Government of India
Ministry of Environment, Forest and Climate Change
IA Division
(Thermal Projects)
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सत्यमेव जयते

Minutes of AGENDA FOR 27TH MEETING OF THE EXPERT APPRAISAL CO MMITTEE (EAC) (THERMAL POWER PROJECTS) TO BE HELD ON 8TH JU LY, 2025 DURING 10:30 AM – 5.00 PM THROUGH VIRTUAL MODE. meeting T hermal Projects held from 08/07/2025 to 08/07/2025 **Date:** 16/07/2025

MoM ID: EC/MOM/EAC/166441/6/2025

Agenda ID: EC/AGENDA/EAC/166441/6/2025

Meeting Venue: N/A

Meeting Mode: Virtual

Date & Time:

08/07/2025	10:30 AM	05:30 PM

1. Opening remarks

At the outset, Shri. Inder Pal Singh Matharu (I.F.S Retd.), Chairman, Expert Appraisal Committee (Thermal Power & Coal Mining) welcomed the Expert members & other participants and requested to start the proceeding as per the agenda listed for this meeting. The list of members who participated in the meeting is at Annexure – I. The Standard/Generic ToR conditions shall be system generated through the PARIVESH Portal.

[The Original PDF of the MoM is attached at page no. 33-69]

2. Confirmation of the minutes of previous meeting

Confirmation of the minutes of the 26th meeting of the EAC (Thermal): The minutes of the 26th meeting of the EAC (Thermal) held during 20/06/2025 has been confirmed by the EAC.

3. Details of proposals considered by the committee

Day 1 -08/07/2025

3.1. Agenda Item No 1:

3.1.1. Details of the proposal

Expansion of 2x660MW Super Critical Lignite based Thermal Power Project by NLC India Ltd by **NLC INDIA LIMITED** located at **CUDDALORE,TAMIL NADU**	
Proposal For	Amendment in EC

Proposal No	File No	Submission Date	Activity (Schedule Item)
IA/TN/THE/505638/2024	J-13012/11/2016-IA.I(T)	07/06/2025	Thermal Power Plants (1(d))

3.1.2. Project Salient Features

Agenda No 27.1
27.1: Expansion of 2x660 MW capacity Super Critical Lignite Based TPP by M/s. NLC India Limited in Cuddalore District, Tamil Nadu – Amendment in EC regarding change in configuration of TPP from 2x660 MW to 2x500MW – regarding.
[Proposal No. IA/TN/THE/505638/2024] [F. No. J-13012/11/2016-IA. I(T)]
Details of the proposal, as ascertained from the proposal documents and as revealed from the discussions held during the meeting are given as under:
27.1.1: M/s. NLC India Limited has made online application vide proposal no. IA/TN/THE/505638/2024 dated 13.11.2024 along with Form 4 seeking for amendment in the Environmental Clearance accorded by the Ministry vide letter no. File No J-13012/11/2016-IA. I(T) dated 29.10.2018 under the provisions of the EIA Notification, 2006.
Name of the EIA consultant: M/s Hubert Enviro Care Systems (P) Ltd. [NABET/EIA/24-27/RA 0335; Valid up to 31.03.2027]
27.1.2: The existing project of "Proposed expansion of 2x660 MW Super Critical Lignite based Thermal Power Project by M/s. NLC India Limited located at Villges Mudanai, Kunakurichi, Uthangal, Tehsil Vridhachalam, District Cuddalore, Tamil Nadu" was granted Environmental Clearance from Ministry vide Letter F. No. J-13012/11/2016-IA. I(T) dated 29.10.2018. The project is yet to be implemented by the proponent.
27.1.3: The details of the amendment sought by the proponent are as below:

Sl. No	Details	As per EC dated 29.10.2018	Proposed amendment
1.	Thermal Power Plant	2X660 MW	2x500MW

27.1.4: Justification for the proposed EC amendment: NLCIL has earlier proposed Thermal Power Station – II Second Expansion Project (2x660 MW Super-Critical Lignite Based), and floated EPC Tender on October 2022. However, due to bidder's unresponsiveness tender was cancelled. Considering the constraints in availability of technology associates for lignite based super critical configuration, Ministry of Power (MoP) granted exemption to NLCIL for development of TPS-II 2nd Expansion project as sub-critical 2x500 MW vide F No 11/88/2024-Th. I dated 4.11.2024. Considering the growing demand for power, NLCIL has proposed for amendment in environmental clearance for Thermal Power Station – II Second Expansion Project (2x500 MW Sub-Critical Lignite Based) vide proposal no. IA/TN/THE/505638/2024 dated 13.11.2024.

3.1.3. Deliberations by the committee in previous meetings

N/A

3.1.4. Deliberations by the EAC in current meetings

Observations and deliberation of the EAC
27.1.5: The Committee observed and noted the following:
i. The instant proposal is for amendment in the Environmental Clearance dated 29/10/2018 regarding change in configuration of TPP from 2×660MW to 2×500MW.
ii. Neither the project proponent nor the EIA consultant were able to explain the salient features of the instant amendment proposal inter-alia the following:
• Map indicating NLC power plants located in the vicinity of instant proposal has not been made available.
• Factual status on the implementation of EC dated 29/10/2018 has not been provided.
• Area break-up for the proposed 2x500 MW TPP has been submitted by the proponent including the common facilities meant for other power plants of NLC. Further, the area breakup does not include the requisite green belt development in 33% of the area meant for the EC dated 29/10/2018.
• Comparison of baseline environment data as per the EIA report of 2x660 MW vis-à-vis monitored data as part of

existing EC compliance has not been made available.
• Green belt development carried out as part of EC dated 29/10/2018 has not been provided.
• Details of the compliance to the public hearing issues for the EC dated 29/10/2018 and action plan to comply with the same as per MoEF&CC OM dated 30/09/2020 has not been made available.
• AAQ modeling has not been carried out cumulatively by including the all the TPPs of NLC located in the vicinity of the project site.
• No credible document has been made available regarding the time bar chart containing construction of different component of TPP within the EC validity period i.e., by 28/10/2029 (including Covid-19 period) has not been made available.
• Power point presentation has been made quite confusing by hyper-linking and sub-hyperlinking of the different power point slides. Presentation do not contain the relevant information to the proposal under consideration.
• For each and every observation of EAC, proponent was exhibiting different documents and due to this, EAC was unable to take considered view in the matter.
iii. The committee advised the proponent to revisit the entire proposal in totality by addressing all relevant concerns related to the proposal under consideration. Thereafter, appropriate changes in all the requisite documents such as common application form, addendum EIA/EMP report and the presentation etc., shall be carried out and the proposal shall be submitted for fresh consideration by the EAC.

27.1.6: In view of the foregoing and after detailed deliberations, the EAC ***recommended to return the proposal in its present form***.

3.1.5. Recommendation of EAC

Returned in present form

3.2. Agenda Item No 2:

3.2.1. Details of the proposal

2X660 MW Ennore SEZ Thermal Power Plant by M/s. TNPGCL (Erstwhile TANGEDCO) at Voyalur village, Ponneri Taluk, Tiruvallur District, Tamil Nadu – Extension of EC validity by **TANGEDCO** located at **THIRUVALLUR,TAMIL NADU**

Proposal For		Application for Validity Extension of EC- Form-6	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
IA/TN/THE/506571/2024	J-13012/36/2010-IA II (T)	24/12/2024	Thermal Power Plants (1(d))

3.2.2. Project Salient Features

Agenda No 27.2

27.2: Proposed 2x660 MW Ennore SEZ Thermal Power Plant by **M/s. Tamil Nadu Power Generation Corporation Limited (TNPGCL)** (Erstwhile TANGEDCO) at Village Vayalur, Taluk Ponneri, District Thiruvallur, Tamil Nadu – **Extension of validity of EC dated 7/01/2014 & CRZ clearance dated 01/01/2014 – reg.**

[Proposal No. IA/TN/THE/506571/2024] [F.No. J-13012/36/2010-IA. II(T) & F.No. 11-80/2011-IA.III]

27.2.1: M/s. Tamil Nadu Power Generation Corporation Limited (TNPGCL) (Erstwhile TANGEDCO) has made an online application vide proposal no. IA/TN/THE/506571/2024 dated 19/11/2024 along with CAF and Form 6 seeking validity extension of the EC dated 07/01/2014 under the provisions of EIA, Notification 2006 and validity extension of CRZ dated 01/01/2014. The proposed project activity is listed at item no. 1(d) Under Category "A" of the schedule of the EIA Notification, 2006 and appraised at

Central Level.

Name of the EIA consultant: M/s. Re Sustainability Solutions Private Limited, Hyderabad [NABET Certificate No.: NABET/EIA/2225/RA 0278, Valid up to 26/09/2025].

Details of the proposal, as ascertained from the proposal documents and as revealed from the discussions held during the meeting are given as under:

27.2.2: Details of the EC & CRZ clearance:

MoEF&CC has accorded following clearances and amendment to M/s. TANGEDCO for the 2x660 MW Ennore SEZ Thermal Power Plant

Sr. No.	Details of Letter No.	Facility	Clearance	Date of issuance
1.	11-80/2011-IA. III	Coal conveyer and cooling water system for the Ennore SEZ Thermal power station	CRZ	01/01/2014
2.	J-13012/36/2010-IA.II (T)	2x800 MW Ennore SEZ Super critical imported coal based Thermal power plant	Environment Clearance	07/01/2014
3.		Change in configuration of TPP from 2x800 MW to 2x660MW	EC amendment	14/08/2018
4.		2x660 MW Ennore SEZ Super critical imported coal based Thermal power plant	Extension of validity of EC till 06/01/2021	04/02/2019
5.	J-13012/36/2010-IA.II (T)	EC: 2x660 MW EnnoreSEZ Super critical imported coal based Thermal power plant CRZ: Coal conveyer and cooling water system	Extension of validity of EC& CRZ till 31/12/2023	09/04/2021
6.	As per amendment to the EIA Notification, 2006 dated 18/01/2021, the period from the 1st April, 2020 to the 31stMarch, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19). As per amendment to the CRZ Notification, 2011 dated 03/07/2023, the period from the 1st April, 2020 to the 31stMarch, 2021 shall not be considered for the purpose of calculation of the period of validity of CRZ clearance granted under this notification in view of outbreak of Corona Virus (COVID-19). In view of the above, the validity of EC&CRZ will be expiring on 31/12/2024.			

27.2.3: Status of implementation of CRZ clearance dated 01/01/2014 & EC dated 07/01/2014 is given below:

A. EC dated 07/01/2014:

Sr. No.	Equipment	Percentage of completed portion (%)	Yet to be completed (in %)	Expected schedule of completion

1	Boiler & Auxiliaries Unit I & II	81	19	31.12.2025
2	Power House & Auxiliaries Unit I & II	63.26	36.74	31.12.2025
3	NDCT I & II	68.99	31.01	31.12.2025
4	Water system (RODM,PT,CWS)	67.17	32.83	31.12.2025
5	SWIO System	72.19	27.81	31.12.2025
6	Coal handling system	64.22	35.78	31.12.2025
7	Ash handling system	59.05	40.95	31.12.2025
8	400 KV GIS & Swithch yard	85.95	14.05	31.12.2025
9	Chimney	87.09	12.91	31.12.2025
10	Fire detection & Protection system	57.92	42.08	31.12.2025

B. CRZ clearance dated 01/01/2014:

1	Coal pipe conveyor from Ennore Port	50	50	
2	CW intake pipeline from NCTPP complex	50	50	
3	CW outfall pipeline to NCTPP complex	50	50	

27.2.4: Reasons of the delay in implementation:

- The work was awarded to M/s. BHEL and another tenderer has filed a case before High court of Madras and the work was halted due to stay.
- Further, TANGEDCO approached Hon'ble Supreme court of India and after hearing, the judgement was pronounced in favour of TANGEDCO.
- As there was a delay of 2 years to recommence the work. Subsequently, there was a delay due to COVID 19.
- Hence, 70% of work has completed till date and rest of the work is progressing which shall require extension with validity of 1 year.

27.2.5: Proposal of project proponent: Project proponent has requested the Ministry to extend the validity of EC & CRZ clearance for another one year i.e. up to 31/12/2025 for completing the remaining work.

27.2.6: Details regarding pending court cases:

a. As already the Project Proponent has approached the MoEF&CC in this regard, it is open to get their acknowledgement and try to stick to the original proposal without any deviation.

b. Incidentally, when the application was taken up, it was brought to our knowledge that there were concrete structures to an extent of 5460 m^3, which were abandoned in the CRZ area have to be removed.

c. The Chief Engineer - Tamil Nadu Power Generation Corporation Limited (TNPGCL) has filed an affidavit dated 21.09.2024, wherein it is stated that for the clearance of the above concrete structures, tenders have to be floated as per the Tamil Nadu Transparency in Tender Rules, 2000, which would approximately take 145 days or 5 months minimum.

d. We, while disposing of this miscellaneous application, direct the Project Proponent to stick to the timeline given in the affidavit and remove the concrete structures within the time.

27.2.7: ADS Information in chronology: ADS was raised on 3.2.2025 after the EAC meeting held on 24.1.2025.The proponent submitted the ADS reply vide letter dated 29.05.2025 uploaded on PARIVESH on 29.05.2025.Point-wise reply of ADS is given as below:

S No	ADS Point	Reply/Response of PP
	Credible document indicating the c ompletion of 70% of construction work at the project site.	The project is in advanced stage of progress and has achieved around 70% physical progress. Ma jor works of units such as cooling tower are und er construction. Necessary photographs showing the progress of work are submitted herewith. Th e progress of 70% has been arrived at after prop er ground assessment and therefore, is accurate.
	Recommendations of the Coastal Z one Management Authority concer ned for extending the validity of th e CRZ clearance dated 01/01/2014.	Necessary recommendations of SCZMA for ext ension of EC&CRZ clearance obtained on 24.5. 2025 and is submitted.
	EC & CRZ transfer letter in the na me of M/s. Tamil Nadu Power Gen eration Corporation Limited (TNP GCL).	Necessary recommendations of SCZMA for tran sfer of EC&CRZ clearance from M/s TANGED CO to M/s TNPGCL is obtained on 24.5.2025 a nd is submitted
	Point wise compliance to the obser vations made by Hon'ble NGT in it s Order dated 23/09/2024 in Miscel laneous Application [13 of 2024(S Z)] along with the relevant supporti ng document.	Points 1, 2 & 3) Necessary proposal has been already submitted t o MOEF&CC under 7ii(c) of EIA notification 2 006 on 15.5.2024 to adopt approved route in CR Z area as per original CRZ clearance dt 1.1.2014 and EC dt 7.1.2014 and best possible route in no n CRZ area which stands acknowledged. Point 4 & 5) The abandoned concrete structures

S No	ADS Point	Reply/Response of PP
		to an extent of 5460 m^3 in the CRZ area are being removed after awarding the contract. Around 1020 m^3 out of 5460 m^3 (around 20%) is removed already and the balance structures will be removed within a month to and thus, the directions of Hon'ble NGT(SZ) will be complied with. Point 6) TNPGCL has awarded the work and the work is being carried out as detailed in point (4) above and assured that abandoned concrete structures will be removed within a month's period.

S. No.	ADS RAISED	REPLY	
1.	With respect to reply to point no. i of the ADS reply, tabular statement containing time bar chart indicating the status of construction, completion of different components envisaged under the EC dated 01/01/2014 and 07/01/2014 is totally missing .The time bar chart should also indicate the time frame required for completion of remaining components for which validity extension is sought.	The project is progressing with 72% completion and component wise progress is furnished in the Bar chart submitted. Time frame required to complete the project is 31.12.2025.	
2.	With respect to reply to point no. ii of the ADS reply, TANGEDCO is requested to submit the action plan to comply with the recommendations of TNCZMA.	**Conditions of DCZMA**	**Compliance report**
			Original alignment approved in CRZ area as per CRZ clearance dt 1.1.2014 is being adopted.
			All the recommendations of Environmental Management plan are followed by erecting necessary ESP, Chimney, Cooling Tower, ETP, STP and provision of Green belt.
		1. The Mangroves in the Buffer Zone shall not be affected due to the proposed activity.	Mangroves in buffer zone will not be affected due to proposed activity. If warranted, mangrove will be replanted in consultation with forest Department.
			Arrangement is being made to plant Mangroves in the area in consultation with forest department.
		Conditions of TNSCZMA	**Compliance report**
			Action is being taken to complete the remaining works in CRZ area within the extended period of 31.12.

S. No.	ADS RAISED	REPLY	
			2025.
			It is assured that original alignment approved in CRZ area as per CRZ clearance dt 1.1.2014 is being adopted for the pipelines and other fore shore facilities. If any deviation is necessary, prior approval of TNSCZMA and MOEF&CC will be obtained.
			All the directions of Hon'ble NGT(SZ) in the final order of MA 13/2024 are being complied and the detailed report furnished in the reply to ADS (3).
			It is assured that all conditions of TNSCZMA and DCZMA are followed scrupulously.
3.	With respect to reply to point no. iii of the ADS reply, tabular statement containing directions passed by the Honble NGT and action taken by the proponent to comply with the same shall be submitted. Further, the directions wherein compliance is under progress, time frame with financial outlay for completion of the same shall be submitted.	**Directions of NGT (SZ)**	**Action taken report** TNPGCL decided to adopt approved route in CRZ area and slight deviation in non CRZ area as per 7 (ii) (c) of the EIA Notification, 2006 and informed to MOEF&CC on 15.5.2024 and acknowledged on 20.5.2024. Informed under 7(ii) c of the EIA Notification, 2006 to MOEF&CC vide letter dt 15.5.2024 and acknowledged on 20.5.2024. It is assured that original alignment in CRZ area will be followed scrupulously. The abandoned concrete structures in CRZ area are removed and around 2160 m^3 out of 5460 m^3 has already been removed so far. The balance concrete structures will be removed within a month. Financial outlay for the above work is Rs. 2.22 crores. The tender was awarded in 4/2025 and the work is under progressing with 40%. The balance will be removed within a month. Direction being followed and removal of abandoned concrete has since begun. Entire abandoned concrete structures will be removed and disposed within stipulated time and Hon'ble NGT directions will be complied with. Action is being taken to comply with the directions of Hon'ble NGT(

S. No.	ADS RAISED	REPLY	
			SZ).
4.	In addition to the above ,proponent is required to submit an undertaking that requisite name transfer in EC & CRZ from TANGEDCO to TNPGCL will be obtained from the concerned sectors of MOEF & CC	An undertaking stating that transfer of EC&CRZ clearance from M/s. TANGEDCO to M/s TNPGCL will be obtained from the concerned sector of MOEF&CC has been submitted.	

** As on 30-06-2025 -- The abandoned concrete structures in CRZ area are removed and around 4095 m^3 (75%) out of 5460 m^3 has been removed so far. The balance concrete structures will be removed within 2 weeks.

3.2.3. Deliberations by the committee in previous meetings

Date of EAC 1 :24/01/2025

Deliberations of EAC 1 :

Observations and deliberation of the EAC

18.2.7: The Committee observed and noted the following:

i. Instant proposal is for extending the validity of EC & CRZ accorded for the 2x660 MW Ennore SEZ Super critical imported coal based Thermal power plant by another one year i.e., 31/12/2025.

ii. It was apprised to the EAC following are the provisions under EIA, 2006 and CRZ, 2011 for validity extension:

iii. Project proponent has not submitted any credible document such as site photographs, work order issued to the contractors and time bar chart indicating the completion of 70% of construction work at the project site.

iv. Committee noted that proponent has not submitted the recommendations of the Coastal Zone Management Authority concerned for extending the validity of the CRZ clearance dated 01/01/2014 as required under the provisions of CRZ Notification, 2011.

v. Committee noted that project proponent has changed the company name from M/s. TANGEDCO to M/s. Tamil Nadu Power Generation Corporation Limited (TNPGCL). Name transfer of EC & CRZ clearance in the new company name has not been obtained by the proponent till date.

vi. Proponent has not submitted the compliance to the observations made by Hon'ble NGT in its Order dated 23/09/2024 in Miscellaneous Application [13 of 2024 (SZ)] as mentioned at para no 18.2.6.

