

NORTH CHENNAI THERMAL POWER PROJECT – STAGE III
(1 X 800 MW Super-critical)
DESCRIPTIVE REPORT ON STATUS OF COMPLIANCE TO THE CONDITIONS
OF THE ENVIRONMENTAL CLEARANCE AND ENVIRONMENTAL
MANAGEMENT

Subject: 1x800 MW North Chennai TPP (Stage-III) at villages Ennore and Puzhudivakkam, Ponneri Taluk, Tiruvallur District, Tamil Nadu by M/s. Tamil Nadu Generation & Distribution Corporation Ltd (TANGEDCO).

Reference: MoEF & CC letter no. J-13012/14/2012-IAI(T) dt.20/01/2016 and 13/04/2017.

A. Specific Conditions:

S.No	Conditions	Compliance Status for the month of October 2025 to March 2026
i.	Explore the feasibility of multiple distributing points for the discharge of cooling water into pre-cooling channel and also the widening of the pre-cooling channel.	In Stage-III, NDCT is provided for closed cycle circulating water system. Blowdown water is only let out into the pre-cooling channel being maintained by NCTPS Stage-I, once COC (Cycle of Concentration) reaches 1.3 in NDCT. Agreed to Comply
ii.	PP shall endeavor to enter into MoUs with NHAI, Associations of Cement Industries and Municipal Authorities for ensuring full ash utilization.	100% Fly ash generated in this plant in silo is being evacuated by the approved list of vendors of Stage-I , II and III. Being Complied.
iii.	As committed, FGD shall be installed to ensure emission below threshold limits.	LOA for FGD EPC contract was awarded to BHEL dated 22/02/2021. Construction work for establishing FGD system is in progress and 60% work has been completed. It is expected to be commissioned before December 2027. Agreed to Comply
iv.	Coal conveyance shall take place in closed conveyor and that there shall be	Agreed to Comply

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	no open stacking of the coal in the CRZ area.	
v	The intake water pipeline shall be laid as per provisions of CRZ Notification, 2011.	Complied.
vi	Disposal of hot water shall meet Tamil Nadu Pollution Control Board (TNPCB) norms.	In Stage-III, NDCT is provided for closed cycle circulating water system. Blowdown water is well within permissible limits. Complied.
vii	Water temperature shall be monitored at outlets of each of the unit (3 phases) and also at pre-cooling channel joining Ennore creek.	Installation work completed and commissioning in progress. Agreed to Comply.
viii.	All the recommendations and conditions specified by Tamil Nadu Coastal Zone Management Authority (TNCZMA) vide letter No. 10173/EC.3/2015-1 dated 16.06.2015, shall be complied with.	1. Fly ash generated so far are fully disposed/evacuated in dry form through vendors of Cement/brick manufacturing industries. 2. Closed coal conveyor system installed and hence, complied. 3. As per TNPCB, four nos. AAQMS stations for monitoring ambient air has been erected and commissioning work under progress. 4. Project activities has not hindered the fishing activities. 5. Water temperature monitoring at outlet-Installation work completed and commissioning in progress. 6. For other points, agreed to Comply.
ix.	Explore to develop Green belt along the conveyor	Green belt is being developed along conveyor and other areas. About 9850 saplings along the conveyor has been planted with necessary drip irrigation system. Totally 22,100

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		Saplings has been planted in 17.5 acres of area inside NCTPS Stage-III premises as on July 2026 and balance plantation work in progress. Being complied.
x.	Periodical monitoring of the sea water at the discharge point shall be done and report be submitted along with the six-monthly monitoring reports.	Periodical monitoring is being carried out. Agreed to Comply
xi.	Construction activity shall be carried out strictly as per the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Agreed to Comply.
xii.	Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within six months.	There is no expansion envisaged after this NCTPS Stage-III project within the NCTPS Complex. Complied.
xiii.	Harnessing solar power within the premises of the plant particularly at available roof tops shall be carried out and status of implementation including actual generation of solar power shall be submitted along with half yearly monitoring report.	Contract has been awarded to carry out Roof Top Solar Plant installation work for a capacity of 1.76MWp (DC) and erection work is in progress. Agreed to Comply.
xiv.	The sulphur and ash content of coal shall not exceed 0.8% and 8% respectively. In case of variation of quality at any point of time, fresh reference shall be made to the Ministry for suitable amendments to the environmental clearance.	As per the Amended EC & CRZ clearance for change in coal source from 100% imported coal to use a mix of domestic coal as well as Imported coal in the ration of 50% :50% vide No.: J-13012/ 14/2012-IA.II(T) dt.08.03.2025, 25.5% Ash generation is allowed which is being complied.

