



सत्यमेव जयते

File No.: J-13012/14/2012-IA.II(T)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Dated 08/03/2025



To,

Sh. Gnanapalan Packiadhas
M/s Tamil Nadu Generation & Distribution Corporation Ltd (TANGEDCO)
144, Anna Salai, Chennai, Chennai, Tamil Nadu, Near LIC, Anna Salai, 600002
E-mail: cepr@tnebnet.org

Subject: 1x800 MW (Stage-III), North Chennai TPP and CRZ Clearance for foreshore facilities by M/s. Tamil Nadu Generation & Distribution Corporation Ltd. (TANGEDCO) at NCTPS Complex, Villages Ennur & Puzhuvakkam, Taluk Ponneri, District Thiruvallur, Tamil Nadu – Grant of Amendment in EC & CRZ regarding change of coal source from 100% Imported coal to use a mix of domestic coal as well as Imported coal in ratio of 50%-50% proportion – regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/TN/THE/475354/2024 dated 14/06/2024 and subsequent reply to the additional information uploaded on Parivesh on 19/10/2024 for grant of amendment in prior Environmental Clearance (EC) accorded by the Ministry vide letter no. J-13012/14/2012-IA. II (T) dated 20th Jan. 2016, under the provisions of the EIA Notification, 2006 for the project mentioned above.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24A0601TN5388860A
(ii) File No.	J-13012/14/2012-IA.II(T)
(iii) Clearance Type	Amendment in EC
(iv) Category	A
(v) Schedule No./ Project Activity	1(d) Thermal Power Plants
(vi) Sector	Thermal Projects
(vii) Name of Project	Amendment of Environmental Clearance for 1X800 MW (Stage-III), North Chennai TPP and CRZ Clearance for foreshore facilities at Villages Ennur & Puzhuvakkam, Taluk Ponneri, District Thiruvallur, Tamil Nadu by M/s. Tamil Nadu Generation & Distribution Corporation Ltd.

(viii) Location of Project (District, State)	(TANGEDCO). THIRUVALLUR, TAMIL NADU
(ix) Issuing Authority	MoEF&CC
(x) EC Date	20/01/2016
(xi) Applicability of General Conditions	NO
(xiii) Status of implementation of the project	

3. M/s Tamil Nadu Generation & Distribution Corporation Ltd. (TANGEDCO) has made an online application vide proposal no. IA/TN/THE/475354/2024 dated 14.06.2024 along with the application in prescribed format - Form 4 (CAF, Form – I Part A, B and C) and sought for amendment in Environment Clearance accorded by the Ministry vide F.No. J-13012/14/2012-IA. II (T) dated 20th Jan. 2016 for the project titled “1x800 MW (Stage-III), North Chennai TPP and CRZ Clearance for foreshore facilities by M/s. Tamil Nadu Generation & Distribution Corporation Ltd. (TANGEDCO) at NCTPS Complex, Villages Ennur & Puzhudivakkam, Taluk Ponneri, District Thiruvallur, Tamil Nadu”.

4. The instant proposal was considered during the 11th meeting of the EAC (Thermal) held during 27-28th June 2024 and further reconsidered in its 18th meeting held on 24/01/2025. The project/activity is covered under category A of item 1(d) ‘Thermal Power Plants’ of the Schedule to the Environmental Impact Assessment (EIA) Notification, 2006, as amended as the power generation capacity of the proposed expansion is beyond the threshold capacity of 500MW i.e. 800 MW and requires appraisal at Central level by the sectoral EAC in the Ministry. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.

5. The amendment sought in the EC&CRZ clearance dated 20/01/2016 is detailed as below:

Para of EC issued by MoEF&CC	Details as per the EC	To be revised/ read as	Justification/ reasons
Point no. 3	The Imported Coal requirement of 2.09 MTPA will be sourced through MMTC, New Delhi.	The coal requirement is 2.69 MTPA in the ratio of Imported Coal 1.04 MTPA and domestic Coal 1.65 MTPA. The Imported and domestic coal will be sourced from MMTC, New Delhi and Kalinga block of Talcher, Mahanadhi, IB Valley Coal Fields, respectively.	TANGEDCO is planning to change from use of 100% Imported coal to use a mix of domestic coal and Imported coal in the ratio of 50%-50% proportion, which is in compliance of MoEF&CC OM dated 6 th Dec. 2023 and previous OM dated 11 th Nov. 2020 regarding Amendment in Environmental Clearance for change in coal source by Thermal Power Plants.