18.2.8: Recommendations of the Committee:

In view of the foregoing and after detailed deliberations, the EAC ***deferred*** the proposal and sought for following additional information for further consideration of the proposal:

3.2.4. Deliberations by the EAC in current meetings

Observations and deliberation of the EAC

27.2.8: The Committee observed and noted the following:

i. The instant proposal is for validity extension of the EC dated 07/01/2014 under the provisions of EIA, Notification

2006 and validity extension of CRZ dated 01/01/2014 for proposed 2x660 MW Ennore SEZ Thermal Power Plant by M/s. Tamil Nadu Power Generation Corporation Limited (TNPGCL) (Erstwhile TANGEDCO) at Village Vayalur, Taluk Ponneri, District Thiruvallur, Tamil Nadu.

ii. EAC was in receipt of the representation against the instant EC&CRZ validity extension proposal. In this regard, EAC asked the member secretary that the representation shall be sent to proponent to submit point wise response with supporting documents for consideration.

iii. As per the MoM of 24 Jan 2025, the percentage of completion of work was 70 %. However, proponent has now reported 72% completion of work. Neither the proponent nor the consultant could explain the increase in percentage of the completion of work along with corresponding details of the activities carried out after the expiry of the EC & CRZ on 31/12/2024.

iv. With respect to the instant validity extension proposal, it was apprised by the member secretary that there is Original application bearing no. 26 of 2025 titled Selvaraj Duraiswamy, Thiruvallur District Vs MoEF&CC has been filed before the Hon'ble NGT(SZ), Chennai. However, no information has been provided in the application and in the presentation made before the EAC by the proponent. It was also apprised that as per affidavit filed by the proponent in the Hon'ble NGT, it has been prayed that "As the process for extension of EC & CRZ Clearance for 1 year is under process, it is requested to permit the continuance of project work since, the project is so essential to meet out the ever growing power demand of State of Tamil Nadu and the Power project is executed with huge investment from public exchequer". Next date of hearing in the matter is 15/07/2025.

v. EAC took the matter very seriously as the proponent and EIA consultant is deliberately concealing the information related to the status of construction undertaken after 31/12/2024 and also the OA No. 26 of 2025 pending before the Hon'ble NGT(SZ).

27.2.9: Recommendations of the Committee:

In view of the foregoing and after detailed deliberations, the EAC **deferred** the proposal and sought for following additional information for further consideration of the proposal:

i. Increase in percentage of the completion of work from 70 to 72 % and corresponding details of the activities carried out after the expiry of the EC & CRZ on 31/12/2024 along with the geo-tagged photographs of the site.

ii. Details of the Original application bearing no. 26 of 2025 along with the present status of the case and explanation from proponent for not disclosing the same in the reply to the additional information.

iii. Point wise response to the representation along with the relevant supporting documents.

3.2.5. Recommendation of EAC

Deferred for ADS

3.3. Agenda Item No 3:

3.3.1. Details of the proposal

Proposed 2x800 MW Coal Based Ultra Super Critical Thermal Power Plant coming up at Villages Nitaipur, Salboni, Paschim Medinipur District, West Bengal by JSW Thermal Energy Limited (JSWTEL). by **JSW THERMAL ENERGY LIMITED** located at **MEDINIPUR WEST,WEST BENGAL**

Proposal For		Fresh ToR	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
IA/WB/THE/537470/2025	J-13012/05/2025-IA.I(T)	18/06/2025	Thermal Power Plants (1(d))

3.3.2. Project Salient Features

Agenda No 27.3

27.3: Proposed 2x800 MW Coal Based Ultra Super Critical Thermal Power Plant by M/s. JSW Thermal Energy Limited (JSWTEL) located at Villages Nitaipur & Salboni, Tehsil Salboni, District Paschim Medinipur, West Bengal – Prescribing of Terms of Reference (ToR) – reg.

[Proposal No: IA/WB/THE/537470/2025] [F. No. J-13012/05/2025-IA. I(T)]

27.3.1: JSW Thermal Energy Limited (JSWTEL) has made an online application vide proposal no.: IA/WB/THE/537470/2025 dated 20.05.2025 in the prescribed format (CAF, Form – I Part A & B) along with the copy of Pre-Feasibility Report and proposed Terms of References for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at item no. 1(d) Under Category "A" of the schedule of the EIA Notification, 2006 & subsequent amendment and appraised at Central Level.

Name of the EIA consultant: **M/s Gaurang Environmental Solutions Pvt. Ltd**. [NABET/EIA /23-26/RA 0338 dated 16.07.2024 valid up to 07.12.2026].

Details of the proposal, as ascertained from the proposal documents and as revealed from the discussions held during the meeting, are given as under:

27.3.2: The proposed greenfield project is for 2x800 MW Coal Based Ultra Super Critical Thermal Power Plant coming up at Villages Nitaipur & Salboni, Tehsil Salboni, District Paschim Medinipur, West Bengal by JSW Thermal Energy Limited (JSWTEL).

27.3.3: Alternate Site Analysis: The details of alternate site analysis and justification for selecting site 3 is given below:

Parameters	**Site 1 – Shushni** Paschim Medinipur District	**Site 2 – Jagannathpur** Bankura District	**Site 3 – Salboni** Paschim Medinipur District	**Selected site with Justification**
Availability of Land				• The site-III is devoid of Forest Land. • Availability of sufficient land for establishing the power plant. • No ESA within 100 Km of the project. • Comparatively at farthest distance from water bodies/ river. • Good road connectivity – N.H. 60 at a distance of 1.20 km EAST • Rail connectivity – JSW Block Cabin at a distance of ~0.1 KM EAST. • Airport connectivity - Netaji Subhash Chandra Bose International Airport ~117.70 km EAST. • Nearest city is Salboni ~8.0 KM NNE.
Non-Forest	55.0	697.0	724.38	
Forest Area	508.0	25.0	0.00	
Total (Ha)	563.0	722.0	724.38	
ESA (Eco-Sensitivity Zone)	• Ramnabagan WLS ~130.0 NE • Ballavpur WLS ~150.0 KM NNE • Dalma WLS ~ 90.0 KM NW	• Bethuadahari WLS ~100.0 ENE • Ramnabagan WLS ~50.0 ESE • Ballavpur WLS ~50.0 KM NE	• Ramnabagan WLS ~100.0 NE • Ballavpur WLS ~130.0 KM NNE • Dalma WLS ~ 116.0 KM NW	
Proximity to Riverine Systems	Water body within the site	Shali River ~0.17 KM SOUTH	Sundra Nadi ~0.46 KM NNE	
Transport and Communication				
Distance from nearby Railway Station	Jhargram Railway Station ~7.0 KM EAST	Srirampur Railway Station ~3.0 KM ENE	JSW Block Cabin – Railway Station ~0.1 KM EAST	
Distance from the N.H.	• S.H. 09 ~3.6 KM WEST • N.H. 49 ~14.0 KM SOUTH	• S.H. 08 ~3.0 KM ENE • N.H. 14 ~21.0 KM SW	• N.H. 60 ~1.20 KM EAST • S.H. 07 ~15.0 KM SSE	

Parameters	Site 1 – Shushni Paschim Medinipur District	Site 2 – Jagannathpur Bankura District	Site 3 – Salboni Paschim Medinipur District	Selected site with Justification
Airport	• Netaji Subhash Chandra Bose International Airport ~ 150 km EAST	• Netaji Subhash Chandra Bose International Airport ~140 km SE	• Netaji Subhash Chandra Bose International Airport ~ 117.70 km EAST	
Urban Areas	Jhargram ~8.0 EAST	Sonamukhi ~11.0 KM SE	Salboni ~8.0 KM NNE	
Water Source	Kansabati River ~ 50.0 KM EAST	Damodar River ~80.0 KM SE	Mukutmanipur Dam ~60.0 KM NW	• Proximity to the raw material source. • No R & R involved. • No economic impact as no acquisition of land is required. • No clearance of vegetation. • No impact on land use as the land is already allotted for industrial use. • Proximity to cement industry for disposal of ash – JSW Cement Limited Adjacent to plant boundary in EAST. Based on the above points the **site III,** is considered as proposed project site.
Requirement of R&R	Yes	Yes	No	
Land acquisition cost	Need to acquire land	Need to acquire land	Land is already in Possession, allotted by Govt. of West Bengal for Industry to JSW.	
Clearance of Vegetation	Need to clear 508 Ha. forest Area	Need to clear 25 Ha. forest Area	No forest land.	
Land Use Impacts	Major impact due to forest Area	Major impact due to forest Area & agricultural land	No Impact.	
Proximity to Habitation	Within Plant Site	Within Plant Site	Nitaipur ~0.05 KM NORTH	
Proximity to Cement Industries	Rashmi Cement Udyog ~12.0 KM SE	Birla Cement Corporation ~25.0 KM NORTH	JSW Cement Limited Adjacent to plant boundary in EAST	

27.3.4: Environmental site settings:

<table>
<tr><th>S. No.</th><th>Particulars</th><th>Details</th><th>Remarks</th></tr>
<tr><td>1.</td><td>Total Land</td><td>724.38 Hectare (Govt. Land)</td><td>Land use: Industrial</td></tr>
<tr><td>2.</td><td>Land use break up</td><td>
<table>
<tr><th>Particular</th><th>Area (in Ha.)</th></tr>
<tr><td>Main Plant</td><td>64.46</td></tr>
<tr><td>Coal Storage and Handling</td><td>133.61</td></tr>
<tr><td>Switchyard</td><td>19.8</td></tr>
<tr><td>Greenbelt</td><td>239.05</td></tr>
<tr><td>Water System</td><td>57.85</td></tr>
<tr><td>Water Reservoir</td><td>61.1</td></tr>
<tr><td>Misc</td><td>55.43</td></tr>
<tr><td>Ash Disposal</td><td>93.08</td></tr>
<tr><td>Total</td><td>724.38</td></tr>
</table>
</td><td>--</td></tr>
<tr><td>3.</td><td>Land acquisition details as per MoEF&CC O.M. dated 7/10/2014 & 20.02.2025</td><td>Total Land (i.e. 724.38 Ha.) is in possession of JSW Thermal Energy Limited (JSWTEL).</td><td></td></tr>
<tr><td>4.</td><td>Existence of habitation & involvement
of R&R, if any.</td><td>The project is proposed to be set up on a 724.38 Hectares land area which is govt. land and is in possession of the company therefore, no Rehabilitation and Resettlement (R & R) is required.</td><td></td></tr>
<tr><td>5.</td><td>Latitude and Longitude of all corners of
the project site.</td><td>A. Plant Site
<table>
<tr><th>S.No.</th><th>LATITUDE</th><th>LONGITUDE</th></tr>
<tr><td>1</td><td>22°35'34.87"N</td><td>87°15'28.27"E</td></tr>
<tr><td>2</td><td>22°35'21.58"N</td><td>87°16'26.87"E</td></tr>
<tr><td>3</td><td>22°34'31.26"N</td><td>87°16'8.67"E</td></tr>
<tr><td>4</td><td>22°34'56.13"N</td><td>87°16'49.48"E</td></tr>
<tr><td>5</td><td>22°34'56.98"N</td><td>87°17'43.74"E</td></tr>
<tr><td>6</td><td>22°34'54.69"N</td><td>87°17'49.86"E</td></tr>
<tr><td>7</td><td>22°34'49.21"N</td><td>87°17'47.01"E</td></tr>
<tr><td>8</td><td>22°34'45.73"N</td><td>87°17'49.25"E</td></tr>
<tr><td>9</td><td>22°34'44.99"N</td><td>87°17'47.97"E</td></tr>
<tr><td>10</td><td>22°34'29.71"N</td><td>87°18'1.76"E</td></tr>
<tr><td>11</td><td>22°34'31.74"N</td><td>87°18'13.19"E</td></tr>
<tr><td>12</td><td>22°34'26.07"N</td><td>87°18'13.21"E</td></tr>
<tr><td>13</td><td>22°34'26.11"N</td><td>87°18'15.71"E</td></tr>
<tr><td>14</td><td>22°34'24.79"N</td><td>87°18'15.71"E</td></tr>
<tr><td>15</td><td>22°34'24.80"N</td><td>87°18'29.40"E</td></tr>
<tr><td>16</td><td>22°34'26.04"N</td><td>87°18'29.41"E</td></tr>
<tr><td>17</td><td>22°34'26.29"N</td><td>87°19'11.54"E</td></tr>
<tr><td>18</td><td>22°34'20.76"N</td><td>87°19'11.57"E</td></tr>
<tr><td>19</td><td>22°34'19.29"N</td><td>87°16'9.83"E</td></tr>
<tr><td>20</td><td>22°33'37.05"N</td><td>87°16'9.85"E</td></tr>
<tr><td>21</td><td>22°33'58.28"N</td><td>87°15'21.26"E</td></tr>
<tr><td>22</td><td>22°34'13.92"N</td><td>87°15'38.58"E</td></tr>
<tr><td>23</td><td>22°34'32.29"N</td><td>87°15'17.95"E</td></tr>
</table>
</td><td></td></tr>
</table>

<table>
<tr><th>S. No.</th><th>Particulars</th><th>Details</th><th>Remarks</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td>24</td><td>22°34'59.35"N</td><td>87°15'29.78"E</td></tr>
<tr><td>25</td><td>22°35'3.46"N</td><td>87°15'10.46"E</td></tr>
</table>
B. Ash Pond
<table>
<tr><th>S.No.</th><th>LATITUDE</th><th>LONGITUDE</th></tr>
<tr><td>1</td><td>22°33'42.09"N</td><td>87°16'6.14"E</td></tr>
<tr><td>2</td><td>22°33'58.14"N</td><td>87°15'28.67"E</td></tr>
<tr><td>3</td><td>22°34'13.74"N</td><td>87°15'42.96"E</td></tr>
<tr><td>4</td><td>22°34'23.43"N</td><td>87°15'38.56"E</td></tr>
<tr><td>5</td><td>22°34'23.52"N</td><td>87°15'59.85"E</td></tr>
<tr><td>6</td><td>22°34'17.43"N</td><td>87°16'6.04"E</td></tr>
</table>
</td><td></td></tr>
<tr><td>6.</td><td>Elevation of the project site</td><td>•Minimum site elevation is 68 m AMSL
•Maximum site elevation is 100 m AMSL
•Average site elevation is 87 m AMSL</td><td>--</td></tr>
<tr><td>7.</td><td>Involvement of Forest land, if any.</td><td>No forest land is involved in the project.</td><td>--</td></tr>
<tr><td>8.</td><td>Water body (Rivers, Lakes, Pond,
Nala, Natural Drainage,
Canal etc.) exists within the project
site as well as study area</td><td>Project Site: No water body present within project site.
Study area:
<table>
<tr><th>S. No.</th><th>Particulars</th><th>Distance (km)</th><th>Direction</th></tr>
<tr><td>1</td><td>Pond in Salgeria*</td><td>0.35</td><td>West</td></tr>
<tr><td>2</td><td>Sundra Nadi</td><td>0.95</td><td>NNE</td></tr>
<tr><td>3</td><td>Pond in Kusumdanga*</td><td>1.30</td><td>SSW</td></tr>
<tr><td>4</td><td>Pond in Shyamchandpur*</td><td>2.0</td><td>ESE</td></tr>
<tr><td>5</td><td>Parang Nadi</td><td>2.30</td><td>SW</td></tr>
<tr><td>6</td><td>Goaltor Canal</td><td>3.0</td><td>NW</td></tr>
<tr><td>7</td><td>Tamal Nadi</td><td>5.10</td><td>ENE</td></tr>
<tr><td colspan="4">Source- SOI Toposheet and *Google Earth Imagery</td></tr>
</table>
</td><td></td></tr>
<tr><td>9.</td><td>Archaeological sites monuments/ historical temples etc.</td><td>None within 10 km radius of project site.</td><td>--</td></tr>
<tr><td>10.</td><td>Existence of ESZ/ ESA/ national park/wildlife sanctuary/biosphere reserve/ tiger reserve/elephant reserve etc. if any within the study area.</td><td>No National Park / Wild Life Sanctuary / Eco-Sensitive Zone / Biosphere reserve within 10 km radius of the project site boundary. List of Reserved and protected forests:
<table>
<tr><th>S. No.</th><th>Particulars</th><th>Distance (km)</th><th>Direction</th></tr>
<tr><td>1</td><td>PF*</td><td>0.05*</td><td>W</td></tr>
<tr><td>2</td><td>P.F N/v Sluire</td><td>0.98</td><td>S</td></tr>
</table>
</td><td>--</td></tr>
</table>

<table>
<tr><th>S. No.</th><th>Particulars</th><th>Details</th><th>Remarks</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td>3</td><td>P.F N/v Gokulpura</td><td>1.80</td><td>NNE</td></tr>
<tr><td>4</td><td>P.F N/v Pathardaha</td><td>3.30</td><td>NNW</td></tr>
<tr><td>5</td><td>P.F N/v Dakshinsol</td><td>3.50</td><td>NE</td></tr>
<tr><td>6</td><td>Salboni P.F</td><td>3.90</td><td>WSW</td></tr>
<tr><td>7</td><td>P.F N/v Bankibandh</td><td>5.07</td><td>ENE</td></tr>
<tr><td>8</td><td>P.F N/v Betkundri</td><td>5.48</td><td>SSE</td></tr>
<tr><td>9</td><td>P.F N/v Mirga</td><td>5.58</td><td>N</td></tr>
<tr><td>10</td><td>P.F</td><td>6.66</td><td>SSW</td></tr>
<tr><td>11</td><td>Lalgarh P.F</td><td>7.0</td><td>WNW</td></tr>
<tr><td>12</td><td>P.F N/v Khamarbar</td><td>7.85</td><td>NNW</td></tr>
<tr><td>13</td><td>P.F N/v Bandhgora</td><td>10.00</td><td>NW</td></tr>
<tr><td>14</td><td>P.F N/v Nayagram</td><td>10.00</td><td>SSW</td></tr>
<tr><td colspan="4">Source- SOI Toposheet and *Google Earth Imagery</td></tr>
</table>
</td><td></td></tr>
<tr><td>11.</td><td>Facility envisaged in CRZ area (Only for coastal power plant)</td><td>Not applicable</td><td>--</td></tr>
<tr><td>12.</td><td>Involvement of Critically Polluted Area/Severely Polluted area as per 2018 CEPI score</td><td>•Involvement of CPA/SPA: None in project site
•Proximity to CPA/SPA:
No CPA/SPA as declared by CPCB lies within 10 km radius area.</td><td></td></tr>
</table>

27.3.5: The unit configuration and capacity of existing and proposed project is given as below:

S. No.	Proposed power Plant configuration and capacity	Technology adopted
1.	1600 (2x800) MW	Ultra Supercritical

27.3.6: The details of the coal requirement for the proposed project along with its source and mode of transportation is given as below:

Details	Fuel requirement	Source	Distance from site (Kms)	Mode of Transportation	Coal characteristics (Worst case scenario)	Linkage document
Domestic Coal	8.58 Million MTPA	MCL – IB Valle	About 350 – 400 Km	By Rail	Ash content-44% Sulphur content-	--

		y & T alcher coal fi elds.			0.37% GCV 2900 Kcal /Kg	

27.3.7: Water requirement: The water requirement for the proposed project is estimated as 36.50 MCM per annum which will be obtained from the Mukutmanipur Dam/ Rupnarayan River, Kolaghat. The application for drawl of surface water is submitted to WRD, Govt. of West Bengal on 07.04.2025. The water will be transported to the plant site through dedicated pipeline. The specific water consumption for the power plant will be 3.0 m^3/MWhr.

