

TAMIL NADU POWER GENERATION CORPORATION LIMITED.

From

Er.A.Kannan,B.E.,
Chief Engineer,
Udangudi STPP-I,
Tuticorin District.

To

1. The Deputy Director General of Forests (C)
MoEF & CC,
Integrated Regional Office,
Ist and IInd Floor, Handloom Export
promotion Council,
34, Cathedral Garden Road,
Nugambakkam,
Chennai-24.
E mail – roefccc1@gmail.com.
2. The District Environmental Engineer,
TNPCB, C7 & C9, SIPCOT Industrial
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Letter No. CE/SE/Civil/EE/C /Div-I /USTPP-I /F.EC & CRZ/697 ,Dt.16 .10.2025

Sir,

Sub	:	TNPGCL – USTPP-I – Establishment of 2x660MW Super Critical Thermal Power Project Stage I and its Captive Coal Jetty with Unloading facilities and Pipe Conveyor System – Bi annual report on the status of compliance of the EC & CRZ conditions revised for the period from April 2025 to September 2025 - sent – Reg.
Ref	:	1)MoEF& CC's No. F.No.11-48/2009-IA.III Dt.06.06.2011. 2)MoEF & CC 's No.J 13012/19/2008-IA.II(T) Dt. 14.10.2013. 3)MoEF& CC No.F.No 11-48/2009-IA-III (PLI) Dt.15.05.2018. 4)MoEF & CC No. J-13012/19/2008-IA. II (T) Dt.25.09.2020. 5)MoEF & CC's EC identification No:EC22A004TN156490, dt.03.08.2022. 6)TNPCB – mail received on Dt.31.12.2024.

The Bi annual report on the status of compliance of the stipulated Environmental and CRZ Clearance conditions for the period from April 2025 to September 2025 in respect of 2X660MW Udangudi Super Critical Thermal Power Project Stage I and its Captive Coal Jetty with Unloading facilities and Pipe Conveyor System/ Udangudi of TNPGCL is sent herewith and uploaded in MoEF Portal on 14.10.2025.

Encl: Compliance Status Report - (18 Sheets)

Yours faithfully,


CHIEF ENGINEER.,
USTPP- I/Udangudi.

Copy to the Director(Projects)/TNPGCL/HQ/Chennai.

- ✓ Copy to the Superintending Engineer/P&E/Head Quarters/144, Anna Salai, Chennai-02.
Copy to the Superintending Engineer/Civil/USTPP-I/Udangudi site/Udangudi.
Copy to the Executive Engineer/Civil/PH/Division I, III & CJ /Udangudi site/Udangudi.

DESCRIPTIVE REPORT ON STATUS OF COMPLIANCE TO THE CONDITIONS OF THE ENVIRONMENTAL CLEARANCE AND ENVIRONMENTAL MANAGEMENT

Subject: 2 x 660 MW Udangudi Super Critical Imported Coal Based TPP at Udangudi village, in Thiruchendur Taluk, in Thoothukudi district, in Tamil Nadu by M/s Tamil Nadu Power Generation Corporation Limited. (TNPGL).

Reference: 1. J 13012/19/2008-IA.II (T) dated.14.10.2013 Govt of India MoEF New Delhi.
2. J-13012/19/2008-IA.II (T), dated.26.4.2017 Govt of India MoEF New Delhi. (Amendment)
3. J-13012/19/2008-IA.II (T), dated.25.09.2020 Govt of India MoEF New Delhi.

A. Specific Conditions:

S. No.	Conditions	Compliance status for the period from April 2025 to September 2025
i.	CRZ clearance for permissible activities in CRZ area shall be obtained prior to starting any activity in CRZ area.	A fresh EC & CRZ clearance has been obtained from MoEF & CC/GOI for the balance work of Captive Coal Jetty and Pipe Conveyor systems for 2X660MW Udangudi Super Critical Thermal Power Plant. Vide EC identification No: EC22A004TN156490, dt.03.08.2022.
ii.	In case source of fuel supply is to be changed at a later stage (now proposed on imported coal from Indonesia) the project proponent shall intimate the Ministry well in advance along with necessary requisite documents for its concurrence for allowing the change. In such a case the necessity for re-conducting public hearing may be decided by the Ministry in consultation with the Expert Appraisal Committee.	Will be complied
iii.	Surplus course channel shall be developed so that the surplus water from Ellappanaicken tank as well as self-catchment water is drained into Kulasekarapattinam tharuvai. Additionally peripheral drain to transport/convey above surplus water (including storm water from the catchment area) to Kulasekarapattinam Kuttam shall be developed.	Being complied with.
iv.	Transportation of coal shall be strictly by tube conveyor system from the Port to the power plant site	Complied with.
v.	Sulphur and ash contents in the coal to be used in the project shall not exceed 0.6 % and 8.0 % respectively at any given time. The GCV of the imported coal to be used shall not be below 6000 Kcal/kg. In case of variation of coal quality at any point of time, fresh reference shall be made to the Ministry for consideration.	Will be ensured and complied .
vi.	Bi-flue stack of 275 m height shall be provided with continuous online monitoring equipment's for SO _x , NO _x and Particulate Matter (PM _{2.5} & PM ₁₀). Exit velocity of flue gases shall not be less than 22 m/sec. Mercury emissions from stack shall also be monitored on periodic basis.	Will be complied
vii.	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission from the proposed plant does not exceed 50 mg/Nm ³ .	Will be complied with. It will be ensured that PM emission does not exceed 30 mg/Nm ³ as per latest MoEF norms.

S. No.	Conditions	Compliance status for the period from April 2025 to September 2025
viii.	Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry form. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. No ash shall be disposed off in low lying area.	Will be complied
ix.	Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.	Being complied with.
x.	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.	Will be complied
xi.	A long-term study of radio activity and heavy metals contents on coal to be used shall be carried out through reputed institutes like AMD, Hyderabad, Central Power Research Institute, Bangalore, Mangalore University and report submitted to R.O of the Ministry from time to time.	Will be complied
xii.	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.	Noted and will be complied
xiii.	The project proponent shall regenerate degraded water body (if any) located nearby within 5.0 km at least.	No water body degraded
xiv.	Suitable screens (in stages) shall be placed across intake channel to prevent entrainment of life forms including eggs, larvae, juvenile fish, plankton etc. during extraction of sea water.	Complied with
xv.	Coastline stabilization in and around power project facilities shall be undertaken either by way of using capital dredging material or suitable method.	As per the Tamil Nadu Coastline map prepared by Institute of Ocean Management, Ministry of Environment and Forests, GOI, the coast near the project site is classified as stable coast with low accretion at some stretches. However, the coastline will be monitored and action will be taken for coastline stabilization if required.
xvi.	The project proponent shall examine in detail the possibility to adopt NIOT technology for desalination of sea water through Low Temperature Thermal Desalination (LTTD) process. In case the same is not feasible detailed explanation shall be submitted.	Based on the details obtained from NIOT, it is seen that the cost of generation of desalinated water works out to 20 paise per liter, (i.e) approximately, Rs.200 per cubic meter of desalinated water. Hence it is considered un-economical.