6. Protected Area: The PP reported that there are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. Kosasthalaiyar River is flowing at 218.8 m, Buckingham Canal is at 42.7 m and Boat Canal is at 41.45 m from the project site. No Schedule-I species sighted in the study area.

7. Ash Pond area: The existing ash pond of NCTPS complex located 5Kms away from the project site will be utilised for dumping of bottom ash from this proposed power plant at the time of emergency only, since, this power plant is proposed with the 100% disposal of bottom ash also.

8. Water Requirement: The potable water required for the construction of project will be met from Chennai Metro Water Supply & Sewerage Board (CMWSSB) for about 2 MGD (9092 m3). For operation purpose, potable water will be produced from sea water by treating in RO based desalination plant, proposed within the power plant.

9. Details of Coal Linkage: Environmental Clearance for the project was issued based on the use of Imported coal of 2.09 MTPA which was planned to source from MMTC, New Delhi. FSA/MoU for imported coal was signed between MMTC Limited and TANGEDCO on 25th May, 2015 for supply of 2.51 MTPA of coal for the project. Now, TANGEDCO is planning to change from use of 100% imported coal to use of domestic coal as well as Imported coal in the equal proportion. Domestic coal will be made available from the Kalinga block of Talcher, Mahanadhi, IB Valley Coal Fields.

Total 2.69 MTPA of mixed coal will be required for the project.

10. Details of CCR: Details of Certified compliance report submitted by RO, MoEF&CC: Certified Copy of EC Compliance is secured Vide Diary No 046 dated 13.01.2023.

11. Ash management details:

S.No.	Information sought	Details
i.	Concrete figures about the quantum of additional fly ash likely to be generated per year over and above that already approved under the previous EC	<p>A) Ash content for 100% Foreign coal - 12% Ash quantity -806.9 TPD Already Proposed Silo - 3nos (2 No for fly ash , 1 No for bottom ash)</p> <p>B) Ash content for Foreign (50%) & domestic coal (50%) - 25.5% Total Ash quantity generated- 2209.32 TPD Excess Ash generated- 1402.42 TPD</p>
ii.	Ash management plan	<p>The existing ash handling system could cater to the enhanced ash generation quantity as detailed below.</p> <p>A. Ash handling Now constructed Silos- 3 Nos (2 Nos for fly ash , 1 No for bottom ash) i) Fly Ash Silo capacity- 2 x 2520=5040 MT Fly ash evacuation is through vacuum system from ESP hopper and will be stored in fly ash silos of capacity (2x2520=5040MT) which will be having capacity for 24 hours storage each. ii) Bottom Ash Silo capacity-1 x 1800=1800 MT Bottom ash evacuation is dry type initially through closed conveyor system up to intermediate silo and from there up to bottom ash silo of capacity (1x1800=1800 MT) is by pipe line.</p> <p>B. Ash utilization The ash will be sold to cement / brick industries through E-auction as being followed in NCTPS Stage 1&2. The fly ash will be loaded in closed trucks / bulkers through telescopic spout assembly of Fly ash Silo and transported to cement/Brick companies. The bottom ash will be conditioned by quenching with water (18m³/hour) and will be loaded in truck and covered with tarpaulin for transporting. Hence, 100% ash Utilization will be achieved as per MOEF &CC Notification 31.12.2021.</p> <p>C. Ash disposal in case of emergency In case of emergency, both fly and bottom ash will be made as slurry and transported to existing NCTPS ash dyke through existing ash pipelines of NCTPS. Water required for making slurry will be around 8082 m³/day , which will be sourced from CT blow down pump and guard pond water (reject sea water). 12 Nos piezometric wells are already available in and around the existing ash dyke of NCTPS. It is assured that the ash slurry pipelines will be monitored to avoid any leakages to protect the nearby area.</p>

12. The Ennore project site of M/s. TANGEDCO inter-alia project site of instant proposal under consideration was inspected by the sub-committee of EAC during 13-14th March, 2024. The recommendations of the site visit report of the sub-committee of EAC relevant to the proposal under consideration and its compliance status is furnished as below:

S.No.	Recommendations of the sub-committee of EAC	Compliance by the project proponent
i.	The EIA report including carrying capacity of existing ash	The EIA report, including details of the carrying capacity of the existing ash pond, has been submitted to MOEF&CC.