27.3.8: Power requirement: The power requirement for the proposed project is estimated as 111 MW, which will be obtained from the self-generation.

27.3.9: The details of solid and hazardous waste generation along with its mode of treatment/disposal is furnished as below:

S. No.	Waste type	Source	Quantity	Management & Disposal
I	**Solid waste (non-hazardous)**			
1	Fly ash	ESP	9680 TPD	Cement plants, brick/block manufacturing industries, Mine Voids, Highway Con struction, export for RMC Plant etc
2	Bottom Ash	Boiler	2420 TPD	
II	**Solid waste (Hazardous as per HoW Rules, 2016)**			
1	Used / Spent Oil (Cat.)	Plant Operat ion	70 TPA	Registered Recyclers / Preprocessor with SPCB
2	Waste or residues containin g oil (Cat.)	Plant Operation	10 TPA	Send to authorized recyclers
3	Empty Barrels/ containers/ liners contaminated with ha zardous chemicals/ wastes (Cat.)	Plant Oper ation	10 TPA	Send to authorized recycler s
4	Spent oil Exchange resins c ontaining toxic metals (Ca t.)	Plant Oper ation	10 TPA	Captive incineration in boi ler as per SOP issued by C PCB
III	MSW	Domestic activities	365 TPA	Inorganic will be disposed via local municipal authori zed vendor & Organic/Bio degradable waste by OW C.
IV	Sludge (dry) from water treatment	CPU / ETP	10 TPA	TSDF
V	Sludge (dry) from STP	STP	2 TPA	Used as manure within p lant premises

27.3.10: Cost of project: The capital cost of the proposed project is Rs. 14,070 Crores and the capital cost for environmental protection measures is proposed as Rs 4112.5 Crores. The annual recurring cost towards the environmental protection measures is proposed as Rs. 411.0 Crores. The employment generation from the proposed expansion project is 6584 (Construction Phase: 4124, Operation phase: 2460).

27.3.11: Green belt development: Proposed greenbelt will be developed in 239.05 ha which is about 33% of the total project area. A 50 m wide greenbelt, consisting of at least 3 tiers around plant boundary will be developed as greenbelt and green cover as per CPCB guidelines. Local and native species will be planted with a density of 2500 trees per hectare. Total no. of 597625 saplings will be planted and nurtured in 239.05 hectares in 5 years.

Ash Pond details- JSWTEL has proposed an ash pond, details of which are given below:

S. No.	Details of Ash pond	Ash pond
	Area (Ha)	93.08
	Dyke height (m)	10.0
	Volume (m^3)	93,08,000
	Quantity of ash to be disposed (Metric Tons)	74,46,400
	Expected life of ash pond (number of years and months)	25 Years
	Type lining carried in ash pond: HDPE lining of LDPE lining or clay lining or No lining	HDPE with PCC
	Mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specif y whether HCSD or MCSD or LCSD).	Wet slurry (HCSD f or Fly ash and LCS D for Bottom Ash)
	Ratio of ash: water in slurry mix (1:___):	1 : 2.33
	Ash water recycling system (AWRS): Yes or No	Yes
	Quantity of wastewater from ash pond to be discharged into land or water body (m^3)	Nil

27.3.13 Baseline data collection: March 2025 to May 2025

Baseline Data Collection Period: March 2025 to May 2025				
Sl. No.	**Attributes**	**Sampling**		**Remarks**
		No. of Stations	**Frequency**	
A.	**AIR ENVIRONMENT**			
A-1	Meteorological Par ameters: Wind speed, Wind direction, Relative Humidity, Rainfall, Solar radiation and Cloud Cover	1 location	Hourly	Met data logger at sit e Secondary data (Surface Data) from nearest I MD Station, M ednapur in Pasc him Medinipur.

Baseline Data Collection Period: March 2025 to May 2025				
Sl. No.	**Attributes**	**Sampling**		**Remarks**
		No. of Stations	**Frequency**	
A-2	All National Ambient Air Quality Standards (NAAQS) Parameters including Mercury (Hg): PM_{10}, $PM_{2.5}$, SO_2, NO_2, O_3, CO, Pb, C_6H_6, NH_3, BaP, As, Ni & Hg.	11 Stations	24 hourly data, twice a week	**Measurement Methods**: As per NAAQS, 2009 by CPCB.
B.	**NOISE ENVIRONMENT**			
B-1	Hourly equivalent noise levels of Day and Night	11 Stations	One time sampling for 24 hours	Min: IS: 4954- 1968 as adopted by CPCB
C.	**WATER ENVIRONMENT**			
C-1	**Parameters for Ground water quality:** Physical parameters – (pH, temp, colour, turbidity, odour, taste, TDS), Chemical parameters - (Total hardness, calcium, total alkalinity, chloride, magnesium, sulphate, fluoride, nitrate, iron, boron, chromium, Heavy metals like Hg, As, Pb, Ni, Mn, Cd) & microbiological parameters – (Total coliforms, E-coli) etc.	15 Locations	One time sampling.	Samples for water quality testing will be collected and analyzed as per IS: 10500. Pond and ground water quality (10 locations within 2 km radius of the plant boundary).
	For Surface Water Bodies: Physical parameters – (pH, temp, colour, turbidity, odour, taste), Chemical parameters - (Total hardness, calcium, total alkalinity, chloride, magnesium, TDS, sulphate, fluoride, nitrate, iron, aluminium, boron, chromium, conduct	7 Locations	One time sampling.	Pond and ground water quality (10 locations within 2 km radius of the plant boundary).

Baseline Data Collection Period: March 2025 to May 2025				
Sl. No.	**Attributes**	**Sampling**		**Remarks**
		No. of Stations	**Frequency**	
	ivity, BOD, COD, DO, TSS, Heavy metals like Hg, As, Pb, Ni, Mn, Cd) & microbiological parameters – (Total coliforms, faecal coliforms) etc.			
D	**TRAFFIC VOLUME STUDY**			
D-1	**Traffic Assessment:** Collection of 24 Hours data for day and night / Level of Service (LOS) as per Indian Road Congress (IRC) codes.	01 Location	24 Hr. Data for one month	Traffic study for at least one month
E	**LAND ENVIRONMENT**			
E-1	**Soil Quality:** Particle size distribution; Texture, pH, Electrical conductivity, cation exchange capacity (CEC), Alkali metals, Sodium Absorption Ratio (SAR), Permeability, Porosity, available nitrogen, available phosphorous, potassium, heavy metals like – As, Hg etc.	11 Locations	One time sampling.	Soil samples be collected as per BIS specifications in the study area
E-2	**Land use / Landscape**: Location code, Total project area, Topography, Drainage (natural) Cultivated, forest plantations, water bodies, roads and settlements	10 kms radius	One Time	Satellite imagery and authenticated topo sheet indicating drainage, cropping pattern, water bodies (wetland, river system, stream, nallahs, ponds etc.), location of nearest habitations (villages), creeks, mangroves, rivers, reservoirs etc.
F	**BIOLOGICAL ENVIRONMENT**			
F-1	**Aquatic:**	Samples to	During the Stu	One season sampling

Baseline Data Collection Period: March 2025 to May 2025				
Sl. No.	**Attributes**	**Sampling**		**Remarks**
		No. of Stations	**Frequency**	
	Primary productivity, Enumeration of phytoplankton, zooplankton Fisheries Diversity indices Trophic levels, Rare and endangered species, etc.	collect from nearby tributaries at downstream, and also from dug wells close to activity site	dy	for aquatic biota.
F-2	**Terrestrial:** Vegetation – species, list, economic importance, forest produce, medicinal value Importance value index (IVI) of trees and wild animals	Considering probable impact, sampling points and number of samples to be decided on established guidelines on ecological studies based on site eco-environment setting within 10 km radius from the proposed site.	One Time	One season for terrestrial biota. Preliminary assessment. Application of indices, viz. Shannon, similarity, dominance IVI etc. Point quarter plot-less method (random sampling) for terrestrial vegetation survey.
	Fauna: Rare and endangered species Sanctuaries / National park / Biosphere reserve. Listing of birds, mammals, reptiles, amphibians etc.	For forest studies, chronic as well as short- term impacts will be analysed warranting data on micro climate conditions.	One Time	Field binocular
G	**SOCIO-ECONOMIC**			
G-1	Demographic structure Infra	Socio-econ	-	Community/Village

Baseline Data Collection Period: March 2025 to May 2025				
Sl. No.	**Attributes**	**Sampling**		**Remarks**
		No. of Stations	**Frequency**	
	structure resource based	omic survey		Level survey based on personal interviews and questionnaire within 10 KM radius of project site.
H	**HYDRO-GEOLOGICAL STUDY**			
H-1	Hydro-geological study of the area will be carried out through an institute/ organization of repute to assess the impact on ground and surface water regimes. Specific mitigation measures will be spelt out and time bound Action Plan for its implementation will be submitted.			
I	**ECOLOGICAL ASSESSMENT OF WATER SOURCE**			
I-1	Detailed Studies on the impacts of the ecology including fisheries of the River/Estuary/Sea due to the proposed withdrawal of water / discharge of treated wastewater into the River/Sea etc.			
J	**WATER SOURCE SUSTAINABILITY STUDY**			
J-1	Source of water and its sustainability even in lean season shall be provided along with details of ecological impacts arising out of withdrawal of water and taking into account inter-state shares (if any). Information on other competing sources downstream of the proposed project and commitment regarding availability of requisite quantity of water from the Competent Authority shall be provided along with letter / document stating firm allocation of water.			
K	**ECOLOGY & BIODIVERSITY STUDY**			
K-1	Biodiversity analysis of the project site and study area shall be done through any reputed Government institutions. The study report shall inter-alia include impact of release of cooling tower water on aquatic life and action plan for complying with the mitigation measures shall be submitted.			
L	**SOCIO-ECONOMIC STUDY**			
L-1	Socio-economic study of the study area comprising of 10 km from the plant site shall be carried out through a reputed institute / agency which shall consist of detail assessment of the impact on livelihood of the local communities.			
M	**LAND USE & LAND COVER STUDY**			
M-1	A detailed study on land use pattern in the study area shall be carried out including identification of common property resources (such as grazing and community land, water resources etc.) available and Action Plan for its protection and management shall be formulated. If			

Baseline Data Collection Period: March 2025 to May 2025					
Sl. No.	**Attributes**	**Sampling**		**Remarks**	
		No. of Stations	**Frequency**		
	acquisition of grazing land is involved, it shall be ensured that an equal area of grazing land be acquired and developed and detailed plan submitted.				

B. **Summary of Show Cause Notices:** Nil

		As per EC dated 19.02.2008, about 2023 Ha. (5000 Acres) of non-forest govt. waste and private land was allocated for Integrated Steel Plant (3.0 MTPA) and Captive Power Plant (300 MW). The same land area was optimized to 1754 Ha. (4335 Acres) as per ECs dated 03.09.2012. The bifurcation of 1754 Ha. (4335 Acres) land is given below:-
		The green belt will be developed in an area of about 239.05 Ha in which 5,97,625 nos. of saplings will be planted. Detailed greenbelt plan is submitted

3.3.3. Deliberations by the committee in previous meetings

N/A

3.3.4. Deliberations by the EAC in current meetings

27.3.16: The Committee observed and noted the following:

i. Instant proposal is for greenfield project of 2x800 MW Coal Based Ultra Super Critical Thermal Power Plant at Villages Nitaipur & Salboni, Tehsil Salboni, District Paschim Medinipur, West Bengal by M/s. JSW Thermal Energy Limited (JSWTEL).

ii. The committee deliberated on the alternate sites considered by the proponent and noted that they have selected Site 3 – Salboni, Paschim Medinipur District.

iii. EAC noted that for the site mentioned above, PP already obtained EC for setting up of steel plant and CPP on 19/02/2008 in an area of 2023 Ha. However, the project could not be implemented within the validity period of the EC and the same got lapsed on 18/02/2013. The said land was optimized to 1754 Ha. The breakup of 1754 Ha is given as below:

iv. There is no involvement of forest land in the proposed project.
v. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site as ascertained from DSS.
vi. The project site is not located within the Critically Polluted Area (CPA) / Severally Polluted Area (SPA) as per CEPI assessment 2018 of CPCB.
vii. The nearest pond is located at distance of 350 m (W) from the project site and nearest water body is Sundra at a distance of 950 m (NNE) and PP informed that the said river is seasonal for which EAC asked the proponent to submit the certificate from the irrigation department as per MoEF&CC O.M. dated 14/02/2022. It is suggested to locate the ash pond away from the nearest water pond located at a distance of 350 m (W).
viii. Coal requirement for proposed project will be met through Rail. There will be no road transportation of coal for proposed project.
ix. The water requirement for the proposed project is estimated as 36.50 MCM/Annum, which will be obtained from the Mukutmanipur Dam/ Rupnarayan River, Kolaghat. The application for drawl of surface water is submitted to WRD, Govt. of West Bengal on 07.04.2025. The water will be transported to the plant site through dedicated pipeline. The specific water consumption for the power plant will be 3.0 m3/MWhr. EAC desired PP to explore the feasibility of air cooled condenser to reduce the freshwater consumption for the proposed project.
x. The power requirement for the proposed project is estimated as 111 MW, which will be obtained from the self-generation.
xi. The proposed units (2x800 MW) will incorporate high-efficiency (with 99.99%) Electrostatic Precipitators (ESP) to control particulate matter.
xii. The EAC deliberated on proposed ash generation and management plan and asked PP to opt study for reduction in ash pond area with maximum utilization of ash by the nearby Cement Plants of Dalmia Group, Jindal Group and Haldia Group. PP shall also opt dry bottom ash collection system to reduce water consumption. EAC also directed PP to propose the ash pond away from the Saloni water pond and habitation.
xiii. The capital cost of the proposed project is Rs. 14,070 Crores and the capital cost for environmental protection measures is proposed as Rs 4112.5 Crores. The annual recurring cost towards the environmental protection measures is proposed as Rs. 411.0 Crores. The employment generation from the proposed expansion project is 6584 (Construction Phase: 4124, Operation phase: 2460).
xiv. Proposed greenbelt shall be developed in 239.05 ha which is about 33% of the total plant area. EAC deliberated and asked the PP to the plantation in this monsoon season with thickened greenbelt towards the villages and submit phase-wise prospective plan for 3000 lakhs plantation as proposed.
xv. EAC noted that there is dense vegetation in the northwest direction of the proposed project site for which NOC shall be obtained from DFO for clearing the vegetation. PP shall also submit the drone video of entire with emphasis on the green cover along with proposed plan for the vegetation during construction and operation of the project.
xvi. EAC opined that there should be a site visit by the Sub-committee of EAC to see the various environmental issues pertaining to the instant project before consideration of EC proposal.
xvii. The EAC also deliberated on the written submissions of the project proponent and found it satisfactory.

Recommendations of the Committee:

27.3.17: The EAC after detailed deliberations on the information submitted and as presented during the meeting ***recommended*** the proposal for grant of ToR for conducting an EIA study for the above project **subject to uploading of written submission** on PARIVESH Portal under the provisions of the EIA Notification, 2006, as amended along with the following specific ToR in addition to the generic ToRs.

3.3.5. Recommendation of EAC

Recommended (Subject to submission of requisite information/ documents)

3.3.6. Details of Terms of Reference

3.3.6.1. Specific

[A] Environmental Management and Biodiversity Conservation	
1.	Project Proponent shall explore the feasibility of using treated sewage from Sewage Treatment Plants located within 50 km radius of the proposed project as an alternative to the fresh water source to minimize the fresh water drawl from surface water bodies. Action plan in this regard shall be submitted

2.	Project proponent shall explore the feasibility of using air cooled condenser in place of water cooled condenser and details shall be incorporated in the final EIA/EMP report.
3.	Project proponent shall optimize the land requirement for the proposed ash pond and design details of the same shall submitted in the EIA/EMP report.
4.	A Cumulative Environmental Impact Assessment study of all the existing and proposed projects in the 10-km radius of the proposed project shall be conducted and the same shall be included the in EIA/EMP report. Details of industrial units present in 10 Km radius of the power plant shall be earmarked in map and submitted.
5.	Certificate from concerned District Magistrate/Executive Engineer from the State Water Resources department (or) any officer authorized by the State Government in this regard shall be submitted stating that project site is not located within flood plain corresponding to one in 25 years of flood as per Ministry's O.M. dated 14/02/2022.
6.	All the parameters as mentioned in the National Ambient Air Quality Standards (NAAQS) shall be monitored by the project proponent.
7.	Project proponent shall also obtain recommendations from the State Forest department regarding the impact of project on the nearby Reserved Forests, if any, along with the mitigation measures to be followed.
8.	EIA/EMP study shall take in to consideration the different scenarios arising due to change of coal source, impact on environmental attributes due to change of coal source along with corresponding mitigation measures with EMP budget shall be submitted.
9.	Biodiversity analysis of the project site and study area shall be done through any NABET accredited consultant. The study report shall inter-alia include impact of release of cooling tower water on aquatic life and action plan for complying with the mitigation measures shall be submitted.
10.	Project proponent shall commission a study on Hydrology and Hydrogeology of the project site as well as the study area of the project site through a NABET accredited consultant. The study report along with the action plan for implementing the recommendations of the report shall be submitted along with the EIA/EMP report.
11.	Radioactivity studies along with coal analysis to be provided (sulphur, ash percentage and heavy metals including Pb, Cr, As and Hg). Details of auxiliary fuel, if any including its quantity, quality, storage, etc should also be given.
12.	PP should submit the detailed plan in tabular format (year-wise) for concurrent afforestation and green belt development in and around the project site covering 33 % of the project area. The PP should submit the number of saplings to be planted, names of native species, area to be covered under afforestation & green belt, location of plantation, target for survival rate and budget earmarked for the afforestation & green belt development. The capital and recurring expenditure to be incurred needs to be submitted. Plantation plan should be prepared in such a way that 80% of the plantation to be carried out in first 5 years and for the remaining years the proposal for gap filling. The seedling should be of native and few fruit bearing species mainly, of height not less than 2 meters to be selected and accordingly cost of plantation needs to be decided.
13.	Action plan for development of three-tier plantation programme (33 % of total project cover area) along the periphery of the project boundary and the coal transportation route shall be provided. PP shall submit concurrent plantation plan.
14.	Detailed action plan shall be prepared for maintenance of air pollution control equipment for proposed units and shall be incorporated in the EIA/EMP report.
15.	Details of Ash management plan as per MoEF&CC notification dated 31/12/2021 & its subsequent amendment for the proposed project shall be submitted. MoU signed for ash utilization with companies shall be submitted.
16.	Action plan for dry ash collection system (Bottom ash and Fly ash) shall be submitted.

