

F.No. 11-44/2017-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 110003
Dated: 25.10.2018

To,

M/s Indian Oil Corporation Limited
Southern Region Pipelines
"House of Four Farmers" 6/13, Wheelcore Road
Nungambakkam, Chennai-600 034

Sub: CRZ Clearance for "laying of common corridor pipeline (R-LNG spur pipeline) from Ennore to Manali, District Tiruvallur, Tamil Nadu - reg.

Sir,

This has reference to your proposal No. IA/TN/MIS/69466/2017, received in this Ministry for CRZ Clearance in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 issued under the Environment (Protection) Act, 1986.

2. The proposal has been considered by the Expert Appraisal Committee (EAC)-Infrastructure Development, Coastal Regulation Zone, Building/ Construction and Miscellaneous projects, in its 179th meeting held on November 28, 2017. The details of the project, as per the documents submitted and as informed during the aforesaid meeting is as under:

- (i) IOCL is in the process of establishing imported LNG storage and re-gasification terminal at Kamaraj Port Ltd. at Ennore with a capacity expandable upto 15 MMPTA and scheduled to be commissioned by June, 2018. For evacuation of gas and distribution of the same to various demand centres in the southern region pipelines are to be laid for immediate requirement to anchor customers in Chennai viz. Madras Fertilizers Ltd., Chennai Petroleum Corpn. Ltd., Tamil Nadu Petroproducts Ltd. and Manali Petrochemicals Ltd. and thus the proposed project.
- (ii) The pipeline will be 16" OD, laid underground from Ennore to various industries in Manali in Stage-1.
- (iii) The designed capacity of the pipeline will be 5.7 MMSCMD. The length of pipeline will be 22.656 Km of 16" main line and 6.625" dia. inside (spurline) anchor customers.
- (iv) It will also involve setting up of sectionalizing valve cum scrapper station at Ch. 11 km in Vallur Village.
- (v) The proposed pipeline falls in CRZ-I and CRZ-III. Length in CRZ-I will be 116 m and in CRZ III it will be 518 m.



- (vi) CRZ map indicating HTL, LTL demarcation in 1:4000 scale with proposed pipeline route superimposed on the map has been prepared by IRS, Anna University.
- (vii) The pipeline will be laid underground in entire stretch at minimum depth of 1.5 m and width 1.2 m.
- (viii) In most of the places, concrete coated pipeline shall be laid and at important crossings it will be laid through trenchless, Horizontal Directional Drilling Method, to a depth of minimum 10-15m below OGL.
- (ix) The underground pipeline is protected through 3 LPE coating externally and Epoxy coating internally in addition to cathodic protection.
- (x) Round the clock Operation and Maintenance of this R-LNG pipeline through SCADA Master Control Station.
- (xi) The total cost of the proposed project will be Rs 52.86 Crores
- (xii) The pipeline route follows a new independent RoW of common corridor (24 m width) and traverses through Ponneri and Tiruvottiyur Taluks of Tiruvallur District of Tamil Nadu state.
- (xiii) The Proposed pipeline will pass through lands of industries like Kamarajar port ltd, Sall department, NTECL, IOCL, PWD, NHAI and Government and minimum private lands.
- (xiv) The TNCZMA has recommended the project vide letter No. CRZ 17942/EC.3/2017-1, dated 09.10.2017.

3. Based on the information submitted as at para no. 2 above and others and presentation made before the EAC (Infrastructure Development, Coastal Regulation Zone, Building / Construction and Miscellaneous projects) in its 179th meeting held on November 28, 2017, and in acceptance of the recommendation of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords CRZ Clearance to the above project viz *"laying of common corridor pipeline (R-LNG spur pipeline) from Ennore to Manali, District Tiruvallur, Tamil Nadu"* under the CRZ Notification, 2011 and amendments thereto and circulars issued thereon, and subject to the compliance of the following specific and general conditions as under:

PART A – SPECIFIC CONDITIONS:

- (i) All the terms and conditions stipulated by the TNCZMA in their letter No. CRZ 17942/EC.3/2017-1, dated 09.10.2017, shall be strictly complied with and the status of implementation shall be submitted to all concerned agencies including the regional office of the Ministry of Environment, Forest and Climate Change.
- (ii) A 2% of the cost of the project shall be apportioned for marine and coastal biodiversity protection and conservation measures, to be spent by the project proponent towards fulfilling its Corporate Environmental Responsibility (CER) during the currency of the project. Proper record and account of measures taken should be maintained and should also be submitted to the CZMA every six months.

- (iii) The pipeline shall strictly conform to norms/regulations specified in OISD as may be applicable.
- (iv) SCADA system for monitoring and compliance mechanism shall be installed.
- (v) Proper signages shall be placed enroute the pipeline at regular intervals of 500 meters.
- (vi) An Emergency Response and Disaster Management Plan as per Petroleum and Natural Gas Regulatory Board (PNGRB) shall be in place before commissioning.
- (vii) The site shall be restored to its near original condition after completion of the work.
- (viii) 'Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.
- (ix) The construction in CRZ areas shall be done strictly in accordance with the provisions of CRZ Notification, 2011 and as amended from time to time.
- (x) Solid waste shall be collected, treated and disposed in accordance with the Solid Waste Management Rules, 2016.
- (xi) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (xii) A leak detection system shall be installed for identification of leakages and it shall be ensured that an inbuilt system of timely addressing mitigative measures is in place.

PART B - GENERAL CONDITIONS:

- (i) A copy of the clearance letter shall be uploaded on the websites of the Company/Proponent and concerned State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
- (ii) Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- (iii) 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.



- (iv) A six-monthly monitoring report shall need to be submitted by the project proponent to the concerned regional Office of this Ministry regarding the implementation of the stipulated conditions.
- (v) The Ministry of Environment, Forest & Climate Change 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.
- (vi) The above stipulations would be enforced among others under the provisions of the 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, the EIA Notification, 2006 and the CRZ Notification, 2011.
- (vii) Full co-operation shall be extended to the officials from the Regional Office of MoEF&CC, during monitoring of implementation of environmental safeguards stipulated. It shall be ensured that documents/data sought pertinent is made available to the monitoring team. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the concerned Regional Office of MoEF&CC.
- (viii) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (ix) The Ministry reserves the right to add additional safeguard measures subsequently, if considered necessary, and to take action to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner, including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, for non compliance.
- (x) 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 proponent from the respective competent authorities.
- (xi) The project proponent should 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 CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the concerned Regional Office of this Ministry.

4. 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.

5. 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.

6. 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.

7. The proponent shall upload the status of compliance of the stipulated 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&CC, the respective Zonal Office of CPCB and the SPCB.

8. 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 Office of the Ministry by e-mail.



(W. Bharat Singh)
Director/ Sc 'F'

Copy to:

1. The Secretary, Environment & Forests Department, Govt of Tamil Nadu, Saint George Port, Chennai.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD- cum- Office Complex, East Arjun Nagar, Delhi - 110032.
3. The Chairman, Tamil Nadu, Environment and Forests (EC.3) Department, Secretariat, Chennai-9.
4. The Chairman, Tamil Nadu State Pollution Control Board, 76, Mount Salai, Guindy, Chennai -- 600032.
5. The APCCF (C), MoEF&CC, RO, 1st Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai-34.
6. Guard File.
7. Monitoring File



(W. Bharat Singh)
Director/ Sc 'F'