S.No.	Recommendations of the sub-committee of EAC	Compliance by the project proponent
	pond along with remedial measures to avoid pollution wherein ash from Stage I and Stage II is being disposed and emergency ash disposal of Stage III is proposed shall be prepared.	The report was prepared by M/s Cholamandalam MS Risk Services Ltd, Chennai. The pipelines will transfer ash slurry from Stage III to the designated ash dyke pond of NCTPS. The ash dyke pond covers ~133 hectares (328 acres), representing a permanent land footprint. The pond falls within the NCTPS land area and is already used for ash disposal by Stage I & II plants.
ii.	Design report of the ash slurry pipeline corridor for the Stage III NCTPS power plant and exploring the feasibility of using the existing ash slurry pipelines of Stage I and Stage II NCTPS plant for the proposed Stage III shall be prepared by NCTPS.	The design report for the ash slurry pipeline of NCTPP Stage III is submitted. It has been decided to use the existing ash slurry pipelines of NCTPS Stage I & II instead of constructing new pipelines. This decision was made to minimize environmental impact. NCTPP Stage III will dispose of ash slurry only in emergencies, as both fly ash and bottom ash are disposed of in dry form.
iii.	Adequacy report from Competent Authority on existing ash dyke capacity to accommodate the proposed ash slurry from stage III NCTPS shall be submitted.	The existing ash pond of NCTPS is sufficient as wet ash will be disposed of promptly to brick industries and other works. Details of the ash pond: Area: 328 acres. (133 Ha) Capacity: 57.5 lakh m ³ (at a height of 5m). Current stock: 29 lakh m ³ . Remaining capacity: 28.5 lakh m ³ .

13. Court cases:

A. Original Application No.122 of 2021 (SZ) with Original Application No.162 of 2021 (SZ)

The Hon'ble NGT(SZ) in Original Application No.122 of 2021 (SZ) with Original Application No.162 of 2021 (SZ) vide its judgement dated 31/01/2022 directed the proponent not to proceed with the work of laying the pipeline through the CRZ zone and also in the other area in violation of the Environment Clearance and CRZ Clearance granted to them in 20/01/2016, without getting necessary further clearances in this respect by filing afresh application in accordance with law. Besides, the Hon'ble NGT also imposed a compensation of Rs. 50 lakhs which has been paid by them to TNPCB on 30/3/2022. In compliance to the said judgment, proponent filed amendment proposal bearing No: IA/TN/THE/442379/2023 was submitted to the Ministry seeking for amendment in the EC & CRZ dated 20/01/2016 for the ash slurry pipeline for stage III project. The proposal was considered by the EAC in its meeting held on 04/09/2023 and 31/10/2023 wherein the proposal was deferred and EAC recommended for site visit by a sub-committee. During the site visit, it was informed by M/s. TANGEDCO that they have decided to utilize the existing spare lines of NCTPS Stage – I & II to reduce the environment impact. In view of this, PP informed the EAC that no new ash slurry pipelines are envisaged for the stage III project and the proposal no. IA/TN/THE/442379/2023 has already been withdrawn by the project proponent.

B. OA No 8 of 2016 titled as R.Ravimaran (Died) & Ors. vs Union of India & Ors. tagged with OA No 198 of 2016 titled as Meenava Thanthai K.R. Selvaraj Kumar vs The Chief Secretary Government of Tamil Nadu

An OA No 8 of 2016 titled as R.Ravimaran (Died) & Ors. vs Union of India & Ors. tagged with OA No 198 of 2016 titled as Meenava Thanthai K.R. Selvaraj Kumar vs The Chief Secretary Government of Tamil Nadu, Chennai & Ors. was filed before the Hon'ble Tribunal (SZ), Chennai regarding illegal dumping of ash slurry and violation of conditions of Environmental Clearance and CRZ Clearance granted by dumping fly ash and draining the wastewater into the Buckingham Canal and Kosasthalaiyar River respectively. In this regard, the Hon'ble Tribunal vide its judgment dated 05/07/2022 passed the following directions for compliance by the PP:

i. To carry on their activities strictly in accordance with law and complying with the conditions imposed in the

Environmental Clearance and the Consent granted by the State Pollution Control Board.

