

F. No. 11-21/2010-IA.III
Government of India
Ministry of Environment & Forests
(IA-III Division)

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

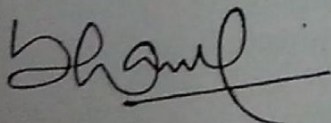
Dated: 5th July, 2010

To
✓ The Senior Manager,
Project in Charge, LPG - E,
IOC, Kerala State Office,
Panampilly Avenue, Panampilly Nagar. P.O.
Cochin - 36.

Subject: Environmental Clearance for LPG Import Terminal at
Puduvypeen SEZ (Cochin Port Trust, Cochin) by M/s Indian
Oil Corporation Ltd. Cochin - Reg.

This has reference to the letter No: 2126/A2/08/S&TD dated 09.12.2009 of the Chairman, Kerala Coastal Zone Management Authority forwarding your proposal for the Environment Clearance under the Environment Impact Assessment Notification, 2006 and Coastal Regulation Zone (CRZ) Notification, 1991. The proposal has been appraised as per prescribed procedure in the light of provisions under the Environment Impact Assessment Notification, 2006 and Coastal Regulation Zone Notification, 1991 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, 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 meetings held on 21st - 22nd August 2008 and 19th - 20th April, 2010.

2. It is interalia, noted that the proposal involves establishment of facilities for receipt, storage and dispatch of imported LPG at Puduvypeen, Cochin. The import facility will be of 0.6 MMTPA capacity. The main activity involves i) Uploading of LPG from ships at proposed jetty of Cochin port trust, ii) Transfer to mounded bullets through thermal insulated pipelines, iii) Storage under pressurized conditions in mounded bullets and iv) Loading in road tanker for distribution of the same. The LPG unloaded at Multi User Liquid Terminal in Cochin Port Trust and transferred to the terminal through 2.8 KM long pipeline of 20" dia. The storage facility consist of 08 nos. of mounded bullets (capacity: 1925 MT each) constructed in two clusters. The mounded storage is the safest LPG storage suitable to the site as the LPG bullets are buried in sand and enclosed inside concrete bunkers with minimum wall thickness



of 50 cm. The stored LPG will be further distributed through road tankers to different consumption centers. The total cost of the project is Rs. 170.00 Crores.

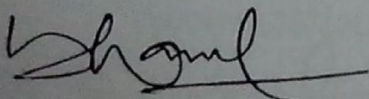
3. The project site falls in SEZ in the land allotted on lease by Cochin Port Trust at longitude 76°13'34' E and latitude 09°59'82' N. The proposed construction of LPG Import Terminal and Pipeline lies between 200 to 300 m from High Tide Line of sea. Facilities for receipt and storage of petroleum products and LPG can be permitted in CRZ area except CRZ I (i). The proposed area is devoid of classified CRZ I (i) area. The Kerala coastal zone management Authority had recommended the proposal vide letter no. No.2126/A2/08/S&TD dated 9/12/2009.

4. The TOR for the project was issued vide letter no. 10-89/2008-IA-III dated 02.09.2008 and Public hearing was conducted on 29.09.2009.

5. 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 Environment Clearance for the project. Accordingly, the Ministry hereby accords necessary Environment Clearance and CRZ Clearance for the above project as per the provisions of Environment Impact Assessment Notification, 2006 and CRZ Notification, 1991 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

6. SPECIFIC CONDITIONS :

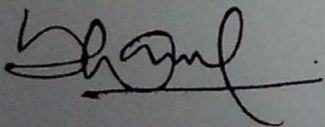
- i. Clearance/NOC shall be obtained from Petroleum & Explosives Safety Organization (PESO).
- ii. Necessary Safety measures shall be incorporated conforming to the standards.
- iii. All the issues raised in the public hearing shall be incorporated and complied with strictly.
- iv. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
- v. 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.



- vi. 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.
- vii. The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.

7. **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) Full support shall be extended to the officers of this Ministry/Regional Office at Bangalore 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.
- (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) Kerala Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's Office/Tehsildar's office for 30 days.

8. 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.

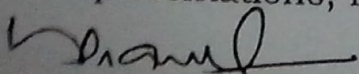
9. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective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

10. 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 Kerala 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 Bangalore.

11. 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.

12. Any appeal against this Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

13. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The

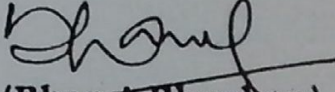


clearance letter shall also be put on the website of the company by the proponent.

14. 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.


15. 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.

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


(Bharat Bhushan)
Director (IA-III)
05.07.2010

Copy to:

1. The Secretary, Department of Environment & Forests, Government of Kerala, Kerala State Coastal Zone Management Authority, Sasthra Bhawan, Pattom, Thiruvananthapuram - 4.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum- Office Complex, East Arjun Nagar, Delhi - 110 032.
3. The Chairman, Kerala Coastal Zone Management Authority, Science & Technology (A) Department, Sashtra Bhavan, Pattom, Thiruvananthapuram.
4. 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 Karnataka.
5. The Chairman, Kerala State Pollution Control Board, Plamoodu Junction, Pattom Palace, Trivandrum 695004, Kerala
6. Director (EI), Ministry of Environment and Forests.
7. Guard File.
8. Monitoring File.


Bharat Bhushan)
Director (IA-III)