0.05)	mg/L	–	–
35.	Selenium as Se	VEL/W/SOP -09, Issue No.01, 01.04.2023/2025	BLQ(LOQ-0.301)	mg/L	0.01	No Relaxation
36.	Cadmium as Cd	VEL/W/SOP -09, Issue No.01, 01.04.2023/2025	BLQ(LOQ-0.305)	mg/L	0.003	No Relaxation
37.	Mercury as Hg	VEL/W/SOP -09, Issue No.01, 01.04.2023/2025	BLQ(LOQ-0.0005)	mg/L	0.001	No Relaxation
38.	Total Chromium as Cr	VEL/W/SOP -09, Issue No.01, 01.04.2023/2025	BLQ(LOQ-0.100)	mg/L	0.05	No Relaxation
39.	Total Coliform	IS: 1622	17	MPN/100ml	–	–
40.	E. Coli	IS:15185:2016	Absent	Per 100ml	Shall not be detectable in any 100ml sample	

Note: BLQ-Below Limit of Quantification, LOQ-Limit of Quantification, S.O.P- Standard Testing Procedure

*** End of Report ***

NITIN KUMAR
Sr. Manager
Date
26/10/24

Dr. Shiv
Manager
Date
26/10/2024

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Test Report

Sample Number:	VEL/0784	Report No.:	VEL/Air/24010/0884
Name & Address of the Payee:	M/s Nabinagar Power Generating Company (NPGC), Nabinagar, P.O.-Ankinara Railway Station, Distt.- Aurangabad, Bihar-824303, India	Format No.:	TRF/67
		Party Reference No.:	4300334 / 5/857 / 019 Dated: 30.05.2024
		Reporting Date:	15/01/2026
		Period of Analysis:	13/01/2026 to 15/01/2026
Sample Description:	Surface Water	Receipt Date:	13/01/2026
Sample Location:	Raw Water Reservoir	Sampling Date:	13/01/2026
Sample Collected by:	Vardan EnviroLab Representative	Sampling Quantity:	2.0 Ltrs.
Preservation:	Refrigerated	Sampling Type:	Grab
Sampling as per Analysis Protocol:	APHA & IS	Parameter Required:	As per work order

S.No.	Parameter	Test Method	Result	Unit
1.	pH at 25 °C	IS: 3025 (P-11)	7.52	–
2.	Temperature	IS:3025 (P-9)	25.0	°C
3.	Electrical Conductivity	IS: 3025 (P-14)	376	µS/cm
4.	Turbidity	IS: 3025 (P-10)	BLQ(LOQ-1.0)	NTU
5.	Total Dissolved Solids	IS: 3025 (P-16)	225.03	mg/L
6.	Total Suspended Solids	IS: 3025 (P-17)	BLQ(LOQ-1.0)	mg/L
7.	Dissolved Oxygen	IS: 3025 (P-38)	6.9	mg/L
8.	BOD (3 Days at 27°C)	IS 3025 (P-44)	9.67	mg/L
9.	Chemical Oxygen Demand	APHA, 5220 B Open Reflux Method	12.32	mg/L
10.	T-Alkalinity	IS: 3025 (P-51)	201	mg/L
11.	M-Alkalinity	IS: 3025 (P-51)	78.85	mg/L
12.	Calcium Hardness	IS: 3025 (P-53)	68.52	mg/L
13.	Magnesium Hardness	APHA 3500 Mg E	28.95	mg/L
14.	Total Hardness	IS: 3025 (P-21)	256.9	mg/L
15.	Sodium	IS: 3025 (P-45)	11.38	mg/L
16.	Potassium	IS: 3025 (P-45)	1.5	mg/L
17.	Sulphates SO_4	IS: 3025 (P-24)	12.50	mg/L
18.	Nitrate as NO_3	IS 3025 (Part-34) Cadmium Reduction Method	4.5	mg/L
19.	Fluoride as F	APHA 4500 F-D	BLQ(LOQ-0.5)	mg/L

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Test Report

Sample Number: VEL/2025/18			Report No.: VEL/WC/2025/00190018	
Sl No.	Parameter	Test Method	Result	Unit
20.	Chloride as Cl	IS: 3025 (Pt-32)	31.88	mg/L
21.	Reactive Silica	IS: 3025 (Pt-35)	22.38	mg/L
22.	Orthophosphate	IS: 3025 (Pt-31)	5.14	mg/L
23.	Total Organic Carbon	IS 3025 (Pt-27)	0.57	mg/L
24.	Boron	VEL/W/STP-12, Issue No. 01, 30/11/2023/2023	BLQ(LOQ-0.01)	mg/L
25.	Iron as Fe	VEL/W/STP-02, Issue No. 01, 30/11/2023/2023	BLQ(LOQ-0.01)	mg/L
26.	Copper as Cu	VEL/W/STP-07, Issue No. 01, 30/11/2023/2023	BLQ(LOQ-0.002)	mg/L
27.	Zinc as Zn	VEL/W/STP-13, Issue No. 01, 30/11/2023/2023	0.47	mg/L
28.	Manganese as Mn	VEL/W/STP-09, Issue No. 01, 30/11/2023/2023	BLQ(LOQ-0.01)	mg/L
29.	Nickel as Ni	VEL/W/STP-03, Issue No. 01, 30/11/2023/2023	BLQ(LOQ-0.002)	mg/L
30.	Arsenic as As	VEL/W/STP-10, Issue No. 01, 30/11/2023/2023	BLQ(LOQ-0.005)	mg/L
31.	Vanadium as V	VEL/W/STP-05, Issue No. 01, 30/11/2023/2023	BLQ(LOQ-0.007)	mg/L
32.	Boron as B	VEL/W/STP-12, Issue No. 01, 30/11/2023/2023	BLQ(LOQ-0.002)	mg/L
33.	Chromium as Cr^{6+}	IS:3025 (Pt-52)	BLQ(LOQ-0.05)	mg/L
34.	Chromium as Cr^{3+}	IS:3025 (Pt-52)	BLQ(LOQ-0.05)	mg/L
35.	Selenium as Se	VEL/W/STP-08, Issue No. 01, 30/11/2023/2023	BLQ(LOQ-0.001)	mg/L
36.	Cadmium as Cd	VEL/W/STP-06, Issue No. 01, 30/11/2023/2023	BLQ(LOQ-0.002)	mg/L
37.	Mercury as Hg	VEL/W/STP-11, Issue No. 01, 30/11/2023/2023	BLQ(LOQ-0.0005)	mg/L
38.	Total Chromium as Cr	VEL/W/STP-15, Issue No. 01, 30/11/2023/2023	BLQ(LOQ-0.005)	mg/L
39.	Total coliform	IS 1622	26	MPN/100ml
40.	E. Coli	IS 15185:2016	Absent	Per 100 ml

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

End of Report

NITIN KUMAR
24/01/26

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Vardan Envirolab LLP
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 13001 | ISO 45001

Test Report

Sample Number:	VEL/W/08	Report No.:	VEL/W/2601180339
Name & Address of the Projects:	M/s Nabinagar Power Generating Company (NPGC) Jhilmilpur, P.O.-Anishora Railway Station, Bihar Aurangabad, Bihar-824303, India	Format No.	7.8.F.03
		Party Reference No.:	8000210115 JST 1203 Dated 30.05.2024
		Reporting Date:	24/01/2026
		Period of Analysis:	19/01/2026 to 24/01/2026
Sample Description:	Surface Water	Receipt Date:	19/01/2026
Sample Location:	Morla Pond	Sampling Date:	15/01/2026
Sample Collected by:	Vardan Envirolab Representative	Sampling Quantity:	3.0 Ltr
Preservation:	Refrigerated	Sampling Type:	Grab
Sampling and Analysis Protocol:	APHA & IS	Parameter Required:	As per Authorization

S. No.	Parameter	Test Method	Result	Unit
1.	pH (at 25 °C)	IS: 3025 (P-11)	7.82	
2.	Temperature	IS:3025 (P-9)	20.8	°C
3.	Electrical Conductivity	IS: 3025 (P-14)	282.0	µS/cm
4.	Turbidity	IS: 3025 (P-10)	BQL(LOQ-1.0)	NTU
5.	Total Dissolved Solids	IS: 3025 (P-16)	169.00	mg/L
6.	Total Suspended Solids	IS: 3025 (P-17)	9.20	mg/L
7.	Dissolved Oxygen	IS: 3025 (P-38)	7.5	mg/L
8.	BOD (3 Days at 27°C)	IS:3025 (P-44)	4.28	mg/L
9.	Chemical Oxygen Demand	APHA, 5220 D Open Reflux Method	18.56	mg/L
10.	P-Alkalinity	IS: 3025 (P-23)	Nil	mg/L
11.	M-Alkalinity	IS: 3025 (P-23)	132.5	mg/L
12.	Calcium Hardness	IS: 3025 (P-40)	35.76	mg/L
13.	Magnesium Hardness	APHA, 3500 mg/B	21.35	mg/L
14.	Total Hardness	IS: 3025 (P-21)	111.56	mg/L
15.	Sulfide	IS: 3025 (P-29)	BQL	mg/L
16.	Phenolics	IS: 3025 (P-43)	0.3	mg/L
17.	Sulphate as SO_4	IS: 3025 (P-24)	25.49	mg/L
18.	Fluoride as NO_3	IS 3025 (Part-34), Clorimetric Method	0.2	mg/L
19.	Chromium (VI)	APHA 3500 C D	BQL	mg/L

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Test Report

Sample Number: VEL/W/89 | Report No. VEL/W/25010/0089

Sr. No.	Parameter	Test Method	Result	Unit
23	Chloride as Cl	IS: 3025 (P-32)	20.12	mg/L
24	Reactive Silica	IS: 3025 (P-35)	3.1	mg/L
25	Cyanide as CN	IS: 3025 (P-27)	3.52	mg/L
26	Total Organic Carbon	IS:3025 (P-44)	0.30	mg/L
27	Boron	VEL/W/STP-03, Issue No. 01, Dt:01/11/2023:2023	BLQ(LOQ-0.0)	mg/L
28	Iron as Fe	VEL/W/STP-03, Issue No. 01, Dt:01/11/2023:2023	BLQ(LOQ-0.0)	mg/L
29	Copper as Cu	VEL/W/STP-03, Issue No. 01, Dt:01/11/2023:2023	BLQ(LOQ-0.0)	mg/L
30	Zinc as Zn	VEL/W/STP-03, Issue No. 01, Dt:01/11/2023:2023	BLQ(LOQ-0.0)	mg/L
31	Manganese as Mn	VEL/W/STP-03, Issue No. 01, Dt:01/11/2023:2023	BLQ(LOQ-0.0)	mg/L
32	Nickel as Ni	VEL/W/STP-03, Issue No. 01, Dt:01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
33	Arsenic as As	VEL/W/STP-03, Issue No. 01, Dt:01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
34	Vanadium as V	VEL/W/STP-03, Issue No. 01, Dt:01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
35	Lead as Pb	VEL/W/STP-03, Issue No. 01, Dt:01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
36	Chromium as Cr^{3+}	IS:3025 (P-52)	BLQ(LOQ-0.03)	mg/L
37	Chromium as Cr^{6+}	IS:3025 (P-52)	BLQ(LOQ-0.03)	mg/L
38	Selenium as Se	VEL/W/STP-03, Issue No. 01, Dt:01/11/2023:2023	BLQ(LOQ-0.001)	mg/L
39	Cadmium as Cd	VEL/W/STP-03, Issue No. 01, Dt:01/11/2023:2023	BLQ(LOQ-0.003)	mg/L
40	Mercury as Hg	VEL/W/STP-03, Issue No. 01, Dt:01/11/2023:2023	BLQ(LOQ-0.0003)	mg/L
41	Total Chromium as Cr	VEL/W/STP-03, Issue No. 01, Dt:01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
42	Total Coliform	IS:1622	22	MPN/100ml
43	E. Coli	IS:1622:2006	Absent	Per 100ml

Note: BLQ: Below Limit of Quantification, LOQ: Limit of Quantification, STP: Sewage Treatment Plant

End of Report

NITIN KUMAR
M.Sc. Environmental Science
26/11/25

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Test Report

Sample Number:	VEL/W/R	Report No.:	VEL/W/2601/39380
Name & Address of the Project:	NTPC Nabinagar Power Generating Company (NPGC) Shivanipur, P.O.-Ankdiara Railway Station, Distt.-Aurangabad, Bihar-824303, India	Format No.:	7.5 F 85
		Party Reference No.:	4100218115 367 3019 Dated 30.05.2024
		Reporting Date:	24/01/2026
		Period of Analysis:	15/01/2026 to 24/01/2026
Sample Description:	Surface Water	Receipt Date:	15/01/2026
Sample Location:	Near Village Ankurdiya	Sampling Date:	15/01/2026
Sample Collected by:	Vardan Envirolab Representative	Sampling Quantity:	5.0 Ltr.
Preservation:	Refrigerated	Sampling Type:	Grab
Sampling and Analysis Protocol:	APHA & IS	Parameter Required:	As per Audit order

S. No.	Parameter	Test Method	Result	Unit
1.	pH (at 25 °C)	IS: 3025 (P: 1)	7.31	-
2.	Temperature	IS: 3025 (P-9)	23.8	°C
3.	Electrical Conductivity	IS: 3025 (P-14)	311	µS/cm
4.	Turbidity	IS: 3025 (P-10)	7.5	NTU
5.	Total Dissolved Solids	IS: 3025 (P-16)	198.9	mg/L
6.	Total suspended Solids	IS: 3025 (P-17)	8.18	mg/L
7.	Dissolved Oxygen	IS: 3025 (P-38)	7.1	mg/L
8.	BOD (3 Days at 27°C)	IS 3025 (P-44)	2.50	mg/L
9.	Chemical Oxygen Demand	APHA, 5220 B Open Reflux Method	17.26	mg/L
10.	P-Alkalinity	IS: 3025 (P-23)	Nil	mg/L
11.	M-Alkalinity	IS: 3025 (P-23)	132.54	mg/L
12.	Calcium Hardness	IS: 3025 (P-40)	63.23	mg/L
13.	Magnesium Hardness	APHA, 3500 mg/B	27.91	mg/L
14.	Total Hardness	IS: 3025 (P-21)	122.36	mg/L
15.	Sodium	IS: 3073 (P-45)	0.56	mg/L
16.	Potassium	IS: 3025 (P-45)	1.2	mg/L
17.	Sulphate as SO_4	IS: 3025 (P-24)	7.4	mg/L
18.	Nitrate as NO_3	IS 3025 (Part-34): Chromotropic Acid	6.2	mg/L
19.	Fluoride	APHA 4500 F D	0.37	mg/L