ii. To replace the old ash slurry carrying pipes as undertaken by them within the time frame fixed and also take all necessary precautions of providing necessary sensor system to detect the leak immediately and also the mechanism by which production and pumping of ash slurry through the damaged pipeline can be stopped immediately, so that further pumping can be avoided so as to minimize the leak if at all it happens in future.

iii. To pay the compensation already assessed by the State Pollution Control Board on various occasions for the violations noticed by them and also compensation directed to be paid by this Tribunal in other related connected matters viz., Original Application Nos.122 of 2021 (SZ) and 162 of 2021 (SZ) which were already disposed of this Tribunal by giving certain directions.

iv. To pay environmental compensation which is likely to be assessed on the basis of the study to be conducted by the agency which is going to conduct study for remediation process, apart from the compensation already imposed by various proceedings of the Tamil Nadu Pollution Control Board and directed to be paid by this Tribunal.

v. To bear the expenses for conducting the study through the agency to be identified for preparation of DPR and also the expenses for remediation.

vi. To undertake the remediation process and complete the same at the earliest possible time, as delay in implementation will result in further damage to the environment.

vii. To carry out the recommendations made by the Joint Expert Committee regarding creating green cover, including plantation of mangroves and other species suggested which are conducive to environment and that will not affect the riverine and coastal zone ecology.

viii. To take immediate steps to remove the fly ash already deposited in that area due to the breach of fly ash slurry carrying pipes without delay and after removal of the same, soil analysis will have to be conducted by the CPCB and SPCB and if further remediation will have to be conducted or further steps are required for removal of further fly ash deposit found in that area, then that also will have to be carried out by the PP.

On the above, the PP has informed that the compliance of the aforesaid order is under process.

Deliberations of the Committee

14. The EAC noted the following:

i. The EAC noted that the proposal is for the grant of amendment in Environmental Clearance to the project 1X800 MW (Stage-III), North Chennai TPP and CRZ Clearance for foreshore facilities at Villages Ennur & Puzhudivakkam, Taluk Ponneri, District Thiruvallur, Tamil Nadu by M/s. Tamil Nadu Generation & Distribution Corporation Ltd. (TANGEDCO).

ii. The committee noted that the Environmental Clearance (EC) and Coastal Regulation Zone (CRZ) Clearance were accorded by MoEF&CC Vide File No. J-13012/14/2012-IA. II (T) dated 20th January, 2016 with use of Imported coal of 2.09 MTPA sourced through MMTC, New Delhi. The FSA/MoU for Imported coal was signed between MMTC Limited and TANGEDCO on 25th May, 2015. The Consent to Establish (CTE) issued from TNPCB Vide Order No. 170124499798 under Air (Prevention and control of Pollution) Act, 1981, as amended in 1987 and vide order No.170114499798 under Water (Prevention and control of Pollution) Act,1974, as amended in 1988 on 13th April, 2017.

iii. Now, PP has submitted the proposal for obtaining amendment in existing EC for change in fuel composition from 100% Imported coal to mixture of 50% Indian coal & 50% Imported coal in compliance of MoEF&CC OM dated 6th Dec, 2023 and previous OM dated 11th Nov, 2020.

iv. The EAC reviewed the present average ambient air quality data and observed that PM10 values were on higher side and it was noted that the proposed change in fuel composition from 100% Imported coal to mixture of 50% Indian coal &

50% Imported coal which may increase PM10 emissions in the environment. PP in this regard submitted that this is a temporary increase due to ongoing construction activities at site.

v. The EAC also added that as there is change in fuel, PP shall not ask in the future for additional ash pond and additional water requirement. Further, EAC noted that the total area of plant is 76.88 Ha of which only 18.21 Ha is a green belt area which accounts to 23.7% of the total area. Therefore, PP are advised to conduct power plantation in the upcoming monsoon season.

vi. The Committee observed that as per OM dated 11.11.2020 & 06.12.2023, proposal of PP is not falling under category (a) to (d) mentioned in para 3 of OM dated 6.12.2023 and hence required amendment in EC. Further, it has mentioned in the same OM that "All the Thermal Power Plants (including Captive Power Plants) having Prior Environmental Clearance and going in for change in the coal source other than those falling in the aforementioned category of change in coal source shall approach the Ministry for amendment in environmental clearance along with a study on additional impact assessment and revised EMP based on the change in Source of coal". The Committee observed that PP has submitted the additional impact assessment and revised EMP report of May 2024, along with this proposal.

