

F. No. 11-129/2010-IA.III
Government of India
Ministry of Environment & Forests
(IA Division)

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

Dated: 5th December, 2011.

To
The Vice-President,
M/s Thermal Power Tech Corporation India Ltd.,
6-3-1090, TSR Towers, Raj Bhawan Road,
Somajiguda, Hyderabad - 500 082.

Subject: CRZ clearance for the construction of pump house, Sea water Intake and Outfall facilities at Pianapuram Village, Near Nellore, Andhra Pradesh by M/s Thermal Power Tech Corporation India Ltd. -Reg.

This has reference to letter No: 5228/CZMA/2010 dated 11.04.2011 of the Special Chief Secretary to Government, Environment, Forests, Science and Technology Department, Secretariat, Hyderabad and your subsequent letter dated 01.08.2011 from seeking prior CRZ Clearance for the above project under the Coastal Regulation Zone (CRZ) Notification, 1991/ 2011. The proposal has been appraised as per prescribed procedure in the light of provisions under the Coastal Regulation Zone Notification, 1991/ 2011 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire recommendation of the 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 30th November, 1st & 2nd December, 2010 and 21st - 23rd September, 2011.

2. It is interalia, noted that the project involves the construction of pump house, Sea water Intake and Outfall facilities at Pianapuram & Nelaturupalem Villages, Muthukur Mandal SPS Nellore, Andhra Pradesh. Buckingham canal is 0.10 km (W). A creek is located at a distance of 150 m from the southern boundary of the plant site. The auxiliary facilities are proposed in CRZ areas (i) pump house, outfall tank, sea water intake & outfall pipelines (ii) coal conveyor corridor crossing over creek (iii) bridges over Buckingham Canal as part of approach road (iv) power evacuation corridor (v) diversion road to Nelaturupalem village. Proposed marine facilities are: (i) Laying of submarine pipelines (ii) construction of seawater intake head (iii) construction of warm water outfall. Intake and Outfall of Sea water intake: Distance: 2000 m and Quantity: 13936 m³/hr. The Warm Water outfall will be at a Distance: 950 m and Quantity: 8143 m³/hr. The Initial temperature difference: 4^o C and Initial Salinity difference: 19 ppt.



3. The project was considered by the EAC in its meeting held on 30th November, 1st & 2nd December, 2010. The Committee noted that as there are some changes in the map submitted to State Coastal Zone Management Authority and the map now submitted to MoEF, the project proponent was asked to submit the updated map to the State Coastal Zone Management Authority for review and recommendations to MoEF. Accordingly, the revised the map was examined and recommended by the APCZMA vide letter no 5228/CZMA/2010 dated 11.04.2011.

4. 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 CRZ Clearance for the project. Accordingly, the Ministry hereby accord necessary CRZ Clearance for the above project as per the provisions of Coastal Regulation Zone Notification, 2011, subject to strict compliance of the terms and conditions as follows:

5. SPECIFIC CONDITIONS :

- (i) "Consent for Establishment" shall be obtained from State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.
- (ii) Cutter suction dredging shall be adopted instead of grab technology so as to control the sediments during dredging.
- (iii) Top of the pipeline buried shall be minimum 2 m below the sea bed. The PP shall obtain a certificate of compliance from the agency executing the pipeline, with supporting documentation and shall submit to RO of MoEF and to State PCB.
- (iv) No effluent from fly ash system is permitted to discharge into the marine system, as committed by PP. The effluent from fly ash shall be treated and the entire quantity shall be recycled in the cooling tower makeup etc and suitable meter shall be installed to record the quantity of effluent recycled.
- (v) Shall implement all the measures as committed to the Ministry vide their letter dated 01.08.2011, as a part of the clarifications submitted by the PP. A copy of these submissions shall be submitted to RO of MoEF
- (vi) A suitable STP shall be provided to treat the domestic effluent and treated effluent shall be used for green belt, dual plumbing system etc. Measuring meters shall be provided to record the treated effluent used for different purposes.



- (vii) All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to MoEF along with half yearly compliance report to MoEF-RO.
- (viii) The proponent shall commit himself to be one of the partners/ proponents (who have undertaken/will be undertaking similar power projects in the close proximity of site) as and when instructed by the MOEF/State government authorities in preparing an overall EIA report comprising both terrestrial/marine EIA components for the region and share the cost of the study and proposed mitigation measures for the coastal stretch as decided by the authorities in the best interest of protecting the environment
- (ix) Appropriate screens and trash bars shall be put in place at the intake to avoid fish entering into the pipe due to heavy quantity of water drawal by once through water intake system.
- (x) Temperature and salinity level shall be monitored regularly by providing on-line monitoring system at the appropriate location on the outfall system.
- (xi) Periodic monitoring of coastal water shall be carried out at outfall location.
- (xii) No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
- (xiii) 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.
- (xiv) The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.

6. GENERAL CONDITIONS :

- (i) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.
- (ii) 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.

- (iii) 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.
- (iv) 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.
- (v) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.
- (vi) 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.
- (vii) 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.
- (viii) 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.
- (ix) 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.

7. 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.

8. 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.



9. 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 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 Bangaluru.
10. Environmental 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.
11. Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.
12. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
13. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
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. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.



(Lalit Kapur)
Director (IA-III)

Copy to:

- 1 Smt Janaki R.Kondapi, Chairman, Andhra Pradesh Coastal Zone Management Authority, IAS, Special Chief Secretary to Government,

- E.F.S & T. Department Government of Andhra, Pradesh Secretariat,
Hyderabad- 500 002
- 2 The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex,
East Arjun Nagar, Delhi - 32.
 - 3 The Member Secretary, Andhra Pradesh Coastal Zone Management
Authority, IAS, Special Chief Secretary to Government, E.F.S & T.
Department Government of Andhra, Pradesh Secretariat, Hyderabad-
500 002
 - 4 The Chairman, Andhra Pradesh Pollution Control Board, Paryarana
Bhawan, A-III, Industrial Area, Sanathnagar, Hyderabad - 500 018,
Andhra Pradesh.
 - 5 The C.C.F., Regional Office (SZ), Ministry of Environment & Forests,
Kendriya Sadan, IV Floor, Environment & Forests Wings, Office (SZ),
7th Main Road, II Block, Koramangala, Bangalore - 560 034.
 - 6 Guard File.
 - 7 Monitoring Cell.


(Lalit Kapur)
Director (IA-III)