



Powering Tamil Nadu's Progress...

From
Er.K.Subash Chandra Bose, M.E.,
Chief Engineer/Projects-I,
TANGEDCO (A Successor entity of TNEB),
5th Floor Western Wing, NPKRR Maaligai,
144, Anna Salai, Chennai – 2

To
The Director,
Ministry of Environment, Forests & Climate Change,
IA Division (Thermal)
Vayu 303, Indira Paryavaran Bhawan,
Jor Bagh Road, Aliganj,
New Delhi-110 003

Kind attention: Dr.S.Kerketta, Director

Lr.No.SE/C/P&E/EE/EMC/F.ETPS Expansion TPP/D.282/18, dt.25.10.18

Sir,

Sub: TANGEDCO – Ennore Thermal Power Project Expansion (Annex)
(1x660 MW)– Environmental and CRZ Clearance – Fresh Terms of
Reference- Requested

Ref: 1) CRZ clearance vide MOEF/GOI's Lr.No.11-100/2008-IA-III,
23.12.2008
2) Environmental clearance for 1x600 MW vide MOEF/GOI's Lr.No.J
13011/62/2008 – IA.II (T) dt.3.6.2009
3) Amendment to EC for 1x660 MW vide MOEF/GOI's Lr.No.J
13011/62/2008 – IA.II (T) dt.24.1.2013
4) Extension of CRZ clearance vide MOEF/GOI's Lr.No.11-100/2008-
IA-III, dt.31.3.2014
5) Extension of EC for 1x660 MW vide MOEF/GOI's Lr.No.J
13011/62/2008 – IA.II (T) dt.18.9.2014
6) MoEF Ir No.J-13012/62/2008-IA.II(T) dt 20.9.2018

Kind reference is invited to the letter under ref (6) above wherein direction
has been received from MoEF &CC to initiate the process denovo for grant of ToR
for the ongoing Ennore Thermal Power station Expansion (Annex)TPP(1x660 MW).

In this regard it is submitted that Tamil Nadu Generation and Distribution Corporation (TANGEDCO) is in the process of establishing a coal based Ennore Thermal Power Project Annex (660 MW) within the Ennore Thermal Power Station Complex.

Status of Statutory Clearances:

- (i) Earlier, TANGEDCO proposed to establish the above ETPS Expansion (Annex) Project with 600 MW capacity in the land available within the formerly existing 450 MW Ennore Thermal Power Station (ETPS) Complex with "Closed Cycle Cooling System", by drawing 12,000 m³/hr sea water at a distance of 600m from inside the sea and discharging at a distance of 250m into the sea. The erstwhile ETPS was operating under "once through cooling system" and drawing 80,000 m³/hr of cooling water from the Ennore Creek and letting out the coolant water into the sea. In order to make it environmentally friendly by avoiding water drawal from Ennore creek, it was proposed draw this quantity of water from the same intake location proposed for ETPS Expansion (Annex) TPP. As such, TANGEDCO approached MOEF and obtained CRZ Clearance for ETPS Expansion (Annex) (600 MW), vide MOEF/GOI's Lr.No.11-100/2008-IA-III, dt.23.12.2008 (Reference 1 cited) for the Coal Conveyors (Pipe Conveyors) and Cooling Water Intake and Outfall Pipelines for a total capacity of 92,000 m³/hr.
- (ii) TANGEDCO also obtained Environmental Clearance for the 1 x 600 MW ETPS Expansion (Annex) TPP (1 x 600 MW), vide MOEF/GOI's Lr.No.J 13011/62/2008 – IA.II (T) dt.3.6.2009 (Reference 2 cited).
- (iii) Subsequently, based on the guidelines of CEA/GOI, TANGEDCO decided to change the configuration of the unit size from sub-critical 600 MW unit to Super-critical 660 MW and obtained amendment to E.C for change in configuration for ETPS Expansion(Annex)1 x 660 MW, vide MOEF/GOI's Lr.No.J 13011/62/2008 – IA.II (T) dt.24.1.2013 (Reference 3 cited).
- (iv) In the meanwhile, TANGEDCO decided to decommission the existing 40 years old ETPS (450 MW) and replace it with one unit of 660 MW, utilising the infrastructure already proposed for ETPS Annex, since CRZ Clearance for ETPS Annex was already available for drawal of 92,000 m³/hr (The ETPS has since been decommissioned on 31.3.2017). However, since the replacement unit is designed with "closed cycle condenser system", the water requirement for ETPS Replacement TPP was only 12,000 m³/hr instead of the previous requirement of 80,000 m³/hr.
- (v) Hence while approaching MOEF/GOI for extension of validity for CRZ Clearance for ETPS Expansion(Annex)TPP, TANGEDCO submitted the above details of change in configuration of ETPS Expansion(Annex) TPP from 1x600 MW to 1x660 MW and reduction in water requirement for