vii. The EAC noted that PP submitted that FSA/MoU for Imported coal was signed between MMTC Limited and TANGEDCO on 25th May, 2015. No additional water will be required due to change in coal use. No additional power required due to change in coal. No additional Coal Handling Plant (CHP) will be required and the area of 8.09 Ha is available within the site for stacking of Indian as well as imported coal.

viii. PP submitted that Coal characteristics & consumption as under:

S. no.	Details	Units	Imported 100%	Imported 50% Indian 50%	Indian coal
1.	Coal consumption	TPH	280	361	442
		TPD	6720	8664	10608
		MTPA	2.09	2.69	3.29
2.	Ash	%	12	25.5	34
3.	Sulphur	%	0.80	0.65	0.55
4.	Gross Calorific Value	Kcal/kg	6000	4654	3800

Type of coal	Coal quantity (TPH)	Ash content (%)	Total Ash Quantity (TPH)	Fly Ash Quantity (TPH)	Bottom Ash Quantity (TPH)
Imported coal	280	12.0	33.60	23.52	10.08
Mixed coal (Imported 50%, Indian 50%)	361	25.5	92.06	64.44	27.62
Note: Due to change in composition of the coal, the ash quantity will increase					

ix. The committee observed that there is a increase in ash content further as per the EIA the level of pollutant are increasing and on higher side. In this regard PP submitted that-

- Particulate matter (PM): PM value: 96.49 g/m³, predicted GLC: 0.32 g/m³. Resultant GLC: 96.81 ug/m³ which is near the limits as per NAAQ standards. The max. value of PM10 120 g/m³ recorded in Ennore SEZ TPP site since the project is proposed over abandoned ash dyke. The contribution of PM from TPPs within NCTPS complex is 1.2 g/m³ and the contribution all the TPPs with 10 km radius is 1.6 g/m³. To reduce the PM emissions ESP's with an efficiency of 99.98% has been installed to limit the PM below 30 mg/Nm³.

- Sulphur dioxide (SO₂): SO₂ value: 25.1 g/m³, predicted GLC: 1.08 g/m³. Resultant GLC: 26.18 g/m³ which is well with in the limits as per NAAQ standards. The contribution of SO₂ from TPPs within NCTPS complex is 5.1 g/m³ and the contribution all the TPPs with 10 km radius is 7.1 g/m³. Dry FGD has been installed to meet the revised emission norms of MoEF&CC for Sulphur dioxide (SO₂) i.e. 100 mg/Nm³.

- Oxides of nitrogen (NO_x): NO_x value: 42.6 g/m³

³, predicted GLC: 1.08 g/m³. Resultant GLC is 43.68 g/m³ which is well within the limits as per NAAQ standards. The contribution of NO_x from TPPs within NCTPS complex is 6.4 g/m³ and the contribution from all the TPPs within 10 km radius is 8.01 g/m³. To reduce the emissions, a Low NO_x burner will be provided. SCR will also be installed in the future as per requirement to limit the NO_x emission to as per MoEF&CC norms i.e. 100 mg/Nm³.

x. The committee observed that for managing the air pollution, the PP has proposed that i) Dust suppression/ extraction system will be provided to mitigate the dust generated at coal conveying area, transfer points and coal stockyard, ii) Dust collection system will be provided in coal bunkers to evacuate dust and hazardous gases like methane from the coal bunkers, iii) Collected dust would be returned to either the associated belt conveyors or to the coal bunkers. The coal dust from coal transfer points would be restricted to 5 mg/Nm³, iv) 100 % dry fly ash extraction, storage and disposal facilities are proposed for utilization of 100 % fly ash. Closed trucks & containers would be used for this purpose, v) ESP with an efficiency of 99.98 % is proposed to control Particulate Matter, vi) To minimize the SO₂ emissions, a dry FGD system is proposed and vii) To reduce the NO_x emissions, Low NO_x burners have been provided whereas Selective Catalytic Reduction (SCR) system will be installed in the future as per requirement.

