



नबीनगर / Nabinagar

Ref:1086/NSTPS/ Emt, Mgt./12/2025/01

Date: 27.06.2025

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

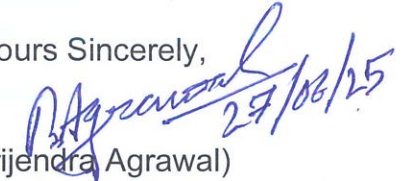
**Sub:** Submission of Environment Condition Compliance Report for the period from Oct-2024 to Mar-2025 for NSTPS Nabinagar.

Ref: MOEF Clearance award letter no J-13012/127/2007/IA.II (T), dtd.27.12.2010.

Dear Sir,

With reference to the above, please find enclosed ECCR (Environment Condition Compliance Report) for the period from Oct-2024 to Mar-2025 of Nabinagar Super Thermal Power Station (3X660MW).

Yours Sincerely,

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

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S.N.	CONDITIONS	EC Compliance Report as on 31.03.2025
<b>Specific Conditions</b>		
SC-01	Vision document specifying prospective plan for the site shall be formulated and submitted to the Ministry within six months.	Vision document submitted with 1 <sup>st</sup> ECCR submitted on 27.05.2014.(Attached as <b>Annexure-A</b> )
SC-02	Land requirement shall be restricted to 1500 acres (including ash pond).	Total Land Acquired = 2972 Acres <ul style="list-style-type: none"> <li>Stage I - (3x660MW)- Around 1500 Acre (including Ash Pond, including Forest land 18.25 acres (7.3875 Ha), Under execution.</li> <li>Stage II- (3x800MW) - around 1472 acres Proposed.</li> </ul>
SC-03	Provision for installation of FGD shall be provided for future use.	FGD contract awarded to M/s BHEL in 14.06.2019. Work is under progress. 94% civil works completed Mechanical Erection works under progress. Target completion Unit#1: Mar'26 Unit#2: June'26 Unit#3: Dec'26  As per MoEF&CC Gazette Notification dated 05.09.2022 and amended 30.12.2024, Nabinagar falls under the 'C' category. The timeline for compliance with the new emission norms will be applicable after 31.12.2029.
SC-04	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm <sup>3</sup> . 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.	<ul style="list-style-type: none"> <li>ESP with efficiency of 99.97% is operational in running units to limit PM emission &lt;30 mg/Nm<sup>3</sup>.</li> <li>Water sprinkling system and DFDS System in Operation at CHP.</li> <li>Bag Filters in operation in Ash Handling Plant.</li> </ul> In addition to above, sufficient measures have been taken to mitigate fugitive dust emission from Ash dyke.
SC-05	Sulphur and ash contents in the coal to be used in the project shall not exceed 0.5 %	Being complied.