both ETPS Expansion(Annex) unit and proposed ETPS Replacement unit and obtained extension of validity of CRZ Clearance for ETPS Expansion(Annex) (1 x 660 MW) with reduction in water requirement to 25,000 m³/hr instead of 92,000 m³/hr, vide MOEF/GOI's Lr.No.11-100 / 2008-IA –I II, dt.31.3.2014 (Reference 4 cited). MOEF issued validity of CRZ Clearance up to 22.12.2018.

- (vi) TANGEDCO also obtained extension of validity of E.C for ETPS Expansion (Annex), vide MOEF/GOI's Lr.No.J 13011/62/2008 – IA.II (T) dt.18.9.2014 (Reference 5 cited). The validity of Environmental Clearance is up to 2.6.2019.

Status of execution of ETPS Expansion (Annex) TPP:

- (i) TANGEDCO issued Notice Inviting Tender (NIT) for EPC contract for the ETPS Expansion (Annex) Project (1 x 600 MW) on 13.7.2010. The Techno-Commercial bid was opened on 20.12.2010. However the tender was lodged on 8.6.2011 due to uncertainty in coal linkage. The E.C was obtained for coal mix of Indian and Imported coal in the ratio of 70:30.
- (ii) Subsequently, amendment to E.C was obtained for change in configuration of unit from 1x600 MW to 1x660 MW and for 100% imported coal, vide MOEF Lr.dt.24.1.2013 (Reference 3 cited)
- (iii) TANGEDCO again issued Notice Inviting Tender (NIT) for EPC contract for the ETPS Expansion (Annex) Project (1 x 660 MW) on 26.10.2012.
- (iv) The work of EPC contract for the ETPS Expansion(Annex) (1 x 660 MW) was awarded to M/s. Lanco Infra Tech Ltd., vide TANGEDCO's Letter of Award dt.30.5.2014, for a value of Rs.3,921.55 Crores.
- (v) As there was a delay in submission of Bank Guarantee by the EPC contractor, the site was handed over on 20.10.2014 and the work was commenced at site.
- (vi) The scheduled date of commissioning was fixed at 14.10.2017 and scheduled date of COD was fixed at 14.1.2018.
- (vii) However only about 17% of physical progress was made at site by the EPC contractor and 18% payment (Rs.703 crores) of payment has been made to them so far.
- (viii) In the meanwhile, Corporate Insolvency Resolution Process (CIRP) was initiated against the EPC contractor M/s. Lanco Infra Tech Ltd., by IDBI Bank at NCLT, Hyderabad and work was stopped on 7.8.2017.

- (ix) In view of the above, TANGEDCO terminated the EPC contract on 9.4.2018.
- (x) Now, TANGEDCO has called for open tenders under EPC contract to take up the balance project works in "as is where is condition" to commission the captioned Project.

It is humbly submitted that TANGEDCO has taken all efforts to obtain necessary clearances as per law and execute the ETPS Expansion Annex (1 x 660 MW) project, as per the statutory requirements. However, due to extraneous circumstances, the completion of project is getting delayed.

In the meantime, the CRZ Clearance and Environmental Clearance issued for the captioned Project are expiring shortly. The validity of CRZ Clearance is up to 22.12.2018 and the validity of Environmental Clearance is up to 2.6.2019. Hence TANGEDCO requested MOEF to extend the validity period of these clearances to carry on the balance works of ETPS Expansion (Annex) TPP.

However MoEE & CC/New Delhi have directed TANGEDCO in its letter dt 20.09.2018 that the process of obtaining EC for the ongoing project may be initiated de novo for grant of ToR as applicable under EIA notification 2006 since validity of CRZ and EC for any project could be extended only up to 10 years as per Environmental protection Act 2006.