17.	Action plan for disposal of ash through High Concentration Slurry Disposal (only in emergency conditions) shall be submitted.
18.	Proper protection measures like high-density polyethylene (HDPE) lining, appropriate height of bund and adequate distance between the proposed Ash pond and water body (minimum 60 meters) etc. shall be planned to reduce the possibility of mixing leachate with any freshwater body for ash pond. A high-density Slurry disposal plan shall be prepared.
19.	Pond and ground water quality (10 locations within 2 km radius of the plant boundary) shall be studied and report be submitted along with EIA/EMP. Action plan for Ground water monitoring stations on all hotspots like schools/hospitals within 2 km radius of the plant boundary be submitted. Baseline Study for Heavy metals in Groundwater, Surface water and soil to be carried out and incorporated in EIA/EMP report.
20.	Details pertaining to water source, treatment and discharge should be provided.
21.	PP shall provide the details of wastewater treatment facilities to be installed within its capacity, timeline and budget.
22.	Project Proponent to conduct Environmental Cost Benefit Analysis for the project in EIA/EMP Report.
23.	An action plan shall be prepared for Water shed development within 10 km radius of the plant boundary in consultation with reputed government institution and incorporated in EIA/EMP report.
24.	PP should clearly bring out that what is the specific diesel consumption ~ (Liters/Tonne of total material handled) and steps to be taken for reduction of the same. The year-wise target for reduction in the specific diesel consumption needs to be submitted. PP shall also explore the possibility of using e-vehicles/LNG/CNG-based machinery and trucks for the operation and transportation of Coal and ash and submit an implementation strategy.
25.	PP shall provide the details of transportation of fly ash from the plant, transportation route etc. Further, carry out a traffic study for at least one month and provide the impact of transportation along with the mitigation measures.
26.	PP shall submit the action plan to adhere to the Plastic Waste Management Rules 2016 and to adhere Ministry's OM dated 18/07/2022.
27.	Details on renewable energy (solar plant) proposed to be installed as energy conservation measures shall be submitted.
28.	The input parameters for the AAQ modelling and the influence of various combinations of these on the AAQ must be reported in the EIA/EMP Report. In addition to the Wind Rose diagram collected for one season during the preparation of the E.I.A., wind rose diagram for all seasons must be provided using secondary data from sources such as IMD/CPCB etc.
29.	Project proponent shall take all necessary steps to control the Air Quality and take additional mitigation measures for proposed TPP to maintain the Ambient Air Quality values within the limits. The action plan regarding maintaining ambient quality standards (Time weighted average for 24 hours and Annual both) be submitted. Further, project proponent shall submit an undertaking to abide by the provisions of the notification number G.S.R 465 (E) dated 11/07/2025 related to FGD, as amended, and any subsequent amendment there of pursuant to the outcome of study carried out by CPCB in this regard.
30.	PP shall carryout additional Air quality monitoring of three additional locations and the same shall be incorporated in the EIA/EMP report.
31.	Details of air pollution control devices to be installed in the proposed 1x800 MW TPP along with its maintenance schedule shall be incorporated in EIA/EMP report.

32.	Carbon emission due to TPP and allied carbon sequestration/ carbon offsetting plan be submitted.
33.	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.
[B] Disaster Management	
1.	A Disaster Management Plan shall be prepared and incorporated in the EIA/EMP report.
[C] Socio-economic Study	
1.	Public Health Action Plan including the provisions for drinking water supply for the local population shall be in the EIA/EMP Report. The status of the existing medical facilities in the project area shall be discussed. Possibilities of strengthening of existing medical facilities, construction of new medical infrastructure etc. will be explored after assessing the needs of the labour force and local populace.
2.	Public consultation (Public Hearing and Written submission) shall be conducted as per the provisions of EIA Notification, 2006 and as amended. As per the Ministry's OM dated 30.09.2020, to address the concern raised during the Public Hearing, the Project Proponent is required to submit the detailed activities proposed with year-wise budgetary provision (Capital and recurring) for 5 years. Activities proposed shall be part of EMP. Tentative no. of project affected families (if any) shall be identified and accordingly appropriate Rehabilitation &Resettlement plan shall be prepared. The recommendation Socio-economic study may also be considered while planning the activities & budget.
3.	A need based Social Impact Assessment Study shall also be carried out and an action plan on its recommendations may also be submitted with budgetary provisions.
4.	Demographic details and land use change details in 10 km area shall be submitted.
[D] Miscellaneous	
1.	Plot the wind rose diagram using the typical meteorological year (TMY) data for the period considered for the study. The monitoring units shall be deployed in the field based on the coverage area ratio and direction of the wind. A mathematical model shall be developed for the local site rather than using the standard model available in software for both air & water quality modeling.
2.	PP shall align its activities to one/few of the Sustainable Development Goals (SDG) and start working on the mission of net zero by 2050. PPs shall update the same to the EAC.
3.	PP shall submit the EIA/EMP report after the plagiarism check using authenticated plagiarism software.
4.	Detailed description of all the court cases along with its current status shall be submitted.
5.	PP should provide in the EIA Report details of all the statutory clearances, permissions, no objection certificates, consents etc. obtained for this project under various Acts, Rules and regulations shall be submitted. Further, all the permissions/MoUs obtained for this project shall be revalidated and submitted along with the EIA/EMP report.
6.	The PP should submit the photograph of monitoring stations & sampling locations. The photograph should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this PP should submit the original test reports and certificates of the labs, which will analyze the samples.
7.	PP should clearly bring out the details of the manpower to be engaged for this project with their roles /responsibilities/designations. In addition to this PP should mention the number and designation of persons to be engaged for the implementation of environmental management plan (EMP). The capital and recurring expenditure to be incurred needs to be submitted.

8.	PP should submit the year-wise, activity wise and time-bound budget earmarked for EMP, occupational health surveillance, and activities proposed to address the issues raised during Public Hearing. The capital and recurring expenditure to be incurred needs to be submitted.
9.	Activities shall be prepared based on the issues arise during public hearing conducted and fresh written submission with defined timeline and budgetary provisions.
10.	Aerial view video of project site and coal transportation route proposed for this project shall be recorded through drone and be submitted.
11.	The PP should ensure that only NABET-accredited consultants shall be engaged for the preparation of EIA/EMP Reports. PP shall ensure that the accreditation of the consultant is valid during the collection of baseline data, preparation of EIA/EMP report and the appraisal process. The PP and consultant should submit an undertaking the information and data provided in the EIA Report and submitted to the Ministry are factually correct and the PP and consultant are fully accountable for the same.
12.	PP should provide in the EIA Report details of the statutory clearances, permissions, no objection certificates, consents etc. required for this project under various Acts, Rules and regulations and their status or estimated timeline after the grant of EC.
13.	All the certificates viz. involvement of Forestland, distance from the protected area, and list of flora & fauna should be duly authenticated by the Forest Department. The Certificate should bear the name, designation, official seal of the person signing the certificate and dispatch number.
14.	The findings of the subcommittee report shall be incorporated in the final EIA/EMP report.

3.3.6.2. Standard

1(d)	**Thermal Power Plants**
Statutory compliance	
1.	The proposed project shall be given a unique name in consonance with the name submitted to other Government Departments etc. for its better identification and reference.
2.	Vision document specifying prospective long term plan of the project shall be formulated and submitted.
3.	Latest compliance report duly certified by the Regional Office of MoEF&CC for the conditions stipulated in the environmental and CRZ clearances of the previous phase(s) for the expansion projects shall be submitted.
Details of the Project and Site	
1.	The project proponent needs to identify minimum three potential sites based on environmental, ecological and economic considerations, and choose one appropriate site having minimum impacts on ecology and environment. A detailed comparison of the sites in this regard shall be submitted.
2.	Executive summary of the project indicating relevant details along with recent photographs of the proposed site (s) shall be provided. Response to the issues raised during Public Hearing and the written representations (if any), along with a time bound Action Plan and budgetary allocations to address the same, shall be provided in a tabular form, against each action proposed.
3.	Harnessing solar power within the premises of the plant particularly at available roof tops and other available areas shall be formulated and for expansion projects, status of implementation shall also be submitted.

4.	The geographical coordinates (WGS 84) of the proposed site (plant boundary), including location of ash pond along with topo sheet (1:50,000 scale) and IRS satellite map of the area, shall be submitted. Elevation of plant site and ash pond with respect to HFL of water body/nallah/River and high tide level from the sea shall be specified, if the site is located in proximity to them.
5.	Layout plan indicating break-up of plant area, ash pond, green belt, infrastructure, roads etc. shall be provided.
6.	Land requirement for the project shall be optimized and in any case not more than what has been specified by CEA from time to time. Item wise break up of land requirement shall be provided.
7.	Present land use (including land class/kism) as per the revenue records and State Govt. records of the proposed site shall be furnished. Information on land to be acquired including coal transportation system, laying of pipeline, ROW, transmission lines etc. shall be specifically submitted. Status of land acquisition and litigation, if any, should be provided.
8.	If the project involves forest land, details of application, including date of application, area applied for, and application registration number, for diversion under FCA and its status should be provided along with copies of relevant documents.
9.	The land acquisition and R&R scheme with a time bound Action Plan should be formulated and addressed in the EIA report.
10.	Satellite imagery and authenticated topo sheet indicating drainage, cropping pattern, water bodies (wetland, river system, stream, nallahs, ponds etc.), location of nearest habitations (villages), creeks, mangroves, rivers, reservoirs etc. in the study area shall be provided.
11.	Topography of the study area supported by toposheet on 1:50,000 scale of Survey of India, along with a large scale map preferably of 1:25,000 scale and the specific information whether the site requires any filling shall be provided. In that case, details of filling, quantity of required fill material; its source, transportation etc. shall be submitted.
Ecology biodiversity and Environment	
1.	A detailed study on land use pattern in the study area shall be carried out including identification of common property resources (such as grazing and community land, water resources etc.) available and Action Plan for its protection and management shall be formulated. If acquisition of grazing land is involved, it shall be ensured that an equal area of grazing land be acquired and developed and detailed plan submitted.
2.	A mineralogical map of the proposed site (including soil type) and information (if available) that the site is not located on potentially mineable mineral deposit shall be submitted.
3.	The water requirement shall be optimized (by adopting measures such as dry fly ash and dry bottom ash disposal system, air cooled condenser, concept of zero discharge) and in any case not more than that stipulated by CEA from time to time, to be submitted along with details of source of water and water balance diagram. Details of water balance calculated shall take into account reuse and re- circulation of effluents.
4.	Location of any National Park, Sanctuary, Elephant/Tiger Reserve (existing as well as proposed), migratory routes / wildlife corridor, if any, within 10 km of the project site shall be specified and marked on the map duly authenticated by the Chief Wildlife Warden of the State or an officer authorized by him.
5.	Water body/Nallah (if any) passing across the site should not be disturbed as far as possible. In case any Nallah / drain is proposed to be diverted, it shall be ensured that the diversion does not disturb the natural drainage pattern of the area. Details of proposed diversion shall be furnished duly approved by the concerned Department of the State.
6.	It shall also be ensured that a minimum of 500 m distance of plant boundary is kept from the HFL of river system / streams etc. and the boundary of site should also be located 500 m away from railway track and National Highways.

7.	Hydro-geological study of the area shall be carried out through an institute/ organization of repute to assess the impact on ground and surface water regimes. Specific mitigation measures shall be spelt out and time bound Action Plan for its implementation shall be submitted
8.	Detailed Studies on the impacts of the ecology including fisheries of the River/Estuary/Sea due to the proposed withdrawal of water / discharge of treated wastewater into the River/Sea etc shall be carried out and submitted along with the EIA Report. In case of requirement of marine impact assessment study, the location of intake and outfall shall be clearly specified along with depth of water drawl and discharge into open sea.
9.	Source of water and its sustainability even in lean season shall be provided along with details of ecological impacts arising out of withdrawal of water and taking into account inter-state shares (if any). Information on other competing sources downstream of the proposed project and commitment regarding availability of requisite quantity of water from the Competent Authority shall be provided along with letter / document stating firm allocation of water.
10.	Detailed plan for rainwater harvesting and its proposed utilization in the plant shall be furnished.In addition, wherever ground water is drawn, PP shall submit detailed plan of Water charging activity to be undertaken.
11.	Feasibility of near zero discharge concept shall be critically examined and its details submitted.
12.	Optimization of Cycles of Concentration (COC) along with other water conservation measures in the project shall be specified.
13.	Detailed plan for conducting monitoring of water quality regularly with proper maintenance of records shall be formulated. Detail of methodology and identification of monitoring points (between the plant and drainage in the direction of flow of surface / ground water) shall be submitted. It shall be ensured that parameter to be monitored also include heavy metals. A provision for long-term monitoring of ground water table using Piezometer shall be incorporated in EIA, particularly from the study area.
14.	Hazards Characterization: Past incidents of hazard events within 10km radius of project area with detailed analysis of causes and probability of reoccurrence
Environmental Baseline study and mitigation measures	
1.	One complete season (critical season) site specific meteorological and AAQ data (except monsoon season) as per latest MoEF&CC Notification shall be collected along with past three year's meteorological data for that particular season for wins speed analysisand the dates of monitoring shall be recorded. The parameters to be covered for AAQ shall include PM10, PM2.5, SO2, NOx, CO and Hg. The location of the monitoring stations should be so decided so as to take into consideration the upwind direction, pre-dominant downwind direction, other dominant directions, habitation and sensitive receptors. There should be at least one monitoring station each in the upwind and in the pre - dominant downwind direction at a location where maximum ground level concentration is likely to occur.
2.	In case of expansion project, air quality monitoring data of 104 observations a year for relevant parameters at air quality monitoring stations as identified/stipulated shall be submitted to assess for compliance of AAQ Standards (annual average as well as 24 hrs).
3.	A list of industries existing and proposed in the study area shall be furnished.
4.	Cumulative impacts of all sources of emissions including handling and transportation of existing and proposed projects on the environment of the area shall be assessed in detail. Details of the Model used and the input data used for modelling shall also be provided. The air quality contours should be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any. The windrose and isopleths should also be shown on the location map. The cumulative study should also include impacts on water, soil and socio-economics.
5.	Radio activity and heavy metal contents of coal to be sourced shall be examined and submitted along with

	laboratory reports.
6.	Fuel analysis shall be provided. Details of auxiliary fuel, if any, including its quantity, quality, storage etc should also be furnished.
7.	Details of transportation of fuel from the source (including port handling) to the proposed plant and its impact on ambient AAQ shall be suitably assessed and submitted. If transportation entails a long distance it shall be ensured that rail transportation to the site shall be first assessed. Wagon loading at source shall preferably be through silo/conveyor belt.
8.	For proposals based on imported coal, inland transportation and port handling and rail movement shall be examined and details furnished. The approval of the Port and Rail Authorities shall be submitted.
9.	Details regarding infrastructure facilities such as sanitation, fuel, restrooms, medical facilities, safety during construction phase etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase should be adequately catered for and details furnished.
Environmental Management Plan	
1.	EMP to mitigate the adverse impacts due to the project along with item - wise cost of its implementation in a time bound manner shall be specified.
2.	A Disaster Management Plan (DMP) along with risk assessment study including fire and explosion issues due to storage and use of fuel should be prepared. It should take into account the maximum inventory of storage at site at any point of time. The risk contours should be plotted on the plant layout map clearly showing which of the proposed activities would be affected in case of an accident taking place. Based on the same, proposed safeguard measures should be provided. Measures to guard against fire hazards should also be invariably provided. Provision for mock drills shall be suitably incorporated to check the efficiency of the plans drawn.
3.	The DMP so formulated shall include measures against likely Fires/Tsunami/Cyclones/Storm Surges/ Earthquakes etc, as applicable. It shall be ensured that DMP consists of both On-site and Off-site plans, complete with details of containing likely disaster and shall specifically mention personnel identified for the task. Smaller version of the plan for different possible disasters shall be prepared both in English and local languages and circulated widely.
4.	Details of fly ash utilization plan as per the latest fly ash Utilization Notification of GOI along with firm agreements / MoU with contracting parties including other usages etc. shall be submitted. The plan shall also include disposal method / mechanism of bottom ash along with monitoring mechanism.
Green belt development	
1.	Detailed scheme for raising green belt of native species of appropriate width (50 to 100 m) and consisting of at least 3 tiers around plant boundary not less than 2000 tree per ha with survival rate of more than 85%shall be submitted. Photographic evidence must be created and submitted periodically including NRSA reports in case of expansion projects. A shrub layer beneath tree layer would serve as an effective sieve for dust and sink for CO2 and other gaseous pollutants and hence a stratified green belt should be developed.
2.	Over and above the green belt, as carbon sink, plan for additional plantation shall be drawn by identifying blocks of degraded forests, in close consultation with the District Forests Department. In pursuance to this the project proponent shall formulate time bound Action Plans along with financial allocation and shall submit status of implementation to the Ministry every six months
Socio-economic activities	
1.	Socio-economic study of the study area comprising of 10 km from the plant site shall be carried out through a reputed institute / agency which shall consist of detail assessment of the impact on livelihood of the local communities.

2.	Action Plan for identification of local employable youth for training in skills, relevant to the project, for eventual employment in the project itself shall be formulated and numbers specified during construction & operation phases of the Project.
3.	If the area has tribal population, it shall be ensured that the rights of tribals are well protected. The project proponent shall accordingly identify tribal issues under various provisions of the law of the land.
4.	A detailed CER plan along with activities wise break up of financial commitment shall be prepared in terms of the provisions OM No. 22-65/2017-IA.III dated 30.09.2020.CER component shall be identified considering need based assessment study and Public Hearing issues. Sustainable income generating measures which can help in upliftment of affected section of society, which is consistent with the traditional skills of the people shall be identified.
5.	While formulating CER schemes it shall be ensured that an in-built monitoring mechanism for the schemes identified are in place and mechanism for conducting annual social audit from the nearest government institute of repute in the region shall be prepared. The project proponent shall also provide Action Plan for the status of implementation of the scheme from time to time and dovetail the same with any Govt. scheme(s). CERdetails done in the past should be clearly spelt out in case of expansion projects.
6.	R&R plan, as applicable, shall be formulated wherein mechanism for protecting the rights and livelihood of the people in the region who are likely to be impacted, is taken into consideration. R&R plan shall be formulated after a detailed census of population based on socio economic surveys who were dependant on land falling in the project, as well as, population who were dependant on land not owned by them.
7.	Assessment of occupational health and endemic diseases of environmental origin in the study area shall be carried out and Action Plan to mitigate the same shall be prepared.
8.	Occupational health and safety measures for the workers including identification of work related health hazards shall be formulated. The company shall engage full time qualified doctors who are trained in occupational health. Health monitoring of the workers shall be conducted at periodic intervals and health records maintained. Awareness programme for workers due to likely adverse impact on their health due to working in non-conducive environment shall be carried out and precautionary measures like use of personal equipments etc. shall be provided. Review of impact of various health measures undertaken at intervals of two to three years shall be conducted with an excellent follow up plan of action wherever required.
Corporate Environment Policy	
1.	Does the company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
2.	Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
3.	What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions. Details of this system may be given.
4.	Does the company has compliance management system in place wherein compliance status along with compliances / violations of environmental norms are reported to the CMD and the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.
Miscellaneous	
1.	All the above details should be adequately brought out in the EIA report and in the presentation to the Committee.
2.	Details of litigation pending or otherwise with respect to project in any Court, Tribunal etc. shall invariably be furnished.

3.	In case any dismantling of old plants are envisaged, the planned land use & land reclamation of dismantled area to be furnished.