S. No.	Conditions	Compliance status for the period from April 2025 to September 2025
xvii.	The water containing brine shall be discharged after cooling at ambient temperature in a guard pond such that the same meets the average salinity of sea water	Will be complied
xviii.	No waste water should be discharged into channel systems, backwaters, marshy areas and seas without treatment. The outfall should be first treated in guard pond and then discharge into deep sea (12 to 15 m depth). Similarly, the intake should be from deep sea to avoid aggregation of fish. The brine that comes out from desalinization plants should not be discharged directly into sea but it should be recycled and diluted to acceptable salinity level meeting near level of sea water salinity.	Will be complied
xix.	COC of atleast 1.25 shall be adopted and report submitted within 3 months of operation of the plant.	Will be complied
xx.	A well-designed rain water harvesting system shall be put in place which shall comprise of rain water collection from the built up and open area in the plant premises.	Will be complied
xxi.	The leveling in plant area should be minimum with no or minimal disturbance to the natural drainage of the area. If the minor canals (if any) have to be diverted, the design for diversion should be such that the diverted canals not only drain the plant area but also collect the volume of flood water from the surrounding areas and discharge into marshy areas/major canals that enter into creek/nallah etc. Major canals should not be altered but their bunds should be strengthened and desilted.	Flood Protection & Area drainage studies in the project site has been carried out by Anna University and the report of the same was submitted to MoEF. As directed by MoEF in Point (iii) of Environmental Clearance, surplus course channel will be designed so that the surplus water from Ellappanaicken tank as well as self-catchment water is drained into Kulasekarapattinam tharuvai.
xxii.	In the event the project entails acquisition of community fodder land, the project proponent shall ensure that alternative fodder farm is developed and handed over to the community in a time bound manner. Firm financial commitment along with details for development of fodder farm / grazing land shall be submitted within three months to the Ministry.	No community fodder land has been acquired for the Power Plant.
xxiii.	Degenerated mangrove located in the study area (if any) shall be adopted and regenerated in consultation with the concerned Dept. of the State Government.	The forest department approval for adaption of the mangrove and the DFO informed that no such area-for taking upon mangrove plantation in and around plant area. (letter enclosed)
xxiv.	Green Belt consisting of three tiers of plantations of native species around plant (except in areas not feasible such as gates and at least 100 m width shall be raised. Wherever 100 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 less than 2500 per ha with survival rate not less than 80 %.	Being complied.

S. No.	Conditions	Compliance status for the period from April 2025 to September 2025
xxv.	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 the project proponent shall set up single teacher school in every 6 villages in the study area so that village boys and girls do not have to walk long distances. The project proponent shall also explore the feasibility of providing cycles to school going children/students to address school dropouts out of committed CSR budget. Report to this effect shall be submitted to the Ministry from time to time.	A total amount of Rs 7.8428 Crores has been given to the District Collector/Tuticorin for the year 18-19 and many social welfare works were carried out in the village of fishermen community in and around the project site. Meanwhile TNPGL has sanctioned Rs.8.00 Crores towards CSR fund for the year 2019-2020 and of which , Rs.3.0 Crores paid as a first installment.
xxvi.	The project proponent shall adopt the fishing communities displaced / affected by the power plant and in particular those residing in and around the plant within 3.0 km radius. Accordingly, basic amenities like development of roads, drinking water supply, primary health center, primary school etc. shall be developed in co-ordination with the district administration.	The District Administration is carrying out the above works.
xxvii.	It shall be ensured that vocation of traditional fishing community is not hampered due to the activities of the power project. The project proponent shall ensure that the fishing community is involved in developmental process and welfare schemes for traditional fishing community is drawn for sustainable implementation.	Will be complied
xxviii.	An amount of Rs 86.0 Crores as one-time investment shall be earmarked for activities to be taken up under CSR during construction phase of the Project. Recurring expenditure for CSR thereafter shall be Rs 15.0 Crores per annum till the life of the plant. Social Audit by a reputed University or an Institute shall be carried out annually and details to be submitted to the Ministry besides putting it on the Company's website.	As per GOI/MOEF & CG office memo, Dt 01.05.2018, the CSR Fund allotment is Rs 32.70 crores (i.e) 0.25% of Project cost. Instead of Rs 86 crores. Out of 32.70 Crores, Rs 7.8428 Crores has been given to the District Administration as a first phase for the year 18-19. TNPGL has sanctioned Rs.8.00 Crores for the year 2019-2020 towards CSR fund and of which, Rupees 3.0 Crores paid as a first installment.
xxix.	A common Green Endowment Fund should be created by the project proponents out of EMP budgets. The interest earned out of it should be used for the development and management of green cover of the area.	Will be complied
xxx.	A Fishermen Endowment Welfare Fund should also be created not only to enhance the quality of life of fishermen community through creation of facilities for fish landing platforms / fishing harbor / cold storage, but also to provide relief in case of emergency situations such as missing of fishermen on duty due to rough seas, tropical cyclones and storms etc.	Will be complied

S. No.	Conditions	Compliance status for the period from April 2025 to September 2025
xxxi.	There should not be any contamination of soil, ground and surface waters (canals & village pond) with sea water in and around the project sites. In other words, necessary preventive measures for spillage from pipelines, such as lining of guard pond used for the treatment of outfall before discharging in to the sea and surface RCC channels along the pipelines of outfall and intake should be adopted. This is just because in the areas around the projects boundaries there may be fertile agricultural land used for paddy or other crop cultivation	Will be complied
xxxii.	Marine biology shall not be disturbed due to any activity arising from the operation of the power plant. Continuous monitoring of the marine biology in the area shall be undertaken and assessed for any changes beyond the natural variability identified and records maintained and submitted to the Ministry from time to time.	Action being taken.
xxxiii.	Continuous monitoring of marine biology during construction and operational period of power plant shall be undertaken by an institute of repute like Faculty of Marine Sciences, Annamalai University. In addition, monitoring of surface water quality in the vicinity of the power plant in and around 3.0 kms radius 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	For continuous monitoring of marine biology work awarded to Fisheries college and Research institute, Tuticorin. (letter enclosed).
xxxiv.	An Environmental Cell comprising of at least one expert in Marine biologist and an ecologist, shall be created at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the head of the organization who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.	Decision will be taken at Head Quarters.
xxxv	The physical and financial progress of FGD and other pollution control measures to meet revised emission norms vide notification dt.07.12.2015 shall be submitted as part of compliance report.	Will be complied
xxxvi	Progress of construction of the project till the COD of both units achieved shall be furnished in the compliance report.	The Physical progress of the construction of the Projects is 90.91% as on 31.05.25. The expected date of completion of Unit –I is Aug 25 and Unit –II is Dec 25.