Remarks & Conclusion: - NIL

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Test Report

Sample Number: VEL/W/13			Report No.	VEL/W/2501/0410
S. No.	Parameter	Test Method	Result	Unit
20.	Chlorides as Cl	IS 3025 (P-32)	8.52	mg/L
21.	Sulphate as SO_4	IS 3025 (P-24)	5.20	mg/L
22.	Colloidal Silica	IS 3025 (P-35)	5.06	mg/L
23.	Total Organic Carbon	IS 2023 (P-69)	3.45	mg/L
24.	Boron	VEL/W/STP-03, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.01)	mg/L
25.	Iron as Fe	VEL/W/STP-03, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.01)	mg/L
26.	Copper as Cu	VEL/W/STP-03, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.032)	mg/L
27.	Zinc as Zn	VEL/W/STP-03, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.01)	mg/L
28.	Manganese as Mn	VEL/W/STP-03, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.01)	mg/L
29.	Nickel as Ni	VEL/W/STP-03, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.012)	mg/L
30.	Arsenic as As	VEL/W/STP-03, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.005)	mg/L
31.	Vanadium as V	VEL/W/STP-03, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.002)	mg/L
32.	Lead as Pb	VEL/W/STP-03, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.005)	mg/L
33.	Chromium as Cr^{+6}	IS 3025 (P-52)	BLQ(LOQ-0.05)	mg/L
34.	Chromium as Cr^{+3}	IS 3025 (P-52)	BLQ(LOQ-0.05)	mg/L
35.	Selenium as Se	VEL/W/STP-38, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.08)	mg/L
36.	Cadmium as Cd	VEL/W/STP-38, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.002)	mg/L
37.	Mercury as Hg	VEL/W/STP-35, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.0006)	mg/L
38.	Total Chromium as Cr	VEL/W/STP-39, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.002)	mg/L
39.	Total Coliform	IS 1622	27	MPN/100ml
40.	E. Coli	IS 15185:2016	Absent	Per 100ml

Note-BLQ-Below Limit of Quantification, LOQ-Limit of Quantification, NFS-Sterility Testing Faculty

End of Report

NITIN KUMAR
24/01/24
24/01/2024

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Test Report

Sample Number:	VEL/2024	Report No.:	VEL/2024/10031
Name & address of the Project:	JSW Nathnagar Power Generating Company (JPGC) Shivaganj, P.O.-Adhoura Railway Station, Bihar Jarangdih, Bihar-813208, India	Format No.:	F/R/568
		Party Reference No.:	4900534185495-SUB Dated 28.05.2024
		Reporting Date:	24/08/2026
		Period of Analysis:	19/08/2026 to 24/08/2026
Sample Description:	Surface Water	Receipt Date:	19/08/2026
Sample Location:	Sector: Karma Pond	Sampling Date:	18/08/2026
Sample Collected by:	Vardan Envirolab Representative	Sampling Quantity:	2.0 Ltr
Preservation:	Refrigerated	Sampling Type:	Grab
Sampling and Analysis Protocol:	APHA & IS	Parameter Required:	As per Attachment

S. No.	Parameter	Test Method	Result	Unit
1.	pH @ 25 °C	IS: 3025 (P-11)	7.43	-
2.	Temperature	IS:3025 (P-9)	28.5	°C
3.	Electrical Conductivity	IS: 2936 (P-14)	346	µS/cm
4.	Turbidity	IS: 3025 (P-10)	3.4	NTU
5.	Total Dissolved Solids	IS: 3025 (P-16)	173.0	mg/l
6.	Total Suspended Solids	IS: 3025 (P-17)	3.4	mg/L
7.	Dissolved Oxygen	IS: 3025 (P-38)	6.5	mg/L
8.	BOD @ 3 Days at 27°C	IS 3025 (P-4)	2.0	mg/L
9.	Chemical Oxygen Demand	APHA 5220 B Open Reflux Method	21.50	mg/L
10.	P-Alkalinity	IS: 3025 (P-23)	Nil	mg/l
11.	M-Alkalinity	IS: 3025 (P-23)	20.16	mg/L
12.	Calcium Hardness	IS: 3025 (P-40)	82.82	mg/L
13.	Magnesium Hardness	APHA 3500 Mg B	35.82	mg/L
14.	Total Hardness	IS: 3025 (P-21)	10.34	mg/L
15.	Sodium	IS: 3025 (P-45)	18.89	mg/l
16.	Potassium	IS: 3025 (P-45)	4.5	mg/L
17.	Sulphate as SO_4	IS: 3025 (P-24)	16	mg/L
18.	Nitrate as NO_3	IS: 3025 (Part: 34) Spectrophotometric Method	2.3	mg/l
19.	Fluoride as F	APHA 4500 F D	0.39	mg/L

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Test Report

Sample Name as: VEL/W/1			Report No.: VEL/W/2501/0001	
S. No.	Parameter	Test Method	Result	Unit
20.	Chloride as Cl	IS: 3025 (P-32)	12.35	mg/L
21.	Reactive Silica	IS: 3025 (P-35)	8.46	mg/L
22.	Cyanide as CN	IS: 3025 (P-27)	<.10	mg/L
23.	Total Organic Carbon	IS 3025 (P-44)	6.46	mg/L
24.	Boron	VEL/WS-P-B, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.30)	mg/L
25.	Iron as Fe	VEL/WS/P-Fe, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.30)	mg/L
26.	Copper as Cu	VEL/WS/P-Cu, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.002)	mg/L
27.	Zinc as Zn	VEL/WS/P-Zn, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.30)	mg/L
28.	Manganese as Mn	VEL/WS/P-Mn, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.10)	mg/L
29.	Nickel as Ni	VEL/WS/P-Ni, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.002)	mg/L
30.	Arsenic as As	VEL/WS/P-As, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.005)	mg/L
31.	Vanadium as V	VEL/WS/P-V, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.002)	mg/L
32.	Lead as Pb	VEL/WS/P-Pb, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.002)	mg/L
33.	Chromium as Cr	IS:3025 (P-52)	BLQ(LOQ-0.01)	mg/L
34.	Chromium as Cr^{6+}	IS 3025 (P-52)	BLQ(LOQ-0.005)	mg/L
35.	Sulphide as S	VEL/WS/P-S, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.003)	mg/L
36.	Cadmium as Cd	VEL/WS/P-Cd, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.002)	mg/L
37.	Mercury as Hg	VEL/WS/P-Hg, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.00001)	mg/L
38.	Total Chromium as Cr	VEL/WS/P-Cr, Issue No. 01, 01/11/2023-2023	BLQ(LOQ-0.30)	mg/L
39.	Total coliform	IS 1622	22	MPN/100ml
40.	E. Coli	IS 15185:2016	Absent	Per 100ml

Note: BLQ: Below Limit of Quantification, LOQ: Limit of Quantification, NTF: Neither Toxic Nor Fatal

End of Report

NITIN KUMAR
Sr. Manager

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(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)
(Formerly National Thermal Power Corporation Ltd.)

नबीनगर / Nabinagar
दिनांक/Date: 11.07.2025

Circular

On the occasion of World Environment Day, Hon'ble Prime Minister Shri Narendra Modi launched the 'Ek Ped Maa Ke Naam' campaign - a unique initiative combining environmental responsibility with a heartfelt tribute to mothers. This campaign was inaugurated on June 5, 2024, with the planting of a Peepal tree by the Prime Minister at Buddha Jayanti Park, New Delhi.

In alignment with this national initiative and in compliance to the Environmental Clearance (EC) conditions of Stage-II of NSTPP, Nabinagar, the Environment Management Group (EMG) proposes to rename the existing Birthday Plantation Program as:

'Ek Ped Maa Ke Naam'

This rebranding aims to honour the nurturing role of mothers and their contribution to sustaining life, while reinforcing our commitment to a greener and healthier planet.

The NSTPP Horticulture team of Township Administration deptt. will co-ordinate said plantation activity including identification of location & arrangement of plant (sapling) with prior information to concerned.

Let us come together to make this initiative a resounding success by planting a tree in honour of our mothers, we take a step towards a sustainable future.

Henceforth, the plantation being done on Birthday of the employees will be named as "Ek Ped Maa Ke Naam" campaign.

BAgrawal 11/07/25

Environment Management Group
NSTPP, Nabinagar

1. Executive Secretary to ED (NSTPP) – For kind information to ED-NSTPP
2. CGM – O&M
3. GM – Operation / Maintenance
4. All HODs
5. All NSTPP Employees (through Intranet)


नबीनगर सुपर थर्मल पा
Plant4Moth
प्रकृति का मान ब
GPS Map Camera
Rahra, Bihar, India
Q574+f6v, Rahra, Bihar 824101, India
Lat 24.763565° Long 84.155003°
28/07/2025 11:19 AM GMT +05:30
Google


नबीनगर सुपर थर्मल पावर प्रोजेक्ट
Plant4Mother
प्रकृति का मान बढ़ाएं
GPS Map Camera
Sibanpur, Bihar, India
Q555+xmf, Sibanpur, Bihar 824304, India
Lat 24.76066° Long 84.156932°
17/09/2025 10:36 AM GMT +05:30
Google

Vision Document of Nabinagar STPP Stage-II (3x800MW)

The Nabinagar Super Thermal Power Project was conceived and constructed by NPGCL, a joint venture company of NTPC Limited and BSEB (Government of Bihar). Subsequently, NPGCL was merged with NTPC Limited in 2022 With the commissioning of Stage-I units (3 x 660 MW) at Nabinagar. NTPC Nabinagar has an installed capacity of 1980 MW under Stage-I based on super critical technology. Establishment of Nabinagar STPP Stage-II (3x800 MW) based on ultra-super critical technology is another step towards achieving the mission of NTPC. It is expected to be more efficient than super critical units, which shall also help reduce the CO_2 intensity of power generation. NTPC plans to maximise the capacity of the project by the addition of 3x800MW Ultra Super Critical unit as Stage-II.

Nabinagar STPP subscribes to the vision of the parent company, i.e., NTPC Limited,

"TO BE THE WORLD'S LEADING POWER COMPANY, ENERGIZING INDIA'S GROWTH."

In order to realize the above, the company has adopted the following mission:

"PROVIDE RELIABLE POWER AND RELATED SOLUTIONS IN AN ECONOMICAL, EFFICIENT AND ENVIRONMENT FRIENDLY MANNER, DRIVEN BY INNOVATION AND AGILITY."

NTPC is India's largest energy conglomerate with roots planted way back in 1975 to accelerate power development in India. Since then, it has established itself as the dominant power major with presence in the entire value chain of the power generation business. From fossil fuels it has forayed into generating electricity via hydro, nuclear and renewable energy sources. This foray will play a major role in lowering its carbon footprint by reducing greenhouse gas emissions. To strengthen its core business, the corporation has diversified into the fields of consultancy, power trading, training of power professionals, rural electrification, ash utilisation and coal mining as well. NTPC became a Maharatna company in May 2010.

At present total installed capacity of NTPC Group is 82082 MW, comprising of 53 NTPC owned stations (27 coal based, 7 gas based, 1 hydro, 1 small hydro, and 16 solar PV) and 42 Joint Venture/Subsidiary stations (9 coal based, 4 gas based, 8 hydro, 1 small hydro, 16 solar PV and 4 wind) projects.

NTPC has formulated a long-term Corporate Plan to become a 130 GW company up to 2032 with diversified fuel mix and a 600 BU company in terms of generation. By 2032, non-fossil fuel-based generation capacity shall make up nearly 50 % of NTPC's portfolio. NTPC has been operating its plants at high efficiency levels. As on 31.03.2023 the company has 17 % of the total national installed capacity and, it contributes 25 % of total power generation of India due to its focus on high efficiency.

Uniquely built on NTPC's vision, our sustainability strategy i.e. The Brighter Plan 2032 aims to accelerate NTPC's efforts in leading the energy transition to a decentralized, decarbonized and digitalized energy future on TBL (Triple Bottom Line) framework and setting new benchmarks in sustainability along the entire energy value chain.

The Brighter Plan 2032 is an integral part of NTPC's core business strategy i.e. Corporate Plan 2032 and aligned with the United Nations Sustainable Development Goals and India's NDCs and other commitments for Sustainability. It provides a broad framework for the company's priorities to meet the challenges in seven focus areas (priority material issues) i.e. Decarbonisation & Air emissions control, Water & Biodiversity Conservation, Circular Economy, Health and Safety, Community Development, Strong Finance & Ethics and Sustainable Supply Chain.

The plan focuses on ensuring the sustainability of NTPC's business operations through co-creating innovative and sustainable solutions for better and greener energy future, leading to profitable business growth, reduced costs and mitigating risks of doing business in VUCA world. This will enable NTPC in delivering a Progressive Business, Greener Environment and Enriched Lives to create shared value for all.

Apart from generating reliable, quality power essential for the development of national economy, expansion of Nabinagar STPP shall also help in the growth of the Eastern Region. The vision statement actualization plan for Nabinagar STPP is briefly described as follows:

	NTPC's Vision Statement	**Vision Statement Actualization at Nabinagar STPP Stage-II**
1.	Provide reliable power and related solutions in an economical manner	Sustainable power generation maintaining high standards of efficiency and financial strength, over the design life (25 years) and extended life of the project through suitable Renovation and Modernization Programmes from Time to Time.
2.	Efficient and environment friendly operations, driven by innovation	Use of super critical technology for power generation, compliance with environmental norms and conservation of natural resources like water, land, fuel. Large scale afforestation with local species around the project as far as possible.
3.	Agility	Contribution in faster growth of company while increasing efforts on Community Development & Corporate Social Responsibility.

At NTPC, People before Plant Load Factor is the mantra that guides all policies. The same is reflected through the three parts of the vision statements of NTPC (as a whole) as well as Nabinagar STPP – Economy, Environment for Everyone. The concept of Corporate Social Responsibility is deeply ingrained in NTPC's culture. Through its expansive CSR initiatives, NTPC strives to develop mutual trust with the communities that surround its power stations.

Nabinagar STPP is committed to supply quality power keeping in view of a cleaner and healthier environment around the project. The existing Nabinagar STPP Stage-I project has created milestones in CSR/CD for welfare of society. The expansion project will adopt the vision of conservation of pure drinking water sources, clean and calm surroundings, sustainable economic development and natural resource conservation. A continuous surveillance program on all important environmental parameters is being framed from the pre-feasibility stage with particular reference to the prevailing national standards.

In order to translate the visions of NTPC into reality, following specific programs are envisaged:

Sr No	NTPC Vision Statement Elements	Nabinagar STPP's Specific Programs undertaken / planned
1.	Sustainable power generation maintaining high standards of efficiency and financial strength, over the design life (25 years) and extended life of the project through suitable Renovation and Modernization Programmes from Time to Time	1. Timely commissioning of the project. 2. Operation at high PLF 3. Continual improvement in efficiency and PLF through efficient operation and maintenance and renovation and modernization programs from time to time gaining extended life of the project. 4. Certification of Project with ISO: 9001/14001/45001,5S.
2.	Use of super critical technology for power generation, compliance with environmental norms and conservation of natural resources like land, water, fuel etc.	1. Commissioning of all pollution control systems (for air pollution control, water pollution control and noise pollution control), ACC along with the commissioning of plant. 2. Implementation of Ash Utilization Plan. 3. Implementation of Zero Liquid Discharge (ZLD) System by Effluent Treatment, reuse & recycling of effluents. 4. Compliance with Environmental Norms and Standards. 5. Certification of Project with ISO: 14001. 6. Surveillance of all important environmental parameters on a continuous basis and apply corrective measures. 7. Large scale afforestation around the project as an effective mitigation mechanism.
3	Implementation of NTPC Environment, Water & Rainwater Policy.	1. Design and construction of power project considering the objectives of these policies viz. NTPC Environmental, Water and Rainwater Harvesting Policy. 2. Achieve stewardship in environmental protection.