4. Any Other Item(s)

N/A

5. List of Attendees

Sr. No.	Name	Designation	Email ID	Remarks
1	Dr Santoshkumar Hampannavar	Member (EAC)	san**********@yahoo.com	Present
2	Dr Umesh Jagannathrao Kahalekar	Member (EAC)	uka*******@rediffmail.com	Present
3	Shri K B Biswas	Member (EAC)	bis*********@gmail.com	Present
4	Shri Mahi Pal Singh	Member (EAC)	mps********@nic.in	Present
5	Sundar Ramanathan	Scientist - F	r.s*****@nic.in	Present
6	Sh Inder Pal Singh Matharu IFS	Chairman, EAC	mat********@gmail.com	Present
7	Sh Lalit Kapur	Member (EAC)	lka********@yahoo.com	Present
8	Sh Savalge Chandrasekhar	Member (EAC)	sav******@gmail.com	Present
9	Prof Shyam Shanker Singh	Member (EAC)	sin********@gmail.com	Present
10	Dr Vinod Agrawal	Member (EAC)	vin******@yahoo.com	Present
11	Prof R M Bhattacharjee	Member (EAC)	rmb**********@iitism.ac.in	Absent
12	Shri Prasoon Gargava	Scientist F	pra*********@nic.in	Present
13	Shri Harmeet Sahaney	Scientist E	har**********@gmail.com	Absent

Ministry of Environment, Forest and Climate Change
Impact Assessment Division
(Thermal sector)

Date of zero draft MoM sent to Chairman: 15/07/2025
Approval by Chairman: 16/07/2025
Uploading on PARIVESH: 16/07/2025

SUMMARY RECORD OF THE TWENTY-SIXTH (27TH) MEETING OF EXPERT APPRAISAL COMMITTEE (EAC) HELD ON 08TH July, 2025 FOR ENVIRONMENT APPRAISAL OF THERMAL SECTOR PROJECTS THROUGH VIRTUAL MODE.

08th July, 2025 [Tuesday]

At the outset, Shri. Inder Pal Singh Matharu (I.F.S Retd.), Chairman, Expert Appraisal Committee (Thermal Power & Coal Mining) welcomed the Expert members & other participants and requested to start the proceeding as per the agenda listed for this meeting. The list of members who participated in the meeting is at **Annexure – I**. The Standard/Generic ToR conditions shall be system generated through the PARIVESH Portal.

Confirmation of the minutes of the 26th meeting of the EAC (Thermal): The minutes of the 26th meeting of the EAC (Thermal) held during 20/06/2025 has been confirmed by the EAC.

Agenda No 27.1

27.1: Expansion of 2x660 MW capacity Super Critical Lignite Based TPP by **M/s. NLC India Limited** in **Cuddalore District, Tamil Nadu – Amendment in EC regarding change in configuration of TPP from 2x660 MW to 2x500MW – regarding**.

[Proposal No. IA/TN/THE/505638/2024] [F. No. J-13012/11/2016-IA. I(T)]

Details of the proposal, as ascertained from the proposal documents and as revealed from the discussions held during the meeting are given as under:

27.1.1: M/s. NLC India Limited has made online application vide proposal no. IA/TN/THE/505638/2024 dated 13.11.2024 along with Form 4 seeking for amendment in the Environmental Clearance accorded by the Ministry vide letter no. File No J-13012/11/2016-IA. I(T) dated 29.10.2018 under the provisions of the EIA Notification, 2006.

Name of the EIA consultant: M/s Hubert Enviro Care Systems (P) Ltd. [NABET/EIA/24-27/RA 0335; Valid up to 31.03.2027]

27.1.2: The existing project of "Proposed expansion of 2x660 MW Super Critical Lignite based Thermal Power Project by M/s. NLC India Limited located at Villges Mudanai, Kunakurichi, Uthangal, Tehsil Vridhachalam, District Cuddalore, Tamil Nadu" was granted Environmental Clearance from Ministry vide Letter F. No. J-13012/11/2016-IA. I(T) dated 29.10.2018. The

project is yet to be implemented by the proponent.

27.1.3: The details of the amendment sought by the proponent are as below:

Sl. No	Details	As per EC dated 29.10.2018	Proposed amendment
1.	Thermal Power Plant	2X660 MW	2x500MW

27.1.4: Justification for the proposed EC amendment: NLCIL has earlier proposed Thermal Power Station – II Second Expansion Project (2x660 MW Super-Critical Lignite Based), and floated EPC Tender on October 2022. However, due to bidder's unresponsiveness tender was cancelled. Considering the constraints in availability of technology associates for lignite based super critical configuration, Ministry of Power (MoP) granted exemption to NLCIL for development of TPS-II 2nd Expansion project as sub-critical 2x500 MW vide F No 11/88/2024-Th. I dated 4.11.2024. Considering the growing demand for power, NLCIL has proposed for amendment in environmental clearance for Thermal Power Station – II Second Expansion Project (2x500 MW Sub-Critical Lignite Based) vide proposal no. IA/TN/THE/505638/2024 dated 13.11.2024.

Observations and deliberation of the EAC

27.1.5: The Committee observed and noted the following:

i. The instant proposal is for amendment in the Environmental Clearance dated 29/10/2018 regarding change in configuration of TPP from 2×660MW to 2×500MW.

ii. Neither the project proponent nor the EIA consultant were able to explain the salient features of the instant amendment proposal inter-alia the following:

- Map indicating NLC power plants located in the vicinity of instant proposal has not been made available.
- Factual status on the implementation of EC dated 29/10/2018 has not been provided.
- Area break-up for the proposed 2x500 MW TPP has been submitted by the proponent including the common facilities meant for other power plants of NLC. Further, the area breakup does not include the requisite green belt development in 33% of the area meant for the EC dated 29/10/2018.
- Comparison of baseline environment data as per the EIA report of 2x660 MW vis-à-vis monitored data as part of existing EC compliance has not been made available.
- Green belt development carried out as part of EC dated 29/10/2018 has not been provided.
- Details of the compliance to the public hearing issues for the EC dated 29/10/2018 and action plan to comply with the same as per MoEF&CC OM dated 30/09/2020 has not been made available.
- AAQ modeling has not been carried out cumulatively by including the all the TPPs of NLC located in the vicinity of the project site.
- No credible document has been made available regarding the time bar chart containing construction of different component of TPP within the EC validity period i.e., by 28/10/2029 (including Covid-19 period) has not been made available.
- Power point presentation has been made quite confusing by hyper-linking and sub-

hyperlinking of the different power point slides. Presentation do not contain the relevant information to the proposal under consideration.

- For each and every observation of EAC, proponent was exhibiting different documents and due to this, EAC was unable to take considered view in the matter.

iii. The committee advised the proponent to revisit the entire proposal in totality by addressing all relevant concerns related to the proposal under consideration. Thereafter, appropriate changes in all the requisite documents such as common application form, addendum EIA/EMP report and the presentation etc., shall be carried out and the proposal shall be submitted for fresh consideration by the EAC.

27.1.6: In view of the foregoing and after detailed deliberations, the EAC ***recommended to return the proposal in its present form***.

Agenda No 27.2

27.2: Proposed 2x660 MW Ennore SEZ Thermal Power Plant by **M/s. Tamil Nadu Power Generation Corporation Limited (TNPGCL)** (Erstwhile TANGEDCO) at Village Vayalur, Taluk Ponneri, District Thiruvallur, Tamil Nadu – **Extension of validity of EC dated 7/01/2014 & CRZ clearance dated 01/01/2014 – reg.**

[Proposal No. IA/TN/THE/506571/2024] [F.No. J-13012/36/2010-IA. II(T) & F.No. 11-80/2011-IA.III]

27.2.1: M/s. Tamil Nadu Power Generation Corporation Limited (TNPGCL) (Erstwhile TANGEDCO) has made an online application vide proposal no. IA/TN/THE/506571/2024 dated 19/11/2024 along with CAF and Form 6 seeking validity extension of the EC dated 07/01/2014 under the provisions of EIA, Notification 2006 and validity extension of CRZ dated 01/01/2014. The proposed project activity is listed at item no. 1(d) Under Category "A" of the schedule of the EIA Notification, 2006 and appraised at Central Level.

Name of the EIA consultant: M/s. Re Sustainability Solutions Private Limited, Hyderabad [NABET Certificate No.: NABET/EIA/2225/RA 0278, Valid up to 26/09/2025].

Details of the proposal, as ascertained from the proposal documents and as revealed from the discussions held during the meeting are given as under:

27.2.2: Details of the EC & CRZ clearance:

MoEF&CC has accorded following clearances and amendment to M/s. TANGEDCO for the 2x660 MW Ennore SEZ Thermal Power Plant

Sr. No.	Details of Letter No.	Facility	Clearance	Date of issuance
1.	11-80/2011-IA. III	Coal conveyer and cooling water system for the Ennore SEZ Thermal power station	CRZ	01/01/2014
2.	J-	2x800 MW Ennore SEZ Super critical	Environment	07/01/2014

Sr. No.	Details of Letter No.	Facility	Clearance	Date of issuance
	13012/36/2010-IA.II (T)	imported coal based Thermal power plant	Clearance	
3.		Change in configuration of TPP from 2x800 MW to 2x660MW	EC amendment	14/08/2018
4.		2x660 MW Ennore SEZ Super critical imported coal based Thermal power plant	Extension of validity of EC till 06/01/2021	04/02/2019
5.	J-13012/36/2010-IA.II (T)	EC: 2x660 MW EnnoreSEZ Super critical imported coal based Thermal power plant CRZ: Coal conveyer and cooling water system	Extension of validity of EC& CRZ till 31/12/2023	09/04/2021
6.	As per amendment to the EIA Notification, 2006 dated 18/01/2021, the period from the 1st April, 2020 to the 31stMarch, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19). As per amendment to the CRZ Notification, 2011 dated 03/07/2023, the period from the 1st April, 2020 to the 31stMarch, 2021 shall not be considered for the purpose of calculation of the period of validity of CRZ clearance granted under this notification in view of outbreak of Corona Virus (COVID-19). In view of the above, the validity of EC&CRZ will be expiring on 31/12/2024.			

27.2.3: Status of implementation of CRZ clearance dated 01/01/2014 & EC dated 07/01/2014 is given below:

A. EC dated 07/01/2014

Sr. No.	Equipment	Percentage of completed portion (%)	Yet to be completed (in %)	Expected schedule of completion
1	Boiler & Auxiliaries Unit I & II	81	19	31.12.2025
2	Power House & Auxiliaries Unit I & II	63.26	36.74	31.12.2025
3	NDCT I & II	68.99	31.01	31.12.2025
4	Water system (RODM,PT,CWS)	67.17	32.83	31.12.2025
5	SWIO System	72.19	27.81	31.12.2025
6	Coal handling system	64.22	35.78	31.12.2025
7	Ash handling system	59.05	40.95	31.12.2025
8	400 KV GIS &Swithch yard	85.95	14.05	31.12.2025
9	Chimney	87.09	12.91	31.12.2025
10	Fire detection & Protection system	57.92	42.08	31.12.2025

B. CRZ clearance dated 01/01/2014:

Sr. No.	Description of facilities	Percentage of completed portion (%)	Yet to be completed (in %)	Expected schedule of completion
1	Coal pipe conveyor from Ennore Port	50	50	31.12.2025
2	CW intake pipeline from NCTPP complex	50	50	31.12.2025
3	CW outfall pipeline to NCTPP complex	50	50	31.12.2025

27.2.4: Reasons of the delay in implementation:

- The work was awarded to M/s. BHEL and another tenderer has filed a case before High court of Madras and the work was halted due to stay.
- Further, TANGEDCO approached Hon'ble Supreme court of India and after hearing, the judgement was pronounced in favour of TANGEDCO.
- As there was a delay of 2 years to recommence the work. Subsequently, there was a delay due to COVID 19.
- Hence, 70% of work has completed till date and rest of the work is progressing which shall require extension with validity of 1 year.

27.2.5: Proposal of project proponent: Project proponent has requested the Ministry to extend the validity of EC & CRZ clearance for another one year i.e. up to 31/12/2025 for completing the remaining work.

27.2.6: Details regarding pending court cases:

- A Suo-Moto case was filed by Hon'ble NGT in OA no. 162/2021 and NGT directed to obtain amendment in CRZ clearance for the change in route of pipe conveyor and CW lines.
- Subsequently, Miscellaneous Application [13 of 2024(SZ)] was filed before the NGT by the proponent to proceed with the construction activity of the conveyance corridor of the 2×660 MW Ennore SEZ Supercritical Imported Coal-based Thermal Power Plant in an approved route in CRZ Area as per the CRZ Clearance dated 01.01.2014 and Environmental Clearance dated 07.01.2014, and best possible route in Non-CRZ Area in the interest of the project and environment, in compliance with Clause 7 (ii) (c) of EIA Notification, 2006.
- The Hon'ble NGT vide its order dated 23/09/2024 disposed of the above M.A. with the following observations:
    a. *As already the Project Proponent has approached the MoEF&CC in this regard, it is open to get their acknowledgement and try to stick to the original proposal without any deviation.*
    b. *Incidentally, when the application was taken up, it was brought to our knowledge that there were concrete structures to an extent of 5460 m^3, which were abandoned in the CRZ area have to be removed.*
    c. *The Chief Engineer - Tamil Nadu Power Generation Corporation Limited (TNPGCL) has filed an affidavit dated 21.09.2024, wherein it is stated that for the clearance of the above concrete structures, tenders have to be floated as per the Tamil Nadu Transparency in Tender Rules, 2000, which would approximately take 145 days or 5 months minimum.*

d. We, while disposing of this miscellaneous application, direct the Project Proponent to stick to the timeline given in the affidavit and remove the concrete structures within the time.

27.2.7: ADS Information in chronology: ADS was raised on 3.2.2025 after the EAC meeting held on 24.1.2025.The proponent submitted the ADS reply vide letter dated 29.05.2025 uploaded on PARIVESH on 29.05.2025.Point-wise reply of ADS is given as below:

S No	ADS Point	Reply/Response of PP
i.	Credible document indicating the completion of 70% of construction work at the project site.	The project is in advanced stage of progress and has achieved around 70% physical progress. Major works of units such as cooling tower are under construction. Necessary photographs showing the progress of work are submitted herewith. The progress of 70% has been arrived at after proper ground assessment and therefore, is accurate.
ii.	Recommendations of the Coastal Zone Management Authority concerned for extending the validity of the CRZ clearance dated 01/01/2014.	Necessary recommendations of SCZMA for extension of EC&CRZ clearance obtained on 24.5.2025 and is submitted.
iii.	EC & CRZ transfer letter in the name of M/s. Tamil Nadu Power Generation Corporation Limited (TNPGCL).	Necessary recommendations of SCZMA for transfer of EC&CRZ clearance from M/s TANGEDCO to M/s TNPGCL is obtained on 24.5.2025 and is submitted
iv.	Point wise compliance to the observations made by Hon'ble NGT in its Order dated 23/09/2024 in Miscellaneous Application [13 of 2024(SZ)] along with the relevant supporting document.	Points 1, 2 & 3) Necessary proposal has been already submitted to MOEF&CC under 7ii(c) of EIA notification 2006 on 15.5.2024 to adopt approved route in CRZ area as per original CRZ clearance dt 1.1.2014 and EC dt 7.1.2014 and best possible route in non CRZ area which stands acknowledged. Point 4 & 5) The abandoned concrete structures to an extent of 5460 m^3 in the CRZ area are being removed after awarding the contract. Around 1020 m^3 out of 5460 m^3 (around 20%) is removed already and the balance structures will be removed within a month to and thus, the directions of Hon'ble NGT(SZ) will be complied with. Point 6) TNPGCL has awarded the work and the work is being carried out as detailed in point (4) above and assured that abandoned concrete

S No	ADS Point	Reply/Response of PP
		structures will be removed within a month's period.

Further ADS was raised on 31.05.2025. The proponent submitted the reply to the ADS vide letter dated 05.06.2025 and uploaded in PARIVESH on 05.06.2025. Point-wise reply of further ADS is given as below:

S. No.	ADS RAISED	REPLY	
1.	With respect to reply to point no. i of the ADS reply, tabular statement containing time bar chart indicating the status of construction, completion of different components envisaged under the EC dated 01/01/2014 and 07/01/2014 is totally missing .The time bar chart should also indicate the time frame required for completion of remaining components for which validity extension is sought.	The project is progressing with 72% completion and component wise progress is furnished in the Bar chart submitted. Time frame required to complete the project is 31.12.2025.	
2.	With respect to reply to point no. ii of the ADS reply, TANGEDCO is requested to submit the action plan to comply with the recommendations of TNCZMA.	**Conditions of DCZMA**	**Compliance report**
		1.The alignment of the Pipe Coal Conveyance System, Cooling Water Intake Pipeline and Blow Down Discharge Pipeline in CRZ Area, shall be strictly the same as the alignment approved in CRZ Clearance dated: 01.01.2014.	Original alignment approved in CRZ area as per CRZ clearance dt 1.1.2014 is being adopted.
		1.All the recommendations of the Environmental Management Plan shall be followed.	All the recommendations of Environmental Management plan are followed by erecting necessary ESP, Chimney, Cooling Tower, ETP, STP and provision of Green belt.
		1. The Mangroves in the Buffer Zone shall not be affected due to the proposed activity.	Mangroves in buffer zone will not be affected due to proposed activity. If warranted, mangrove will be replanted in consultation with forest Department.

S. No.	ADS RAISED	REPLY	
		2. The project proponent, in consultation with Forest Department, formulate plans for the conservation, maintenance and development of mangroves in the area.	Arrangement is being made to plant Mangroves in the area in consultation with forest department.
		Conditions of TNSCZMA	**Compliance report**
		1. The Project Proponent to expedite the completion of the remaining works within the extended validity period, and avoid any further delays that may result in project stagnation or regulatory non – compliance.	Action is being taken to complete the remaining works in CRZ area within the extended period of 31.12.2025.
		2. The Project Proponent shall strictly adhere to the original design and alignment of pipelines and other foreshore facilities as approved under the earlier CRZ clearance. Any deviation shall require prior approval of TNSCZMA and MoEF& CC.	It is assured that original alignment approved in CRZ area as per CRZ clearance dt 1.1.2014 is being adopted for the pipelines and other foreshore facilities. If any deviation is necessary, prior approval of TNSCZMA and MOEF&CC will be obtained.
		3. The National Green Tribunal (NGT) had earlier issued specific directions regarding the alignment and implementation of the pipeline infrastructure. The Project Proponent is mandated to comply fully with all NGT directives and submit a compliance report to the authority.	All the directions of Hon'ble NGT(SZ) in the final order of MA 13/2024 are being complied and the detailed report furnished in the reply to ADS (3).
		4. All the conditions imposed by TNSCZMA & DCZMA should be followed stringently.	It is assured that all conditions of TNSCZMA and DCZMA are followed scrupulously.

