

F.No.11-45/2012-IA-III
Government of India
Ministry of Environment, Forests & Climate Change
(IA-III Section)

Vayu Wing, 3rd Floor,
Indira Paryavaran Bhawan,
Jor Bag Road, Aliganj,
New Delhi - 110 003

Dated: 27th August, 2014

To
The Chief Engineer,
M/s Chennai Port Trust,
Administrative Office, Rajaji Salai,
Chennai - 600 001, Tamil Nadu

Contact Person Details:

Fax: 044-25381228
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Subject: CRZ and Environmental Clearance for development of Barge handling facility which includes construction of berth in Chennai Port, Tamil Nadu by M/s Chennai Port Trust - Reg.

This has reference to your letter No. MP3/1572/2012/E dated 01.04.2014 and subsequent letter dated 23.04.2014 and 30.06.2014 seeking Environmental Clearance under the Environment Impact Assessment Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the Environment Impact Assessment Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Form-I, EIA, EMP, Public Hearing proceedings and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee constituted by the competent authority in its meeting held on 19th - 21st May, 2014 and 30th June, 2014 - 2nd July, 2014.

2. It is inter-alia noted that the proposal involves development of Barge handling facility which includes construction of berth in Chennai Port, Tamil Nadu. Chennai Port has an existing barge jetty in the extreme northern end of Bharathi Dock. It has a length of around 30 metre and the draft is about 2.5 - 3.0 metre. This jetty is currently being used exclusively by Indian Oil Corporation Limited (IOCL) for bunkering purpose of navy, coast guard, bulk carrier, container ships etc. The bunkers cater to both coastal and foreign ships. Considering the requirements of bunkering, the barges length has been considered about 75 m to 100 m with carrying capacity of 1000 to 3000 MT. The length of jetty required is 150 m to satisfy the above criteria and hence the same is adopted and for functional requirement, width of the berth proposed as 15m. The proposed barge jetty to need the minimum draft as arrived -9.0 m CD. The top level of the proposed barge jetty is +3.0m CD. ChPT has identified



a location along the existing old pipeline trestle. Based on the engineering survey the location is suitable for the proposed development and hence the same location is maintained.

3. An approach trestle has been proposed to connect the proposed barge jetty and land. This trestle will be utilised for laying the pipelines of the proposed barge jetty and also for small cargo movement purpose. It is proposed to provide a 5 m width single pile trestle. The present available depth at the proposed jetty area is varying from -7.0 to -9.0m. Hence, it is proposed to dredge the basin area nearer to the proposed berth to - 9.0 m CD. The total area to be dredged is estimated at 1,800 sqm and the dredging quantity is about 10,000 m³. The entire substructure has been considered as a system of bored cast in situ concrete piles. Berthing face will be provided with adequate fenders at adequate spacing for safe berthing of vessels and bollards at adequate interval for mooring of vessels. A vessel size of 4000 DWT is considered for the design of berth. The cost estimate was worked out for construction of Barge handling jetty including dredging and Construction of approach trestle is Rs.25.98 crores.

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 Environmental Clearance for the project. Accordingly, the Ministry hereby accord necessary Environmental Clearance for the above project as per the provisions of EIA Notification, 2006 and its subsequent amendments, 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) The Barge jetty will handle Furnance Oil, HSD, Edible Oil and water.
- (iii) Effluent from workshop, oil storage etc. shall be treated in an oil skimmer.
- (iv) Collected oily waste should be stored in cans and sold out to registered recyclers.
- (v) Dredging equipments should follow proper safety procedures to avoid accidents and spills.
- (vi) As committed, the timing of dredging and disposal activities should be planned to avoid and if unavoidable, keep to the minimum, any adverse impacts on sensitive marine flora and fauna.



- (vii) The DO level of marine water was found to be on the lower side and pH is also on the lower side. The proponent shall investigate the cause and shall take mitigative measures. A report may be submitted on the cause of the pollution and respective mitigative measure taken by the port along with the six monthly compliance report.
- (viii) All the recommendation of the EIA/EMP, Disaster Management Plan shall be complied within letter and spirit. All the mitigation measures submitted in the EMP/DMP 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.
- (ix) There shall be no disposal of solid and liquid wastes into the coastal areas.
- (x) The solid waste shall be properly collected, segregated and disposed as per the provisions of Solid Waste (Management and Handling) Rules, 2000.
- (xi) Fly ash should be used as building material in the construction as per provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003.
- (xii) The approach channel shall be properly demarcated with lighted buoys for safe navigation and adequate traffic control guidelines shall be framed. The fishermen shall be suitably educated and informed about the traffic guidelines.
- (xiii) Installation and operation of DG set, if any, shall comply with the guidelines of CPCB. The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- (xiv) 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.
- (xv) 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.
- (xvi) The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.



- (xvii) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.

6. General Conditions:

- (i) The construction of the structures should be undertaken as per the plans approved by the concerned local authorities/ local administration, meticulously conforming to the existing local and Central rules and regulations including the provisions of Coastal Regulation Zone Notification, 2011 and the approved Coastal Zone Management Plan of Tamil Nadu.
- (ii) A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bengaluru regarding the implementation of the stipulated conditions.
- (iii) 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.
- (iv) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.
- (v) 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.
- (vi) 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.
- (vii) 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.
- (viii) State 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 Bengaluru.

10. 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.

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. 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.

14. The proponent shall upload the status of compliance of the stipulated Clearance 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.

15. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Clearance 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.

16. 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 Clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

(Lalit Kapur)
Director (IA-III)

Copy to:

1. The Secretary, Environment & Forests Department, Govt. of Tamil Nadu, Saint Geroge Port, Chennai.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110 032.
3. The Member Secretary, Tamil Nadu State Pollution Control Board, Chennai.
4. The Director, Environment Department, Govt. of Tamil Nadu, Chennai.
5. The CCF, Regional Office, Ministry of Environment & Forests(SZ), Kendriya Sadan, IVth floor, E&F wings, 17th Main Road, Koramangala II Block, Bangalore – 560 034.
6. Guard File.
7. Monitoring File.


(Lalit Kapur)
Director (IA-III)