In this connection, the following are submitted:

TANGEDCO is in the process of obtaining CRZ and Environmental Clearance for the proposed ETPS Replacement TPP (1 x 660 MW) after decommissioning the 40 year old ETPS (450 MW) which is within the ETPS Complex. After obtaining ToR for the captioned project on 24.7.2014, the following studies were conducted and MoEF&CC was approached on 22.07.2017 to obtain EC&CRZ clearance for the same.

1.Comprehensive EIA/EMP study of ETPS Replacement TPP(1x660 MW) in ETPS Complex-conducted from July 2016 for one year period by M/s Ramky Enviro Engineers(p) Ltd,Hydrabad accredited consultant of MoEF&CC/New Delhi

2.Comprehensive Marine study of sea water intake and outfall of both ETPS Replacement TPP(1x660 MW) and ETPS Expansion TPP(1x660 MW)-conducted from February 2016 for one year period by M/s Chola MS,Chennai an accredited consultant of MoEF&CC/New Delhi

3. Combined Delineation map of both ETPS Replacement and ETPS Expansion TPPs – IRS,Anna University

4. Socio Economic study of 10 KM surrounding area of ETPS Complex by M/s Madras school of social works, Chennai.

After conducting a public hearing on 30.5.2017, MoEF&CC was approached for issue of EC for the proposed ETPS Replacement TPP (660 MW) within the ETPS complex wherein ETPS Expansion TPP (660 MW) is under execution. After hearing the proponent on 30.08.2017, EAC/MoEF&CC have directed a subcommittee to visit the site for report. The subcommittee visited the site from 13.10.2017 to 14.10.2017. Based on the subcommittee report, EAC have directed vide MoM dt 26.10.2017 that TANGEDCO to submit additional details to consider the project for issue of EC & CRZ clearance.

The additional studies are nearing completion and the same will be submitted for obtaining clearances for proposed ETPS Replacement TPP (1x660 MW).

As already submitted, TANGEDCO proposes to utilize the same infrastructure, viz., Coal conveyor (pipe conveyor) and Cooling Water Intake / Outfall Structures for both ETPS Expansion (Annex) TPP (1x660 MW) and ETPS Replacement TPP (1x660 MW).

Considering the locations of both Power projects within a same complex of ETPS, it is requested to consider the AAQ locations taken in the above EIA study report (Enclosed) for ongoing ETPS Expansion (Annex) TPP 1x660 MW also to issue fresh ToR. Necessary Public hearing for the captioned ETPS Expansion (annex) TPP was held on 22.10.2008 and Public hearing for ETPS replacement TPP(1x660 MW) was held on 30.05.2017. Since both the proposed projects are located within ETPS complex, the new ToR may be issued to ETPS Expansion (annex) TPP **exempting any fresh public hearing. Further, considering the previous CRZ Clearances for ETPS Expansion is being considered for ETPS Replacement TPP also, MOEF&CC may permit TANGEDCO to approach MOEF&CC directly for Environmental and CRZ Clearance for ETPS Expansion TPP, without the process of again approaching District level and State level CRZ Committee.**

As TANGEDCO has invested huge amount of public money in the project, TANGEDCO's request may kindly be considered and necessary ToR for the ETPS Expansion TPP (1x660 MW) may be issued to enable TANGEDCO to cater to the power demands of the State of Tamil Nadu.

Yours faithfully



Chief Engineer/Projects-I

Encl:

- 1) CRZ clearance vide MOEF/GOI's Lr.No.11-100/2008-IA-III, 23.12.2008
- 2) Environmental clearance for 1x600 MW vide MOEF/GOI's Lr.No.J 13011/62/2008 – IA.II (T) dt.3.6.2009

- 3) Amendment to EC for 1x660 MW vide MOEF/GOI's Lr.No.J 13011/62/2008 - IA.II (T) dt.24.1.2013
- 4) Extension of CRZ clearance vide MOEF/GOI's Lr.No.11-100/2008-IA-III, dt.31.3.2014
- 5) Extension of EC for 1x660 MW vide MOEF/GOI's Lr.No.J 13011/62/2008 - IA.II (T) dt.18.9.2014
- 6) Fresh Form I
- 7) DCRZMA recommendation for ETPS Replacement TPP(1x660 MW) vide Lr dt.19.4.2017
- 8) SCRZMA recommendation for ETPS Replacement TPP(1x660 MW) vide Lr dt.9.10.2017
- 9) MoEF Lr No.J-13012/62/2008-IA.II(T) dt 20.9.2018