4.	Community Development & Corporate Social Responsibility	1. Construction of RCC roads for nearby villages 2. Pond rejuvenation works in nearby villages by removing waste, desilting Etc 3. Implementation of CSR Plan for local public as per details agreed with the State Govt. and other stakeholders. 4. Activities under Corporate Social Responsibility for improving health care, capacity building, education etc. with special focus on women empowerment, physically challenged & economically weaker section of the Society. 5. Skill based training to local employable youth. 6. Construction of Anganwadi building/additional rooms/renovation in Govt schools, playgrounds, scholarships, labs in Govt. schools, sports etc. 7. Construction/renovation of village roads, drains, bus stops, ponds etc. 8. Provision of drinking water by construction of Water tanks, pipelines, in nearby villages. 9. Provision of health services through medical camps, Up-gradation of medical facilities, mobile medical van etc. 10. Assistance for construction of Toilets and other activities under 'Swachh Bharat Abhiyan', for implementation of sanitation activity in Govt. Schools. 11. Electrification through Solar streetlights & other solar equipment's. 12. Distribution of seedlings/ plants in nearby villages.

BAgrawal 30/06/25

बृजेन्द्र अग्रवाल/ Brijendra Agrawal
अपर महाप्रबंधक (टी०एस०)
Addl. General Manager (Technical Services)
एन.टी.पी.सी./N.T.P.C.
नबीनगर सुपर थर्मल पावर स्टेशन
Nabinagar Super Thermal Power Station

Pointwise Status to Issues Raised during Public Hearing for NSTPS, Nabinagar Stage-II (3x800 MW)

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
1.	Shri Bhola Yadav, Village: Lakhepur, Aurangabad:	In the interest of local farmers, their basic facilities like irrigation facilities should be restored, during construction of national highways dust particles spread on the roads due to fly ash and its cleaning water sprinkling facility should be provided on the roads. The employment of local citizens and the solution of family dispute should be found soon and the concerned should be given annuity benefits. This area should be connected to Employees State Insurance Corporation (ESIC) and arrangements for	1.1 – Irrigation facility - NTPC Nabinagar will approach to Minor Irrigation Department, Govt. of Bihar to resolve the issue of irrigation of farmers land. 1.2 NTPC Nabinagar has taken care to cover the ash while transporting through Hywa for construction of National Haighay and arrangements have been made for continuous sprinkling of water through tankers and clearing of the route of transportation. 1.3 Annuity to PAPs - As per decision taken with farmers (Project affected persons), annuity is being provided through LIC of India. So far, annuity is being paid to 1610 PAPs and the payment of annuity to 110 PAPs will started by Feb-March-2025.	Irrigation issue to be taken up with irrigation department, Govt. of Bihar. Action taken for water sprinkling as per site requirement every year. Under Implementation	- 25.00 --	6-12 months. On regular basis 2 months to12 Months	1.1State Govt has already sanctioned irrigation facility for villagers for which NTPC has providing land. 1.2 NTPC is ensuring Covering of Hywa before leaving NTPC premises. Further regular water sprinkling of road is being done. 1.3Till date annuity for 1771 PAPS started. Annuity in progress.

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
		opening a hospital should be ensured.	1.4 **The project of NTPC Nabinagar is based on State-of-Art technology, hence the possibility of direct employment will be limited**. However, during the construction of the project, maximum priority is being given to the locals residing in nearby villages through indirect employment. **1.5** Presently, Aurangabad district is not notified under ESIC area. NTPC Nabinagar has requested the Regional Office of ESIC to notify Aurangabad district through letter No.0370/NSTPS/ER/01 –dtd.03.12.2024, so that the workers may get health benefits.	Under Implementation Under Implementation		0-5 years 0-1 Year	1.4 Employment 297no's of unskilled labour provided in Stage-II in construction Phase. 1.5 Central Govt has declared District Aurangabad for ESIC.
2.	Shri Mudrika Singh Yadav, Sheikhpura, Aurangabad	Employment should be provided to local unemployed children as per their qualification and the annuity benefit amount of the farmers	2.1-Please refer reply given at **Key Issue 1.4 Employment.** 2.2 – NTPC will approaches the balance PAPs to submit the	**--** Under Implementation.	--	-- 1-2 years	

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
		should be paid as soon as possible.	details and relevant documents to start the annuity benefits.				
3.	Shri Arun Kumar, Village: Madhe, Aurangabad	The labourers dependent on the land acquired under the proposed project should be identified and their 750 days minimum agricultural wage (MAW) should be paid as soon as possible. Village Health Centre in Ankorha, free electricity to villagers, increase in employment opportunities for youth, arrangement of sprinkling of water to prevent dust emission from fly ash, plantation of more and more trees, halting of trains at Ankorha station, arrangement of payment for 3.5 acres of land of Radhe	3.1 – The process of land acquisition for setting up the project was done in the year 2011-12, which is already completed. The list of dependent labourers has not been provided by the district administration. 3.2 – **Health Centre at village Ankorha** - Additional primary Health Centre building has been completed in village Ankorha under CD scheme of NTPC. Action will be taken up with State health department to start in this year. 3.3 **– Free electricity to local citizens**. NTPC is not authorised to distribute electricity under the Electricity Act-2003.	-- Under Implementation -- --	-- 94.00 -- --	-- 2-6 months -- --	3.1 NTPC awaiting for detail of dependent labours from district authorities for further action. 3.2 Health Centre at Ankhora village work has been Completed & Handed over. ---

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
		Krishna temple of Madhe village should be ensured. .	3.4 - Please refer reply given at **Key Issue 1.4 Employment.** 3.5 -Please refer reply given at Key Issue – 1.2 - **Fugitive dust emission** Till now, NTPC, Nabinagar has planted around 2,30,000 tree in a planned manner in the area around/out side the plant and work of planting trees will be done regularly in future also so that the environment remains clean. 3.6 – **Stoppage of Train at Ankorha**- NTPC management will request the higher level of railway administration for stoppage of trains at Ankroha railway station.	 Additional Approx 7,00,000 Lakh Trees will be planted in around of plant. --	-- 6767.00	-- 1-8 years 2-3 months	---- 3.5)77,000 no's of sapling plantation work completed In FY 2025-26. 3.6) A letter has been issued on 18.01.2025 to the concerned Railway Authorities requesting stoppage of passenger trains at Ankhora Railway Station in compliance with commitments

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
							made during the Public Hearing. Further, stoppage of the following trains has been proposed from October-25: • Train No. 18611 • Train No. 18612
			3.7 – The land compensation payment of Radhe Krishna temple will be taken up with district land acquisition department after receipt of required documents from claimants.	Under Implementation	--	0-12 months	3.7) No claims has been received from Claimants.
4.	Shri Rameshwar Singh, Village: Shivanpur, Aurangabad	Urged to stop trains at Ankorha station and provide employment to the children of farmers.	4.1 - Please refer reply given at **Key Issue 3.6 Stoppage of train at Ankorha railway station.**	-- --		-- --	

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
			4.2 - Please refer reply given at **Key Issue 1.1 Employment.**				
5	Shri Satish Singh, Village: Simara Dusadh, Aurangabad:	Drew attention towards setting up of ROB in village Simara Dusadh. Construction of Surya Mandir Pond in village Kanker and Badem and maintenance of water reservoirs to make environment free from possible pollution.	**5.1 - Key Issue ROB– ROB at Ankorha, Simra & Badki Salaiya** - A request will be made at high level to the Railway Management for ROB in village Ankorha, Simra & Badki Salaiya. 5.2 – The work of renovation of pond in village Kanker and Badem has been done through NTPC Community Development Program / CSR.	Under Implementation (is being taken up with Indian Railways on deposit basis as per railway Norms) Renovation of pond in village Kanker and Badem is already been taken up be nearby project.	-- 80.00	-- 1-3 years	5.1)The Matter was discussed with Senior railway officials and their technical team have visited on Dt 03.06.25 the site for feasibility analysis. 5.2) Kanker & Badem pond renovation has already been under-taken by BRBCL project in Fy 2024-25. Further, Pond rejuvenation work at Shivanpur and Ankorha has additionally been undertaken.

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
			5.3 Scientific study is being conducted for the maintenance of water bodies available in the area around NTPC project. Based on the recommendations of the study, proper arrangements will be made for the maintenance of water bodies.	Scientific Study	16.00	1-3 years	5.3)Hydrogeology study in progress thru IIT Roorkee.
6.	Shri Wakil Singh, Village: Meh, Aurangabad	Added construction of high technology library in the affected village, solution of basic problems of villagers, arrangement for sprinkling of water on the roads, arrangement of free electricity to local citizens, annuity benefits to all farmers, renovation of ponds under CSR scheme, arrangement of streetlights, reduction	6.1 – If land is made available by the Gram Panchayat, NTPC will construct library in the village under Community Development / CSR scheme. 6.2 - Please refer reply given at **Key Issue 1.2 – Fugitive dust.** **6.3 –** Please refer reply given at Kay Issue 3.3 – Free electricity to local citizens.	6.1 Library has been set up in six primary government schools. -- --	40.00	3-4 years -- -- --	6.1)Land not provided by Gram Panchayat Meh till date. -- -- --

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
		of fee of Bal Bharti Vidyalaya and increasing the seating capacity in Kendriya Vidyalaya.	6.4 - Please refer reply given at Key Issue 1.3 – Annuity to farmers. 6.5 – **Renovation of Pond** – Scheme related to pond and street light will be done under community development work / CSR. At present, ponds in village Kurwa, Salaiya, Narari Khurd and Madhe have been renovated at a cost of Rs.1.10 crore and tender process is being done for renovation of ponds in village Ankorha and Shivanpur and process has been started to install solar high mast light at 21 places in the villages. 6.6 – The Balbharti School fee has been decided by the school management committee considering the salary and other relevant factors as per statutory provision and sanction of school capacity in Kendriya Vidalaya being decided by the Education department, GOI.	Pond Renovation works(Shivanpur Ankhora) already undertaken through CD/CSR work. Installation of solar high mast light at 21 places in the villages --	70.00 37.00	1-3 years 1-2 years --	6.5)Pond rejuvenation work at Shivanpur and Ankohra has additionally been under taken in FY 2026-27. Procurement for installation of solar high Mast has been awarded work is in progress -

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
7.	Shri Annu Yadav, Mukhiya, Village: Meh, Aurangabad	The proposed project is between Nabinagar and Barun Blocks. He requested to name this project as “Nabinagar Barun Thermal Power Plant”. He suggested to establish medical and engineering college in the said area in the interest of the children of farmers.	7.1 – The process of NTPC Nabinagar is registered as Nabinagar Super Thermal Power Project. 7.2 – The sanction of a medical college and an engineering college in this area is under the ambit of State Government.	-- --		-- --	-
8.	Shri Brijmohan Singh, Mukhiya, Village: Mahuon, Aurangabad	At least one person from every PAP family should be given employment.	8.1 - Please refer reply given at **Key Issue 1.4 Employment.**	--		--	
09.	Shri Birendra Singh, Sarpanch, Village: Mahuon, Aurangabad	Cases have been filled against several villagers which should be withdrawn.	9.1 – The removal of court cases under the jurisdiction of the competent court.	--		--	
10.	Shri Raj Kumar, Village:	Employment to the children of displaced families under the	10.1 - Please refer reply given at **Key Issue 1.4 Employment.**	--		--	

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
	Ankorha, Aurangabad:	proposed project, reduction of education fees by 40-50% in Kendriya Vidyalaya and Bal Bharti Vidyalaya. He presented this proposal regarding stoppage of trains at Ankorha Station, land acquisition related to farmers, CSR and early completion of the health centre under construction at Ankorha.	10.2 - Please refer reply given at **Key Issue 6.6 – School Fee related.** 10.3 - Please refer reply given at Sl.No **3.6 Stoppage of train at Ankorha railway station.** 10.4 – The refer cases towards the land acquisition being decided by the competent court. 10.5 **CSR** – The CSR scheme is being implemented in the surrounding villages under the CSR policy of NTPC and the directives of the Govt. of India, Till date, NTPC Nabinagar has implemented developmental activities under CSR and community development. for Rs.70.88 crores 10.6 – Please refer reply given at **Key Issue 3.2 – Health Centre at Ankorha village.**	-- -- -- Implemented. --		-- -- -- -- --	10.5) Budget of Rs 419.50 lakhs has been sanctioned in FY2025-26 in different areas covering Education, Health, Water, Rural Infrastructure All works under progress.