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	and 34 % respectively at any given time. In case of variation of coal quality at any point of time fresh reference shall be made to MoEF for suitable amendments to environmental clearance condition wherever necessary.	Source of coal is CCL, BCCL, ECL, MCL, NCL, PBCMP, SECL TSDC, NLC & WCFL.  Coal analysis report attached as <b>Annexure-B</b> . As per analysis reports ash content in coal slightly exceeds the limit, but as per MOEF & CC notification dated 21.05.2020, any type of coal may be used.
SC-06	Stack of 275 m height shall be installed and provided with continuous online monitoring equipment for SO <sub>x</sub> , NO <sub>x</sub> and Particulate Matter. Exit velocity of flue gases shall not be less than 22 m/sec. Mercury emissions from stack may also monitored on periodic basis.	<ul style="list-style-type: none"> <li>• 275 m stack has been provided with continuous online monitoring system for SO<sub>x</sub>, NO<sub>x</sub> and PM.</li> <li>• Exit velocity <math>\geq 22</math> m/sec is being complied.</li> <li>• Hg Emission Monitoring is being carried out offline and online Hg analyser has also been installed and commissioned in Unit#1, Unit#2 and Unit#3 Stacks. <b>Annexure – C (Picture of CEMS analysers)</b>.</li> </ul>
SC-7	Existing de-generated water bodies (if any) in the study area shall be regenerated at the project proponent's expenses in consultation with the state Govt.	The study has been conducted by M/s Geoscience Consultancy Services Roorkee. Two water bodies (Salaia & Kurva) in the surrounding village has been rejuvenated as per the earlier hydrogeological study. Final report has already been submitted in previous EC compliance report (April-24 to Sep-24). Degenerated water bodies are identified during the study and it is due to discharge of wastewater by villagers (of Saduri, Khaira and Kurwa). NSTPS is planning to regenerate the above water bodies through CSR budget.
SC-8	Detailed hydro-geological study shall be conducted (including sustainability of water source study) shall be carried out by an institute of repute and report submitted to the Regional Office (RO) of the ministry. Further hydro-geological study shall be reviewed annually from an institute/ organization of repute to assess impact of surface water and ground regime (especially around ash dyke). In case and deterioration is observed specific mitigation measures shall be undertaken and reports/ data of	<p>Hydro-geological study of NSTPS Nabinagar has been conducted by National Institute of Hydrology, Roorkee in 2019. Report of study has already been submitted.</p> <p>Hydro-geological study is being carried out by M/s Geoscience Consultancy Services Roorkee. Final report has already been submitted in last six monthly compliance report. (EC compliance report April-24 to Sep-24)</p> <p>No deterioration of water quality has been observed, as per the study.</p>

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**Nabinagar Super Thermal Power Station, Post-Aditi Nagar, Distt.: Aurangabad (Bihar) Pin Code: 824304**

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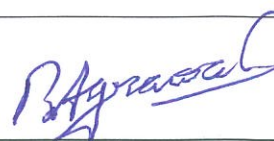
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	water quality monitored regularly and maintained shall be submitted to the RO of the Ministry.	
SC-9	Source of water for meeting the requirement during lean season shall be specified and submitted to the Regional Office of the Ministry within three months.	Source of water for meeting the requirement during lean season shall be same as during normal period of operation. The source of the water is from Indrapuri Barrage on Sone River. Communication has already been given to Regional Office
SC-10	No ground water shall be extracted for use in operation of the power plant even in lean season.	Ground water is not being extracted for operation of units under any circumstances.
SC-11	No water bodies (including natural drainage system) in the area shall be disturbed due to activities associated with the setting up / operation of the power plant.	No water bodies have been disturbed due to setting up and operation of NSTPS units.
SC-12	Minimum required environmental flow suggested by the Competent Authority of the State Govt. shall be maintained in the Channel/ Rivers (as applicable) even in lean season.	Complied The quantity of water drawn for Nabinagar STPS from Indrapuri Barrage is limited to the committed quantity for the project by State Govt. and therefore minimum required environmental flow is being maintained. Environmental flow is maintained as per Bihar govt agreement dated 09.10.2017. Minimum required environmental flow suggested by competent authority of the state govt. is maintained in the river during lean season as certified by WRD department of Bihar
SC-13	COC (Cycle of Concentration) of 5.0 shall be adopted. The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary except during monsoon. Arrangements shall be made that effluents and storm water do not get mixed.  A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation.	COC of 5.0 has been adopted. Treated effluents are recycled and reused. Zero Liquid discharge is being followed.  However, presently COC of 4.0 to 4.6 is being maintained due to different losses in the cooling Water system, although the leakage water is recycled and reused and ZLD is being maintained.  A sewage treatment plant has been installed and operational and the treated sewage water is being used for raising green belt / plantation.