xi. Additionally, the committee observed that for managing the ash, the PP has proposed that i) 100% utilization of fly ash in dry form is envisaged. Closed trucks & containers would be used for this purpose, ii) To reduce the dust nuisance while loading the ash into the open trucks from fly ash silos, the fly ash would be conditioned with water spray, iii) It is proposed to cover the ash in the open trucks with tarpaulin to prevent flying of fine ash during transportation, iv) TANGEDCO would put maximum efforts and ensure bottom ash utilization. 100% ash utilization will be achieved as per MoEF&CC notification dt. 3rd Nov. 2009, v) Proposed to supply entire ash to cement industries that are presently lifting fly ash from NCTPS, since there is huge demand in Tamil Nadu for fly ash from thermal stations and vi) MoU between TANGEDCO & M/s. Dalmia Cement (Bharat) Limited was already made on 14th Oct. 2015 for utilization of Fly ash.

xii. The committee observed that the EMP cost proposed by the PP is Rs. 1185.21 cr and recurring cost is Rs 98 Cr. The details are as under:

S. No	Particulars	100% Imported Coal		Indian Coal 50%: Imported Coal 50%		Remark	
		Capital Cost (Rs. Crores)	Recurring Cost (Rs. in Crores)	Capital Cost (Rs. Crores)	Recurring Cost (Rs. in Crores)		
1	Dust Control System					No change	
	i) ESP	192.00		192.0			
	ii) Dust suppression system for coal handling	3.50		3.50			
2	Chimney	88.90		88.90		Increased	
	FGD, De NO _x burners etc.	0		615.0			
3	Water treatment plant including clarifier, UF, RO, DM, Electrical and Instrumentation	42.24		42.24		No change	
4	Effluent Treatment Plant	3.50		3.50			
5	Dense phase, pneumatic Ash Handling Plant including bottom ash & fly ash silos, conveying compressors and other equipment	106.56	48.0	106.56	98		
6	Development of Greenbelt	3.84		3.84			
7	Sewage System	1.44		1.44			
8	Chemical dosing and Chlorination Plant	9.70		9.70			
9	Pollution monitoring instruments/ equipment	14.16		14.16			
10	Other unforeseen items	14.16		14.16			
	Total	480.0	48.0	1,185.21	98		Increased

xiii. Based on the discussion held the committee recommended that in the para 3 of EC dated 20.01.2016 the phrase “The Imported Coal requirement of 2.09 MTPA will be sourced through MMTC, New Delhi” shall be read as “The coal requirement is 2.69 MTPA in the ratio of 50% Imported Coal (1.04 MTPA) and 50% Indian Coal (1.65 MTPA). Imported coal sourced through MMTC, New Delhi and Indian Coal sourced from Kalinga block of Talcher, Mahanadhi, IB Valley Coal Fields.”

xiv. The Committee also noted that there are two court cases with respect to existing project of NCTPS and the proposal no. IA/TN/THE/442379/2023 of M/s. TANGEDCO has been withdrawn by the project proponent.

Recommendations of the Committee

15. The EAC after detailed deliberation on the information submitted and as presented during the meeting **recommended** the proposal for grant of amendment in Environmental Clearance dated 20th January 2016 to the project 1X800 MW (Stage-III), North Chennai TPP and CRZ Clearance for foreshore facilities at Villages Ennur & Puzhuvivakkam, Taluk Ponneri, District Thiruvallur, Tamil Nadu by **M/s. Tamil Nadu Generation & Distribution Corporation Ltd. (TANGEDCO)** for change in the use of Coal from 100% Imported Coal to use of Indian Coal and Imported Coal in equal proportion as mentioned at above Para 5, subject to compliance of the additional specific environmental safeguard conditions (**Annexure-I**), in addition to the conditions in the EC letter dated 20.01.2016.

Decision of MoEF&CC

16. The undersigned is directed to inform that Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Thermal) hereby decided for amendment in Environment Clearance accorded by the Ministry vide F. no. J-13012/14/2012-IA.II (T) dated 20.01.2016 to the project 1X800 MW (Stage-III), North Chennai TPP and CRZ Clearance for foreshore facilities at Villages Ennur & Puzhuvivakkam, Taluk Ponneri, District Thiruvallur, Tamil Nadu by **M/s. Tamil Nadu Generation & Distribution Corporation Ltd. (TANGEDCO)** for change in the use of Coal from 100% Imported Coal to use of Indian Coal and Imported Coal in equal proportion as mentioned at above **Para 5**, subject to compliance of the additional specific environmental safeguard conditions (**Annexure-I**).