S. No.	ADS RAISED	REPLY	
3.	With respect to reply to point no. iii of the ADS reply, tabular statement containing directions passed by the Honble NGT and action taken by the proponent to comply with the same shall be submitted. Further, the directions wherein compliance is under progress, time frame with financial outlay for completion of the same shall be submitted.	**Directions of NGT (SZ)** 1. Pursuant to the order dated 31.01.2022 passed in O.A No.122 of 2021 (SZ) and O.A No.162 of 2021 (SZ), the Project Proponent had approached the MoEF& CC vide letter dated:15.05.2024 seeking the acknowledgment of the MoEF& CC for the proposal submitted with no deviation in CRZ area and slight deviation in non CRZ area under 7 (ii) (c) of the EIA Notification, 2006. 2. Before the acknowledgment is received, the above Miscellaneous Application is filed before us to permit the applicant to proceed with the construction activity of the conveyance corridor of the 2x660 MW Ennore SEZ Supercritical Imported Coal – based Thermal Power Plant in an approved route in CRZ Area as per the CRZ Clearance dated:01.01.2014 and Environmental Clearance dated:07.01.2014, and best possible route in Non- CRZ Area in the interest of the project and environment, in compliance with Clause 7 (ii) (c) of EIA Notification, 2006. 3. As already the Project Proponent has approached the MoEF& CC in this regard, it is open to get	**Action taken report** TNPGCL decided to adopt approved route in CRZ area and slight deviation in non CRZ area as per 7 (ii) (c) of the EIA Notification, 2006 and informed to MOEF&CC on 15.5.2024 and acknowledged on 20.5.2024. Informed under 7(ii) c of the EIA Notification, 2006 to MOEF&CC vide letter dt 15.5.2024 and acknowledged on 20.5.2024. It is assured that original alignment in CRZ area will be followed scrupulously. The abandoned concrete structures in CRZ area are removed and around 2160 m^3 out of 5460 m^3 has already been removed so far. The balance

S. No.	ADS RAISED	REPLY
4.	In addition to the above ,proponent is required to submit an undertaking that requisite name transfer in EC & CRZ from TANGEDCO to TNPGCL will be obtained from the concerned sectors of MOEF & CC	An undertaking stating that transfer of EC&CRZ clearance from M/s. TANGEDCO to M/s TNPGCL will be obtained from the concerned sector of MOEF&CC has been submitted.

** As on 30-06-2025 -- The abandoned concrete structures in CRZ area are removed and around 4095 m^3 (75%) out of 5460 m^3 has been removed so far. The balance concrete structures will be removed within 2 weeks.

Observations and deliberation of the EAC

27.2.8: The Committee observed and noted the following:

i. The instant proposal is for validity extension of the EC dated 07/01/2014 under the provisions of EIA, Notification 2006 and validity extension of CRZ dated 01/01/2014 for proposed 2x660 MW Ennore SEZ Thermal Power Plant by M/s. Tamil Nadu Power Generation Corporation Limited (TNPGCL) (Erstwhile TANGEDCO) at Village Vayalur, Taluk Ponneri, District Thiruvallur, Tamil Nadu.

ii. EAC was in receipt of the representation against the instant EC&CRZ validity extension proposal. In this regard, EAC asked the member secretary that the representation shall be sent to proponent to submit point wise response with supporting documents for consideration.

iii. As per the MoM of 24 Jan 2025, the percentage of completion of work was 70 %. However, proponent has now reported 72% completion of work. Neither the proponent nor the consultant could explain the increase in percentage of the completion of work along with corresponding details of the activities carried out after the expiry of the EC & CRZ on 31/12/2024.

iv. With respect to the instant validity extension proposal, it was apprised by the member secretary that there is Original application bearing no. 26 of 2025 titled Selvaraj Duraiswamy, Thiruvallur District Vs MoEF&CC has been filed before the Hon'ble NGT(SZ), Chennai. However, no information has been provided in the application and in the presentation made before the EAC by the proponent. It was also apprised that as per affidavit filed by the proponent in the Hon'ble NGT, it has been prayed that *"As the process for extension of EC & CRZ Clearance for 1 year is under process, it is requested to permit the continuance of project work since, the project is so essential to meet out the ever growing power demand of State of Tamil Nadu and the Power project is executed with huge investment from public exchequer".* Next date of hearing in the matter is 15/07/2025.

v. EAC took the matter very seriously as the proponent and EIA consultant is deliberately concealing the information related to the status of construction undertaken after 31/12/2024 and also the OA No. 26 of 2025 pending before the Hon'ble NGT(SZ).

27.2.9: Recommendations of the Committee:

In view of the foregoing and after detailed deliberations, the EAC deferred the proposal and sought for following additional information for further consideration of the proposal:

i. Increase in percentage of the completion of work from 70 to 72 % and corresponding details of the activities carried out after the expiry of the EC & CRZ on 31/12/2024 along with the geo-tagged photographs of the site.
ii. Details of the Original application bearing no. 26 of 2025 along with the present status of the case and explanation from proponent for not disclosing the same in the reply to the additional information.
iii. Point wise response to the representation along with the relevant supporting documents.

Agenda No 27.3

27.3: Proposed 2x800 MW Coal Based Ultra Super Critical Thermal Power Plant by **M/s. JSW Thermal Energy Limited (JSWTEL)** located at Villages Nitaipur & Salboni, Tehsil Salboni, **District Paschim Medinipur, West Bengal – Prescribing of Terms of Reference (ToR) – reg.**

[Proposal No: IA/WB/THE/537470/2025] [F. No. J-13012/05/2025-IA. I(T)]

27.3.1: JSW Thermal Energy Limited (JSWTEL) has made an online application vide proposal no.: IA/WB/THE/537470/2025 dated 20.05.2025 in the prescribed format (CAF, Form – I Part A & B) along with the copy of Pre-Feasibility Report and proposed Terms of References for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at item no. 1(d) Under Category "A" of the schedule of the EIA Notification, 2006 & subsequent amendment and appraised at Central Level.

Name of the EIA consultant: **M/s Gaurang Environmental Solutions Pvt. Ltd**. [NABET/EIA /23-26/RA 0338 dated 16.07.2024 valid up to 07.12.2026].

Details of the proposal, as ascertained from the proposal documents and as revealed from the discussions held during the meeting, are given as under:

27.3.2: The proposed greenfield project is for 2x800 MW Coal Based Ultra Super Critical Thermal Power Plant coming up at Villages Nitaipur & Salboni, Tehsil Salboni, District Paschim Medinipur, West Bengal by JSW Thermal Energy Limited (JSWTEL).

27.3.3: Alternate Site Analysis: The details of alternate site analysis and justification for selecting site 3 is given below:

Parameters	**Site 1 – Shushni** Paschim Medinipur District	**Site 2 – Jagannathpur** Bankura District	**Site 3 – Salboni** Paschim Medinipur District	**Selected site with Justification**
Availability of Land				• The site-III is devoid of
Non-Forest	55.0	697.0	724.38	

Parameters	**Site 1 – Shushni** Paschim Medinipur District	**Site 2 – Jagannathpur** Bankura District	**Site 3 – Salboni** Paschim Medinipur District	**Selected site with Justification**
Forest Area	508.0	25.0	0.00	Forest Land. • Availability of sufficient land for establishing the power plant. • No ESA within 100 Km of the project. • Comparatively at farthest distance from water bodies/ river. • Good road connectivity – N.H. 60 at a distance of 1.20 km EAST • Rail connectivity – JSW Block Cabin at a distance of ~0.1 KM EAST. • Airport connectivity - Netaji Subhash Chandra Bose International Airport ~117.70 km EAST. • Nearest city is Salboni ~8.0 KM NNE.
Total (Ha)	563.0	722.0	724.38	
ESA (Eco-Sensitivity Zone)	• Ramnabagan WLS ~130.0 NE • Ballavpur WLS ~150.0 KM NNE • Dalma WLS ~90.0 KM NW	• Bethuadahari WLS ~100.0 ENE • Ramnabagan WLS ~50.0 ESE • Ballavpur WLS ~50.0 KM NE	• Ramnabagan WLS ~100.0 NE • Ballavpur WLS ~130.0 KM NNE • Dalma WLS ~116.0 KM NW	
Proximity to Riverine Systems	Water body within the site	Shali River ~0.17 KM SOUTH	Sundra Nadi ~0.46 KM NNE	
Transport and Communication				
Distance from nearby Railway Station	Jhargram Railway Station ~7.0 KM EAST	Srirampur Railway Station ~3.0 KM ENE	JSW Block Cabin – Railway Station ~0.1 KM EAST	
Distance from the N.H.	• S.H. 09 ~3.6 KM WEST • N.H. 49 ~14.0 KM SOUTH	• S.H. 08 ~3.0 KM ENE • N.H. 14 ~21.0 KM SW	• N.H. 60 ~1.20 KM EAST • S.H. 07 ~15.0 KM SSE	
Airport	• Netaji Subhash Chandra Bose International Airport ~ 150 km EAST	• Netaji Subhash Chandra Bose International Airport ~140 km SE	• Netaji Subhash Chandra Bose International Airport ~ 117.70 km EAST	
Urban Areas	Jhargram ~8.0 EAST	Sonamukhi ~11.0 KM SE	Salboni ~8.0 KM NNE	
Water Source	Kansabati River ~50.0 KM EAST	Damodar River ~80.0 KM SE	Mukutmanipur Dam ~60.0 KM	• Proximity to

Parameters	**Site 1 – Shushni** Paschim Medinipur District	**Site 2 – Jagannathpur** Bankura District	**Site 3 – Salboni** Paschim Medinipur District	**Selected site with Justification**
			NW	the raw material source. • No R & R involved. • No economic impact as no acquisition of land is required. • No clearance of vegetation. • No impact on land use as the land is already allotted for industrial use. • Proximity to cement industry for disposal of ash – JSW Cement Limited Adjacent to plant boundary in EAST. Based on the above points the **site III,** is considered as proposed project site.
Requirement of R&R	Yes	Yes	No	
Land acquisition cost	Need to acquire land	Need to acquire land	Land is already in Possession, allotted by Govt. of West Bengal for Industry to JSW.	
Clearance of Vegetation	Need to clear 508 Ha. forest Area	Need to clear 25 Ha. forest Area	No forest land.	
Land Use Impacts	Major impact due to forest Area	Major impact due to forest Area & agricultural land	No Impact.	
Proximity to Habitation	Within Plant Site	Within Plant Site	Nitaipur ~0.05 KM NORTH	
Proximity to Cement Industries	Rashmi Cement Udyog ~12.0 KM SE	Birla Cement Corporation ~25.0 KM NORTH	JSW Cement Limited Adjacent to plant boundary in EAST	

27.3.4: Environmental site settings:

<table>
<tr><th>S. No.</th><th>Particulars</th><th>Details</th><th>Remarks</th></tr>
<tr><td>1.</td><td>Total Land</td><td>724.38 Hectare (Govt. Land)</td><td>Land use: Industrial</td></tr>
<tr><td>2.</td><td>Land use break up</td><td>
<table>
<tr><th>Particular</th><th>Area (in Ha.)</th></tr>
<tr><td>Main Plant</td><td>64.46</td></tr>
<tr><td>Coal Storage and Handling</td><td>133.61</td></tr>
<tr><td>Switchyard</td><td>19.8</td></tr>
<tr><td>Greenbelt</td><td>239.05</td></tr>
<tr><td>Water System</td><td>57.85</td></tr>
<tr><td>Water Reservoir</td><td>61.1</td></tr>
<tr><td>Misc</td><td>55.43</td></tr>
<tr><td>Ash Disposal</td><td>93.08</td></tr>
<tr><td>Total</td><td>724.38</td></tr>
</table>
</td><td>--</td></tr>
<tr><td>3.</td><td>Land acquisition details as per MoEF&CC O.M. dated 7/10/2014 & 20.02.2025</td><td>Total Land (i.e. 724.38 Ha.) is in possession of JSW Thermal Energy Limited (JSWTEL).</td><td></td></tr>
<tr><td>4.</td><td>Existence of habitation & involvement of R&R, if any.</td><td>The project is proposed to be set up on a 724.38 Hectares land area which is govt. land and is in possession of the company therefore, no Rehabilitation and Resettlement (R & R) is required.</td><td></td></tr>
<tr><td>5.</td><td>Latitude and Longitude of all corners of the project site.</td><td>A. Plant Site
<table>
<tr><th>S.No.</th><th>LATITUDE</th><th>LONGITUDE</th></tr>
<tr><td>1</td><td>22°35'34.87"N</td><td>87°15'28.27"E</td></tr>
<tr><td>2</td><td>22°35'21.58"N</td><td>87°16'26.87"E</td></tr>
<tr><td>3</td><td>22°34'31.26"N</td><td>87°16'8.67"E</td></tr>
<tr><td>4</td><td>22°34'56.13"N</td><td>87°16'49.48"E</td></tr>
<tr><td>5</td><td>22°34'56.98"N</td><td>87°17'43.74"E</td></tr>
<tr><td>6</td><td>22°34'54.69"N</td><td>87°17'49.86"E</td></tr>
<tr><td>7</td><td>22°34'49.21"N</td><td>87°17'47.01"E</td></tr>
<tr><td>8</td><td>22°34'45.73"N</td><td>87°17'49.25"E</td></tr>
<tr><td>9</td><td>22°34'44.99"N</td><td>87°17'47.97"E</td></tr>
<tr><td>10</td><td>22°34'29.71"N</td><td>87°18'1.76"E</td></tr>
<tr><td>11</td><td>22°34'31.74"N</td><td>87°18'13.19"E</td></tr>
<tr><td>12</td><td>22°34'26.07"N</td><td>87°18'13.21"E</td></tr>
<tr><td>13</td><td>22°34'26.11"N</td><td>87°18'15.71"E</td></tr>
<tr><td>14</td><td>22°34'24.79"N</td><td>87°18'15.71"E</td></tr>
<tr><td>15</td><td>22°34'24.80"N</td><td>87°18'29.40"E</td></tr>
<tr><td>16</td><td>22°34'26.04"N</td><td>87°18'29.41"E</td></tr>
</table>
</td><td></td></tr>
</table>

<table>
<tr><th>S. No.</th><th>Particulars</th><th>Details</th><th>Remarks</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td>17</td><td>22°34'26.29"N</td><td>87°19'11.54"E</td></tr>
<tr><td>18</td><td>22°34'20.76"N</td><td>87°19'11.57"E</td></tr>
<tr><td>19</td><td>22°34'19.29"N</td><td>87°16'9.83"E</td></tr>
<tr><td>20</td><td>22°33'37.05"N</td><td>87°16'9.85"E</td></tr>
<tr><td>21</td><td>22°33'58.28"N</td><td>87°15'21.26"E</td></tr>
<tr><td>22</td><td>22°34'13.92"N</td><td>87°15'38.58"E</td></tr>
<tr><td>23</td><td>22°34'32.29"N</td><td>87°15'17.95"E</td></tr>
<tr><td>24</td><td>22°34'59.35"N</td><td>87°15'29.78"E</td></tr>
<tr><td>25</td><td>22°35'3.46"N</td><td>87°15'10.46"E</td></tr>
</table>
B. Ash Pond
<table>
<tr><th>S.No.</th><th>LATITUDE</th><th>LONGITUDE</th></tr>
<tr><td>1</td><td>22°33'42.09"N</td><td>87°16'6.14"E</td></tr>
<tr><td>2</td><td>22°33'58.14"N</td><td>87°15'28.67"E</td></tr>
<tr><td>3</td><td>22°34'13.74"N</td><td>87°15'42.96"E</td></tr>
<tr><td>4</td><td>22°34'23.43"N</td><td>87°15'38.56"E</td></tr>
<tr><td>5</td><td>22°34'23.52"N</td><td>87°15'59.85"E</td></tr>
<tr><td>6</td><td>22°34'17.43"N</td><td>87°16'6.04"E</td></tr>
</table>
</td><td></td></tr>
<tr><td>6.</td><td>Elevation of the project site</td><td>• Minimum site elevation is 68 m AMSL
• Maximum site elevation is 100 m AMSL
• Average site elevation is 87 m AMSL</td><td>--</td></tr>
<tr><td>7.</td><td>Involvement of Forest land, if any.</td><td>No forest land is involved in the project.</td><td>--</td></tr>
<tr><td>8.</td><td>Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area</td><td>Project Site: No water body present within project site.
Study area:
<table>
<tr><th>S. No.</th><th>Particulars</th><th>Distance (km)</th><th>Direction</th></tr>
<tr><td>1</td><td>Pond in Salgeria*</td><td>0.35</td><td>West</td></tr>
<tr><td>2</td><td>Sundra Nadi</td><td>0.95</td><td>NNE</td></tr>
<tr><td>3</td><td>Pond in Kusumdanga*</td><td>1.30</td><td>SSW</td></tr>
<tr><td>4</td><td>Pond in Shyamchandpur*</td><td>2.0</td><td>ESE</td></tr>
<tr><td>5</td><td>Parang Nadi</td><td>2.30</td><td>SW</td></tr>
<tr><td>6</td><td>Goaltor Canal</td><td>3.0</td><td>NW</td></tr>
<tr><td>7</td><td>Tamal Nadi</td><td>5.10</td><td>ENE</td></tr>
<tr><td colspan="4">Source- SOI Toposheet and *Google Earth Imagery</td></tr>
</table>
</td><td></td></tr>
</table>

<table>
<tr><th>S. No.</th><th>Particulars</th><th>Details</th><th>Remarks</th></tr>
<tr><td>9.</td><td>Archaeological sites monuments/ historical temples etc.</td><td>None within 10 km radius of project site.</td><td>--</td></tr>
<tr><td>10.</td><td>Existence of ESZ/ ESA/ national park/wildlife sanctuary/biosphere reserve/ tiger reserve/elephant reserve etc. if any within the study area.</td><td>No National Park / Wild Life Sanctuary / Eco-Sensitive Zone / Biosphere reserve within 10 km radius of the project site boundary. List of Reserved and protected forests:
<table>
<tr><th>S. No.</th><th>Particulars</th><th>Distance (km)</th><th>Direction</th></tr>
<tr><td>1</td><td>PF*</td><td>0.05*</td><td>W</td></tr>
<tr><td>2</td><td>P.F N/v Sluire</td><td>0.98</td><td>S</td></tr>
<tr><td>3</td><td>P.F N/v Gokulpura</td><td>1.80</td><td>NNE</td></tr>
<tr><td>4</td><td>P.F N/v Pathardaha</td><td>3.30</td><td>NNW</td></tr>
<tr><td>5</td><td>P.F N/v Dakshinsol</td><td>3.50</td><td>NE</td></tr>
<tr><td>6</td><td>Salboni P.F</td><td>3.90</td><td>WSW</td></tr>
<tr><td>7</td><td>P.F N/v Bankibandh</td><td>5.07</td><td>ENE</td></tr>
<tr><td>8</td><td>P.F N/v Betkundri</td><td>5.48</td><td>SSE</td></tr>
<tr><td>9</td><td>P.F N/v Mirga</td><td>5.58</td><td>N</td></tr>
<tr><td>10</td><td>P.F</td><td>6.66</td><td>SSW</td></tr>
<tr><td>11</td><td>Lalgarh P.F</td><td>7.0</td><td>WNW</td></tr>
<tr><td>12</td><td>P.F N/v Khamarbar</td><td>7.85</td><td>NNW</td></tr>
<tr><td>13</td><td>P.F N/v Bandhgora</td><td>10.00</td><td>NW</td></tr>
<tr><td>14</td><td>P.F N/v Nayagram</td><td>10.00</td><td>SSW</td></tr>
<tr><td colspan="4">Source- SOI Toposheet and *Google Earth Imagery</td></tr>
</table></td><td>--</td></tr>
<tr><td>11.</td><td>Facility envisaged in CRZ area (Only for coastal power plant)</td><td>Not applicable</td><td>--</td></tr>
<tr><td>12.</td><td>Involvement of</td><td>• Involvement of CPA/SPA: None in project</td><td></td></tr>
</table>

S. No.	Particulars	Details	Remarks
	Critically Polluted Area/Severely Polluted area as per 2018 CEPI score	site • Proximity to CPA/SPA: No CPA/SPA as declared by CPCB lies within 10 km radius area.	