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SC-14	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	Complied.
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.	System for 100% extraction of dry fly ash along with suitable storage facilities has been designed. A utilization plan has been made for 100% fly ash utilization and efforts are being made for 100 % ash utilization. <b>Annexure – D (Ash utilization data)</b>
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. <b>Mercury and other heavy metals (As, Hg, Cr, Pb etc.) will be monitored in the bottom ash</b> as also in the effluents emanating from the existing ash pond. No ash shall be disposed of in low lying area.	Dry Fly Ash Extraction system (DAES) is under operational which collects 100% fly ash in dry form. Unutilized fly ash is being disposed through High Concentrated Slurry Discharge (HCSD) and bottom ash through normal slurry mode. Heavy metal monitoring of bottom ash is being carried out periodically. No effluent from Ash Pond is going out. No Ash is disposed off in low lying area <b>Annexure – E (Fly Ash &amp; Bottom Ash report).</b>
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.	Being complied. Ash pond 1 has HDPE lining, ash pond 2&3 have bentonite clay layer at base.  Following safety measures is being taken to protect the Ash Dyke from getting breached: 1. Ash dyke Certification being conducted on annual basis as per CPCB chapter -09 of annual certification of ash ponds and dykes and annual compliances audit of ash generation utilization & disposal by Govt Institution. 2. Dyke stability analysis is also conducted time to time, whenever required. 3. Internal Audit of ash dyke being conducted by NTPC Corporate Operation Services (Ash Management group) and Regional Operation Services department and station representatives for any non-compliances.

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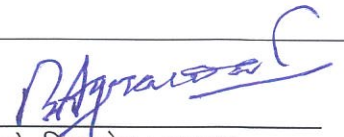
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		4. Annual Maintenance contract placed for day-to-day maintenance of ash dykes and scope for emergency preparedness is also cover in the above contract.
SC-18	Disposal of Bottom Ash in abandoned mines (if proposed to be undertaken) shall be carried 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.	Noted Disposal of Bottom Ash in abandoned mines presently not being done. In case, if it is carried out in future, it shall be carried out as per direction stipulated in EC conditions.
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-Tier Plantation has been developed with plantation of native species with specified tree density and survival rate by Forest Department, Govt. of Bihar. Following native spices have been planted in Plant premises. Neam, Peeple, Amla, Jamun, Baheda, Sisam, Gudel, Sagwan, Mahogani, Mango, Guava, Amaltas, Bargad, Gulmahor, Kadam, Chitwan Etc.
SC-20	The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for providing fluoride free potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.	NSTPS Nabinagar, as a Community development, 106 hand pump for safe and clean drinking water in the nearby villages has been installed. Further, NSTPS Nabinagar has carried out testing of Ground Water Quality by NIH, Roorkee and Concentration of Fluoride is within prescribed limit. (i.e. 1.5 mg/L).
SC-21	Further an amount of Rs 60.53 Crores shall be earmarked as one-time capital cost for CSR program as committed by the project proponent. Subsequently a recurring expenditure of Rs 10.40 Crores per annum shall be earmarked as recurring expenditure for CSR activities. Details of the activities	As per the approved Community development (CD) plan under R&R scheme, work has been undertaken for 59.87 Crores value upto FY 2024-25. Balance work of Value 0.79 crores, shall be completed in FY 2025-26.