B. General Conditions:

S. No.	Conditions	Compliance status
i.	Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within six months.	It is planned to establish 2x660 MW and 2x660 MW each as stage II & III as expansion project.
ii.	Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of implementation shall be submitted periodically to the Regional Office of the Ministry.	Being complied
iii.	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.	Will be complied
iv.	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation.	Will be complied
v.	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 8 location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.	Will be complied
vi.	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.	Complied with
vii.	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	Being complied
viii.	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.	Will be complied
ix.	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	Being complied

S. No.	Conditions	Compliance status
	reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.	
x.	Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Temporary labour camps are provided to the construction laborers at the Project site till the construction activities with all facilities.
xi.	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 .	Notice for Issuance of EC was published in two local newspapers (Tamil & English) .
xii.	A copy of the clearance letter shall be sent by the proponent to concerned 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.	EC published on the TNEB web site. Copies of the E.C furnished to all the concerned local bodies
xiii.	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 (PM2.5 & PM10), SO ₂ , NO _x (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	Environmental clearances (Main Plant and Coal jetty) are available in www.tnpgcl.org
xiv.	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 e-mail.	Form –V is for plant in operation only.
xv.	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated	Being complied.

S. No.	Conditions	Compliance status
	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.	
xvi.	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 NOx (from stack & ambient air) shall be displayed at the main gate of the power plant.	Permanent Air monitoring system location are finalized in consultation with Pollution Control Board and work under progress
xvii.	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These costs 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.	Fund allotted for environmental protection measures has not been diverted to other works. The annual report of the environmental protection will be submitted in future
xviii.	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.	Final approval and commencement of the project field activities is on 07.12.2017
xix	Full cooperation shall be extended to the Scientists /Officers from the Ministry / Regional Office of the Ministry /CPCB/ SPCB who would be monitoring the compliance of environmental status.	Full cooperation will be extended.

EC amendment letter no.J 13012/19/2008-IA.II (T) dated.14.10.2013

S. No.	Conditions	Compliance status
i.	MoEF & CC Notification S.O. 3305(E) dated 07.12.2015 shall be implemented with respect to specific water consumption, zero liquid discharge and revised emission standards.	Since Udangudi Supercritical Thermal Power Project will utilize sea water for cooling water purpose, zero waste water discharge is practically not possible.

S. No.	Conditions	Compliance status
		Necessary report in this regard has been furnished by TNPGL. Further MOEF, vide draft Notification dated 16.10.2017 has stated that the specific water consumption limit shall not be applicable to Thermal Power Plants using sea water.
ii.	As per the Revised Tariff Policy notified by Ministry of Power vide dated 28.01.2016, project proponent shall explore the use of treated sewage water from the sewage treatment plant of Municipality / Local Bodies / similar organization located within 50 km radius of the proposed power project.	Will be examined
iii.	Compliance of EC conditions, E(P) Act, 1986, Rules and MoEF & CC notifications issued time shall be done by an environment officer to be nominated by the Project Head of the Company who shall be responsible for implementation and necessary compliance.	Noted and will be complied with
3.	All other conditions mentioned in the Ministry's letter of even no. dated 13.12.2012 shall remain the same, as applicable.	Noted.

DESCRIPTIVE REPORT ON STATUS OF COMPLIANCE TO THE CONDITIONS OF THE ENVIRONMENTAL CLEARANCE AND ENVIRONMENTAL MANAGEMENT

Subject	:	Environmental and CRZ Clearance for establishing Captive Coal Jetty for 2x660 MW Super Critical Thermal Power Project at Udangudi, Thoothukudi District, Tamil Nadu by M/s.Tamil Nadu Generation and Distribution Corporation Ltd.
Reference	:	1.Ministry of Environment, Forest & Climatic Changes/Government of India's Lr.dt.06.06.2011 2.Ministry of Environment, Forest & Climate Change/Govt. of India's Lr.dt.15.05.2018.

A. Specific Conditions:

S.No.	Conditions	Compliance status as on 30.09.2025
i.	The Jetty shall be of adequate size to facilitate deployment of equipment connected with repair and maintenance of the material handling equipment planned for cargo operations	Complied
ii.	Lighting of trestle (both side) to avoid accident of moving boats shall be provide.	Complied
iii.	The outfall location shall be 1.06 km and intake is at 5.4 m depth 2.05 km, away from the shore line and regular monitoring of dispersion of the effluent shall be carried out to ensure no adverse impact to the neighboring eco-sensitive environments.	Complied as approved in MoEF & CC vide EC Identification No: EC22A004TN156490 dt.03.08.2022

iv.	The gap between the trestle supports (piles if it is a piled structure) shall be a minimum of 30 m and 7.0 m height to facilitate navigation/movement of fishing and other such vessels.	Piles has been proposed for trestle support and 34 M span piles support and about 8 m height has been provided.
v.	Oil spill contingency Management Plan including necessary oil spill combating equipment like tug with booms and skimmer and sorbent pads shall be provided as appropriate	Action being taken
vi.	Sea bed levels shall be regularly monitored at the location of trestle.	Being complied with
vii.	Protective measures for the Piles/foundation against hitting of moving boats shall be provided.	Since piles has been designed for carrying load of 600T with dis of 1.20 M and piles are covered with MS Plate, the piles will not be affected due to hitting of moving boats.
viii.	Tugs to be provided shall have dual functions-one for navigation purposes and the other for firefighting operations.	Action being taken.
ix.	A copy of the DPR shall be submitted to the Ministry in due course so as to have full details of the proposed facilities and their impact on Marine environment.	Complied with
x.	No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Complied
xi.	The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.	Presently one senior officer at the level of AEE/Civil is looking after the environmental related activities. On commissioning of the plant, a full pledged Environmental cell will be formed.
xii.	The project proponent shall take up mangrove plantation/green belt in the project area, wherever possible. Adequate budget shall be provided in the Environment Management Plan for such mangrove development.	Being complied with necessary budget provision made in the EMP.
xiii.	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Being complied with