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
11.	Shri Lav Kumar, Up Pramukh, Nabinagar, Aurangabad:	Proposed to provide maximum employment to the local people, community development and further development of local area through CSR, construction of ROB at Ankorha and Salaiya and linking of ROB with Bharat Mala Project at Simra village.	11.1 - Please refer reply given at **Key Issue 1.4 Employment.** 11.2 – **CSR & CD works** – The scheme is being implemented under the CSR policy of NTPC, in which most of the development works are being done in the surrounding villages. 11.3 –Details of implementation of ROB Please **refer sl. No.5.1**	-- -- Correspondence with railways regarding ROB	-- -- --	-- -- 2-3 months	
12.	Shri Baleshwar Singh, Village: Khaira, Aurangabad:	Proposed irrigation facilities to farmers, employment opportunities to the unemployed, proposal of bulb corridor by railway and renovation of the big pond in Khaira by NTPC.	12.1 - Please refer reply given at **Key Issue 1.1 Irrigation facility to farmers.** 12.2 – The process related to land acquisition for construction of Bulb Corridor has been done by Indian Railways.	-- --	-- --	-- --	

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
			12.3 – The work of renovation of ponds and arrangement of Solar lights will be done through NTPC's Community Development / CSR.	Pond renovation in Khaira Village. Solar lights installation in Khaira village.	45.00 5.00	1-2 years 1-2 Years	12.3) Proposal is under approval shall be taken up in Fy 26-27.
13.	Shri Radhe Prasad Yadav, Village: Meh, Aurangabad:	A proposal was made to provide irrigation facilities to farmers, free electricity, benefits of CSR scheme to villagers on a general basis, beautification work in Amba and Meh and proper solution to the problem of ash in the surrounding area by NTPC Management.	13.1 - Please refer reply given at **Key** Issue 1.1 Irrigation facility to farmers. 13.2 – Please refer reply given at Sl.No.3.3 - Free electricity to local citizens. 13.3 – The benefit of CSR scheme is being provided to all the concerned villages. The CD work in Amba being taken under Community Development program. In village Meh, various CD works has already completed up like Construction of APHC, Village road and hand pumps.	-- -- Community development activities already taken up in Amba for village road. --	-- -- 38.00	-- -- 1-2 Years --- ---	13.3) 95 % road work has been completed. --

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
			13.4 - Please refer reply given at Key Issue 1.2 – Fugitive dust.				
14	Shri Sunil Gupta, Village: Meh, Aurangabad	Suggested for proper sprinkling of water on Barun-Nabinagar road, free electricity, identification of labourers and providing them minimum wages, focus on CSR project and withdrawal of case filed against local citizens.	14.1 – Sprinkling of water on road - Ash transportation is carried out either through tarpaulin covered vehicles or through Closed container vehicles in line with environmental norms. The concerned transport agency regularly sprinkle water on Haulage Road by Tankers due to which the possibility of dust generation is minimized and the project affected people are also getting employment. 14.2 - Please refer reply given at Sl. No. 3.3 – Free electricity to local citizens. 14.3 – Please refer reply given at Sl. No.3.1-Regarding Identification of labourers 14.4 – Please refer reply given at Sl.No.11.2 – CSR project.	-- -- -- --		-- -- -- --	

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
			14.5 – Please refer reply given at 9.1 – Case filed against local citizens.	--		--	
15.	Shri Mantu Yadav, Village: Shivanpur, Aurangabad	Suggested to provide employment to the unemployed, to construct a hospital in Ankorha soon, to construct Chaurahi Baba temple and to prepare a sports team by NTPC.	15.1 - Please refer reply given at Sl.No.1.4 – Employment. 15.2 – Please refer reply given at Sl. No.3.2 – Health Centre at Ankorha. 15.3 – Proposal for re-location of old Chaurahi Baba (statue) will be taken up with district administration. 15.4 – NTPC will prepare a plan for promotion of sports sector and provide facility through community development/CSR.	-- -- New worship place has developed by NTPC. Playground in village- Tetaharh being done through CSR scheme.	-- -- 10.00 85.00	-- -- 1-3 years 6-12 Months	15.3) Issue has been taken up with District Administration. 15.4) 95 % of Stadium work completed at Tetaharh. And Rural Sports activities were conducted by NSTPP in nov-2025 in which 350+ students of 22 PAV participated.

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
16.	Shri Subodh Singh, Village: Madhe, Aurangabad	The cases filed against the villagers should be withdrawn, the land related cases in Gaya Could should be brought to Aurangabad Court and the amount should be paid on the basis of verification of records.	16.1 – Pl refer reply sl 9.1 related to court cases. Further issue related to transfer of cases from Gaya court to Aurangabad is jurisdiction of the competent court.	--	--	--	
17.	Shri Vijay Kumar Singh, Village: Madar, Aurangabad	Arrangements should be made for drainage of water logging in Madar village during rainy season and suggested construction of culvert.	17.1 - The construction of culvert in village Marar will be done under CSR scheme.	Construction of culvert in Madar Village. Under progress.	13.00	6 months	17.1) Culvert construction work Completed at Madar village.
18.	Shri Birendra Kumar Singh, Village: Madhe, Aurangabad	Suggested that the benefits related to displaced persons should be given to the landowners and their sons also.	18.1 - Benefits are being provided to the family of farmers under the Rehabilitation & Resettlement policy of NTPC.	--	--	On regular basis.	
19.	Shri Sanjay Giri, Village: Ankorha	Suggested to provide employment to local poor families, children	19.1 - Please refer reply given at Sl.No.1.4 – Employment.	--	--	--	

S.L.	Name/Smt./ Shri/Address.	Comments, Questions/ Objections and Suggestions from citizens/ members/ villagers	Response and comments from NTPC Nabinagar Project Proponent	Action Plan	Budget Rs in lakhs	Timeline	Status
	Panchyat, Aurangabad	of displaced and affected families and to stop the trains at Ankorha Station.	19.2 – Please refer reply given at Sl. No.3.6 – Stoppage of Train.	--	--	--	
				Total Amount in lakhs	7325.00		

Community Development works update

- NTPC Nabinagar



Construction of Public Health Centre (APHC)in Ankorha village



- **LIBRARY SETUP IN GOVT SCHOOLS**







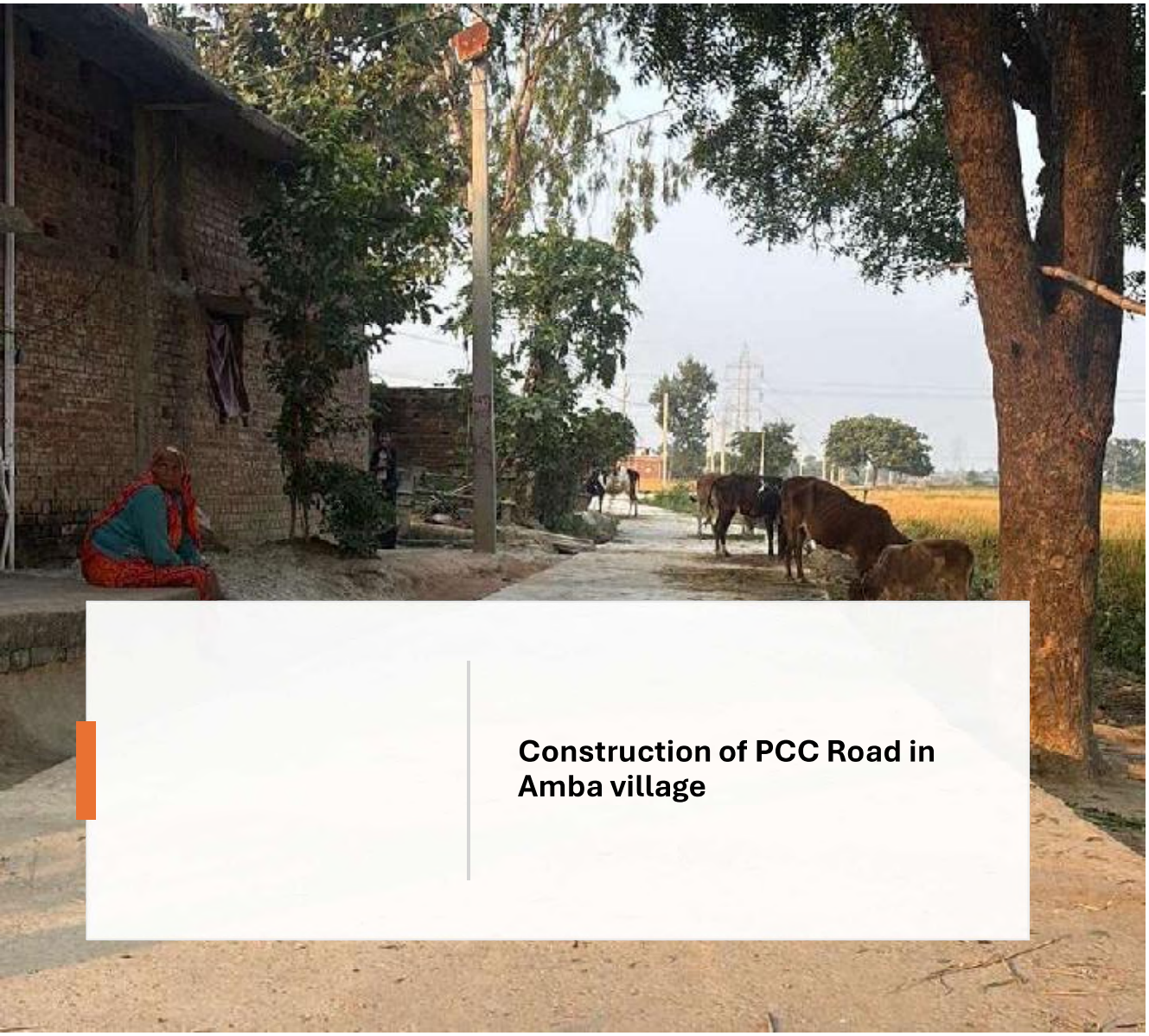
Pond rejuvenation and Ghat construction in Shivanpur village







Construction of Bridge Culvert in Madar village



Construction of PCC Road in Amba village







Construction of playground in Tetarharh village















- Rural Sports Week

Organized by NSTPP, Nabinagar

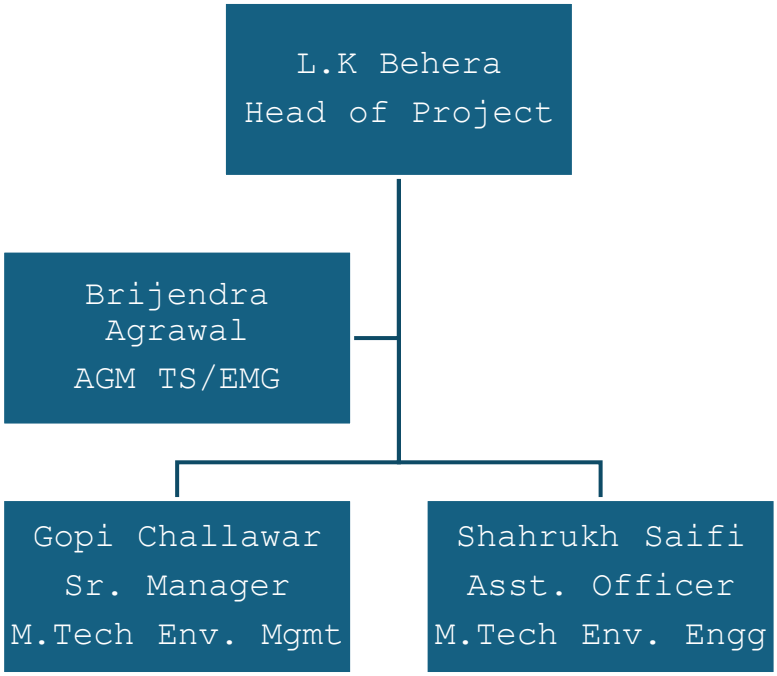


Thank You

Follow us on: /ntpc1 /ntpcltd1 /ntpclimited /Company/ntpc /ntpclimited

Complaints	Action Taken
Fugitive dust emission	Water sprinkling is being done on daily basis on Ash Dyke. Earth spreading over top of ash bed at Dyke. Out of 3 lagoons 2 lagoons submerged in water. 8 Nos. water tanker deployed for controlling of fugitive dust emission in and around ash dyke areas. Overloading of hywas is being ensured on regular basis to avoid spill-over of ash on road surfaces. Fly ash bulkers washing system installed and is operational to control fugitive emissions. Clearing of spill over ash on road, if any, is being ensured. Plantation done around Ash Dyke area. Further being undertaken.

Environment management Group Chart



BIHAR STATE POLLUTION CONTROL BOARD
Parivesh Bhawan, Patliputra Industrial Area
P.O: Sadaquat Ashram, Patna-800010
EPABX - 0612-2261250/2262265, Fax - 0612-2261050
E-mail- msbspcb-bih@gov.in, Website -http:// bspcb.bihar.gov.in

Ref. No. Patna, Dated:

CONSENT -TO - ESTABLISH (NOC)

UNDER SECTION 25/26 OF THE WATER (PREVENTION AND CONTROL OF POLLUTION) ACT, 1974 AND 21 OF THE AIR (PREVENTION AND CONTROL OF POLLUTION) ACT, 1981

REFERENCE:

Reference Online Application ID- 10662725, **dated** 04.04.2025 **of** M/s Nabinagar Super Thermal Power Project **(3x800 MW)** M/s NTPC Limited, **Sri Ladu Kishor Behera, At- Nabinagar Super Thermal Power Project Limited, P.O.- Aditi Nagar, Nabinagar, District- Aurangabad** (Bihar) **for Expansion of existing 1980 MW (3x660 MW) Nabinagar Super Thermal Power Project by addition of 3x800 MW Unit (Stage-II), At- Village- Majhiyawan, P.O.- Ankorha, District- Aurangabad** (Bihar). For capacity: Electricity- 2400 Megawatt.

AFTER CONSIDERING:

(i) **The facts stated in their application;**
(ii) **Bihar State Pollution Control Board's Notification No. 26 dated 08.11.2003 and notification no-07, dated 27.06.2011;**
(iii) **Provisions of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 : and**
(iv) **Documents uploaded by the proponent.**
(v) **E.C. Identification NO.- EC25A0601BR5459304N, File NO.- J13012/127/2007-IA.II(T, dated: 28.02.2025.**

NOC IN FAVOUR OF THE PROPONENT AT THE SAID SITE IS HEREBY ACCORDED SUBJECT TO THE FOLLOWING CONDITIONS:

General Conditions:

(i) **That, they shall obtain prior permission from CGWA for installation of bore well and abstraction of groundwater;**
(ii) **The proponent shall obtain 'Consent-to-Operate' under sections 25 & 26 of the Water Act,1974 and 21 of the Air Act, 1981 from the Board;**
(iii) **That, the proposed unit shall be established as per distance of land marks mentioned in the affidavit submitted online by the applicant or they should maintain minimum distance of land marks like Habitation, Hospital, Govt. School, Highway Road, Railway line, court and river as prescribed in sitting guidelines of the Board.**
(iv) **The height of exhaust pipe of the D.G. Set shall be as prescribed by the CPCB and the noise level shall be within the prescribed standard.**
(v) **Stack of 275m height shall be installed with the provision of the continuous online monitoring system as per the EC.**
(vi) **High efficiency ESPs shall be installed to achieve to ensure emission of particulate matter does not exceed 30 mg/Nm^3. Adequate pollution control device shall be provided in dusty area as in the EC.**
(vii) **Flue gas Desulphurization (FGD) and Selective Catalytic Reduction (SCR) shall be installed.**
(viii) **That, the unit shall installed adequate fire fighting arrangements in the unit as per the norms of fire fighting department before commissioning of the unit.**
(ix) **Online continuous monitoring system for ambient air and effluent shall be installed.**
(x) **That, unit shall install silos of adequate capacity for collection and storage of dry fly ash. No ash shall be disposed off in low lying area.**
(xi) **Ash pond shall be constructed with impervious base with HDP/LDPE Lining for collection of ash slurry.**

(xii) **Disposal of bottom ash in abandoned mines, if any, shall be as per the EC.**

(xiii) **Demand of coal and water shall be met as per the EC. The unit shall maintain specific water consumption maximum 2.5 m^3 per MWh and maintain ZLD.**

(xiv) **A well designed rain water harvesting system shall be developed.**

(xv) **The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant.**

(xvi) **A sewage treatment plant shall be provided as per the EC. No. treated water will be discharged into surface water body. The unit shall maintain Zero liquid discharge.**

(xvii) **Analysis of the raw and treated effluent shall be carried out regularly and report shall be submitted to the Board monthly.**

(xviii) **That, Tree plantation shall be done in vacant space of the campus and maintained.**

(xix) **Regular monitoring of ambient air quality shall be carried out as specified in the EC.**

(xx) **Compliance report of above conditions shall be submitted to the Board quarterly;**

(xxi) **That, in compliance of direction of the Hon'ble Supreme Court and vide Board's HQ ref no.-2638, dated 09.07.2019, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises;**

(xxii) **That, not-withstand any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under; and**

(xxiii) **That, this CTE (NOC) is granted on basis of affidavit up-loaded by the applicant and it is subject to the condition that in the event of any information/documents submitted by the proponent are found false or misleading at any stage, the NOC granted, shall be revoked at proponent's risk and cost and legal action shall be initiated**

NOTE:

i. **Bihar State Pollution Control Board reserves the option to revise or add other conditions, if necessary, for protection of Environment in general and for Pollution Control in particular;**

ii. **The present NOC should not be construed as an assurance for the grant of 'Consent-to-Operate' the proposed plant but shall be subject to compliance of all the conditions indicated above;**

iii. **The CTE/NOC, granted shall be valid for a period of one year from the date of issue.**

Sd/-
(Neeraj Narayan)
Member Secretary.