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	to be undertaken shall be submitted within six months along with road map for implementation.	Recurring expenditure through CSR activities are being carried out in-line with NTPC CSR policy and guidelines.
SC-22	While identifying CSR activities it shall be ensured that need based assessment for the nearby villages within study area shall be conducted to study economic measures with action plan which can help in upliftment of poor section of society. Income generating projects consistent with the traditional skills of the people shall be undertaken. Special scheme for Bidi workers of Solapur shall be formulated. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program. Company shall provide separate budget for community development activities and income generating programs. Vocational training program for possible self-employment and jobs shall be imparted to identified villagers free of cost.	Being complied. The suggested activities are included in the approved CD plan by DM, Aurangabad for its implementation based on need-based assessment. NSTPS, Nabinagar sponsored to 30 youths for skill development program at CIPET Hajipur, Agro based training like vermicomposting provided to 50 PAPs and Bee keeping training & honey production and Amrit Krishi training has been provided to 50 PAPs each training and reimbursement of tuition fees for ITI course to the 115 PAPs/their wards. Vocational training for skill development to villagers and sewing training provided to girls in the villages. Apart from above beautician training imparted for 25 girls in Project affected villages.
SC-23	Shall be ensured that in-built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time.	NTPC Limited has in-built system for monitoring and implementation of the complete CSR/R&R Community Development Plan at the Unit Level, Region level and Corporate level. In-line with Monitoring System, a social audit (Need Assessment Study & Social Impact Evaluation) has been carried out by Indian Institute of Corporate Affairs, Draft report received. Based on Final report further action plan will be formulated.
<b>General Conditions</b>		
GC-1	A well-designed rainwater harvesting shall be put in place before commissioning of the plant. Central Ground water Authority / Board shall be consulted for finalization of appropriate rainwater harvesting technology/design within a period of three months from the date of this clearance and details shall be furnished.	Approval of Central Ground Water Board (CGWB) granted for construction of Rainwater harvesting (RWH).  Four Nos. recharge shafts (borewell) of RWH completed in Plant area near raw water Pump House and Two Nos. recharge shafts (borewell) of RWH in Township

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		completed. <b>Annexure – F (RWH details with picture).</b>
GC-2	Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.	<p><b>Complied.</b> Adequate safety measures are in place and details are as follows:</p> <ol style="list-style-type: none"> <li>1) Fire Hydrant System provided.</li> <li>2) Automatic medium velocity water spray system for conveyor, TP's Provided.</li> <li>3) Automatic Fire Detection Cum Sprinkler for crusher house provided.</li> <li>4) In addition to the above, project have established full-fledged fire station manned around the clock by CISF.</li> </ol> <p>Details of safety measures and plant lay out have been submitted as <b>Annexure-G.</b></p>
GC-3	Storage facilities for auxiliary liquid fuel such as LDO and/ HFO/LSHS shall be made in the plant area in consultation with Department of Explosives - Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	<p>Complied. License for storage of LDO has been granted by department of Explosive, Nagpur on 16.10.2018 and is valid up to 31.12.2026. <b>Annexure-H, LDO Storage Licence).</b></p> <p>HFO &amp; LSHS are not being used in the plant. Sulphur content in the liquid fuel is as per relevant IS code 15770:2021</p> <p>Disaster Management plan is in place.</p>
GC-4	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg,Cr,As,Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.	<p>Being Complied.</p> <p>Being complied. Ground water analysis report is sent to RO of the Ministry from time to time and attached as <b>Annexure-I (Ground water report).</b></p> <p>The present report is In-line with the base line data and no significant variation observed.</p>

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GC-5	Monitoring of surface water quantity and quality shall also be regularly conducted, and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.	Being complied Surface water analysis report is attached as <b>Annexure-J (Surface water report)</b>  Report of Surface water quality is submitted to ministry on regular basis.
GC-6	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	Construction completed and Plant is in Operation.
GC-7	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 75 dBA. For people working in the high noise area, requisite personal protective equipment like earplugs/earmuffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc. shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non noisy/less noisy areas.	Noise level monitoring being done. Noise level monitoring report is attached as <b>Annexure-K (Noise level report)</b> .  Requisite Personal protective equipment being ensured, and training imparted, and requisite training being imparted. Periodical examination of workers being carried out working in high noise area.
GC-8	Regular monitoring of ambient air, ground level concentration of SO <sub>2</sub> , NO <sub>x</sub> , PM <sub>2.5</sub> & PM <sub>10</sub> and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.	AAQMS at specified 04 locations is being carried out regularly. AAQMS report is attached as <b>Annexure-L (AAQMS report)</b> .  Online Ambient Air Quality station have already been Installed (in consultation with pollution control board) and commissioned and all are operational.  Periodic Report is submitted to regional office of Ministry (Report Attached) Online data is available to CPCB and SPCB round the clock.
GC-9	Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile	Construction completed and Plant is in Operation.