27.3.5: The unit configuration and capacity of existing and proposed project is given as below:

S. No.	Proposed power Plant configuration and capacity	Technology adopted
1.	1600 (2x800) MW	Ultra Supercritical

27.3.6: The details of the coal requirement for the proposed project along with its source and mode of transportation is given as below:

Details	Fuel requirement	Source	Distance from site (Kms)	Mode of Transportation	Coal characteristics (Worst case scenario)	Linkage document
Domestic Coal	8.58 Million MTPA	MCL – IB Valley & Talcher coal fields.	About 350 – 400 Km	By Rail	Ash content-44% Sulphur content-0.37% GCV 2900 Kcal /Kg	--

27.3.7: Water requirement: The water requirement for the proposed project is estimated as 36.50 MCM per annum which will be obtained from the Mukutmanipur Dam/ Rupnarayan River, Kolaghat. The application for drawl of surface water is submitted to WRD, Govt. of West Bengal on 07.04.2025. The water will be transported to the plant site through dedicated pipeline. The specific water consumption for the power plant will be 3.0 m^3/MWhr.

27.3.8: Power requirement: The power requirement for the proposed project is estimated as 111 MW, which will be obtained from the self-generation.

27.3.9: The details of solid and hazardous waste generation along with its mode of treatment/disposal is furnished as below:

S. No.	Waste type	Source	Quantity	Management & Disposal
I	**Solid waste (non-hazardous)**			

S. No.	Waste type	Source	Quantity	Management & Disposal
1	Fly ash	ESP	9680 TPD	Cement plants, brick/block manufacturing industries, Mine Voids, Highway Construction, export for RMC Plant etc
2	Bottom Ash	Boiler	2420 TPD	
II	**Solid waste (Hazardous as per HoW Rules, 2016)**			
1	Used / Spent Oil (Cat.)	Plant Operation	70 TPA	Registered Recyclers / Preprocessor with SPCB
2	Waste or residues containing oil (Cat.)	Plant Operation	10 TPA	Send to authorized recyclers
3	Empty Barrels/ containers/ liners contaminated with hazardous chemicals/ wastes (Cat.)	Plant Operation	10 TPA	Send to authorized recyclers
4	Spent oil Exchange resins containing toxic metals (Cat.)	Plant Operation	10 TPA	Captive incineration in boiler as per SOP issued by CPCB
III	MSW	Domestic activities	365 TPA	Inorganic will be disposed via local municipal authorized vendor & Organic/Biodegradable waste by OWC.
IV	Sludge (dry) from water treatment	CPU / ETP	10 TPA	TSDF
V	Sludge (dry) from STP	STP	2 TPA	Used as manure within plant premises

27.3.10: Cost of project: The capital cost of the proposed project is Rs. 14,070 Crores and the capital cost for environmental protection measures is proposed as Rs 4112.5 Crores. The annual recurring cost towards the environmental protection measures is proposed as Rs. 411.0 Crores. The employment generation from the proposed expansion project is 6584 (Construction Phase: 4124, Operation phase: 2460).

27.3.11: Green belt development: Proposed greenbelt will be developed in 239.05 ha which is about 33% of the total project area. A 50 m wide greenbelt, consisting of at least 3 tiers around plant boundary will be developed as greenbelt and green cover as per CPCB guidelines. Local and native species will be planted with a density of 2500 trees per hectare. Total no. of 597625 saplings will be planted and nurtured in 239.05 hectares in 5 years.

27.3.12: Ash management:

Ash Pond details- JSWTEL has proposed an ash pond, details of which are given below:

S. No.	Details of Ash pond	Ash pond
1.	Area (Ha)	93.08
2.	Dyke height (m)	10.0
3.	Volume (m^3)	93,08,000
4.	Quantity of ash to be disposed (Metric Tons)	74,46,400
5.	Expected life of ash pond (number of years and months)	25 Years
6.	Type lining carried in ash pond: HDPE lining of LDPE lining or clay lining or No lining	HDPE with PCC
7.	Mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD).	Wet slurry (HCSD for Fly ash and LCSD for Bottom Ash)
8.	Ratio of ash: water in slurry mix (1:___):	1 : 2.33
9.	Ash water recycling system (AWRS): Yes or No	Yes
10.	Quantity of wastewater from ash pond to be discharged into land or water body (m^3)	Nil

27.3.13 Baseline data collection: March 2025 to May 2025

Baseline Data Collection Period: March 2025 to May 2025				
Sl. No.	**Attributes**	**Sampling**		**Remarks**
		No. of Stations	**Frequency**	
A.	**AIR ENVIRONMENT**			
A-1	Meteorological Parameters: Wind speed, Wind direction, Relative Humidity, Rainfall, Solar radiation and Cloud Cover	1 location	Hourly	Met data logger at site Secondary data (Surface Data) from nearest IMD Station, Mednapur in Paschim Medinipur.
A-2	All National Ambient Air Quality Standards (NAAQS) Parameters including Mercury (Hg): PM_{10}, $PM_{2.5}$, SO_2, NO_2, O_3, CO, Pb, C_6H_6, NH_3, BaP, As, Ni & Hg.	11 Stations	24 hourly data, twice a week	**Measurement Methods**: As per NAAQS, 2009 by CPCB.
B.	**NOISE ENVIRONMENT**			
B-1	Hourly equivalent noise levels of Day and Night	11 Stations	One time sampling for 24 hours	Min: IS: 4954- 1968 as adopted by CPCB
C.	**WATER ENVIRONMENT**			

Baseline Data Collection Period: March 2025 to May 2025				
Sl. No.	**Attributes**	**Sampling**		**Remarks**
		No. of Stations	**Frequency**	
C-1	**Parameters for Ground water quality:** Physical parameters – (pH, temp, colour, turbidity, odour, taste, TDS), Chemical parameters - (Total hardness, calcium, total alkalinity, chloride, magnesium, sulphate, fluoride, nitrate, iron, boron, chromium, Heavy metals like Hg, As, Pb, Ni, Mn, Cd) & microbiological parameters – (Total coliforms, E-coli) etc.	15 Locations	One time sampling.	Samples for water quality testing will be collected and analyzed as per IS: 10500. Pond and ground water quality (10 locations within 2 km radius of the plant boundary).
	For Surface Water Bodies: Physical parameters – (pH, temp, colour, turbidity, odour, taste), Chemical parameters - (Total hardness, calcium, total alkalinity, chloride, magnesium, TDS, sulphate, fluoride, nitrate, iron, aluminium, boron, chromium, conductivity, BOD, COD, DO, TSS, Heavy metals like Hg, As, Pb, Ni, Mn, Cd) &	7 Locations	One time sampling.	Pond and ground water quality (10 locations within 2 km radius of the plant boundary).

Baseline Data Collection Period: March 2025 to May 2025				
Sl. No.	**Attributes**	**Sampling**		**Remarks**
		No. of Stations	**Frequency**	
	microbiological parameters – (Total coliforms, faecal coliforms) etc.			
D	**TRAFFIC VOLUME STUDY**			
D-1	**Traffic Assessment:** Collection of 24 Hours data for day and night / Level of Service (LOS) as per Indian Road Congress (IRC) codes.	01 Location	24 Hr. Data for one month	Traffic study for at least one month
E	**LAND ENVIRONMENT**			
E-1	**Soil Quality:** Particle size distribution; Texture, pH, Electrical conductivity, cation exchange capacity (CEC), Alkali metals, Sodium Absorption Ratio (SAR), Permeability, Porosity, available nitrogen, available phosphorous, potassium, heavy metals like – As, Hg etc.	11 Locations	One time sampling.	Soil samples be collected as per BIS specifications in the study area
E-2	**Land use / Landscape**: Location code, Total project area, Topography, Drainage (natural) Cultivated, forest plantations, water bodies, roads and settlements	10 kms radius	One Time	Satellite imagery and authenticated topo sheet indicating drainage, cropping pattern, water bodies (wetland, river system, stream, nallahs, ponds etc.), location of nearest habitations (villages), creeks, mangroves, rivers, reservoirs etc.
F	**BIOLOGICAL ENVIRONMENT**			

Baseline Data Collection Period: March 2025 to May 2025				
Sl. No.	**Attributes**	**Sampling**		**Remarks**
		No. of Stations	**Frequency**	
F-1	**Aquatic:** Primary productivity, Enumeration of phytoplankton, zooplankton Fisheries Diversity indices Trophic levels, Rare and endangered species, etc.	Samples to collect from nearby tributaries at downstream, and also from dug wells close to activity site	During the Study	One season sampling for aquatic biota.
F-2	**Terrestrial:** Vegetation – species, list, economic importance, forest produce, medicinal value Importance value index (IVI) of trees and wild animals	Considering probable impact, sampling points and number of samples to be decided on established guidelines on ecological studies based on site eco-environment setting within 10 km radius from the proposed site.	One Time	One season for terrestrial biota. Preliminary assessment. Application of indices, viz. Shannon, similarity, dominance IVI etc. Point quarter plot-less method (random sampling) for terrestrial vegetation survey.
	Fauna: Rare and endangered species Sanctuaries / National park / Biosphere reserve. Listing of birds, mammals, reptiles, amphibians etc.	For forest studies, chronic as well as short- term impacts will be analysed warranting data on	One Time	Field binocular

Baseline Data Collection Period: March 2025 to May 2025				
Sl. No.	**Attributes**	**Sampling**		**Remarks**
		No. of Stations	**Frequency**	
		micro climate conditions.		
G	**SOCIO-ECONOMIC**			
G-1	Demographic structure Infrastructure resource based	Socio-economic survey	-	Community/Village Level survey based on personal interviews and questionnaire within 10 KM radius of project site.
H	**HYDRO-GEOLOGICAL STUDY**			
H-1	Hydro-geological study of the area will be carried out through an institute/ organization of repute to assess the impact on ground and surface water regimes. Specific mitigation measures will be spelt out and time bound Action Plan for its implementation will be submitted.			
I	**ECOLOGICAL ASSESSMENT OF WATER SOURCE**			
I-1	Detailed Studies on the impacts of the ecology including fisheries of the River/Estuary/Sea due to the proposed withdrawal of water / discharge of treated wastewater into the River/Sea etc.			
J	**WATER SOURCE SUSTAINABILITY STUDY**			
J-1	Source of water and its sustainability even in lean season shall be provided along with details of ecological impacts arising out of withdrawal of water and taking into account inter-state shares (if any). Information on other competing sources downstream of the proposed project and commitment regarding availability of requisite quantity of water from the Competent Authority shall be provided along with letter / document stating firm allocation of water.			
K	**ECOLOGY & BIODIVERSITY STUDY**			
K-1	Biodiversity analysis of the project site and study area shall be done through any reputed Government institutions. The study report shall inter-alia include impact of release of cooling tower water on aquatic life and action plan for complying with the mitigation measures shall be submitted.			
L	**SOCIO-ECONOMIC STUDY**			
L-1	Socio-economic study of the study area comprising of 10 km from the plant site shall be carried out through a reputed institute / agency which shall consist of detail assessment of the impact on livelihood of the local communities.			
M	**LAND USE & LAND COVER STUDY**			
M-1	A detailed study on land use pattern in the study area shall be carried out including identification of common property resources (such as grazing and community land, water resources etc.) available and Action Plan for its protection and management shall be formulated. If acquisition of grazing land is involved, it shall be ensured that an equal area of grazing land be acquired and developed and detailed plan submitted.			

27.3.14: Summary of violation under EIA, 2006/court case/show cause/direction if any, related to the project under consideration: Nil

B. **Summary of Show Cause Notices:** Nil

C. **Summary of violation: There is no violation cases under t**he Environmental Protection Act, 1986, Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 and the Wildlife (Protection) Act, 1972

27.3.15: Written submission: Project proponent submitted the following written submissions during the meeting:

<table>
<tr><th>S.No.</th><th>Details</th><th>Written submission</th></tr>
<tr><td>1</td><td>PP needs to submit bifurcation of the total land area given in EC dated 19.02.2008.</td><td>As per EC dated 19.02.2008, about 2023 Ha. (5000 Acres) of non-forest govt. waste and private land was allocated for Integrated Steel Plant (3.0 MTPA) and Captive Power Plant (300 MW). The same land area was optimized to 1754 Ha. (4335 Acres) as per ECs dated 03.09.2012.
The bifurcation of 1754 Ha. (4335 Acres) land is given below:-
<table>
<tr><td>Purpose</td><td>Area(ha)</td><td>Status</td></tr>
<tr><td>Cement Grinding Unit</td><td>53.9</td><td>Existing</td></tr>
<tr><td>Township</td><td>12.14</td><td>Existing</td></tr>
<tr><td>Salboni TPP</td><td>724.38</td><td>Proposed</td></tr>
<tr><td>Industrial Park</td><td>963.58</td><td>Proposed</td></tr>
<tr><td>Total</td><td>1754 ha</td><td></td></tr>
</table>
</td></tr>
<tr><td>2.</td><td>Submit land agreement for the part of total area to be used for proposed Salboni TPP</td><td>The entire land is in possession of the JSW Bengal Steel Limited. Undertaking from JSW Bengal Steel Limited for transfer of 724.38 ha land to JSW Thermal Energy Limited for proposed Salboni TPP.</td></tr>
<tr><td>3.</td><td>Submit detailed greenbelt plan.</td><td>The green belt will be developed in an area of about 239.05 Ha in which 5,97,625 nos. of saplings will be planted. Detailed greenbelt plan is submitted</td></tr>
<tr><td>4</td><td>PP shall reduce the ash pond and submit revised plant layout.</td><td>The ash pond area is optimized and reduced to 93.08 Ha from 107.24 Ha. The revised plant layout is submitted</td></tr>
<tr><td>5</td><td>Submit letter from DFO regarding no involvement of forest land and distance from nearest protected area.</td><td>Copy of letter from DFO, Medinipur Division, vide letter no.-2987/8F-32 dated 01.07.2025 has been submitted.</td></tr>
<tr><td>6</td><td>Submit details of pond near Salgeria village.</td><td>The Pond near Salgeria village is about 350 m away from plant boundary in west direction and is about 0.20 Ha in area. The</td></tr>
</table>

S.No.	Details	Written submission
		pond is being used for agriculture purpose.
7	PP shall explore the possibility for use of air-cooled condensers instead of water-cooled condensers.	We are exploring feasibility of air-cooled condensers for the proposed TPP and details of the same will be submitted with Final EIA Report.
8	PP shall explore the possibility for using CSTP (Common Sewage Treatment Plant) treated water to reduce fresh water demand.	We are exploring feasibility of using treated water from nearest common STP in close coordination with local municipal and details of the same will be submit with Final EIA report.

Observations and deliberation of the EAC

27.3.16: The Committee observed and noted the following:

i. Instant proposal is for greenfield project of 2x800 MW Coal Based Ultra Super Critical Thermal Power Plant at Villages Nitaipur & Salboni, Tehsil Salboni, District Paschim Medinipur, West Bengal by M/s. JSW Thermal Energy Limited (JSWTEL).

ii. The committee deliberated on the alternate sites considered by the proponent and noted that they have selected Site 3 – Salboni, Paschim Medinipur District.

iii. EAC noted that for the site mentioned above, PP already obtained EC for setting up of steel plant and CPP on 19/02/2008 in an area of 2023 Ha. However, the project could not be implemented within the validity period of the EC and the same got lapsed on 18/02/2013. The said land was optimized to 1754 Ha. The breakup of 1754 Ha is given as below:

Purpose	Area(ha)	Status
Cement Grinding Unit	53.9	Existing
Township	12.14	Existing
Salboni TPP	724.38	Proposed
Industrial Park	963.58	Proposed
Total	1754 ha	

iv. There is no involvement of forest land in the proposed project.

v. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site as ascertained from DSS.

vi. The project site is not located within the Critically Polluted Area (CPA) / Severally Polluted Area (SPA) as per CEPI assessment 2018 of CPCB.

vii. The nearest pond is located at distance of 350 m (W) from the project site and nearest water body is Sundra at a distance of 950 m (NNE) and PP informed that the said river is seasonal for which EAC asked the proponent to submit the certificate from the irrigation

department as per MoEF&CC O.M. dated 14/02/2022. It is suggested to locate the ash pond away from the nearest water pond located at a distance of 350 m (W).

viii. Coal requirement for proposed project will be met through Rail. There will be no road transportation of coal for proposed project.

ix. The water requirement for the proposed project is estimated as 36.50 MCM/Annum, which will be obtained from the Mukutmanipur Dam/ Rupnarayan River, Kolaghat. The application for drawl of surface water is submitted to WRD, Govt. of West Bengal on 07.04.2025. The water will be transported to the plant site through dedicated pipeline. The specific water consumption for the power plant will be 3.0 m^3/MWhr. EAC desired PP to explore the feasibility of air cooled condenser to reduce the freshwater consumption for the proposed project.

x. The power requirement for the proposed project is estimated as 111 MW, which will be obtained from the self-generation.

xi. The proposed units (2x800 MW) will incorporate high-efficiency (with 99.99%) Electrostatic Precipitators (ESP) to control particulate matter.

xii. The EAC deliberated on proposed ash generation and management plan and asked PP to opt study for reduction in ash pond area with maximum utilization of ash by the nearby Cement Plants of Dalmia Group, Jindal Group and Haldia Group. PP shall also opt dry bottom ash collection system to reduce water consumption. EAC also directed PP to propose the ash pond away from the Saloni water pond and habitation.

xiii. The capital cost of the proposed project is Rs. 14,070 Crores and the capital cost for environmental protection measures is proposed as Rs 4112.5 Crores. The annual recurring cost towards the environmental protection measures is proposed as Rs. 411.0 Crores. The employment generation from the proposed expansion project is 6584 (Construction Phase: 4124, Operation phase: 2460).

xiv. Proposed greenbelt shall be developed in 239.05 ha which is about 33% of the total plant area. EAC deliberated and asked the PP to the plantation in this monsoon season with thickened greenbelt towards the villages and submit phase-wise prospective plan for 3000 lakhs plantation as proposed.

xv. EAC noted that there is dense vegetation in the northwest direction of the proposed project site for which NOC shall be obtained from DFO for clearing the vegetation. PP shall also submit the drone video of entire with emphasis on the green cover along with proposed plan for the vegetation during construction and operation of the project.

xvi. EAC opined that there should be a site visit by the Sub-committee of EAC to see the various environmental issues pertaining to the instant project before consideration of EC proposal.

xvii. The EAC also deliberated on the written submissions of the project proponent and found it satisfactory.

Recommendations of the Committee:

27.3.17: The EAC after detailed deliberations on the information submitted and as presented during the meeting ***recommended*** the proposal for grant of ToR for conducting an EIA study for the above project **subject to uploading of written submission** on PARIVESH Portal under the provisions of the EIA Notification, 2006, as amended along with the following specific ToR in addition to the generic ToRs.