Memo no.: 720 Patna, dated: 08-7-25

Copy forwarded to: M/s Nabinagar Super Thermal Power Project **(3x800 MW)** M/s NTPC Limited, **Sri Ladu Kishor Behera, At- Nabinagar Super Thermal Power Project Limited, P.O.- Aditi Nagar, Nabinagar, District- Aurangabad** (Bihar) for information and necessary action.

08/7/25
(Neeraj Narayan)
Member Secretary.

BIHAR STATE POLLUTION CONTROL BOARD
Parivesh Bhawan, Patliputra Industrial Area
P.O: Sadaquat Ashram, Patna-800010
EPABX - 0612-2261250/2262265, Fax - 0612-2261050
E-mail- msbspcb-bih@gov.in, Website -http:// bspcb.bihar.gov.in

Ref. No.

Patna, Dated:

CONSENT -TO - ESTABLISH (NOC)

UNDER SECTION 25/26 OF THE WATER (PREVENTION AND CONTROL OF POLLUTION) ACT, 1974 AND 21 OF THE AIR (PREVENTION AND CONTROL OF POLLUTION) ACT, 1981

REFERENCE:

Reference Online Application ID- 12077598, **dated** 06.04.2026 **of** M/s Nabinagar Super Thermal Power Project **(3x800 MW)** M/s NTPC Limited, **Sri Ladu Kishor Behera, At- Nabinagar Super Thermal Power Project Limited, P.O.- Aditi Nagar, Nabinagar, District- Aurangabad** (Bihar) **for Expansion of existing 1980 MW (3x660 MW) Nabinagar Super Thermal Power Project by addition of 3x800 MW Unit (Stage-II), At- Village- Majhiyawan, P.O.- Ankorha, District- Aurangabad** (Bihar). For capacity: Electricity- 2400 Megawatt.

AFTER CONSIDERING:

(i) **The facts stated in their application;**
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(v) **E.C. Identification NO.- EC25A0601BR5459304N, File NO.- J13012/127/2007-IA.II(T, dated: 28.02.2025.**

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(iii) **That, the proposed unit shall be established as per distance of land marks mentioned in the affidavit submitted online by the applicant or they should maintain minimum distance of land marks like Habitation, Hospital, Govt. School, Highway Road, Railway line, court and river as prescribed in sitting guidelines of the Board.**
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(xiv) A well designed rain water harvesting system shall be developed.

(xv) The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant.

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(xix) Regular monitoring of ambient air quality shall be carried out as specified in the EC.

(xx) Compliance report of above conditions shall be submitted to the Board quarterly;

(xxi) That, in compliance of direction of the Hon'ble Supreme Court and vide Board's HQ ref no.-2638, dated 09.07.2019, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises;

(xxii) That, not-withstand any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under; and

(xxiii) That, this CTE (NOC) is granted on basis of affidavit up-loaded by the applicant and it is subject to the condition that in the event of any information/documents submitted by the proponent are found false or misleading at any stage, the NOC granted, shall be revoked at proponent's risk and cost and legal action shall be initiated

NOTE:

i. Bihar State Pollution Control Board reserves the option to revise or add other conditions, if necessary, for protection of Environment in general and for Pollution Control in particular;

ii. The present NOC should not be construed as an assurance for the grant of 'Consent-to-Operate' the proposed plant but shall be subject to compliance of all the conditions indicated above;

iii. The CTE/NOC, granted shall be valid for a period of Two year from the date of issue.

Sd/-
(Neeraj Narayan)
Member Secretary.

Memo no.: 546 Patna, dated: 05-5-26

Copy forwarded to: M/s Nabinagar Super Thermal Power Project **(3x800 MW)** M/s NTPC Limited, **Sri Ladu Kishor Behera, At- Nabinagar Super Thermal Power Project Limited, P.O.- Aditi Nagar, Nabinagar, District- Aurangabad** (Bihar) for information and necessary action.

05/5/26
(Neeraj Narayan)
Member Secretary.

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

NTPC Limited

Date: 10-05-2024

NTPC Limited, Nabinagar Super Thermal Power Station, PO Aditi Nagar, District

System Generated Auto Assessment for Height Clearance

1. Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order GSR 751 (E) dated 30th Sep. 2015 for Safe and Regular Aircraft Operations has assessed the site data filled by the applicant.

2. Assessment details for Height Clearance:

NOC ID :	**GAYA/EAST/B/050724/1015570**
Applicant Name*	**Vijay Pratap**
Site Address*	**Nabinagar Super Thermal Power Project Stg-II (3x800 MW) at Plot No. 705 Mouza Rahra, Anchal Nabinagar, Dist. Aurangabad, Bihar-824304**
Site Coordinates*	**24 46 08.96N 84 09 31.62E, 24 46 08.41N 84 09 33.85E, 24 46 20.31N 84 09 35.50E, 24 46 19.69N 84 09 37.79E**
Site Elevation in mtrs AMSL as submitted by Applicant*	**122.32 M**
Type Of Structure*	**Chimney**

*As provided by applicant

As the site is located at a distance of 79327 m from the Aerodrome reference point of Gaya airport and the requested top elevation is 401 mtrs, the NOC for height clearance is not required from Airports Authority of India as per GSR 751(E).

3. This assessment is subject to the terms and conditions as given below:

a. The site-elevation and site coordinates provided by the applicant are taken for calculation of the permissible top elevation for the proposed structure. If however, at any stage it is established that the actual data is different from the one provided by the applicant, this assessment will become invalid.

b. The Site coordinates as provided by the applicant in the NOC application has been plotted on the street view map and satellite map as shown in ANNEXURE. Applicant/Owner to ensure that the plotted coordinates corresponds to his/her site.In case of any discrepancy,this assessment shall be treated as null and void

c. Airport operator or his designated representative may visit the site (with prior coordination with applicant or owner) to ensure that assessment terms & conditions are complied with.

d. The assessment is further subject to the provisions of Section 9-A of the Indian Aircraft Act, 1934 and any notifications issued there under from time to time including the Aircraft(Demolition of Obstruction caused by Buildings and Trees etc.) Rules,1994.

e. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans. This assessment for height is to ensure the safe and regular aircraft operations and shall not be used as document for any other purpose/claim whatsoever, including ownership of land etc.

f. Use of oil, electric or any other fuel which does not create smoke hazard for flight operations is obligatory, within 8 KM of the Aerodrome Reference Point.

g. This assessment has been issued w.r.t. the Civil Airports as notified in GSR 751(E). Applicant needs to seek separate NOC for Defence, if the site lies within jurisdiction of Defence Airport. Applicants also need to seek clearance from state Govt. as applicable, for sites which lies in the jurisdiction of unlicensed civil aerodrome as outlined in Rule 13 of GSR751 (E).

This assessment is system auto generated and thus does not require any signature

Designated Officer

Region Name: EAST

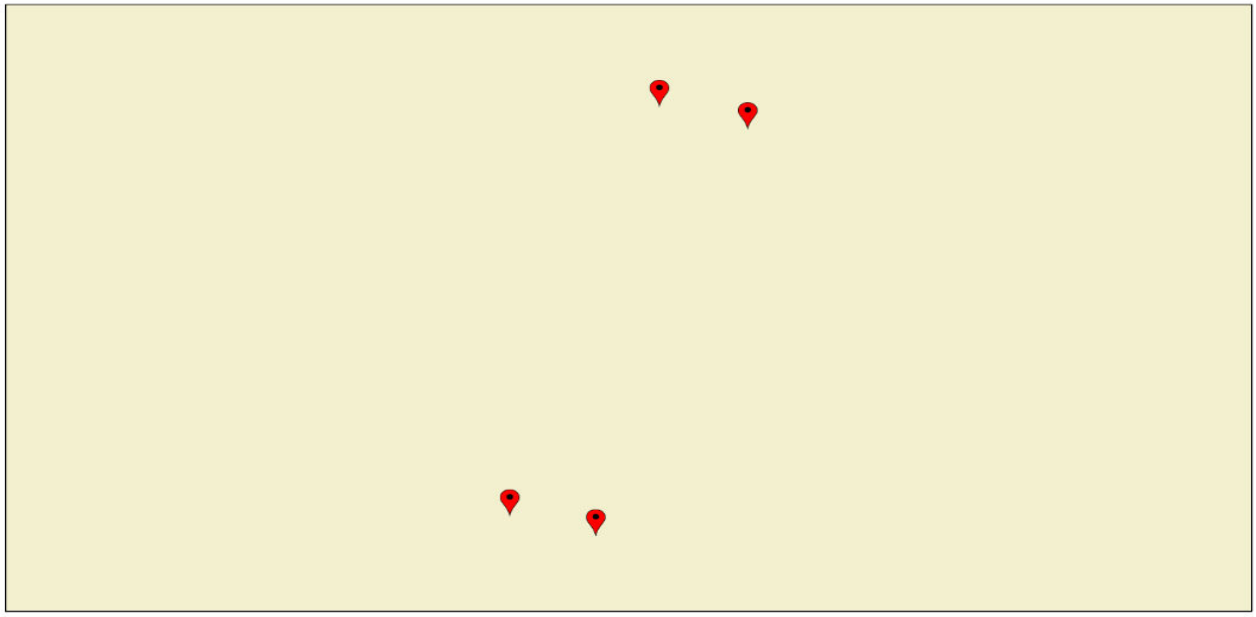
Address: General Manager Airports Authority of India, Regional Headquarter, Eastern Region, N.S.C.B.I Airport, Kolkata-700052

Email ID: gmatmer@aai.aero

Contact No: 033-25111293

ANNEXURE

Street View



May 7, 2024

1:3,600
0 0.03 0.06 0.11 mi
0 0.04 0.09 0.17 km

Satellite View



May 7, 2024

1:3,600

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
तापीय परियोजना नवीनीकरण एवं आधुनिकीकरण प्रभाग
Thermal Project Renovation & Modernization Division

विषय: Items for inclusion in the Agenda of Special TCC/RPC meeting- reg.

It is to mention that MoEF&CC has notified amended Environment (protection) Rules on 11.07.2025 thereby applicability of SO2 emission standards in thermal power plants has been revised based on their location/category. As per the above amendment, Sulphur dioxide emission standards shall not be applicable to all Category C thermal power plants subject to ensuring compliance of stack height criteria notified vide notification number GSR 742 (E), dated the 30th August, 1990.

The generating utilities would be required to review the FGD installation in consultation with Discoms at the ongoing projects at category C TPPs. To assess the financial implication arising out of the amended applicability of SO2 standards as mentioned above, agenda items as finalized by Principal Chief Engineer (PCE)-II after chairing a meeting with Gencos on 18.07.2025 and with vendors on 08.08.2025 in CEA are enclosed herewith with a request to convene a special TCC/RPC meeting at the earliest and deliberate on agenda items mentioned in Annexure-I with Gencos & Vendors and any out outcome in this regard may be intimated to this division.

This issues with the approval of Chairperson, CEA.

Encl: As above,

20.08.25
(सुरेन्द्र कुमार)
उप निदेशक

Member Secretary, NRPC/ERPC/WRPC/SRPC/NERPC

No.: CEA-TH-14-11/5/2025-TRM Division/Part(2) | 1095-1103 **Date: 19.08.2025**

Copy to:

1. Chairperson, CEA
2. Member (GO&D), CEA
3. Member (Thermal) , CEA
4. PCE-II, CEA

Annexure-I

Special TCC/RPC meeting Agenda

CEA published two reports in the year 2020 & 2021 on FGD installation across the country where advantages & disadvantages of FGD installation were analyzed and clearly stated that FGD installation across the country is unnecessary as ambient SO2 level across the country is well below the national standards (80 µg/m³). Further, installation of FGD has adverse impact on ambient air quality due to generation of secondary pollution and greenhouse gases (CO2). Considering findings of CEA studies, IIT Delhi study was commissioned by MOP under CEA-IIT Delhi MOU. Subsequently, NEERI-Nagpur study and NIAS-Bangalore study were also commissioned by NITI Aayog and Principal Scientific Advisor (PSA) to the Govt. of India respectively. The key common point in these studies is that, fitment of FGDs in all TPPs in India is not necessary to comply with the NAAQ standards whose compliance is essential to safeguard public health. While all TPPs must comply with the December 2015 stack emission standards, SO2 stack emission standards can be relaxed to ensure that they are in conformance with the NAAQ standards (ambient SO2) which are notified by CPCB keeping in mind the human health and other aspects. This way, TPPs may be able to comply with these standards without fitting FGDs. Since the existing NAAQ standards (for ambient SO2) must be complied with, this change will not affect human health in India.

Subsequently, on the recommendation of PSA (based on above scientific studies), MoEF&CC has notified amendment on 11.07.2025 where applicability of SO2 emission standards in thermal power plants has been revised based on their location/category. As per the above amendment**,** Sulphur dioxide emission standards shall not be applicable to all Category C thermal power plants subject to ensuring compliance of stack height criteria notified vide notification number GSR 742 (E), dated the 30th August, 1990.

Keeping in view the amended applicability of SO2 standards as mentioned above, the following agenda items are proposed for discussion immediately in a special TCC/RPC meeting at the respective RPCs:

Agenda no. 1: Generating utilities would review the progress of FGD installation under category C where LOA has already been placed and furnish the latest physical & financial progress of FGD installation as per attached format (Annexure-I). Further, they would discuss the matter with vendors and assess financial impact of cancelling LOA for FGD installation.

Agenda no.2: The beneficiary DISCOMS may opt one of the followings after cost benefit analysis:

a) Complete FGD installation where LOA placed under category C and operate them and pay for the cost attributable to FGD (CAPEX +O&M+ OPEX), or
b) Complete FGD installation where LOA placed and stop operation and pay CAPEX only, or
c) Stop FGD installation/construction immediately and pay the fixed cost (CAPEX) incurred so far and other applicable cost (to be finalized with Vendors).
d) Complete FGD installation and operate FGD with water only to reduce SPM emission.