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	toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	
GC-10	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	Complied. <b>Annexure-M (Photo of Newspaper Advertisement).</b>
GC-11	A copy of the clearance letter shall be sent by the proponent to concern Panchayat, Zila Parisad/ Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Complied <b>Annexure-N (Copy of Letter sent to Panchayat).</b>
GC-12	An Environmental Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the head of the Cell shall directly report to the head of the organization.	Environmental Management Group (EMG) is already functional at site and reporting to Head of Project.
GC-13	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely,	Complied.

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**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](http://www.ntpc.co.in)





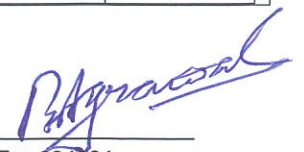
नबीनगर / Nabinagar

	SPM, RSPM (PM <sub>2.5</sub> & PM <sub>10</sub> ), SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	
GC-14	The environment statement for each financial year ending <b>31<sup>st</sup> March in Form-V</b> as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	Being complied.  Environmental Statement sent to MOEF&CC and BSPCB on dated 25.09.2024.
GC-15	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.	Last six-monthly report on status of the implementation of stipulated environmental safeguards was submitted on 31.12.2024 to MOEF&CC Regional Office, Central Pollution Control Board and State Pollution Control Board.  Last status of compliance of the environmental clearance conditions was uploaded on company website. It is accessed from the <a href="https://ntpc.co.in/about-us/corporate-functions/environment/status-hyc-reports">https://ntpc.co.in/about-us/corporate-functions/environment/status-hyc-reports</a>  Half Yearly EC Compliance report for the period of Oct-2024 to Mar-2025 is being submitted herewith.  All three Units in operation. NPGCL Nabinagar is now merged with NTPC Ltd. named as Nabinagar Super Thermal Power Station (NSTPS). Data uploading on NTPC website has been done and updated the same periodically.

*Agreement*

**नबीनगर / Nabinagar**

GC-16	Regional Office of the Ministry of Environment & Forests will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponents will up-load the compliance status in their website and up-date the same from time to time at least six-monthly basis. Criteria pollutants levels including NO <sub>x</sub> (from stack & ambient air) shall be displayed at the main gate of the power plant.	<p>Compliance report is being submitted regularly as per schedule.</p> <p>Environmental Impact Assessment Report has already been submitted to Regional office &amp; Environment Management Plan / Environment Statement has been submitted to MoEF&amp;CC from time to time.</p> <p>Display Board has been installed at the main Gate of the Power Plant. Real Time Environment Monitoring data is being displayed.</p>								
GC-17	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. This cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	<p>An amount of Rs 992.48 Crores have been earmarked in the Feasibility Report for Nabinagar STPP towards environmental measures like ESP (267.27cr), Chimney (95.45cr), Cooling System (141.31cr), Ash Handling and Disposal (370.80cr), Effluent Treatment (39.66cr), Sewage Treatment (5.64cr), Dust Extraction and Suppression System (2.66cr), ZLD (9.05cr), Fire Fighting (30.43cr), Green Belt and Afforestation (6.83cr), DM Plant Waste treatment System (22.38cr), Env. Lab equipment (1.0cr). Various system are under implementation at site.</p> <p>Year wise Expenditure incurred in FGD is tabulated below</p> <table><tr><th>S no</th><th>Financial Year</th><th>Expenditure Incurred In Crores</th><th>Total Award value of FGD in Crores</th></tr><tr><td>1.</td><td>2021-22</td><td>42.26</td><td></td></tr></table>	S no	Financial Year	Expenditure Incurred In Crores	Total Award value of FGD in Crores	1.	2021-22	42.26	
S no	Financial Year	Expenditure Incurred In Crores	Total Award value of FGD in Crores							
1.	2021-22	42.26								