B. General Conditions:

S.No.	Conditions	Compliance status as on 30.09.2025
i.	Adequate provisions for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the construction phase of the project to avoid any damage to the environment	Complied

ii.	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	Complied with
iii.	Borrow sites for each quarry sites for road construction material and dump sites must be identified keeping in view the following:	
	a) No excavation or dumping on private property is carried out without written consent of the owner.	Complied with
	b) No excavation or dumping shall be allowed on wetlands, forest areas or other ecologically valuable or sensitive locations.	Complied with
	c)Excavation work shall be done in close consultation with the Soil Conservation and Watershed Development Agencies working in the area, and	Complied with
	d) Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such materials must be secured so that they shall not leach into the ground water.	Complied with
iv.	The construction material shall be obtained only from approved quarries. In case new quarries are to be opened, specific approvals from the competent authority shall be obtained in this regard.	Complied with
v.	Adequate precautions shall be taken during transportation of the construction material so that it does not affect the environment adversely.	Complied with
vi.	Full support shall be extended to the officers of this Ministry/Regional office at Bengaluru by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.	Being Complied with
vii.	A six-monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bengaluru regarding the implementation of the stipulated conditions.	Being complied with
viii.	Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.	Noted

ix.	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.	Noted
x.	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.	Noted
xi.	The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	Final approval and commencement of the project field activities is 13.02.2018
xii.	A copy of the clearance letter shall be marked to concern Panchayat/local NGO, if any from whom any suggestion/representation has been made received while processing the proposal.	Environmental Clearance published in TNEB website. Copies of the Environmental Clearance furnished to all the concerned local bodies.
xiii.	Tamil Nadu Pollution Control Board shall display a copy of the Clearance letter at the Regional Office, District Industries Center and Collector's Office/Tahsildar's office for 30 days.	Complied

Subject	:	Fresh EC & CRZ Clearance issued to Coal Jetty and Pipe Conveyor system for 2x660 MW Udangudi Super Critical Thermal Power Project by MoEF & CC vide EC Identification No: EC22A004TN156490 dt.03.08.2022.
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A. Specific Conditions:

S. No.	Conditions	Compliance status as on 30.09.2025
i.	No additional component for the project has been proposed by the PP. The EC is required since the PP could not able to complete the project within the validity of the EC.	Noted
ii.	All the Conditions stipulated in the Environmental and CRZ clearance letter F.No.11- 48/2009-IA.III, dated 06.06.2011 and 15 th May, 2018 shall remain unchanged and shall be implemented.	Noted
iii.	Construction activity shall be carried out strictly according to the provisions of the CRZ Notification, 2011. No construction works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Complied with
iv.	All the recommendations and conditions specified by the Tamil Nadu State Coastal Zone Management	Complied with

S. No.	Conditions	Compliance status as on 30.09.2025
	Authority (TNCZMA) vide letter dated 30.05.2022 shall be complied with.	
v.	Consent to Establish/Operate 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 Obtained
vi.	The project proponent shall comply with the air pollution mitigation measures as submitted.	Complied with
vii.	The project proponent shall take mangrove plantation in the project area, wherever Possible. Adequate budget shall be provided in the Environment Management plan for such mangroves development.	Will be complied with
viii.	The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.	Complied with
ix.	No underwater blasting is permitted.	No underwater blasting is involved
x.	Necessary approvals to be taken during implementation and commissioning from statutory bodies concerned.	Being Complied
xi.	Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring report.	Shoreline not disturbed due to activities of project
xii.	A continuous monitoring programme covering all the seasons on various aspects of the coastal and marine environs needs to be undertaken by a competent organization available in the State or by entrusting to the National Institutes/renowned Universities with rich experiences in marine science aspects. Monitoring should include sea weeds, sea grasses, mudflats, sand dunes, fisheries, mangroves and other marine biodiversity components as part of the management plan.	Action being taken
xiii.	Continuous online monitoring of air and water covering the total area shall be carried out and the compliance report of the same shall be submitted along with the 6 monthly compliance reports to the regional office of MoEF&CC.	Complied with
xiv.	Sediment concentration should be monitored fortnightly at source and disposal location of dredging while dredging.	No dredging is involved in this project

S. No.	Conditions	Compliance status as on 30.09.2025
xv.	Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life, particularly benthos. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.	Compiled with
xvi.	Necessary arrangements for the treatment of the effluents and solid wastes/ facilitation of reception facilities under MARPOL must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986. The provisions of Solid Waste Management Rules, 2016. E- Waste Management Rules, 2016, and Plastic Waste Management Rules, 2016 shall be complied with.	Compiled with
xvii.	Dredging shall not be carried out as PP submitted that there is no Dredging involved in the Current Proposal.	No dredging is involved in this project
xviii.	Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring report.	Shoreline is not disturbed due to project activities.
xix.	The schedule of implementation for the recommendations of the rapid risk assessment report, disaster management plan and safety guidelines shall be prepared and submitted to the Ministry within 3 months. All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented in time bound manner. The compliance to the recommendations as per schedule shall be submitted along with 6 monthly compliance reports to the regional office of MoEF&CC. Necessary arrangement for general safety and occupational health of people should be done in letter and spirit.	The schedule has been communicated to MoEF & CC/Government of India vide Letter No:245 dt 06.10.2022 and will be complied during operation.
xx.	As per the Ministry's Office Memorandum F. No. 22-65/2017-IA.III dated 30 th September, 2020, the project proponent shall abide by all the commitments made by them to address the concerns raised during the public consultation. The project proponent shall initiate the activities proposed by them, based on the commitment made in the public hearing, and incorporate in the Environmental Management Plan and submit to the Ministry. All other activities including pollution control, environmental protection and conservation, R&R, wildlife and forest conservation/protection measures including the NPV,	Being complied with

S. No.	Conditions	Compliance status as on 30.09.2025
	Compensatory Afforestation etc, either proposed by the project proponent based on the social impact assessment and R&R action plan carried out during the preparation of EIA report or prescribed by EAC, shall also be implemented and become part of EMP.	

STANDARD CONDITIONS:

I. Statutory compliance:

i.	Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011 and the State Coastal Zone Management Plan as drawn up by the State Government. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Complied with
ii.	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	TNPGCL being an energy provider and distributor, the required power will meet out from the proposed 2X660 MW Super Critical Thermal Power Plant.
iii.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Coast Guard, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.	No explosive is involved. Approval from fire department & Civil aviation department obtained. Coast guard is under process.

II. Air quality monitoring and preservation:

i.	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x in reference to SO ₂ and NO _x emissions) within and outside the project area at least at four locations, covering upwind and downwind directions.	Complied one number at Jetty Location Monitoring system are being provided in the Power Plant area also.
ii.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed emission standards.	Complied with
iii.	Shrouding shall be carried out in the work site enclosing the dock/proposed facility area. This will act as dust curtain as well achieving zero dust discharge	Since pipe conveyors are used for transporting of coal to power plant,

S. No.	Conditions	Compliance status as on 30.09.2025
	from the site. These curtain or shroud will be immensely effective in restricting disturbance from wind in affecting the dry dock operations, preventing waste dispersion, improving working conditions through provision of shade for the workers.	there won't be any dust emission in the project area
iv	Dust collectors shall be deployed in all areas where blasting (surface cleaning) and painting operations are to be carried out, supplemented by stacks for effective dispersion.	Complied with
v	The Vessels shall comply the emission norms prescribed from time to time.	Will be complied during operation
vi.	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.	Complied with
vii	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	The coal received from the jetty will be transported to the storage yard through pipe conveyors. Since 100% of the coal requirement will be fulfilled by the coal jetty, there is no need for road transportation activities for coal transportation, further, the traffic due to employee to the jetty will be minimum. Therefore, road traffic generation due to coal transportation is not applicable in this project development. The traffic study has already been conducted at 5 km radius of project and report has been submitted to MoEF.