In this regard opinion of DISCOMS may be obtained which is crucial for further course of action.

CEA's analysis on financial benefits due to MoEF&CC Notification dated 11.07.2025 is enclosed for reference (Annexure-II)

Annexure-II

A review meeting was held in CEA on 18.07.2025 under the chairmanship of PCE-II, CEA with GENCOs having coal-based generating units under Category C. Deliberation were held on financial implications of MoEF&CC Notification dated 11.07.2025.

Total 462 units with 166885.5 MW capacity are under Category-C. 36 units of 19600 MW capacity have installed FGD and 167 units of 73910 MW capacity placed LOA for installation of FGD. Remaining 203 units of 66967.5 MW under various stages of bidding process are advised to stop immediately further process for FGD installation.

Further, 18 units of capacity 10280 MW out of total 21 uncategorized units of capacity 12400 MW commission after year,2021 are in category C. AS per CEA's analysis, out of 18 units in category C, 3 units have installed FGD and 8 units have placed LOA. Remaining 7 units under various stages of bidding process are advised to stop further process for installation of FGD.

Additionally, 43 units of capacity 32300 MW under construction yet to be categorized. As per CEA's analysis 39 units of capacity 29520 MW are under category C, may immediately review FGD matter with Vendors and delete from LOA.

The generating companies/ organizations would review the progress of FGD installation at generating units under category C where LOA has already been placed and furnish the latest physical & financial progress of FGD installation. The generating companies would also assess financial benefits accruing from the amended applicability of SO2 standards for the coal-based thermal power plants considering options available for FGD i.e. installing FGD or not installing FGD. Further, they would discuss the matter with vendors and assess financial impact of cancelling LOA for FGD installation.

The generating companies may take decision on immediately abandoning the works / contracts where there is no physical progress yet on the ground or where no major work started say 10-20 percentage progress attained. In the rest of the cases, where projects are nearing completion or attained progress of 60-70 percentage, they can assess what is more economical scenario – i.e. with FGD or without FGD.

The generating companies were also advised to discuss various aspects with the beneficiary DISCOMs and their willingness to have FGD installed and pay for the cost attributable to FGD (CAPEX + OPEX) or stop the project and pay the fixed cost (CAPEX) incurred so far, etc.

GENCOs have raised the concern over the pass-through cost of abandoning of FGD in a mid-way of various stages of constructions and sought intervention of CEA for pass through cost and if required may suggest for formation of a committee consisting 1 member each from regulatory, energy department, DOSCOMs and GENCOs of respective states for deciding the pass-through cost.

It may be noted that Operation of FGD would increase tariff of electricity which consist of fixed tariff (capital cost + O&M cost) and variable tariff (limestone cost + increased power consumption cost etc.). As per CEA's analysis, it would be beneficial for DISCOMs to discontinue operation of FGD where already installed. It would also be beneficial for DISCOMs to terminate LOA amicably irrespective of construction progress. DISCOMs would be responsible for payment of fixed part of tariff only for expenditure already incurred by GENCOs for installation as well as for cancelling LOA. In this way they could save operational & maintenance cost.

Capital cost Savings:

Based on the latest notification, there is no saving under category A. Further, EAC will examine the units which apply for exemption under category B, and exemption shall be granted on case-

to-case basis. The guidelines/parameters for exemption are yet to be finalized by EAC. Therefore, saving under Category 'B' has not been estimated as of now. **The savings in Category C are given as under**:

1. **Running units (except CFBC/Retired):** Total 424 units of 170757.5 MW capacity (462 units of 166885.5 MW already categorized - 56 CFBC and retired units of 6408 MW capacity + 18 newly commissioned units of 10280 MW capacity) are running under category C. The total Cap-Ex savings in Category C of running units could have been **Rs. 169491 crores** after the applicability of revised SO2 norms.

2. **Running units (except CFBC/Retired/FGD installed/LOA placed):** Total 210 units of 69957.5 MW capacity (462 units of 166885.5 MW already categorized - 56 CFBC and retired units of 6408 MW capacity -36 units of 19600 MW capacity installed FGD – 167 units of 73910 MW capacity placed LOA + 7 newly commissioned units of 2990 MW have neither installed FGD nor placed LOA) Therefore, the total **immediate savings** on capital cost for category C units including new units commissioned after final categorization & under construction units (tentatively categorized by CEA) are estimated to be **Rs. 83949 Crores.**

3. **Under construction units:** There are a total of 39 under construction TPP units of 29520 MW capacity which are tentatively categorized to be under Category C by CEA. There is an estimated savings of **Rs. 35,424 Crores** in capital cost of FGD in these units.

4. **Under Planning units:** GoI has further planned significant thermal capacity addition in coming years, keeping in view the energy security of the country. A part of this capacity shall fall under category C, which shall attribute to more savings prevailing market scenario.

Op-Ex Savings:

1. **Running units (except CFBC/Retired):** The total savings in Op-Ex due to non-applicability of SO2 emission standards on Category C (424 units of 170757.5 MW) capacity is approximately Rs. **8376.7 Cr./Year** (avg. PLF 70%).. Further, considering 20 years as average remaining plant life of category C units, the total savings in op-ex is **1,55567 Crores rupees (avg. PLF 65%)**.

2. **Running units (except CFBC/Retired/FGD installed/LOA placed):** total savings in Op-Ex due to non-applicability of SO2 emission standards on Category C of 210 units of 69957.5 MW capacity is **3431.8 Crores/Year**. Further, considering 20 years as average remaining plant life of category C units, the total savings in op-ex is Rs. **63734 Crores** (avg. PLF 65%).

3. **Under construction units:** In addition to above, if the under-construction 39 units of 29520 MW capacity are also taken into account, an additional op-ex of **Rs**.**1448 Cr./Year** can also be saved. Total saving under op-ex will be **53787.8 Crores rupees** (avg. PLF 65%).

4. **Under Planning units:** GoI has further planned significant thermal capacity addition in coming years, keeping in view the energy security of the country. A part of this capacity shall fall under category C, which shall attribute to more savings prevailing market scenario.

Maintenance cost savings:

1. **Running units (except CFBC/Retired):** Total Maintenance cost of 424 units of 170757.5 MW capacity is Rs. **115095.32 Crores c**onsidering 2% maintenance cost and increase of 5.25% every year (total 20 years).

2. **Running units (except CFBC/Retired/FGD installed/LOA placed):** Total Maintenance cost of 210 units of 69957.5 MW capacity is Rs. **57006.78 Crores** considering 2% maintenance cost and increase of 5.25% every year (total 20 years).

3. **Under construction units:** Maintenance cost of 39 under construction TPP units of 29520 MW capacity is Rs. **90989.78 Crores** considering 2% maintenance cost and increase of 5.25% every year (total 40 years).

4. **Under Planning units:** GoI has further planned significant thermal capacity addition in coming years, keeping in view the energy security of the country. A part of this capacity shall fall under category C, which shall attribute to more savings prevailing market scenario.

The estimated saving would be Rs.209355 Crores for not paying variable part of tariff and Rs. 206085 crores for not paying maintenance cost of FGD. Total saving for scraping all FGD project would be Rs. 415440 Crores. Further estimated capital cost saving would be Rs. 119373 Crores for not installing FGD in remaining units. Thus, total estimated saving of DISCOMs would be 534813 Crores.

Note:

S. No.	Status	Units	Capacity (MW)	Savings (in Crores)	Assumption
1	Total Units in C Category	462	166885.5		
2	CFBC & Retired Units	56	6408		
3	FGD Installed	36	19600	13720	70 L/MW
4	LoA placed with certain progress in work	136	58000	49300	85 L/MW
5	LoA placed with NO progress in work	31	15910	15910	1 Cr./MW
6	Remaining Units	203	66967.5	80361	1.2 Cr./MW
7	Savings in Newly Commissioned Category C Units*				
	FGD installed	3	2260	1582	70L/MW
	LOA placed	8	5030	5030	1 Cr/MW
	Remaining Units	7	2990	3588	1.2 Cr./MW
8	Savings in Upcoming Category C Units**	39	29520	35424	1.2 Cr./MW

Variable tariff = 8 paisa/kWh
O&M cost = 2% of capital investment in 1st year and thereafter increase of 5.25% in every year as per CERC.

****

Dust Control System

The capacity of the dust control system specified hereinafter is for Contractor's guidance only. Contractor shall provide adequately sized and fool proof dust control system, the performance of which should be guaranteed by the Contractor as required in the technical specifications. The performance guarantee test procedure is to be submitted by the Contractor. However, the capacity of the offered system shall not be less than the specified values below.

a) Dust Suppression System (Dry fog type/Cold fog type)

(1) Operation: Water & air sprayed by Fogging nozzle (Dry Fog). Ultra fine spray of water by Fogging nozzle (Cold fog)

(2) Location of spray: At all coal discharge & receipt point on all transfer point & crusher. House

(3) Capacity & Pressure at inlet of spray head (Dry Fog): 0.5 Kg/cm2 for water (min.) & 5.0 Kg/cm2 for air (min.)
Pressure at inlet of spray head (Cold Fog): 70 Kg/cm2 for water (min.)

b) Stockyard Dust Suppression System

(1) Maximum number of nozzles operating simultaneously: Two (2) Nos.
(2) Capacity & Pressure of each spray nozzle: 500 Lpm/4.5 kg. /sq. cm(g)

c) (i) Dust extraction system for Coal Crusher House

Type: Venturi scrubber type
Location: Belt feeder after crusher & Vibrating Feeder at crusher house of Coal

(iii) Dust Extraction system for Biomass Handling area

Dust extraction System for biomass handling system shall be dry type comprising of dust collection hoods, ducting, fans, bag filter and duct collection hopper. The biomass dust collected in dust collection hopper shall be periodically emptied back to the conveyor leaving the building.

d) Wagon Tippler Dust Suppression System (Plain water type)

(1) Capacity of each nozzle: Minimum 2.0 lpm at 4.5 kg/ cm2
(2) Nozzle spacing: Maximum 500 mm
(3) No. of dust suppression nozzles that can be operated simultaneously on both side of Hopper: minimum four (4) such zones
(one zone means 20 mtr. Length of header on both sides)

e) **Dust Suppression System (Plain water type)**

(1) Operation: Water sprayed with fogging nozzle
(2) Location of spray: External transfer Points
(3) Capacity / Pressure at inlet of spray head: 2.0 lpm / 2.5 kg/cm2

2.01.02 **Service Water System**

Service water connections are to be provided in conveyor galleries & tunnels at 50-meter interval and one (1) no. on each floor of Transfer Points, toilets and minimum two (2) nos. on each floor of coal crusher house & biomass silo building
(a.) Flow at each valve: 5 cub.m/hr
(b.) Minimum discharge Pressure at tap point: 2 kg/sq.cm
(c) No. of valves operated Simultaneously: 6 nos.

2.01.04 **Chutes for Coal Handling**
Minimum clear cross section of chute: As specified in equipment sizing criteria chapter.
Minimum clear cross section of discharge chute for stone picking: 750mm X 1000mm (inside both ways)

Hoists
Suitable hoists, as specified elsewhere shall be provided for erection & servicing of all major equipment. The equipment to be covered shall include (but not limit to) all conveyor drive units, all pulleys, crushers along with drive units, in line magnetic separators, sampling units, sump pumps, various DS/service water/potable water pumps, gravity take up units, suspended magnet, removal of equipment from tunnels, & underground building lifting of belt drum at all transfer houses/crusher house/bunker floors/storage silos etc.

FUEL OIL HANDLING SYSTEM GENERAL INFORMATION

LDO shall be received at the power station in road & rail tankers and unloaded at existing unloading rake/header by gravity. Existing LDO unloading cum transfer pumps located in existing unloading pump house shall be utilized for pumping to storage tanks. The LDO pressurizing pumps will pump the LDO to Boiler through piping.

The LDO shall be pumped to two (2) nos. storage tanks each of capacity 2000 cu. meter. & existing LDO/HFO (now used for LDO) storage tanks
Dyke for LDO storage tanks shall be provided.
Necessary modification works for interconnection with existing fuel oil system (LDO/HFO) complete with all civil, structural and electrical works etc. The complete dismantling, modification, redesign etc. (as per requirement) of any existing facility, building etc. is in the scope of the bidder. The dismantling activities shall be carried out in such a manner that the existing units operations shall be least affected.

SCOPE OF WORK

The scope of the equipment to be furnished & erected under this specification is detailed hereunder. The items though not specifically mentioned but are needed to make the equipment / system complete and safe from operational view point, shall also be treated as though included and the same shall also be furnished and erected unless otherwise specifically excluded.

Mechanical Systems

Tanks and Accessories

(a) Two (2) numbers storage tank each of capacity 2000 cu. meter for storage of LDO complete with accessories and instrumentation. The tanks shall be located in the same installation & nearby existing LDO storage tanks

Piping System consisting of pipes, valves, fittings, supports, insulation etc.

(a) LDO pipelines, LDO drainpipe lines, all instrument air lines, complete with all supports, hangers, strainers, bends, flanges, counter flanges, gaskets, valves, fittings etc. All piping required to complete the system between the terminal points & new LDO storage tank.

(b) Interconnection of new LDO storage tanks with owner's existing LDO/HFO (now used for LDO) tank.

(c) Interconnection from existing unloading pump discharge header of owner's existing fuel oil system with new LDO storage tank

Interconnection of drains of new LDO storage tank with existing stage-I oil water separator pit.

(e) LDO tanks in the scope of bidder shall be provided with fixed fire protection system using foam & medium velocity water spray shall be provided for LDO tank by employer. All necessary nozzle openings required for above fixed fire protection system on the storage tanks shall be in Bidder's scope of supply. Welding of pad plates (to be supplied by the bidder) on LDO tanks shell required for fire protection shall be in the scope of the bidder.

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NTPC

एक भारतीय कम्पनी

एन टी पी सी लिमिटेड
NTPC Limited
(A Govt. of India Enterprise)
नवीनगर / Nabinagar

संदर्भ सं./Ref. No.

दिनांक/ Date:

संदर्भ सं./Ref. No: 1586/NSTPS/HoP Secl./17/875

दिनांक/ Date: 01.03.2025

सेवा में,
श्री अन्नु यादव
मुखिया,
ग्राम पंचायत–मेंह
बारूण, औरंगाबाद

महोदय,

सूचित करते हुए हर्ष की बात है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नवीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (3X660MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ सादर संलग्न है। अतः महोदय से अनुरोध है कि इस प्रति को प्राप्ति के तारीख से 30 दिनों तक संबंधित ग्राम पंचायत में दृश्य सार्वजनिक रूप से प्रदर्शित करने की कृपा करें।

सधन्यवाद!