नबीनगर सुपर थर्मल पावर स्टेशन, पोस्ट-अदिति नगर, जिला: औरंगाबाद (बिहार), पिन कोड : 824304

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		2.	2022-23	81.07	839.00 crores
		3.	2023-24	75.92	
		4.	2024- 25(Mar- 2025)	69.30	
GC-18	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.	Already Information is given to Regional Office and MoEF&CC.  Investment approval for the project was accorded by Board of NTPC Limited on 21.01.2013. The first, second and third Unit has been commissioned and commercial operation has been started from 6 <sup>th</sup> Sep'2019, 23 <sup>rd</sup> July'2021 and 01 <sup>st</sup> Jun'2022 respectively.			
GC-19	Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry at Bangalore / CPCB/ SPCB who would be monitoring the compliance of environmental status.	Full cooperation is being extended as and when required.			
ADDITIONAL CONDITIONS (J-13012/127/2007-1A.II(T))					
AC-1	The details of technology selection for adoption of FGD for control of SO <sub>x</sub> shall be submitted. In case of wet FGD, details regarding source of limestone, impact of transportation, handling storage and disposal of Gypsum including land requirement shall be submitted.	NSTPP Stage I is implementing wet FGD system and is presently under construction. The source of limestone and disposal of Gypsum shall be communicated later on.			
AC-2	In case SCR/SCNR is not adopted, an alternate technology analysis and	For NO <sub>x</sub> reduction system: The boiler is of sliding pressure supercritical, once-through type, utilizing a Tangential Firing System for NO <sub>x</sub>			

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	justification of technology selection for NOx reduction is to be submitted.	control in addition with SOFA (Separated Over Fire Air) and COFA (Close-coupled Over Fire Air) system.
AC-3	Progress of construction power plant till its commissioning, installation of FGD and De-Nox measures shall be submitted as a part of six-monthly compliance reports.	All 3 Units of Plants commissioned and Operational.  Target completion of FGD is as follows: Unit#1: Mar'26 Unit#2: June'26 Unit #3: Dec'26 Pl refer Additional condition (AC-2) Point for De NOx Measures.
AC-4	Emission norms and specific water consumption as per ministry norms dated 07.12.2018 and 28.12.2018 shall be complied with. As committed, Flue gas desulphurization unit and selective catalytic reactor to control SO <sub>2</sub> and NO <sub>x</sub> respectively shall be installed.	Being complied.  FGD erection work is under progress.
AC-5	Water requirement for FGD to be installed in the existing units has to be provided. Therefore, water balance to be modified based on the water requirement for whole units including a plan on ZLD.	Water balance diagram (attached as V-I) has been submitted along with previous compliance report.
AC-6	The stack emissions (min, max, average and 98 percentile) shall be submitted for the period of six months in the compliance report. Further daily water withdrawal, consumption, power generation and average PLF shall be submitted. The specific water consumption per MWhr shall be calculated based on water consumption shall be submitted in the compliance report.	Stack emission data for compliance period is enclosed at <b>Annexure-O (Stack emission report)</b> .  Water consumption data for compliance period is enclosed at <b>Annexure-P</b>  Specific water consumption is well within limit ( <b>mentioned in Annexure P</b> )





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

नबीनगर / Nabinagar

AC-7	The plant shall operate only after meeting the new emission norms as notified by ministry. Else, extension of timelines from CPCB for implementing pollution control measures for meeting new norms shall be obtained and copy of the same shall be submitted to Ministry.	The Plant is in operation as per the stipulated emission norms.
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*Agreed*  
*27/06/25*  
*AGM(TS & EMG)*

*Behera*  
*27/06/2025*  
(L. K. Behera)  
ED & Head of Project  
Nabinagar Super Thermal Power Station,  
Nabinagar

एल. के. बेहेरा / L.K.BEHERA  
कार्यकारी निदेशक/Executive Director  
नबीनगर सुपर थर्मल पावर प्रोजेक्ट  
Nabinagar Super Thermal Power Station

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