III. Water quality monitoring and preservation:

i.	The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.	Complied with
ii.	Appropriate measures must be taken while undertaking digging activities to avoid any likely	No dredging is involved

S. No.	Conditions	Compliance status as on 30.09.2025
	degradation of water quality. Silt curtains shall be used to contain the spreading of suspended sediment during dredging within the dredging area.	
iii.	No ships docking at the proposed project site will discharge its on-board waste water untreated in to the estuary/ channel. All such wastewater load will be diverted to the proposed Effluent Treatment Plant of the project site.	Will be complied with during operation
iv.	Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.	Will be complied with during operation
v.	The project proponents will draw up and implement a plan for the management of temperature differences between intake waters and discharge waters.	Complied with
vi.	Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.	Complied with
vii.	Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.	Sea water drawn through intake pipes will be treated through desalination plant proposed in the power plant and the same will be used for use at Jetty area. Hence no fresh water is used from outside.
viii.	Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused for horticulture, flushing, backwash, HVAC purposes and dust suppression.	Complied with
ix	A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.	Discharging treatment water will not be disposed into public sewer/disposal drainage system. Treated water will be used for gardening purpose.
x.	No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.	No natural course of the river in the project area
xi.	All the erosion control measures shall be taken at water front facilities. Earth protection work shall be carried out to avoid erosion of soil from the shoreline/boundary line from the land area into the marine water body.	Will be complied

IV. Noise monitoring and prevention:

S. No.	Conditions	Compliance status as on 31.03.2025
i.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Complied with and report submitted to MoEF
ii.	Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipments.	Being complied with
iii.	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	Being complied with
iv.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Complied with

V. Energy Conservation measures:

i.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;	Solar power generation on roof of buildings is proposed in the Power plant area
ii.	Provide LED lights in offices and project areas.	

VI. Waste management:

i.	Dredged material shall be disposed safely in the designated areas.	No dredging is involved
ii.	Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring reports.	Shoreline is not disturbed due to project activities.
iii.	Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the	Complied with (STP provided)

S. No.	Conditions	Compliance status as on 31.03.2025
	Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.	
iv.	The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.	Will be complied with
v.	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.	Complied with
vi.	A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.	Will be complied with
vii.	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.	Complied with
viii.	Oil spill contingency plan shall be prepared and part of DMP to tackle emergencies. The equipment and recovery of oil from a spill would be assessed. Guidelines given in MARPOL and Shipping Acts for oil spill management would be followed. Mechanism for integration of terminals oil contingency plan with the overall area contingency plan under the coordination of Coast should be covered.	Action being taken

VII. Green Belt:

i.	Green belt shall be developed in area as provided in project details with a native tree species in accordance with CPCB guidelines.	Being complied with
ii.	Top soil shall be separately stored and used in the development of green belt.	Complied with

VIII. Marine Ecology:

i.	Dredging shall not be carried out during the fish breeding and spawning seasons.	No dredging is involved
ii.	Dredging, etc shall be carried out in the confined manner to reduce the impacts on marine environment.	No dredging is involved
iii.	The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.	No dredging is involved
iv.	While carrying out dredging, an independent monitoring shall be carried out through a Government	

S. No.	Conditions	Compliance status as on 31.03.2025
	Agency/Institute to assess the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.	No dredging is involved
v.	A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity and submitted to and implemented to the satisfaction of the State Biodiversity Board and the CRZ authority. The report shall be based on a study of the impact of the project activities on the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, subtidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standards survey methods and include underwater photography.	Complied with and report submitted to MoEF
vi.	Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components including all micro, macro and mega floral and faunal components of marine biodiversity.	Action is being taken
vii.	The project proponent shall ensure that water traffic does not impact the aquatic wildlife sanctuaries that fall along the stretch of the river.	Being complied with

IX. Public hearing and human health issues:

S.No.	Conditions	Compliance status as on 31.03.2025
i.	The work space shall be maintained as per international standards for occupational health and safety with provision of fresh air respirators, blowers, and fans to prevent any accumulation and inhalation of undesirable levels of pollutants including VOCs.	Complied with
ii.	Workers shall be strictly enforced to wear personal protective equipments like dust mask, ear muffs or ear plugs, whenever and wherever necessary/ required. Special visco-elastic gloves will be used by labour exposed to hazards from vibration.	Complied with

iii.	In case of repair of any old vessels, excessive care shall be taken while handling Asbestos & Freon gas. Besides, fully enclosed covering should be provided for the temporary storage of asbestos materials at site before disposal to CTSDf.	No such materials handled at the project site
iv.	Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/ accidents.	Complied with
v.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Will be complied
vi.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied
vii.	Occupational health surveillance of the workers shall be done on a regular basis.	Being complied

X. Environment Responsibility:

i.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Will be complied
ii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.	Presently one senior officer at the level of Assistant Executive Engineer is looking after the environmental related activities. On commissioning of the plant, a full pledged Environmental cell will be formed.

iii.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Will be complied
iv.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Will be complied

XI. Miscellaneous:

i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Advertised. Environment Clearance published in TNEB website.
S.No.	Conditions	Compliance status as on 31.03.2025
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Copies of the Environment Clearance furnished to all the concerned local bodies.
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Being Complied
iv.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Being complied

v.	The project proponent shall 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.	Will be followed after operation of Power Plant
vi.	The criteria pollutant levels namely; PM _{2.5} , PM ₁₀ , SO ₂ , NO _x (ambient levels) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being complied and commencement of the project field activities is 13.02.2018
vii.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Final approval and commencement of the project field activities is 13.02.2018
viii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Complied with
ix	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Complied with
x.	No further expansion or modifications in the project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted
xi.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
xii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted

xiii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
xiv.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted and will be complied
xv.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Being complied with
xvi.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

Subject: -TNPCB ; Consent for Establishment M/s. UDANGUDI POWER CORPORATION LIMITED (UDANGUDI SUPER CRITICAL THERMAL POWER PROJECT) Udangudi, Tiruchendur Talk, Thoothukudi District – for the establishment or take steps to establish the industry under section 25 of the WATER (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 53 of 1988)		
	<u>SPECIAL CONDITIONS</u>	
Sl No.	Conditions	Compliance status as on 30.09.2025
1	This consent to establish is valid for establishing the facility for the manufacture of products/by products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the product /byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.	Noted
2	This consent to establish is valid for establishing the facility with the below mentioned outlets for the discharge of sewage /trade effluent. Any change in the outlets has to be brought to the notice of the Board and fresh consent has to be obtained if necessary	Noted