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		Sulphur and Ash contents are within limit. Agreed to Comply.
xv.	A long term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute and results thereof analyzed every ten year and reported along with monitoring reports Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.	Agreed to Comply.
xvi.	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 30 mg/Nm³, 100 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 along with an environment friendly sludge disposal system	ESP is fully completed and Performance Guaranty Test of ESP was completed during 11/2025. Bag filters and water spray system provided. Agreed to Comply
xvii.	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.	Agreed to Comply
xviii.	The SO₂, NO_x and Hg emissions shall not exceed 100 mg/Nm³, 100 mg/Nm³ and 0.03 mg/Nm³ respectively.	Stack Monitoring system erection and Commissioning completed and the emissions are within the limits. Agreed to Comply

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xix.	The specific water consumption shall not exceed 2.5m ³ /MWh and zero waste water discharge shall be achieved.	As per the notification issued on 28.06.2018 by MoEF & CC, the coastal power plants are exempted from the purview of MoEF notification dated 07.12.2015 in respect of specific water consumption and zero discharge. Agreed to Comply
xx.	COC of at least 1.3 shall be adopted.	Agreed to Comply. Since NDCT is provided for closed cycle circulating water system and Blowdown water is being let out and COC is maintained below 1.3 by make up of fresh sea water.
xxi.	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 also be undertaken and results/findings submitted along with half yearly monitoring report.	Regular monitoring is being carried out. Agreed to comply.
xxii.	A well designed rain water harvesting system shall be put in place within six months, which shall comprise of rain water collection from the built up and open area in the plant premises and detailed record kept of the quantity of water harvested every year and its use.	Water table in NCTPS Stage-III premises is around 1m depth. However, the contract for carrying out Rain water harvesting system as per the guidelines of state PWD has been awarded and RHS will be completed before December 2026. Agreed to Comply.
xxiii.	No water bodies including natural drainage system in the area shall be disturbed due to activities association	Being complied.

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	with the setting up/ operation of the power plant.	
xxiv.	Wastewater generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB/CPCB.	Agreed to Comply
xxv.	Explore the commercial utilization of brine instead of discharging into sea.	Not feasible.
xxvi.	Disposal of solid/liquid from Desalination plant shall comply with the prescribed standards and if need be, environmental safeguard measures by providing balancing/ neutralizing tank may be set up and operated regularly & efficiently.	Neutralization Pit is provided. Agreed to Comply
xxvii.	Sea water quality shall be continuously monitored for salinity, turbidity and temperature at selective sites across the impacted zone including estuarine waters. Mitigative measures shall be undertaken through institutes such as Annamalai University for continuous preservation of mangroves and their ecology. The monitoring data shall be uploaded on the company's website and also submit to Regional Office of the Ministry every six months.	Regular monitoring is being carried out. Agreed to Comply.
xxviii.	To minimize entrapment of even small marine flora and fauna, state of the art low aperture intake screens with high effectiveness for impingement and entrainment and fishnet around intake shall be installed.	Since intake provision is from existing forebay of NCTPS-II, this does not arise. Complied
xxix.	Fish catch along the impacted zone of sea should be monitored periodically by the Department of Fisheries, Government of Tamil Nadu. The Project proponent shall accordingly take up the	Agreed to Comply