भवदीय

(एन के बेहेरा)
परियोजना प्रमुख

संलग्न:–
पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

मुखिया
ग्राम पंचायत मेंह
बारूण, औरंगाबाद

एनटीपीसी
NTPC

एक महारत्न कम्पनी

एन टी पी सी लिमिटेड
NTPC Limited

नबीनगर / Nabinagar

संदर्भ सं./Ref. No: 1050/NSTPS/Env/Soil/17/576

दिनांक/ Date: 01.03.2025

सेवा में,
श्रीमती लालती देवी
सरपंच,
ग्राम पंचायत–अंकोरहा
नबीनगर, औरंगाबाद

महोदय,

लिखित करते हुए हर्ष की अनुभूति है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (3X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के ज्ञापांक संख्या J-13012/12/2007-IA.II(T) दिनांक 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ सादर संलग्न है। अतः महोदय से अनुरोध है कि इस प्रति के प्राप्ति के तारीख से 30 दिनों तक संबंधित ग्राम पंचायत में इसे सार्वजनिक रूप से प्रदर्शित करने की कृपा करें।

धन्यवाद!

लालती देवी
सरपंच
ग्राम पंचायत अंकोरहा
नबीनगर (औरंगाबाद)
3/2/2025

भवदीय
(एस.के.चंदेरा) 01/3/25
परियोजना प्रमुख

संलग्नः–
ज्ञापांक संख्या J-13012/12/2007-IA.II(T) दि-नांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

एनटीपीसी
NTPC

एक भारत्न कम्पनी

एन टी पी सी लिमिटेड
NTPC Limited
नबीनगर / Nabinagar

संदर्भ सं./Ref. No.: 1000/NETS/HoP Each/ 02/ 25 दि.

दिनांक/ Date: 01.03.2025

सेवा में,
श्रीमती मुन्नी देवी
मुखिया,
ग्राम पंचायत–अंकोरहा
नबीनगर, औरंगाबाद

विषय : पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (3X800MW) को पर्यावरणीय स्वीकृति दिये जाने के संबंध में।

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (3X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के मेमोरेंडम संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ संलग्न है। अतः महोदय से अनुरोध है कि इस प्रति के प्राप्ति के तारीख से 30 दिनों तक संबंधित ग्राम पंचायत में इसे सार्वजनिक रूप से प्रदर्शित करने की कृपा करें।

धन्यवाद।

मुन्नी देवी
मुखिया
ग्राम पंचायत अंकोरहा
प्रखण्ड–नबीनगर (औरंगाबाद)

भवदीय
(एल.के.बेहेरा) 01/3/25
परियोजना प्रमुख

संलग्नः–
उपरोक्त संख्या J-13012/127/2007-IA.II(T) दिनांक 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

एनटीपीसी
NTPC
एक महारत्न कम्पनी

एन टी पी सी लिमिटेड
NTPC Limited
नवीनगर / Nabinagar

संदर्भ सं./Ref. No.

दिनांक/ Date:

संदर्भ सं./Ref. No: 1096/NSTPS/HoP Swell/ 17/2025 दिनांक/ Date: 01.03.2025

सेवा में,
श्री बृजमोहन सिंह
मुखिया,
ग्राम पंचायत–महुआंव
नबीनगर, औरंगाबाद

विषय : पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (3X800MW) को पर्यावरणीय स्वीकृति दिये जाने के संबंध में।

महोदय,

सूचित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (3X800MW) हेतु, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/127/2007-IA.III(T) दिनांक– 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ संलग्न है। अतः महोदय से अनुरोध है कि इस प्रति के प्राप्ति के तारीख से 30 दिनों तक संबंधित ग्राम पंचायत में इसे सार्वजनिक रूप से प्रदर्शित करने की कृपा करें।

धन्यवाद।

भवदीय

(एल.के.बघेल) 01/03/25
परियोजना प्रमुख

संलग्नः–
पत्रांक संख्या J-13012/127/2007-IA.III(T) दिनांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति.

एनटीपीसी
NTPC
एक महारत्न कम्पनी

एन टी पी सी लिमिटेड
(भारत सरकार का उपक्रम)
NTPC Limited
(A Govt. of India Enterprise)
नवीनगर / Nabinagar

संदर्भ सं0/ Ref. No.

दिनांक / Date :

संदर्भ सं0/Ref. No: 1086/NSTPS/HoP Sectt./17/572 दिनांक/ Date: 01.03.2025

सेवा में,
श्री श्यामदेव राजवंशी
मुखिया
ग्राम पंचायत–कलेर
नवीनगर, औरंगाबाद

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नवीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज II (3X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतियाँ इस पत्र के साथ संलग्न है। अतः महोदय से अनुरोध है कि इस प्रति के प्राप्ति के तारीख से 30 दिनों तक संबंधित ग्राम पंचायत में इसे सार्वजनिक रूप से प्रदर्शित करने की कृपा करें।

सधन्यवाद!

भवदीय

श्यामदेव राजवंशी
मुखिया
ग्राम पंचायत–कलेर
पो.–नवीनगर, जिला–औरंगाबाद

(एल.के.झा) 01.3.25
वरिष्ठ परियोजना प्रमुख

संलग्नः–
उपरोक्त संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

एनटीपीसी
NTPC
एक महारत्न कम्पनी

एन टी पी सी लिमिटेड
(भारत सरकार का उपक्रम)
NTPC Limited
(A Govt. of India Enterprise)
नबीनगर / Nabinagar

संदर्भ सं0/ Ref. No.

दिनांक / Date :

संदर्भ सं0/Ref. No: 1086/NSTPS/HoP Secttl/ 17/ 574 दिनांक/ Date: 01.03.2025

सेवा में,
श्रीमती शामली गौतम
मुखिया
ग्राम पंचायत–सिमरी खगड़ी
औरंगाबाद

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (2X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/127/2007-IA.II(T) दि.तिक– 23.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ सादर संलग्न है। अतः महोदय से अनुरोध है कि इस प्रति के प्राप्ति के तारीख से 30 दिनों तक संबंधित ग्राम पंचायत में इसे सार्वजनिक रूप से प्रदर्शित करने की कृपा करें।

धन्यवाद।

भवदीय
(एल के बेहेरा) 01/3/25
परियोजना प्रमुख

संलग्नः–
पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 23.02.2025 पर्यावरणीय स्वीकृति की प्रति।

शामली गौतम
मुखिया
ग्राम पंचायत–सिमरी खगड़ी
कौशपा (औरंगाबाद)

एनटीपीसी NTPC
एक महारत्न कम्पनी

एनटीपीसी लिमिटेड
NTPC Limited
नबीनगर / Nabinagar

संदर्भ सं0/ Ref. No.

दिनांक / Date :

संदर्भ सं0/Ref. No: 1086/NSTPS/HoP Sectt/ 17/ 579 दिनांक/ Date: 01.03.2025

सेवा में,
श्री वकील सिंह
सरपंच,
ग्राम पंचायत–मेंह
औरंगाबाद

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज II (2X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गई है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ सादर संलग्न है। अतः महोदय से अनुरोध है कि इस प्रति के प्राप्ति के तारीख से 30 दिनों तक संबंधित ग्राम पंचायत में इसे सार्वजनिक रूप से प्रदर्शित करने की कृपा करें।

सधन्यवाद!

भवदीय

(एल.के.वेदिया)
परियोजना प्रमुख

संलग्नः–
पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

वकील सिंह
सरपंच
ग्राम पंचायत-मेंह

एनटीपीसी
NTPC
एक महारत्न कम्पनी

एनटीपीसी लिमिटेड
NTPC Limited
नवीनगर / Nabinagar

संदर्भ सं./ Ref. No.

दिनांक / Date :

संदर्भ सं./Ref. No.: 1286/NSTPS/HoP Genl./ T/ 2025 दिनांक/ Date: 01.03.2025

सेवा में,
श्रीमती मुन्नी देवी
सरपंच,
ग्राम पंचायत–सिमरी धमनी
औरंगाबाद

महोदय,

अवगत कराते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नवीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–I (3X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ सादर संलग्न है। अतः महोदय से अनुरोध है कि इस प्रति के प्राप्ति के तारीख से 30 दिनों तक संबंधित ग्राम पंचायत में इसे सार्वजनिक रूप से प्रदर्शित करने की कृपा करें।

सधन्यवाद!

भवदीय

(एल.के.बेहेरा) 01/03/25
परियोजना प्रमुख

संलग्नक:–
पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

एनटीपीसी
NTPC
एक महारत्न कम्पनी

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नबीनगर / Nabinagar

संदर्भ सं/ Ref. No.

दिनांक / Date:

संदर्भ सं./ Ref. No. 1056/NSTPS/IP Secl./ 17077 दिनांक/ Date: 01.03.2025

सेवा में,
श्री राम जतन राम
सरपंच,
ग्राम पंचायत–कंकेड़
नबीनगर, औरंगाबाद

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट स्टेज–II (2X660MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार से पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ सादर संलग्न है। अतः महोदय से अनुरोध है कि इस पत्र के प्राप्ति के तारीख से 30 दिनों तक संबंधित ग्राम पंचायत में इसे सार्वजनिक रूप से प्रदर्शित करने की कृपा करें।

धन्यवाद!

भवदीय

(एस.के.मेहेता) 01/3/25
परियोजना प्रमुख

रामजतन राम
सरपंच
अधिक कुमार 8 Feb 2025

संलग्नक–
पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

एनटीपीसी NTPC

एक महारत्न कम्पनी

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नबीनगर / Nabinagar

संदर्भ सं0/ Ref. No.:

दिनांक / Date :

संदर्भ सं0/Ref. No: 1086/NSTPS/HoP Sectt./17/575 दिनांक/ Date: 01.03.2025

सेवा में,
श्री बिरेन्द्र सिंह
सरपंच,
ग्राम पंचायत–महुआंव
नबीनगर, औरंगाबाद

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज -II (3X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ सादर संलग्न है। अतः महोदय से अनुरोध है कि इस प्रति के प्राप्ति के तारीख से 30 दिनों तक संबंधित ग्राम पंचायत में इसे सार्वजनिक रूप से प्रदर्शित करने की कृपा करें।

धन्यवाद!

भवदीय
03.03.25
(एल.के.बेहेरा) 01/3/25
परियोजना प्रमुख

संलग्नः–
पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

एनटीपीसी
NTPC

एक महारत्न कम्पनी

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नबीनगर / Nabinagar

संदर्भ सं./ Ref. No.

दिनांक / Date :

संदर्भ सं./ Ref. No.: 1200/NSTPS/Envt Secl./17:565 दिनांक/ Date: 01.03.2026

सेवा में,
श्रीमान् प्रखण्ड विकास पदाधिकारी
प्रखंण्ड कार्यालय नबीनगर, औरंगाबाद

विषय : पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (2X800MW) को पर्यावरणीय स्वीकृति दिये जाने के संबंध में।

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (2X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ सादर संलग्न है। अतः महोदय से अनुरोध है कि पर्यावरण स्वीकृति के दिशा निर्देश के आलोक में संलग्न पत्र के प्राप्ति के तारीख से 30 दिनों तक संबंधित विभाग के सूचना पट पर इसे सार्वजनिक रूप से प्रदर्शित कराने की कृपा करें।

सधन्यवाद!

भवदीय

(एस.के.बेनर्जी) 01/03/26
परियोजना प्रमुख

संलग्नः–
पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

एनटीपीसी NTPC
एक महारत्न कम्पनी

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सदर्भ सं0/Ref. No.

दिनांक/Date :

संदर्भ सं0/Ref. No. 1086/NSTPS/HoP Secrt./17/567 दिनांक/ Date: 01.03.2025

सेवा में,
श्रीमान् अंचल अधिकारी
अंचल कार्यालय नबीनगर, औरंगाबाद

विषय : पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (3X800MW) को पर्यावरणीय स्वीकृति दिये जाने के संबंध में।

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (3X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ सादर संलग्न है। अतः महोदय से अनुरोध है कि पर्यावरण स्वीकृति के दिशा–निर्देश के आलोक में संलग्न पत्र के प्राप्ति के तारीख से 30 दिनों तक संबंधित विभाग के स्तर पर इसे सार्वजनिक रूप से प्रदर्शित कराने की कृपा करें।

धन्यवाद!

भवदीय

(एल.के.बेहेरा) 01/03/25
परियोजना प्रमुख

संलग्नः–
पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

एनटीपीसी NTPC

एक महारत्न कम्पनी

एन टी पी सी लिमिटेड
(भारत सरकार का उपक्रम)
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नबीनगर / Nabinagar

सदर्भ सं0/ Ref. No

दिनांक / Date:

संदर्भ सं0 / Ref. No. 1086/NSTPS/HoP Secti./ 17/ 562 दिनांक / Date: 01.03.2025

सेवा में,
श्रीमान् जिला पदाधिकारी
जिला–औरंगाबाद

विषय : पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (3X800MW) को पर्यावरणीय स्वीकृति दिये जाने के संबंध में।

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत (बिहार) में स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (3X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 के द्वारा पर्यावरणीय स्वीकृति प्रदान की गयी है।

उक्त स्वीकृति की प्रतिलिपि आपके सूचनार्थ इस पत्र के साथ सादर संलग्न है।

सधन्यवाद!

भवदीय

(एल.के.बेहेरा) 01/03/25
परियोजना प्रमुख

संलग्नः-
पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

नबीनगर सुपर थर्मल पॉवर स्टेशन, पोस्ट- अदिति नगर, जिला- औरंगाबाद (बिहार), पिन कोड : 824304
Nabinagar Super Thermal Power Station, Post- Aditi Nagar, Distt- Aurangabad (Bihar) Pin Code: 824304
पंजीकृत कार्यालय : एन टी पी सी भवन, स्कोप कॉम्प्लेक्स, 7 इंस्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली– 110 003
Registered Office : NTPC Bhawan SCOPE Complex,7 Institutional Area Lodhi Road New Delhi- 110 003
कॉरपोरेट आइडेंटिफिकेशन नम्बर / Corporate Identification Number : L40101DL1975GOI007966 वेबसाइट / website : www.ntpc.co.in

एनटीपीसी NTPC
एक महारत्न कम्पनी

एनटीपीसी लिमिटेड
NTPC Limited
नवीनगर / Nabinagar

संदर्भ सं०/ Ref. No.

दिनांक / Date :

संदर्भ सं०/Ref. No: NBN/NSTPS/HoP Secy/ 17564 दिनांक / Date: 01.03.2025

सेवा में,
श्रीमान् मुख्य अभियन्ता
सिंचाई सृजन
जल संसाधन विभाग, डेहरी ऑन सोन, रोहतास

विषय: पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा नवीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (2X800MW) को पर्यावरणीय स्वीकृति दिये जाने के संबंध में।

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नवीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज II (2X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/12/2007-IA.II(T) दिनांक– 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ संलग्न है। अतः महोदय से अनुरोध है कि पर्यावरण स्वीकृति के दिये निर्देश के आलोक में संलग्न पत्र के प्राप्ति के तारीख से 30 दिनों तक संबंधित विभाग के स्तर पर इसे सार्वजनिक रूप से प्रदर्शित कराने की कृपा करें।

सधन्यवाद!

