

37/2012-13/TN

**F.No.10-18/2009-IA.III**  
**Government of India**  
**Ministry of Environment & Forests**  
**(IA Division)**

**Paryavaran Bhawan,**  
**CGO Complex, Lodhi Road,**  
**New Delhi - 110 003**

**Dated: 30<sup>th</sup> November, 2012**

**To**  
**M/s Coastal Tamil Nadu Power Ltd.,**  
**First Floor, "Urjanidhi",**  
**1, Barakhamba Lane, Connaught Place,**  
**New Delhi - 110 001**

**Subject: Environmental and CRZ Clearance for the establishment of Captive Jetty for the proposed Ultra Mega Thermal Power Project at Panaiyur, Kancheepuram, Tamil Nadu by M/s Coastal Tamil Nadu Power Ltd -Reg.**

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This has reference to your application No: 03/UM08/11/Proj/ Env.Clr./Port dated 30.06.2012 seeking prior Environmental and CRZ Clearance for the above project under the EIA Notification - 2006 and Coastal Regulation Zone (CRZ) Notification, 2011. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification - 2006 and Coastal Regulation Zone Notification, 2011 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, recommendation of State Coastal Zone Management Authority, EIA, EMP and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee constituted by the competent authority in its meetings held on 9<sup>th</sup> -10<sup>th</sup> July, 2012 and 16<sup>th</sup> -17<sup>th</sup> August, 2012.

2. It is interalia, noted that the proposal involves establishment of Captive Jetty for the proposed Ultra Mega Thermal Power Project of 4000 MW at Panaiyur, Kancheepuram, Tamil Nadu. The power project would be using coal to be imported through a marine coal handling facility (at Panaiyur) located at a distance of approximately 5 km to the east of the main power plant location (at Cheyyur). The Coal from the port would be transported from the port to the main plant through a closed conveyor system. The total coal import is estimated at 12 to 14 Million Metric Tons per annum and the estimated daily consumption is 40,000 to 45,000 MT. The coal jetty of 600 m long has been proposed at 1.275 km from the shore which contain tow berths at 19 m CD at sea and designed to handle Cape Size and Panamax vessels for unloading coal.

3. The proposal involves the construction of two break waters to provide the required tranquillity - one about 1575 m. long on the northern side and another about 1970 m. long on southern/eastern side at the depth of 11 to 14.5 m. and 10 m. to 13.5 m. respectively. The intake and outfall systems are

proposed at 0.3 km and 2.70 km distance from the HTL respectively. The coal will be transported through Pipe Conveyor System from the coal jetty to the Power Plant by providing trestles at +5 m. CD. The approach channel will be 5 km long, 230 m wide at bottom and 20.5m deep below CD. Capital dredging in the channel is 4 million cum and in basin is 3.8 million cum. The maintenance dredging will be 0.04 million year. The dredged material will be dumped at designated site in the sea.

4. The proposal was considered by the EAC in its meeting held on 21<sup>st</sup> - 23<sup>rd</sup> December, 2009 examined the project for alternative site and finalized the following TOR for further study in addition to the TOR suggested in the 78<sup>th</sup> meeting held on 20<sup>th</sup> - 22<sup>nd</sup> July, 2009 including conduct of public hearing. The Public Hearing was conducted on 20.12.2011 at the site. The Tamil Nadu Coastal Zone Management Authority (SCZMA) has recommended the project vide letter no. 21307/EC-3/2009-3 dated 06.09.2011 for handling coal imports, water intake and outfall facilities, coal conveyor system etc., for the proposed project.

5. National Institute of Ocean Technology (NIOT) has carried out the detailed Feasibility study and the CEIA for the project. The outfall will be of 1.6 m diameter at 2.7 km at 14 m depth.

6. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations, have recommended for the grant of Environmental and CRZ Clearance for the project. Accordingly, the Ministry hereby accord necessary Environmental and CRZ Clearance for the above project as per the provisions of Environmental Impact Assessment Notification - 2006 and Coastal Regulation Zone Notification, 2011, subject to strict compliance of the terms and conditions as follows:

**7. SPECIFIC CONDITIONS :**

- (i) The dredged material shall be analysed for toxic material and after confirmation of absence of such material, it shall be dumped at designated sites.
- (ii) As per Literature, sporadic turtle movement during the nestling seasons all along the eastern coast of the Country. However, the study done by the NIOT, in 2010 and 2011 during the breeding seasons (January- March), no eggs or turtles were located. To prevent any likely impact to the turtles movement, the vessel movement and High beam lights from port premises shall be restricted during night in the breeding season.
- (iii) All the conditions stipulated by the Tamil Nadu SCZMA shall be complied with.

- (iv) Proponent shall provide Bubble Top over the temporary coal storage yard instead of wind screen proposed, to control dust emissions".
- (v) The total capacity of the Temporary coal storage yard shall be 310,000 MT equivalent to two parcels of capsized carriers.
- (vi) The stock yard shall be provided with 50 m green belt all around
- (vii) Water sprinklers shall be provided to prevent dust emission.
- (viii) LDPE lining shall be provided at the temporary coal stock yard to prevent any seepage as committed by the Proponent.
- (ix) There shall be no water drawal in CRZ area and water requirement shall be obtained from desalination plant.
- (x) No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
- (xi) The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.
- (xii) The project proponent shall take up mangrove plantation/ green belt in the project area, wherever possible. Adequate budget shall be provided in the Environment Management Plan for such mangrove development.
- (xiii) The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.

### **3. GENERAL CONDITIONS :**

- (i) Adequate provision for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the construction phase of the project to avoid any damage to the environment.
- (ii) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.
- (iii) Borrow sites for each quarry sites for road construction material and dump sites must be identified keeping in view the following:

- (a) No excavation or dumping on private property is carried out without written consent of the owner.
- (b) No excavation or dumping shall be allowed on wetlands, forest areas or other ecologically valuable or sensitive locations.
- (c) Excavation work shall be done in close consultation with the Soil Conservation and Watershed Development Agencies working in the area, and
- (d) Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such materials must be secured so that they shall not leach into the ground water.
- (iv) The construction material shall be obtained only from approved quarries. In case new quarries are to be opened, specific approvals from the competent authority shall be obtained in this regard.
- (v) Adequate precautions shall be taken during transportation of the construction material so that it does not affect the environment adversely.
- (vi) Full support shall be extended to the officers of this Ministry/ Regional Office at Bangaluru by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.
- (vii) A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bangaluru regarding the implementation of the stipulated conditions.
- (viii) Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.
- (ix) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.
- (x) In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.

- (xi) The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.
- (xii) A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been made received while processing the proposal.
- (xiii) Tamil Nadu Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office/Tehsildar's office for 30 days.

9. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 1994, including the amendments and rules made thereafter.

10. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

11. The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental and CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board, and may also be seen on the website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bengaluru.

12. This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

13. Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.

14. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.


15. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

16. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

**(Lalit Kapur)**  
**Director (IA-III)**

Copy to:

- (i) The Principal Secretary, Department of Environment and Forests, First Floor, Panagal Building, Saidapet, Chennai - 600 015, Tamil Nadu.
- (ii) The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110032.
- (iii) The Director, Department of Environment, Government of Tamilnadu, Panagal Building, Ground Floor, Saidapet, Chennai-15, Tamil Nadu.
- (iv) The Chairman, Tamil Nadu Pollution Control Board, No. 76, Mount Salai, Gundy, Chennai, Tamil Nadu.
- (v) The Chief Conservator of Forests, Ministry of Environment and Forests, Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No. 3, Ravishankar Nagar, Bangalore - 462016.
- (vi) Guard File.
- (vii) Monitoring Cell.

  
**(Lalit Kapur)**  
**Director (IA-III)**