S.No	Conditions	Compliance Status for the month of October 2025 to March 2026
	matter with the Fishery Dept., Govt. of Tamil Nadu from time to time.	
xxx.	The project proponent shall upload environmental quality monitored data on a regular basis on its website.	Agreed to Comply
xxxi.	Marginalized section of society particularly traditional fishermen communities shall be identified based on 2011 population census data and Socio-economic study of the various strata of families such as those carrying out subsistence fishing, commercial fishing etc. shall be carried out and impact on their livelihoods shall be assessed separately. Accordingly, sustainable welfare scheme /measures shall be undertaken and status of implementation shall be submitted to the Regional Office of the Ministry within six months.	10% Employment assistance is being provided to the nearby fishermen village by incorporating the condition in all tenders. CSR payment for an amount of Rs.382.89 lakhs was already made on 13.11.2025 as a first phase. Second Phase payment remittance for an amount of Rs.372.95 is in progress. Agreed to Comply
xxxii	A state-of-the-art environmental laboratory at the project site shall be established such that the laboratory has facilities for long term monitoring of sea water quality and sediment in the impacted zone over and above and ambient air, soil quality analysis of the area. The proponent shall undertake mitigative measures if there are any negative impacts.	Agreed to Comply
xxxiii.	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.	Additional soil for leveling of the proposed site will be met from within the NCTPS complex to the maximum extent possible. Complied

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xxxiv.	Fugitive emission of fly ash (dry or wet) shall be controlled such that no agricultural or non-agricultural land is affected. Damage to any land shall be mitigated and suitable compensation provided in consultation with the local Panchayat.	Agreed to Comply
xxxv	Fly ash shall not be used for agricultural purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close coordination with the State Pollution Control Board.	Fly Ash is not used for agriculture purpose and not for void filling. Agreed to Comply
xxxvi.	Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Mercury and other heavy metals (As, Hg, Cr, Pb etc.,) shall be monitored in the bottom ash. No ash shall be disposed off in low lying area.	Silos are provided. Testing and Monitoring of Hg and other heavy metals are being complied. Agreed to Comply
xxxvii.	Green Belt consisting of three tiers of plantations of native species all around plant and at least 50 m width shall be raised. Wherever 50 m width is not feasible a 20 m width shall be raised and adequate justification shall be submitted to the Ministry. Tree density shall not be less than 2500 per ha with survival rate not less than 80%.	Green belt is being developed along conveyor and other areas. Totally 22,100 Saplings has been planted in 17.5 acres of area inside NCTPS Stage-III premises as on July 2026 and balance plantation work in progress. Tree density of more than 2500 per ha has been maintained with survival rate of above 95%.

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		Agreed to Comply.
xxxvii i	Green belt shall also be developed around the Ash Pond and above the Green Belt around the plant boundary.	Work under progress. Agreed to Comply.
xxxix	An Environmental Cell comprising of at least one expert in environmental science / engineering, ecology, occupational health and social science, shall be created preferably at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the Plant who would be accountable for implementation of environmental regulations and social impact improvement / mitigation measures	Environmental Monitoring Cell at site is being constituted. Agreed to Comply
xl.	The project proponent shall formulate a well laid Corporate Environment Policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations.	Agreed to Comply
xli.	CSR schemes identified based on need based assessment shall be implemented in consultation with the village Panchayat and the District Administration starting from the development of project itself. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Company shall provide	The Permanent Infrastructure works list received from the District Collector, Thiruvallur has been forwarded to TANGEDCO HQ and approved and fund allotment of Rs.755.84 Lakh towards CSR has been issued vide Board Proceedings No. (Per) FB TANGEDCO (TB) No.57 dt.21.09.2023.

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	separate budget for community development activities and income generating program.	Administrative approval from the District Collector, Thiruvallur for fund transfer was received. Payment of Rs.389.82 lakhs was already made on 13.11.2025 as a first phase. Agreed to Comply
xlii.	For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.	Will be formed under the guidance of the District Collector and will be complied. Agreed to Comply

B. General Conditions:

S.No	Conditions	Compliance Status for the month of October 2025 to March 2026
i.	The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. Arrangements shall be made that effluents and storm water do not get mixed.	Effluent Treatment Plant - Trial operation in progress and a part of treated effluent will be used for Horticulture. Agreed to Comply
ii.	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation	STP Commissioned. Treated sewage will be used for raising Greenbelt/Gardening. Necessary pipelaying work is being commenced. Agreed to Comply
iii.	Adequate safety measures shall be provided in the plant area to check/ minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.	Periodical Mock drills are being carried out. Occupational Health Center is available at NCTPS Stage-III. Regular health checkup is being undertaken. ESI is also engaged monthly once for health checkup.