भवदीय

एल.के.बेहेरा 01/03/25
परियोजना प्रमुख

संलग्नः–
पत्रांक संख्या J-13012/12/2007-IA.II(T) दिनांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

एनटीपीसी NTPC

एक महारत्न कम्पनी

एन टी पी सी लिमिटेड
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नबीनगर / Nabinagar

संदर्भ सं. / Ref. No.

दिनांक / Date :

संदर्भ सं0 / Ref. No: 1086/NSTPS/HoP Secrt./17/564 दिनांक/ Date: 01.03.2025

सेवा में,
श्रीमान् जिला वन पदाधिकारी
सासाराम

विषय : पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज -II (3X800MW) को पर्यावरणीय स्वीकृति दिये जाने के संबंध में।

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (3X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ सादर संलग्न है। अतः महोदय से अनुरोध है कि पर्यावरण स्वीकृति के दिशा–निर्देश के आलोक में संलग्न पत्र के प्राप्ति के तारीख से 30 दिनों तक संबंधित विभाग के स्तर पर इसे सार्वजनिक रूप से प्रदर्शित कराने की कृपा करें।

धन्यवाद!

भवदीय

(एल.के.बेहेरा) 01/03/25
परियोजना प्रमुख

संलग्नः–
पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

एनटीपीसी NTPC

एक महारत्न कम्पनी

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)
नबीनगर / Nabinagar

सन्दर्भ सं0/Ref. No.

दिनांक / Date :

संदर्भ सं0/Ref. No. 1066/NSTPS:HoP Sectt./17/563 दिनांक/ Date: 01.03.2025

सेवा में,
श्रीमान जिला वन पदाधिकारी
औरंगाबाद

विषय : पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज-II (3X800MW) को पर्यावरणीय स्वीकृति दिये जाने के संबंध में।

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज II (3X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ सादर संलग्न है। अतः महोदय से अनुरोध है कि पर्यावरण स्वीकृति के दिशा -निर्देश के आलोक में संलग्न पत्र के प्राप्ति के तारीख से 30 दिनों तक संबंधित विभाग के स्तर पर इसे सार्वजनिक रूप से प्रदर्शित कराने की कृपा करें।

सधन्यवाद!

भवदीय
(एल.के.बेहेरा) 01/03/25
परियोजना प्रमुख

संलग्नः-
पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

एनटीपीसी
NTPC
एक महारत्न कम्पनी

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)
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नबीनगर / Nabinagar

सदर्भ सं0 Ref. No.

दिनांक / Date :

संदर्भ सं0 / Ref. No: 1086/NSTPS/HoP Secttl/17/566 दिनांक/ Date: 01.03.2025

सेवा में,
श्रीमान् प्रखण्ड विकास पदाधिकारी
प्रखंड कार्यालय बारूण, औरंगाबाद

विषय : पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज-II (3X800MW) को पर्यावरणीय स्वीकृति दिये जाने के संबध में।

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज -II (3X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ सादर संलग्न है। अतः महोदय से अनुरोध है कि पर्यावरण स्वीकृति के दिशा-निर्देश के आलोक में संलग्न पत्र के प्राप्ति के तारीख से 30 दिनों तक संबंधित विभाग के द्वार पर इसे सार्वजनिक रूप से प्रदर्शित कराने की कृपा करें।

धन्यवाद!

भवदीय

(एल.के.बेहेरा) 01/03/25
परियोजना प्रमुख

संलग्नः-
पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक- 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।

एनटीपीसी
NTPC
एक महारत्न कम्पनी

एनटीपीसी लिमिटेड
(भारत सरकार का उपक्रम)
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नबीनगर / Nabinagar

संदर्भ सं॰ Ref No.

दिनांक / Date :

संदर्भ सं॰/Ref. No: 1086/NSTPS/HoP Sectt./17/568 दिनांक/ Date: 01.03.2025

सेवा में,
श्रीमान् अंचल अधिकारी
अंचल कार्यालय वारूण, औरंगाबाद

विषय : पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (3X800MW) को पर्यावरणीय स्वीकृति दिये जाने के संबंध में।

महोदय,

विदित करते हुए हर्ष हो रहा है कि औरंगाबाद जिलान्तर्गत स्थापित किये जा रहे नबीनगर सुपर थर्मल पावर प्रोजेक्ट, स्टेज–II (3X800MW) हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक 28.02.2025 द्वारा पर्यावरणीय स्वीकृति प्रदान कर दी गयी है।

उक्त स्वीकृति की प्रतिलिपि इस पत्र के साथ सादर संलग्न है। अतः महोदय से अनुरोध है कि पर्यावरण स्वीकृति के दिशा–निर्देश के आलोक में संलग्न पत्र के प्राप्ति के तारीख से 30 दिनों तक संबंधित विभाग के स्तर पर इसे सार्वजनिक रूप से प्रदर्शित कराने की कृपा करें।

धन्यवाद!

भवदीय

(एल.के.बेहेरा) 01/03/25
परियोजना प्रमुख

संलग्नः
पत्रांक संख्या J-13012/127/2007-IA.II(T) दिनांक– 28.02.2025 पर्यावरणीय स्वीकृति की प्रति।



THE TIMES OF INDIA



Shah: Modi govt unsparing in punishing drug traffickers

'29 Traffickers Convicted in 12 Cases'

Won't name successor in my lifetime: Mayawati

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Education TIMES

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NTPC Limited

Public Notice

General public is hereby informed that the Ministry of Environment, Forest and Climate Change (MoEF&CC), Government of India, New Delhi has accorded Environmental Clearance vide File No. J-13012/127/2007-IA.II(T) dated 28.02.2025 for expansion of NTPC Limited's coal based Nabinagar Super Thermal Power Project from existing capacity 1980 MW (Stage-I, 3 x 660 MW) to 4380 MW by addition of 2400MW (Stage-II, 3 x 800MW), located at Village- Mahiyan, Taluka- Nabinagar, Dist-Aurangabad, Bihar-824304

A copy of the Environmental Clearance is available with Bihar State Pollution Control Board and can also be seen on the website of Ministry of Environment, Forest and Climate Change (https://parivesh.nic.in.)

This environmental clearance has been accorded under the provisions of EIA Notification, 2006 and as amended there.

BUSINESS UNIT HEAD,
NABINAGAR SUPER THERMAL POWER PROJECT
Taluka- Nabinagar,
District-Aurangabad, Bihar-824304

Leading the Power Sector

Date- 03/03/2025
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दैनिक भास्कर



बिहार

जिले के तीन 10 प्रशासिकों ने शामिल दीक्षण किया स्वीकार

बाइक सवार को हाईवा ने 1 किमी घसीटा, भतीजे की हुई मौत; चाचा की भी गई जान

दहेज के लिए हत्या, ससुराल वाले शव छोड़कर भागे

डीटीओ लिखी तेज रफ्तार ट्रक ने युवक की मौत, सड़क जाम

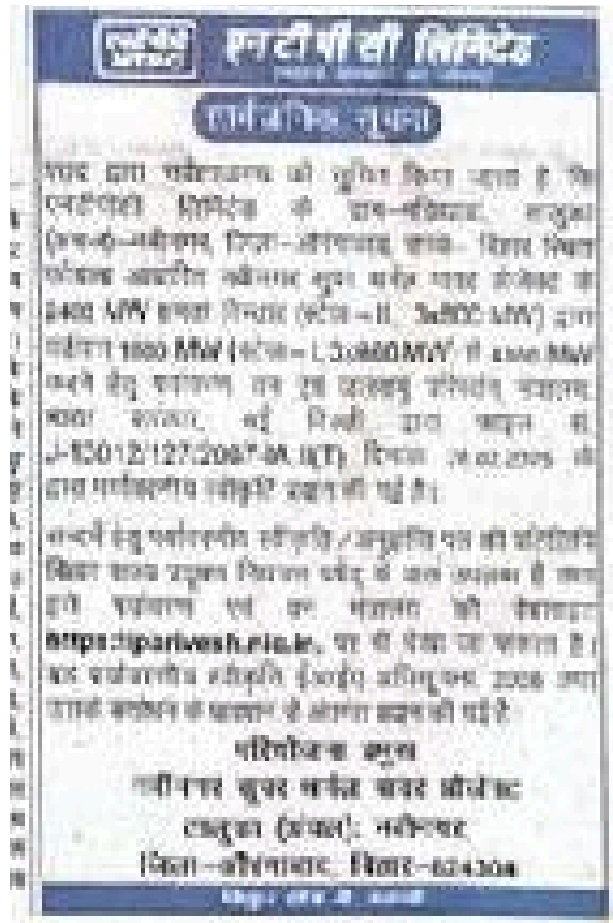
मिथिला मध्यमा 84 कोसी परिक्रमा मधवापुर पहुंची, बिहारी और किशोरी जी के दर्शन को उमड़े श्रद्धालु

सिमरिया-सलेमपुर गांव में 2000 से अधिक दहेज मुक्त निकाह, आज भी परंपरा निभा रहीं युवा पीढ़ी

भास्कर खबर

पहाड़ बचाने के लिए 108 साल तक अखंड संकीर्तन का संकल्प





एस टी पी ली लिमिटेड

पर्यावरणीय सूचना

Date- 03/03/2025
Page no-03
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दैनिक जागरण


औरंगाबाद जागरण

वाहन चोरी कर खरीद बिक्री करने वाले अंतरजिला गिरोह का राजफाश

ट्रक के तहखाना से 1,190 लीटर स्प्रिट जब्त

बिजली बिल सुधार को गांवों में लगेगा कैंप

दो वाहनों की टक्कर में अधेड़ की मौत

एन.टी.पी.सी लिमिटेड

सार्वजनिक सूचना

https://parivesh.nic.in

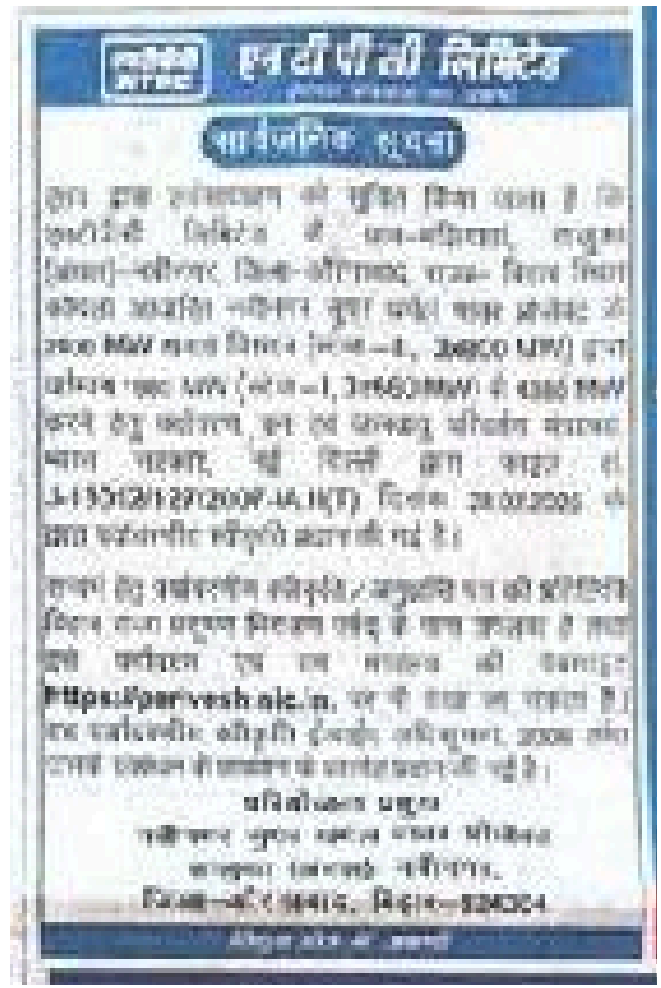
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NBT
नवबिहार टाइम्स
निष्पक्ष एवं निर्भीक हिन्दी दैनिक



नवबिहार टाइम्स

अगला पड़ाव, अगली बात

जब आप दुखी हों तो कोई फैसला मत लेना क्योंकि जब आप खुश हों तब कोई भी गलत मत करना।

बिहार विधानसभा में आज पेश होगा बजट

किसानों को सौर या अक्षय ऊर्जा से मिलेगी बिजली

होली के कारण पुलिसकर्मियों की छुट्टियां रद्द, आदेश जारी

होटल और बीज कारोबारी के 10 ठिकानों पर छापे

टैली खाता का खर्च में समाधान और आगे के रोग : टीकाकरण

LORD BUDDHA FOUNDATION SCHOOL
25 वर्षों से शिक्षा के क्षेत्र में कर रही है सफलता
स्वस्थ के साथ आधुनिकता का अनुपम संगम, विश्व की मांग के आधार पर छात्रों को कर रहा है तैयार
औरंगाबाद जिले का सबसे बेहतर विकल्प, हम अपने इन्हीं कारणों से बाकी से बेहतर और अलग।
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एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)

सार्वजनिक सूचना

एतद द्वारा सर्वसाधारण को सूचित किया जाता है कि एनटीपीसी लिमिटेड के ग्राम–मझियावां, तालुका (अंचल)–नबीनगर, जिला–औरंगाबाद, राज्य– बिहार स्थित कोयला आधारित नबीनगर सुपर थर्मल पावर प्रोजेक्ट के 2400 MW क्षमता विस्तार (स्टेज – II, 3x800 MW) द्वारा वर्तमान 1980 MW (स्टेज – I, 3x660 MW) से 4380 MW करने हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार, नई दिल्ली द्वारा फाइल सं. J-13012/127/2007-IA.II(T) दिनांक 28.02.2025 के द्वारा पर्यावरणीय स्वीकृति प्रदान की गई है।

सन्दर्भ हेतु पर्यावरणीय स्वीकृति/अनुज्ञप्ति पत्र की प्रतिलिपि बिहार राज्य प्रदूषण नियंत्रण पर्षद् के पास उपलब्ध है तथा इसे पर्यावरण एवं वन मंत्रालय की वेबसाइट **https://parivesh.nic.in.** पर भी देखा जा सकता है। यह पर्यावरणीय स्वीकृति ईआईए अधिसूचना, 2006 तथा उसके संशोधन के प्रावधान के अंतर्गत प्रदान की गई है।

परियोजना प्रमुख
नबीनगर सुपर थर्मल पावर प्रोजेक्ट
तालुका (अंचल): नबीनगर,
जिला–औरंगाबाद, बिहार–824304

विद्युत क्षेत्र में अग्रणी

Date- 03/03/2025
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हिन्दी दैनिक
सोन वर्षा वाणी
औरंगाबाद एवं पटना से प्रकाशित
● औरंगाबाद ● वर्ष 13 ● अंक 161 ● मंगलवार, 04 मार्च 2025 ● रजिस्ट्री : BIHHIN/2012/48010 ● एक रु ● मूल्य : ₹ 5 पन्ने





Date- 03/03/2025
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