17. All other terms and conditions mentioned in the EC & CRZ letter number J-13012/14/2012-IA.II (T) dated 20.01.2016 shall remain unchanged.

18. The project proponent shall obtain fresh Environment Clearance in case of change in scope of the project, if any.

19. This issues with the approval of the Competent Authority.

Yours faithfully,

(Sundar Ramanathan)
Scientist 'F'
Tel: 011- 20819378
Email- r.sundar@nic.in;

Copy To

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
3. Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), Ist and IInd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai – 34.
4. Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001

5. Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai- 600 032, Tamil Nadu.
6. The District Collector, Thiruvallur, State Government of Tamil Nadu.
7. Guard file/Monitoring file/PARIVESH Portal

Annexure 1

Specific EC Conditions for (Thermal Power Plants)

1. Additional Specific Condition

S. No	EC Conditions
1.1	Project proponent shall comply with all the directions passed by the Hon'ble National Green Tribunal vide its judgement dated 05/07/2022 in OA No 8 of 2016 titled as R.Ravimaran (Died) & Ors. vs Union of India & Ors. tagged with OA No 198 of 2016 titled as Meenava Thanthai K.R. Selvaraj Kumar vs The Chief Secretary Government of Tamil Nadu, Chennai & Ors. Compliance status in this regard shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
1.2	PP shall obtain the amendment in CTO from SPCB as applicable in the instant case for the proposed amendments
1.3	PP shall implement the protective measures proposed in EMP in a time-bound manner. The budget earmarked for the same is Rs 1,185.21crores (Capital) and Rs 98 crores(recurring) and should be kept in separate accounts and audited annually. The implantation status along with the amount spent with documentary proof shall be submitted to the concerned Regional Office for the activities carried out during the previous year.
1.4	Regular monitoring of Fly Ash Pond shall be carried out and inspection should be done to avoid any chance of failure of bunds or leakage from the Ash Pond. The Pipe line carrying the fly ash shall also be inspected for any leakage at regular intervals. In case of any leakage immediate corrective measures needs to be taken and concerned authorities shall be informed. PP shall also keep a record of inspection.
1.5	Fly ash handling shall be done strictly as per extent rules/regulations of the Ministry/CPCB issued from time to time including Ministry's Notification No. S.O.5481(E) dated 31st December, 2021. No coal shall be transported through road shall be allowed.
1.6	The transportation of Ash from the Thermal Power Plant to other Industries (Cement/brick) shall be through closed bulkers only.
1.7	Water Sprinkling on roads shall be done in at regular interval on the roads atleast within 1 km range approaching the plant. A logbook shall be maintained for the activity and be in six monthly compliance report.
1.8	PP shall ensure that roads for transportation shall be maintained and keep in good condition to avoid fugitive emissions.
1.9	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
1.10	PP shall provide regular health monitoring services and health services free of cost to people living

S. No	EC Conditions
	in 10 km radius.
1.11	PP shall establish an Environment Management Cell and ensure to engage sufficient staff having environment related qualification for its smooth its functioning.
1.12	Environment Audit of plant shall be done annually and report shall be submitted to Regional office of the Ministry.
1.13	Use of Diesel operated transportation vehicles shall be avoided as far as possible and BS-VI complaint vehicle shall be purchased and preference shall be given to EV/CNG/LNG based trucks for transportation raw materials, coal and disposal. Change to EV/CNG/LNG be done in a time bound manner.
1.14	PP shall ensure that all types of plastic waste generated from the plant shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016 (as amended). In pursuant to the Ministry's OM dated 18/07/2022 PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic(SUP) in order to ensure compliance of Ministry's Notification published by the Ministry on 12/08/2021. A report along with photograph on the measures taken shall also be included in the six monthly compliance report being submitted by PP.
1.15	Monitoring for heavy metals and fluoride in ground water and surface water shall be undertaken along with the regular monitoring and results/findings submitted along with half yearly monitoring report.
1.16	PP is advised to implement the 'Ek Ped Maa Ke Naam' Campaign which was launched on 5th June 2024 on the occasion of the World Environment Day to increase the forest cover across the Country. This plantation drive is other than Green belt development. An action plan in this regard shall be submitted to the concerned Regional Office of the Ministry.