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iv.	Storage facilities for auxiliary liquid fuel such as LDO/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.	HSD and HFO tank constructed as per norms and necessary license obtained. Disaster Management Plan (DMP) is in place. Recommendations mentioned in the DMP are being followed. Complied.
v.	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction	Complied.
vi.	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 85 dB(A) from source. For people working in the high noise area, requisite personal protective equipment like earplugs / ear muffs 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.	Ambient noise survey in Boiler area is 62dB, within the limits. Personal Protective Equipment provided to the people working in the high noise area. Agreed to Comply.
vii.	Regular monitoring of ambient air ground level concentration of SO ₂ , NO _x , PM _{2.5} & PM ₁₀ 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	Stack monitoring system erection and Commissioning completed. Location of AAQMS have been finalized by TNPCB, AAQMS erection (by M/s. BHEL) completed and commissioning in progress. Agreed to Comply.

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	of this Ministry. The data shall also be put on the website of the company	
viii.	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.	Agreed to Comply
ix.	Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical healthcare, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Laborers are not allowed to stay inside the NCTPS complex. Laborers have been provided housing in the nearby villages by the EPC contractor with all facilities. Complied
x.	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 http://envfor.nic.in .	Necessary advertisement published (on 03.02.2016). Complied
xi.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, ZilaParisad, Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/ representations, if any,	Complied. Copy of the clearance has been sent to District Collector / Tiruvallur, Revenue Divisional Officer/Ponneri, President/Athipattu Panchayat, Thasildar/Ponneri taluk vide TANGEDCO's Lr.No.30 dated 04.02.2016.

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	were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Copy of the Environmental Clearance was uploaded in the TNPGL website. Complied
xii.	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM (PM_{2.5} & PM₁₀), SO₂, NO_x (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	Being complied. Pollutant level Display erection work in progress and will be completed by September 2026. Agreed to Comply
xiii.	The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by email.	Agreed to Comply
xiv.	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its	Being complied.

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	Regional Office, Central Pollution Control Board and State Pollution Control Board. The Project proponent shall upload the status of compliance of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same bye-mail to the Regional Office, Ministry of Environment and Forests.	Compliance report is being submitted to the Ministry and uploaded to Parivesh website
xv.	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 proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly basis. Criteria pollutants levels including NO_x (from stack & ambient air) shall be displayed at the main gate of the power plant.	Noted. R.O/Chennai inspected the project on 31.10.2022 and 23.01.2024 also. Environmental Impact Assessment and Environment Management Plan already submitted and will be complied in respect to additional information. Compliance status uploaded in TNPGL website. Pollutant level Display erection work in progress and will be completed by September 2026.
xvi.	Separate funds shall be allocated for implementation of environmental protection measures along with item wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be	An amount of Rs.1185.21 Crores is earmarked for environmental protection measures including FGD, ESP and DSS.

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	diverted for other purposes and year wise expenditure should be reported to the Ministry	Environmental protection measures including FGD, ESP, and DSS is being implemented. Complied.
xvii.	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work and commissioning of plant.	Administrative approval accorded vide TANGEDCO Proceedings No.2, dt.21.01.2016 and revised vide TANGEDCO proceedings No.40 dt.27.09.2021 later vide (per) FB TANGEDCO Proceedings No.11 (TB) dt.29.02.2024 for Rs.10,158 Cr. LOA issued to the BTG contractor on 29.01.2016.and BOP contractor 28.10.2016. Inaugurated the plant on 07.03.2024 by the Hon'ble Chief Minister of Tamilnadu. Trial operation and COD is completed on 24.01.2026. Agreed to Comply
xviii.	Full cooperation shall be extended to the Scientists /Officers from the Ministry / Regional Office of the Ministry/ CPCS / SPCS who would be monitoring the Compliance of environmental status.	Full co-operation is being extended. Being Complied
C.	An as built (or) as completed report on EMP to be submitted stating the scope/extent of work envisaged in the EIA along with estimated cost vis-à-vis the actual completed works and cost incurred.	Environment Management Plan has already submitted. Information regarding the actual completed works and cost incurred will be furnished after completion of the project.

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	A certificate/ completion certificate accordingly, shall have to be submitted before commissioning of the TPP.	Certificate/ completion certificate will also be submitted after completion of the project. Agreed to Comply


 Chief Engineer/NCTPP-III,
 Chennai-120.