3	The unit shall provide Sewage Treatment Plant and /or Effluent Treatment Plant as indicated below.	Complied with STP
4	The unit shall comply with the conditions stipulated by the Ministry of Environment and Forest, GOI in the Environmental Clearance issued to the unit Dt 14.10.2013.	Will be complied with
5	The unit shall comply with the conditions stipulated by the Ministry of Environment and Forest, GOI in the Clearance issued to the unit Dt 06.06.2011 under the CRZ Notification 2011.	Complied with
6	The unit shall ensure that all the construction activities proposed to be carried out for the thermal power plant project shall comply with provisions contained in the CRZ Notification 2011.	Complied with
7	The unit shall not carry out dredging activity for jetty project as reported.	No dredging is involved
8	The ship un loader shall be provided with spill plate to collect the coal dust dropping in to the sea during unloading of coal.	Complied with
9	The collection hopper of the un loader, and berth conveyers shall be provided with water sprinklers to control the coal dust.	Complied with
10	The unit shall transport the coal from the berth to the proposed site through pipe conveyer's system and it shall not create any hindrance to the local public.	Complied with
11	The unit shall provide adequate measures to collect the spillage of coal in the coal conveyer line and the same shall be used in the plant.	Since Pipe conveyors are used for transport of coal, there will not be spillage of coal.
12	The unit shall provide closed covers and adequate dust collection system for all the junction towers to control the coal dust.	Complied with
13	The unit shall store the coal in, a completely RCC paved area, with the provision of leachate collection system.	Being complied
14	The unit shall collect the leachate in a collection tank and to reuse the same for water sprinkling for dust suppression	Being complied with
15	The unit shall provide compound wall all around the unit so as to avoid carry-over of coal fines to the adjacent areas.	Being complied
16	The unit shall ensure that the sea water intake and out fall facility shall not cause any hindrance to the local fishing activity and movements of boats etc.	Complied with
17	The unit shall discharge the RO reject along with the cooling tower blow down, in to the sea at a distance of 1.06 km from the shore as reported.	Complied with as per MoEF approval (03.08.2022)
18	The unit shall, provide adequate area of sludge drying beds for the separation of sludge during pretreatment process.	Will be complied with

19	The discharge ports and diffusers of the marine disposal facility shall be design to withstand the extreme current and wave action observed during critical period.	Complied with
20	The unit shall provide sewage treatment plant for the treatment of sewage so as to treat and to satisfy the standard prescribed by the TNPC Board.	Complied with
21	The unit shall provide effluent treatment plant for the treatment of trade effluent so as to treat and to satisfy the standards prescribed by the TNPC Board.	Will be complied with
22	The unit shall provide ground. monitoring well in and around the project site and to collect the water samples periodically and to analyze the same in the TNPCB Laboratory every 3 months.	Will be complied with
23	Continuous monitoring of the marine environment both in construction and operational phase shall be under taken by an institute like Faculty of Marine Biology, Annamalai university and to furnish a report to the Board every 3 months.	Action being taken
24	The unit shall not use ground water for their process under any circumstances.	Desalination water will be used for Jetty purpose
25	The unit shall utilize the treated effluent for water sprinkling for coal dust suppression.	Will be complied with
26	The unit shall provide adequate capacity of fly ash storage silo with pneumatic vacuum conveying system for the transfer of fly ash from the ESP.	Being complied with
27	The unit shall store the bottom ash only in the storage silo and to dispose of further beneficial use.	Will be complied with
28	The unit shall provide bitumen top internal roads to mitigate the fugitive emission.	Concrete road provided
29	The unit shall provide ash dyke with HOPE/LOPE lining of adequate capacity with necessary infrastructure facility to recycle the ash pond water.	Being complied
30	. The unit shall use the ash dykes only in emergencies. The bunds of the ash dyke shall be made with sufficient strength so as to avoid breaching of bund at any point of time. The unit shall provide green belt all around the ash dyke to control dust emission from the pond.	Being complied
31	The unit shall provide adequate air pollution control measures to contain the • dust during the loading of fly ash in the trucks.	Will be complied with
32	The Sulphur and ash content of the coal to be used for the proposed power plant shall not exceed 0.6 & 8%.	Will be complied with
33	The unit shall provide additional storage facility for the auxiliary fuel such as LOO, LSHS, HFO if any in consultation with the department of explosives and	Will be complied with

	Disaster Management plan shall be prepared and furnished to the Board.	
34	The unit shall comply with the Fly Ash Notification 1999 and as amended.	Will be complied with
35	The unit shall ensure that the unit's activity shall not obstruct the free flow of water in the adjacent canals both in construction and operational phase of the power plant.	Will be complied with
36	The nature of drainage of the terrain should not be affected by filling low laying areas.	Complied with
37	The unit's activity shall not affect the marine eco system both in construction and operational phase of the plant.	Will be complied with
38	Coastline stabilization in and around the power plant facility shall by suitable methods.	Will be complied with
39	A well designed Rain water harvesting system shall be adopted so as to recharge ground water.	Complied with
40	The unit shall have the Environmental Management Cell with full-fledged laboratory facilities and qualified trained staff with environmental policy for regular monitoring of stack emission and ambient air quality and implementation of environmental management system and to preserve the ecology of that locality.	Presently One senior officer at the level of Assistant Executive Engineer is looking after the environmental related activities. On commissioning of the plant, a full pledged Environmental cell will be formed.
41	The unit shall develop green belt consists of 3 tier plantations around the premises for adequate width with native species having thick canopy cover at the rate of 400 trees per hectare in consultation with local DFO.	Being complied with
<u>CONSENT ORDER NO.2102231473295, DT.25.03.21</u> <u>PROCEEDINGS NO.T4/TNPCB/F.0495TTN/RL/TTN/W/2021, DT.25.03.21</u>		
1	The unit shall comply with conditions stipulated in the EC obtained from MOEF vide letter No . J-13012/19/2008-1A.II (T), Dt.14.10.2013 and extension of EC obtained vide letter No. J-13012/19/2008-1A.II (T), Dt.25.09.2020.	Will be complied with
2	The unit shall comply with conditions stipulated in the CTE issued Vide Bd. Proc. No. T4/F.6340/TNPCB/RL/TTN/W&A/2013, Dt.10.03.2014 and CTE extension issued vide Bd proc.No. T7/TNPCB/F.0495/TTN/W&A/2016 Dt. 29.09.2016	Will be complied with
3	The unit shall comply with MOEF & CC notification GSR 02 (F) dt.2.1.2014 as amended regarding use of raw or blended ofr beneficiated/ washed coal with ash content not exceeding 34% as applicable.	Will be complied with