No. J-13012/62/2008-IA.II (T)

Government of India

Ministry of Environment, Forest and Climate Change



SE/C/UP	SE/E/UP
SE/C/TP	SE/C/P&E
CE/PROJECTS-II	

Paravaran Bhawan,
2nd Floor, Vayu Wing
Jor Bagh Road,
New Delhi-110003

Dated: 20.9.2018

To

The Chief Engineer (Projects-II)

M/s Tamil Nadu Generation and Distribution Corporation (TANGEDCO)

5th Floor, Western Wing, NPKRR Maaligai,

144, Anna Salai, Chennai - 2.

Sub: 1x660 MW Ennore Thermal Power Station at Village Ernavur, Taluk Ambathur, Dist. Thiruvallur, Tamil Nadu by M/s TANGEDCO (earlier M/s TNEB) - reg. extension of validity of Environmental Clearance.

Sir,

The undersigned is directed to refer to your online application No. **IA/TN/THE/2062/2008** dated 25.7.2018 on the above mentioned subject. It has been noted that you have requested for extension of validity of EC dated 3.6.2009 for further period of four years, i.e. till 2.6.2023.

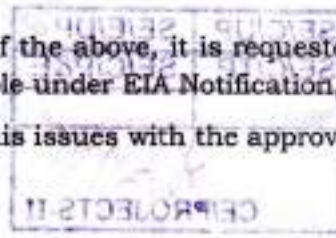
2. It has been noted that the Environment Clearance for establishing 1x600 MW Coal based Ennore Thermal Power Plant at Village Ernavur, Taluk Ambathur, Dist. Thiruvallur, Tamil Nadu has been issued to M/s Tamil Nadu Electricity Board (TNEB) vide Ministry's letter dated 3.6.2009 which is valid for five years, i.e. till 2.6.2014. Further, an amendment in EC for a) change in configuration from 1x600 MW to 1x660 MW Unit and b) change in coal source from domestic to imported coal which is to be used till Mandakini Coal Block is operational, has been issued to M/s TANGEDCO vide Ministry's letter dated 24.1.2013. Further, the validity of EC dated 3.6.2009 has been extended for further period of five years, i.e. till 2.6.2019. Accordingly, the validity of 10 years will be completed by 2.6.2019.

3. It has been noted that the project construction has been delayed due to several reasons such as re-floating of tenders due to change in configuration of the units, delay in submission of Bank Guarantee by EPC contractor M/s. Lanco Infra Tech Ltd., and EPC contractor went into insolvency leading to termination of the contract, etc. It has been informed that the company is in the process of finalizing specification to float tenders calling for EPC contract to take up the work in "as is where is condition".

4. The Ministry has examined the proposal. The Ministry's EIA Amendment Notification vide S.O. 2944(E) dated 14.9.2016 stipulates that the validity of Environmental Clearance is seven years which can be extendable for a maximum period of three years. Accordingly, the outer limit of the validity of the EC is 10 years. In the present case, the outer limit of 10 years validity will be expired on 2.6.2019. The EC validity cannot be extended beyond 10 years.

5. In view of the above, it is requested to initiate the process **de-novo** for grant of ToR as applicable under EIA Notification, 2006 and amendments notified time to time.

This issues with the approval of competent authority.



Yours faithfully,

(Dr. S. Kerketta)
Director, IA.I

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi- 110032.
4. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), Ist and IInd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai - 34.
5. The Principal Secretary to Government, Environment and Forests Department, Government of Tamil Nadu, No.1, Jeenis Road, Panagal Building, Ground Floor, Saidapet, Chennai-600 015
6. The Chairman, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai - 600 032.
7. The District Collector, Thiruvallur District, Govt. of Tamil Nadu, Thiruvallur Collector Office, Master Plan Complex, NH 205, Tiruvallur, Tamil Nadu 602001.
8. Guard file/Monitoring file.
9. Website of MoEF&CC.

(Dr. S. Kerketta)
Director, IA.I