[A] Environmental Management and Biodiversity Conservation

i. Project Proponent shall explore the feasibility of using treated sewage from Sewage Treatment Plants located within 50 km radius of the proposed project as an alternative to the fresh water source to minimize the fresh water drawl from surface water bodies. Action plan in this regard shall be submitted.

ii. Project proponent shall explore the feasibility of using air cooled condenser in place of water cooled condenser and details shall be incorporated in the final EIA/EMP report.

iii. Project proponent shall optimize the land requirement for the proposed ash pond and design details of the same shall submitted in the EIA/EMP report.

iv. A Cumulative Environmental Impact Assessment study of all the existing and proposed projects in the 10-km radius of the proposed project shall be conducted and the same shall be included the in EIA/EMP report. Details of industrial units present in 10 Km radius of the power plant shall be earmarked in map and submitted.

v. Certificate from concerned District Magistrate/Executive Engineer from the State Water Resources department (or) any officer authorized by the State Government in this regard shall be submitted stating that project site is not located within flood plain corresponding to one in 25 years of flood as per Ministry's O.M. dated 14/02/2022.

vi. All the parameters as mentioned in the National Ambient Air Quality Standards (NAAQS) shall be monitored by the project proponent.

vii. Project proponent shall also obtain recommendations from the State Forest department regarding the impact of project on the nearby Reserved Forests, if any, along with the mitigation measures to be followed.

viii. EIA/EMP study shall take in to consideration the different scenarios arising due to change of coal source, impact on environmental attributes due to change of coal source along with corresponding mitigation measures with EMP budget shall be submitted.

ix. Biodiversity analysis of the project site and study area shall be done through any NABET accredited consultant. The study report shall inter-alia include impact of release of cooling tower water on aquatic life and action plan for complying with the mitigation measures shall be submitted.

x. Project proponent shall commission a study on Hydrology and Hydrogeology of the project site as well as the study area of the project site through a NABET

accredited consultant. The study report along with the action plan for implementing the recommendations of the report shall be submitted along with the EIA/EMP report.

xi. Radioactivity studies along with coal analysis to be provided (sulphur, ash percentage and heavy metals including Pb, Cr, As and Hg). Details of auxiliary fuel, if any including its quantity, quality, storage, etc should also be given.

xii. PP should submit the detailed plan in tabular format (year-wise) for concurrent afforestation and green belt development in and around the project site covering 33 % of the project area. The PP should submit the number of saplings to be planted, names of native species, area to be covered under afforestation & green belt, location of plantation, target for survival rate and budget earmarked for the afforestation & green belt development. The capital and recurring expenditure to be incurred needs to be submitted. Plantation plan should be prepared in such a way that 80% of the plantation to be carried out in first 5 years and for the remaining years the proposal for gap filling. The seedling should be of native and few fruit bearing species mainly, of height not less than 2 meters to be selected and accordingly cost of plantation needs to be decided.

xiii. Action plan for development of three-tier plantation programme (33 % of total project cover area) along the periphery of the project boundary and the coal transportation route shall be provided. PP shall submit concurrent plantation plan.

xiv. Detailed action plan shall be prepared for maintenance of air pollution control equipment for proposed units and shall be incorporated in the EIA/EMP report.

xv. Details of Ash management plan as per MoEF&CC notification dated 31/12/2021 & its subsequent amendment for the proposed project shall be submitted. MoU signed for ash utilization with companies shall be submitted.

xvi. Action plan for dry ash collection system (Bottom ash and Fly ash) shall be submitted.

xvii. Action plan for disposal of ash through High Concentration Slurry Disposal (only in emergency conditions) shall be submitted.

xviii. Proper protection measures like high-density polyethylene (HDPE) lining, appropriate height of bund and adequate distance between the proposed Ash pond and water body (minimum 60 meters) etc. shall be planned to reduce the possibility of mixing leachate with any freshwater body for ash pond. A high-density Slurry disposal plan shall be prepared.

xix. Pond and ground water quality (10 locations within 2 km radius of the plant boundary) shall be studied and report be submitted along with EIA/EMP. Action plan for Ground water monitoring stations on all hotspots like schools/hospitals within 2 km radius of the plant boundary be submitted. Baseline Study for Heavy metals in Groundwater, Surface water and soil to be carried out and incorporated in EIA/EMP report.

xx. Details pertaining to water source, treatment and discharge should be provided.

xxi. PP shall provide the details of wastewater treatment facilities to be installed within its capacity, timeline and budget.

xxii. Project Proponent to conduct Environmental Cost Benefit Analysis for the project in EIA/EMP Report.

xxiii. An action plan shall be prepared for Water shed development within 10 km radius of the plant boundary in consultation with reputed government institution and incorporated in EIA/EMP report.

xxiv. PP should clearly bring out that what is the specific diesel consumption ~ (Liters/Tonne of total material handled) and steps to be taken for reduction of the same. The year-wise target for reduction in the specific diesel consumption needs to be submitted. PP shall also explore the possibility of using e-vehicles/LNG/CNG-based machinery and trucks for the operation and transportation of Coal and ash and submit an implementation strategy.

xxv. PP shall provide the details of transportation of fly ash from the plant, transportation route etc. Further, carry out a traffic study for at least one month and provide the impact of transportation along with the mitigation measures.

xxvi. PP shall submit the action plan to adhere to the Plastic Waste Management Rules 2016 and to adhere Ministry's OM dated 18/07/2022.

xxvii. Details on renewable energy (solar plant) proposed to be installed as energy conservation measures shall be submitted.

xxviii. The input parameters for the AAQ modelling and the influence of various combinations of these on the AAQ must be reported in the EIA/EMP Report. In addition to the Wind Rose diagram collected for one season during the preparation of the E.I.A., wind rose diagram for all seasons must be provided using secondary data from sources such as IMD/CPCB etc.

xxix. Project proponent shall take all necessary steps to control the Air Quality and take additional mitigation measures for proposed TPP to maintain the Ambient Air Quality values within the limits. The action plan regarding maintaining ambient quality standards (Time weighted average for 24 hours and Annual both) be submitted. Further, project proponent shall submit an undertaking to abide by the provisions of the notification number G.S.R 465 (E) dated 11/07/2025 related to FGD, as amended, and any subsequent amendment there of pursuant to the outcome of study carried out by CPCB in this regard.

xxx. PP shall carryout additional Air quality monitoring of three additional locations and the same shall be incorporated in the EIA/EMP report.

xxxi. Details of air pollution control devices to be installed in the proposed 1x800 MW TPP along with its maintenance schedule shall be incorporated in EIA/EMP report.

xxxii. Carbon emission due to TPP and allied carbon sequestration/ carbon offsetting plan be submitted.

xxxiii. 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.

[B] Disaster Management

i. A Disaster Management Plan shall be prepared and incorporated in the EIA/EMP report.

[C] Socio-economic Study

i. Public Health Action Plan including the provisions for drinking water supply for the

local population shall be in the EIA/EMP Report. The status of the existing medical facilities in the project area shall be discussed. Possibilities of strengthening of existing medical facilities, construction of new medical infrastructure etc. will be explored after assessing the needs of the labour force and local populace.

ii. Public consultation (Public Hearing and Written submission) shall be conducted as per the provisions of EIA Notification, 2006 and as amended. As per the Ministry's OM dated 30.09.2020, to address the concern raised during the Public Hearing, the Project Proponent is required to submit the detailed activities proposed with year-wise budgetary provision (Capital and recurring) for 5 years. Activities proposed shall be part of EMP. Tentative no. of project affected families (if any) shall be identified and accordingly appropriate Rehabilitation &Resettlement plan shall be prepared. The recommendation Socio-economic study may also be considered while planning the activities & budget.

iii. A need based Social Impact Assessment Study shall also be carried out and an action plan on its recommendations may also be submitted with budgetary provisions.

iv. Demographic details and land use change details in 10 km area shall be submitted.

[D] Miscellaneous

i. Plot the wind rose diagram using the typical meteorological year (TMY) data for the period considered for the study. The monitoring units shall be deployed in the field based on the coverage area ratio and direction of the wind. A mathematical model shall be developed for the local site rather than using the standard model available in software for both air & water quality modeling.

ii. PP shall align its activities to one/few of the Sustainable Development Goals (SDG) and start working on the mission of net zero by 2050. PPs shall update the same to the EAC.

iii. PP shall submit the EIA/EMP report after the plagiarism check using authenticated plagiarism software.

iv. Detailed description of all the court cases along with its current status shall be submitted.

v. PP should provide in the EIA Report details of all the statutory clearances, permissions, no objection certificates, consents etc. obtained for this project under various Acts, Rules and regulations shall be submitted. Further, all the permissions/MoUs obtained for this project shall be revalidated and submitted along with the EIA/EMP report.

vi. The PP should submit the photograph of monitoring stations & sampling locations. The photograph should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this PP should submit the original test reports and certificates of the labs, which will analyze the samples.

vii. PP should clearly bring out the details of the manpower to be engaged for this project with their roles /responsibilities/designations. In addition to this PP should

mention the number and designation of persons to be engaged for the implementation of environmental management plan (EMP). The capital and recurring expenditure to be incurred needs to be submitted.

viii. PP should submit the year-wise, activity wise and time-bound budget earmarked for EMP, occupational health surveillance, and activities proposed to address the issues raised during Public Hearing. The capital and recurring expenditure to be incurred needs to be submitted.

ix. Activities shall be prepared based on the issues arise during public hearing conducted and fresh written submission with defined timeline and budgetary provisions.

x. Aerial view video of project site and coal transportation route proposed for this project shall be recorded through drone and be submitted.

xi. The PP should ensure that only NABET-accredited consultants shall be engaged for the preparation of EIA/EMP Reports. PP shall ensure that the accreditation of the consultant is valid during the collection of baseline data, preparation of EIA/EMP report and the appraisal process. The PP and consultant should submit an undertaking the information and data provided in the EIA Report and submitted to the Ministry are factually correct and the PP and consultant are fully accountable for the same.

xii. PP should provide in the EIA Report details of the statutory clearances, permissions, no objection certificates, consents etc. required for this project under various Acts, Rules and regulations and their status or estimated timeline after the grant of EC.

xiii. All the certificates viz. involvement of Forestland, distance from the protected area, and list of flora & fauna should be duly authenticated by the Forest Department. The Certificate should bear the name, designation, official seal of the person signing the certificate and dispatch number.

xiv. The findings of the subcommittee report shall be incorporated in the final EIA/EMP report.

Agenda 27.4

27.4: 2×500 MW Tuticorin thermal Power Project, District Tuticorin, Tamil Nadu - **Transfer of Environmental Clearance dated 13/06/2007 from M/s Neyveli Lignite Corporation Limited to M/s NLC Tamil Nadu Power Limited as per MoEF&CC O.M. dated 03/11/2023 & 19/02/2025 -regarding.**

[Proposal No. IA/TN/THE/483612/2024, F.No. J-13012/68/2006-IA-II(T)]

27.4.1: M/s. NLC Tamil Nadu Power Limited has made online application vide proposal no. IA/TN/THE/483612/2024 dated 27/06/2024 along with Form - 7 seeking for transfer of Environmental Clearance accorded by the Ministry vide letter no. J-13012/68/2006-IA-II(T)

dated 13/06/2007 and its subsequent EC validity extension letter dated 11/01/2013 from M/s Neyveli Lignite Corporation Limited to M/s NLC Tamil Nadu Power Limited under the provisions of the EIA Notification, 2006.

27.4.2: The details of the EC transfer proposal is given as below:

i. MoEF&CC accorded EC in the name of M/s. Neyveli Lignite Corporation Limited vide letter no. J-13012/68/2006-IA-II(T) dated 13/06/2007 for setting up of "2x500MW Tuticorin Thermal Power Project, District Tuticorin, Tamil Nadu". Subsequently, MoEF&CC vide letter dated 11/01/2013, MoEF&CC extended the validity of the EC dated 13/06/2007 till 12/06/2017.

ii. Meanwhile, NLC India Limited (NLCIL) erstwhile Neyveli Lignite Corporation Limited (NLC) and Tamil Nadu Generation & Distribution Corporation Limited (TANGEDCO) set up a joint venture company namely M/s. NLC Tamilnadu Power Limited to implement the above mentioned project. The equity participation of the NLC India Limited and TANGEDCO is of the ratio 89:11.

iii. Certificate for commencement of business for M/s. NLC Tamilnadu Power Limited was obtained on 18/11/2005 and Certificate of Incorporation for M/s. NLC Tamilnadu Power Limited was obtained on 27/11/2005. However, proponent failed to transfer the EC dated 13/06/2007 and its subsequent EC validity extension letter 11/01/2013 in the name of M/s. NLC Tamilnadu Power Limited.

iv. Meanwhile, 2x500MW Tuticorin Thermal Power Project got implemented in the name of M/s. NLC Tamilnadu Power Limited. The requisite consent from TNPCB was obtained in the name of M/s. NLC Tamilnadu Power Limited and EC was remain in the name of M/s. Neyveli Lignite Corporation Limited.

v. Ministry vide O.M. dated 03/11/2023 directed all the project proponents who have not yet applied till date for transfer of EC as per the provisions of EIA Notification 2006, even after one year from the date of change in ownership and/or change in name of the Company, shall apply for the same within a period of 6 months from the date of issue of this Office Memorandum, and the same shall not be considered as non-compliance of EC condition. In case of time limit is more than 6 months, considered as a non-compliance of EC condition and action shall be initiated on the project proponent as per the existing rules. The said O.M. was further amended on 19/02/2025, wherein following procedure was delineated to deal with the non-compliance of EC condition:

   Step 1: The Project proponent shall apply on PARIVESH portal with the detailed justification for the delay in applying for transfer of EC, after a period of twenty-four months.

   Step 2: The concerned Member Secretary shall obtain the Certified Compliance Report (CCR) for the project from the concerned Regional Office of the Ministry.

   Step 3: The proposal and the justification along with the CCR shall be referred to the concerned sectoral EAC or SEAC as the case may be. The Committee shall check the status of compliance and the justification provided for the delay in applying for the transfer of EC and give its recommendations on condonation of delay or otherwise.

   Step 4: In cases where the committee has recommended for the condonation of delay, the

file shall be processed for transfer of EC with condonation of delay by the Hon'ble Minister for Environment Forest and Climate Change at the central level and the concerned Chairman, SEIAA at the State level.

vi. Proponent vide proposal no. IA/TN/THE/483612/2024 dated 27/06/2024 applied for transfer of EC dated 13/06/2007 from M/s Neyveli Lignite Corporation Limited to M/s NLC Tamil Nadu Power Limited which was beyond the timeframe of six months i.e., 03/05/2024 as per O.M. dated 03/11/2023. In view of this, proponent was asked to submit the certified compliance report and justification for delay in applying for the transfer of EC.

vii. Proponent submitted the certified compliance report and justification for delay in applying for the transfer of EC on 21/06/2025. Proposal was placed before the EAC consideration in its meeting held on 08/07/2025 under Additional agenda item.

viii. M/s NLC Tamil Nadu Power Limited made a presentation before the Committee by submitting the following:

A. Compliance status to the conditions prescribed in the EC dated 13/06/2007

Certified Compliance Report (CCR) was issued from the Regional Office, MoEF&CC, Chennai on 17/06/2025. As per the report, all the conditions prescribed in the EC are being complied.

B. Details of the EC transfer

S. No.	Points	Details
1.	Date of submission of Application	27/06/2024
2.	Name of the transferor	M/s. Neyveli Lignite Corporation Ltd
3.	Corporate Identification Number (CIN) of the transferor, if applicable	L93090TN1956GOI003507
4.	Name of the transferee	NLC Tamil Nadu Power Limited
5.	Corporate Identification Number (CIN) of the transferee	U40102TN2005GOI058050
6.	Date of transfer/acquisition/ demerger/change in name/ change in ownership etc.	18/11/2005 (Prior to the grant of EC)
7.	Reasons for transfer of EC	NLC India Limited (NLCIL) erstwhile Neyveli Lignite Corporation Limited (NLC) and Tamil Nadu Generation & Distribution Corporation Limited (TANGEDCO) set up a joint venture company namely M/s. NLC Tamilnadu Power Limited to implement the above mentioned project. The equity participation of the NLC India Limited and TANGEDCO is of the ratio 89:11.
8.	Whether the EC transfer proposal	Yes

S. No.	Points	Details
	involves change of ownership (Yes/No)	
9.	Status of implementation of EC	Implemented
10.	NOC by transferor as per para 11 of EIA Notification, 2006	NOC submitted
11.	Undertaking by transferee by way of an affidavit in a non-judicial stamp paper as per para 11 of EIA Notification, 2006	Undertaking submitted
12.	Whether the proposal submitted within the prescribed timelines in terms of OM dated 03.11.2023 i.e., Within 6 months window period in terms of para 10 of the OM dated 03.11.2023	No. NTPL inadvertently failed to apply during the stipulated time period.

C. Justification for condonation of delay: NTPL inadvertently failed to apply during the stipulated time period.

27.4.3: Summary of court cases: Nil

27.4.4: Summary of Show Cause Notices (last two years): Nil

Observation and deliberations of the Committee

27.4.5: The Committee noted the following:

i. Instant proposal is for transfer of Environmental Clearance accorded by the Ministry vide letter no. J-13012/68/2006-IA-II(T) dated 13/06/2007 and its subsequent EC validity extension letter dated 11/01/2013 from M/s Neyveli Lignite Corporation Limited to M/s NLC Tamil Nadu Power Limited under the provisions of the EIA Notification, 2006.

ii. Proposal was referred to EAC by the Ministry in accordance with the MoEF&CC OM dated 19/02/2025.

iii. The Committee deliberated on the CCR dated 17/06/2025 and observed that all the conditions prescribed in the EC dated 13/06/2007 and its subsequent amendment are being complied with.

iv. Committee noted that reasons delay in submission of EC transfer application was NTPL was inadvertently failed to apply during the stipulated time period as per MoEF&CC O.M. dated 03/11/2023.

Recommendations of the Committee

27.4.7: In view of the foregoing and after detailed deliberations, the Committee recommend for the condonation of delay and file shall be processed as per MoEF&CC O.M. dated 19/02/2025.

e-KYC
CAF
DSS
e-Processing
e-Payments
e-Compliance
KYA
PARIVESH
CPC GREEN

ANNEXURE-I

LIST OF PARTICIPANTS OF EAC (THERMAL) IN 27th MEETING HELD ON 8TH JULY, 2025 THROUGH VIRTUAL MODE

S. No.	Name & Address	Role	Remarks
1.	Shri Inder Pal Singh Matharu, (I.F.S. Retd.)	Chairman	Present
2.	Shri Lalit Kapur	Member	Present
3.	Dr. Umesh Jagannathrao Kahalekar	Member	Present
4.	Dr. Santosh Kumar Hampannavar	Member	Present
5.	Shri Savalge Chandrasekhar	Member	Present
6.	Shri K. B. Biswas	Member	Present
7.	Prof. Shyam Shanker Singh	Member	Present
8.	Dr. Vinod Agrawal	Member	Present
10.	Shri Mahi Pal Singh, Chief Engineer	Representative of Central Electricity Authority (CEA)	Present
11.	Shri Harmeet Sawhney, Scientist 'E'	Representative of Indian Meteorological Department (IMD)	Absent
12.	Prof. R M Bhattacharjee	Representative of IIT/ISM Dhanbad	Absent
13.	Shri Prasoon Gargava, Scientist 'F'	Representative of Central Pollution Control Board	Present
13.	Shri Sundar Ramanathan	Scientist 'F' & Member Secretary	Present
14.	Dr. Rajesh Prasad Rastogi	Scientist 'D'	Present

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ANNEXURE-II

APPROVAL OF CHAIRMAN – EAC

Re: FINAL MOM OF 27 EAC THERMAL HELD ON 08/07/2025

Inderpal Singh Matharu
1:39 PM INBOX
Sundar Ramanathan , RAJESH PRASAD RASTOGI

Warning: Possible spam
The email has been sent from an external organization. Be alert when clicking any links, downloading attachments or sending sensitive information to this sender.

Dear Sundar ji,
I have gone through the final draft MoM of the 27th EAC- Thermal held on 8/07/2025 sent by you. In this all the points have been incorporated including the comments of Mr.Umesh sir and other amendments done in Zero draft of it. I agree with the above Final draft of MoM.
Hence I approve the final MoM of the 27th EAC- Thermal .

Sincerely yours

Inder Pal Singh Matharu
Chairman
EAC Coal mining and Thermal power
MoEF&CC
GoI

On Wed, Jul 16, 2025 at 12:45 PM Sundar Ramanathan <r.sundar@nic.in> wrote:

FINAL MOM 27 EAC THERMAL 8 JU… .doc
372 KB