4	The unit shall provide adequate capacity STP as proposed to treat the sewage generated so as to meet the quality of the sewage to the disposal standards prescribed by the board	Complied with
5	The unit shall provide adequate capacity of STP for the treatment of trade effluent generated from the process so as to meet the quality of the effluent to the disposal standards prescribed by the board	Complied with
6	The industry shall install online continuous effluent quality monitoring system for Parameter pH, TSS and Temperature at outlet of ETP discharge and connect the same to water quality watch TNPCB before seeking consent to operate	Will be complied with
7	Rain water harvesting in and around the plants area be taken p to recharge of ground water to improve the ground water table in that area	Will be complied with
8	The unit shall develop green belt in the area of 33% of the total project with indigenous native tree species in consultation with the local forest department. The green belt shall inter-alia cover an entire periphery of the plant.	Will be complied with
9	At the effluent release point, maximum temperature of the discharge water shall not be more than 50C and salinity shall not exceed 50 ppt with respect to that of the ambient sea water.	Will be complied with
10	The unit shall apply and obtain authorization under the hazards and other waste (management and Transboundary movement) Rules 2016	Will be complied with
11	The unit shall ensure that the issue of CTE revised with extension of validity for consent for establish for proposed thermal power plant project shall not be construed as consent for operate and the unit shall not commission the proposed thermal power plant project without prior consent to operate from the board	Will be complied with
	<u>GENERAL CONDITIONS</u>	
1	The above consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate,	Noted will be complied
2	The industry shall make a request for grant of consent to operate at least thirty days before the commissioning of trial production.	Noted will be complied
3	Tile unit shall construct compound wall around the boundary of the unit	Complied

4	Samples of water from the wells or any other nearby water sources have to be taken by the unit and get them analyzed by the Board Laboratory to develop base line data to assess the existing water quality.	Complied
5	The unit shall provide an alternate power source along with separate energy meter for the Effluent Treatment Plant to ensure continuous operation of the Effluent Treatment Plant	Will be complied with
6	The consent does not authorize or approve the construction of any physical structures or facilities, or the undertaking of army work in any natural watercourse.	Noted
7	Any change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act	Noted
8	The unit has to comply with the provisions of public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (if applicable)	Will be complied with
9	Consent to operate will not be issued unless the unit complies with all the conditions of consent to establish.	Noted
10	In case there is any change in the management, the unit shall inform the change with relevant documents immediately.	Noted

CONSENT ORDER NO.2102231473295, DT.25.03.21
PROCEEDINGS NO.T4/TNPCB/F.0495TTN/RL/TTN/W/2021, DT.25.03.21

1	The above consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate,	Noted
2	The industry shall make a request for grant of consent to operate at least thirty days before the commissioning of trial production.	Noted
3	Any change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act	Noted
4	The unit has to comply with the provisions of public Liability Insurance Act, 1991 to provide immediate relief in the	Will be complied with

	event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (if applicable)	
5	Consent to operate will not be issued unless the unit complies with all the conditions of consent to establish.	Noted
6	The unit shall adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission	Complied with
7	The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movement	Will be complied
8	The unit shall develop green belt of adequate width around the premises	Being complied with
9	In case there is any change in the management, the unit shall inform the change with relevant documents immediately.	Noted

Subject: -TNPCB; Consent for Establishment M/s. UDANGUDI POWER CORPORATION LIMITED (UDANGUDI SUPER CRITICAL THERMAL POWER PROJECT) Udangudi,Thiruchendur Talk, Thoothukudi District – for the establishment or take steps to establish the industry under section 21 of the AIR (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981)

	<u>SPECIAL CONDITIONS</u>	
1	This consent to establish is valid for establishing the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.	Noted
2	This consent to establish is valid for establishing the facility with the below mentioned emission/noise sources along with the contral measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent has to be obtained if necessary.	Noted
3	The unit shall comply with the conditions stipulated by the Ministry of Environment and Forest, GOI in the Environmental Clearance issued to the unit Ot 14.10.2013.	Will be complied with
4	The unit shall comply with the conditions stipulated by the Ministry of Environment and Forest, GOI in the Clearance issued to the unit Ot 06.06.2011 under the-CRZ Notification 2011.	Complied with
5	The unit shall ensure that all the construction activities proposed to be carried out for the thermal power plant project shall comply with provisions contained in the CRZ Notification 2011.	Complied with
6	The unit shall not carry out dredging activity for jetty project as reported.	No dredging is involved
7	The ship unloader shall be provided with spill plate to collect the coal dust dropping in to the sea during unloading of coal.	Complied with

8	The collection hopper of the unloader, and berth conveyers shall be provided with water sprinklers to control the coal dust.	Complied with
9	The unit shall transport the coal from the berth to the proposed site through pipe conveyer's system and it shall not create any hindrance to the local public.	Complied with
10	The unit shall provide adequate measures to collect the spillage of coal in the coal conveyer line and the same shall be used in the plant.	Since Pipe conveyors are used for transport of coal, there will not be spillage of coal.
11	The unit shall provide closed covers and adequate dust collection system for, all the junction towers to control the coal dust.	Complied with
12	The unit shall store the coal in a completely RCC paved area, with the provision of leachate collection system.	Being complied with
13	The unit shall collect the leachate in a collection tank and to reuse the same for water sprinkling for dust suppression	Being complied with
14	The coal storage yard is provided with wind barriers of sufficient height. The height of the coal piles shall be lower than that of the wind barrier.	Being complied with
15	The unit shall provide adequate dust suppression system arrangements such as automatic water spraying and keeping the surface of the stock pile wet at all times to arrest the fugitive emissions in the coal stock pile area	Will be complied with
16	The stacker and reclaimer shall be provided with adequate dust suppression system.	Will be complied with
17	The coal crusher shall be covered with metal enclosure and provided with suitable dust suppression and bag filter for the control of air pollution.	Being complied with
18	The unit shall provide compound wall all around the unit so as to avoid carryover of coal fines to the adjacent areas.	Being complied with
19	The unit shall provide sewage treatment plant for the treatment of sewage so as to treat and to satisfy the standards prescribed by the TNPC Board.	Complied with
20	Continuous monitoring of the marine environment both in construction and operational phase shall be under taken by an institute like Faculty of Marine Biology, Annamalai university and to furnish a report to the Board every 3 months.	Action being taken
21	The unit shall utilize the treated effluent for water sprinkling for coal dust. suppression.	Will be complied with
22	The unit shall provide adequate capacity of fly ash storage silo with pneumatic vacuum conveying system for the transfer of fly ash from the ESP	Will be complied with
23	The unit shall store the bottom ash only in the storage silo and to dispose of further beneficial use.	Will be complied with
24	The unit shall provide bitumen top internal roads to mitigate the fugitive emission.	Will be complied with

25	The unit shall provide ash dyke with HOPE/LOPE lining of adequate capacity with necessary infrastructure facility to recycle the ash pond water.	Being complied with
26	The unit shall use the ash dykes only in emergencies. The bunds of the ash dyke shall be, made with sufficient strength so as to avoid breaching of bund at any point of time. The unit shall provide green belt all around the ash dyke to control dust emission from the pond.	Being complied with
27	The unit shall provide adequate air pollution control measures to obtain the dust during the loading of fly ash in the trucks.	Being complied with
28	The Sulphur and ash content of the coal to be used for 'the proposed power plant shall not exceed 0.6. & 8%	Will be complied with
29	The unit shall provide high efficiency electro static precipitator so as to achieve the particulate emission level below 50mg/Nm ³ prescribed by the Board.	Complied with
30	The unit shall provide stack of 275 m height as to bring the quality of ambient air to satisfy the standards prescribed by the Board.	Complied with
31	The unit shall provide low NO _x burners for the control of NO _x emission and ensure staged Combustion to contain the level of NO _x to satisfy the standards prescribed by the board.	Will be complied with
32	The unit shall provide additional storage facility for the auxiliary fuel such as LOO, LSHS, HFO if any in consultation with the department of explosives and Disaster Management plan shall be prepared and furnished to the • Board.	Will be complied with
33	The unit shall provide online continuous stack monitors with data uploading facility for the parameters SPM, SO ₂ , NO _x and CO for the boiler emission and shall connect it to the Care Air Centre of the TNPCB.	Will be complied with
34	The unit shall comply with the Fly Ash Notification 1999 and as amended.	Will be complied with
35	The unit shall ensure that the unit's activity shall not obstruct the free flow of water in the adjacent canals both in construction and operational phase of the power plant.	Will be complied with
36	The unit's activity shall not affect the marine eco system both in construction and operational phase of the plant	Being complied with
37	The unit shall provide 6 number of permanent AAQ monitoring station covering all direction of the unit and to furnish the report to the Board.	Will be complied with
38	Interlocking facility shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	Will be complied with
39	The unit shall provide suitable acoustic measures including special foundation for all the noise generating machines so as to comply with ambient noise level standards.	Will be complied with
40	The unit shall ensure that the internal roads shall be paved with concrete/bitumen and provided with water sprinkling arrangement to arrest dust, and the speed of vehicles less	Complied with

	than 10 km/hr so as to ensure ambient air quality standards.	
41	Coastline stabilization in and around the power plant facility shall by suitable methods.	Will be complied with
42	The unit shall have the Environmental Management Cell with full-fledged laboratory facilities and qualified trained staff with environmental policy for regular monitoring of stack remission and ambient air quality and implementation of environmental manager rent system and to preserve the ecology of that locality.	Presently one senior officer at the level of Assistant Executive Engineer is looking after the environmental related activities. On commissioning of the plant, a full pledged Environmental cell will be formed.
43	The unit shall develop green belt consists of 3 tier plantations around the premises for adequate width with native species having thick canopy cover at the rate of 400 trees per hectare in consultation with local DFO.	Being complied with
<u>CONSENT ORDER NO.2102231473295, DT.25.03.21</u> <u>PROCEEDINGS NO.T4/TNPCB/F.0495TTN/RL/TTN/A/2021, DT.25.03.21</u>		
1	The unit shall comply with conditions stipulated in the EC obtained from MOEF vide letter No . J-13012/19/2008-1A.II (T), Dt.14.10.2013 and extension of EC obtained vide letter No. J-13012/19/2008-1A.II (T), Dt.25.09.2020.	Will be complied with
2	The unit shall comply with conditions stipulated in the CTE issued Vide Bd. Proc. No. T4/F.6340/TNPCB/RL/TTN/W&A/2013, Dt.10.03.2014 and CTE extension issued vide Bd proc.No. T7/TNPCB/F.0495/TTN/W&A/2016 Dt. 29.09.2016	Will be complied with
3	The unit shall provide adequate APC measures in addition to the ESP for the boiler to meet the emission standards prescribed as per MoEF & CC notification dt.07.12.2015 for thermal power plants to be installed after 1 st Jan 2017.	Will be complied with
4	The unit shall install flue Gas Desulphurization(FGD) system based on lime/Ammonia dosing to capture sulphar in the flue gases to meet the SO2 emissions standard 100 mg/Nm3	Will be complied with
5	The unit shall install either selective Catalytic Reduction (SCR system) or the selective non-catalytic reduction (SNCR) system or low NOX burners with over fire air (OFA) system to achieve NOX emission standard of 100 mg/Nm3	Will be complied with
6	The unit shall install High efficiency ESP's to ensure the particulate matter (PM) emission to meet the stipulated standard of 30 mg/Nm3	Complied with

7	The unit shall provide of prescribed height 275 m with continuous online emission monitoring instruments for SOX, NOx and particulate matter which shall be connected with TNPCB CAC and CPCB server	Complied with
8	The unit shall install adequate dust extraction/suppression system in coal handling, ash handling areas and material transfer points to control fugitive emissions.	Being complied with
9	The unit shall install air pollution control measures (Dust extraction system/Dust suppression system) at all the dust generating sources including sufficient water sprinkler arrangements at various locations Viz roads , excavation site, crusher plant, transfer point, loading and unloading areas Etc.,	Will be complied with
10	The unit shall comply with the emission standards prescribed for Thermal power plant as per Ministry's Notification S.O.3305 (dt.7.12.2015, G.S.R.593 (E) dt.28.6.2018 and as amended	Will be complied with
11	The unit shall comply with MoEF & CC notification on Fly Ash Utilization S.O 763 (E) dt.11.09.1999, S.O. 979 (E) dt.27.08.2003, S.O. 2804 (E) dt.3.11.2009, S.O. 254 (E) dt.25.01.2016 as amended.	Will be complied with
12	The industry shall install online continues stack emission monitoring system for parameters PM, Sox, & NOx in the stack attached to boiler and connect the same to care air center , TNPCB before seeking consent to operate	Will be complied with
13	The unit shall set up Continues Ambient Air Quality Monitoring System (CAAQMS) to monitor common/ criteria pollutants from the flue gases such as PM10,PM2.5,SO2,NOx within/outside the plant area at least minimum four locations covering upwind and downwind directions at an angle of 120o each which shall be connected with TNPCB CAC and CPCB server	Being complied with
14	The unit shall provide adequate number of dry ash storage system through pneumatic conveying technology (silos) with APC measures for storing fly ash and bottom ash so as to adhere to the provisions of fly ash notification Dt.14.09.1999 as amended	Will be complied with
15	The unit shall ensure that the issue of CTE revised with extension of validity for consent for establish for proposed thermal power plant project shall not be construed as consent for operate and the unit shall not commission the proposed thermal power plant project without prior consent to operate from the board	Will be complied with

S.No	<u>GENERAL CONDITIONS</u>	
1	The above consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the consent to operate.	Noted
2	The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.	Noted
3	Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.	Will be complied
4	The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable). Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.	Will be complied
5	Consent to operate will not be issued unless the unit complies the conditions of consent to establish.	Noted
6	The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.	Complied with
7	The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.	Being complied with
8	The unit shall develop green belt of adequate width around the premises.	Being complied with
9	In case there is any change in the management, the unit shall inform the change with relevant documents immediately.	Noted


 Chief Engineer.,
 Udangudi STPP-I/TNPGCL,
 Udangudi- 628 206