

F.No.11-45/2019-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi-3
Dated: 7th January, 2020

To,
✓ M/s Indian Oil Corporation Limited,
Southern Region Pipelines,
House of Four frames,
6/13, Wheat Groft Road, Nungabakkam,
Chennai - 34, Tamil Nadu

Sub: CRZ Clearance for construction of 30 inch (outer dia) Underground Natural Gas Pipeline from Ennore LNG Terminal situated inside Kamarajar Port Limited, Ennore, Tiruvallur District to Salavakkam Village, Uthiramerur Taluk, Kancheepuram District, Tamil Nadu - reg.

Sir,

This has reference to your online proposal No. IA/TN/CRZ/123194/2019 received in this Ministry for CRZ Clearance of the above mentioned project proposal, in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 issued under the Environment (Protection) Act, 1986.

2. The proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure Development, Coastal Regulation Zone, Building/ Construction and Miscellaneous projects, in its 228th meeting held on 29.11.2019. The details of the project as per the documents submitted and presented during the aforesaid meeting are as under:

- (i) Indian Oil Corporation has been authorized by Petroleum and Natural Gas Regulatory Board (PNGRB) to lay, build and operate 1423 km long pipeline including spurlines for evacuation of natural gas from its 5 MMTPA liquefied natural gas import terminal at Kamarajar Port (Ennore Port) near Chennai and its transportation to demand centres in various hinterlands of Tamil Nadu, Andhra Pradesh, Karnataka and Puducherry.
- (ii) In order to cater to immediate requirement of gas to anchor customers in Chennai viz. Madras Fertilizers Limited, Chennai Petroleum Corporation Limited, Tamil Nadu Petroproducts Limited and Manali Petrochemicals Limited a 16" OD Pipeline along with spurline has been laid from Ennore to Manali and commissioned on 08.03.2019. As a part of this project, 30" OD Pipeline is being laid from Ennore to Salavakkam Village in Uthiramerur Taluk, Kancheepuram District.
- (iii) The pipeline originates from the Ennore LNG Import Terminal and traverses in Tiruvallur and Kancheepuram Districts.
- (iv) The length of the pipeline is 120 Km and it traverses through 18 metre RoW acquired as per Petroleum & Minerals Pipeline Act (P & MP Act) 1962.
- (v) The initial 36Km of Pipeline RoW from Ennore Port to Poochi Athipattu Village (Uthukottai Taluk) has been acquired as per P&MP Act 1962. The pipeline from 36Km to 120 Km is being laid in the 18m RoW already acquired for laying of CTMPL Product pipeline.
- (vi) The project does not involve diversion of any forest land.



(vii) The brief description of Pipeline RoW is provided below.

S.No	Pipeline Chainage (Km)		Pipeline Length (Km)	RoW Type	Remarks
	From	To			
1	0	36.4	36.4	New RoW	Land acquisition completed
2	36.1	114.47	78.07	Existing IOCL RoW	Already acquired land
3	0	3.61(Spurline)	3.61	Existing IOCL RoW	Already acquired land
4	0	2.51(Spurline)	2.51	New RoW	SIPCOT Land

(viii) The proposed is traversing through the CRZ near Ennore creek. The details are provided below:

S.No	Length of Pipeline(Km)	CRZ Classification
1	1037.41	CRZ - III
2	655.98	CRZ - IVB
Total Length of Pipeline in CRZ :1.69 Km		

S.No	Chainage Starting Point (km)	Chainage Ending Point(km)	Length in (km)	CRZ Zone	Permissibility as per CRZ Notification 2011
1.	0	1.396	1.396	Non CRZ	CRZ notification clause 4 (ii) d
2.	1.396	1.466	0.070	CRZ-III	
3.	1.466	1.506	0.040	CRZ-IVB	
4.	1.506	1.52	0.014	CRZ-III	
5.	1.52	1.766	0.246	CRZ-IVB	
6.	1.766	1.798	0.032	CRZ-III	
7.	1.798	1.971	0.173	CRZ-IVB	
8.	1.971	2.549	0.578	CRZ-III	
9.	2.549	3.078	0.529	Non CRZ	
10.	3.078	3.36	0.282	CRZ-III	CRZ notification clause 4 (ii) d
11.	3.36	3.556	0.196	CRZ-IVB	
12.	3.556	3.624	0.068	CRZ-III	

(ix) The total cost of the project is Rs.849 Crores including the cost of project in CRZ area of about Rs 9.4 crores.

(x) The Tamil Nadu Coastal Zone Management Authority has recommended the above proposal for clearance vide their letter No. 17099/EC.3/2019-1, dated 15.10.2019.

3. Based on the recommendation of the Tamil Nadu Coastal Zone Management Authority issued vide its letter No. 17099/EC.3/2019-1, dated 15.10.2019, and information submitted as at para no. 2 above and information provided during the presentation before the Expert Appraisal Committee and others, the Ministry of Environment, Forest and Climate Change, in acceptance of the recommendation of the Expert Appraisal Committee (CRZ), hereby accords CRZ Clearance to the above project viz '*Construction of 30 inch (outer dia) Underground Natural Gas Pipeline from Ennore LNG Terminal situated inside Kamarajar Port Limited, Ennore, Tiruvallur District to Salavakkam Village, Uthiramerur Taluk, Kancheepuram District, Tamil Nadu*', under the provision of CRZ Notification, 2011 and

amendments thereto and circulars issued thereon, and subject to compliance of the following specific and general conditions as under:

PART A – SPECIFIC CONDITIONS:

- (i) No groundwater shall be extracted to meet with the water requirements during the construction and/or operation phase of the project.
- (ii) No excavated material during the construction shall be dumped in water bodies or adjacent areas.
- (iii) Any physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the erection project.
- (iv) As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1st May, 2018, and proposed by the project proponent, an amount of Rs. 8.49 crores i.e @1% of project Cost shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as support to local government, schools, sanitation and health including construction of public toilets in the surrounding villages, as per need based assessment carried out. The activities proposed under CER shall be restricted to the affected area around the project. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.
- (v) No construction (including cemented/concretised parking space for vehicles) shall be made in the NDZ area.
- (vi) Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be strictly implemented.
- (vii) All conditions/recommendations stipulated by the Tamil Nadu Coastal Zone Management Authority (TNCZMA) vide their letter No. 17099/EC.3/2019-1, dated 15.10.2019, shall strictly be complied with.
- (viii) 'Consent to Establish' and /or 'Consent to Operate' shall be obtained from State Pollution Control Board under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and / or the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.
- (ix) There shall be no dressing or alteration of the sand dunes present in the vicinity and the same shall be kept undisturbed. No alteration of natural features including landscape changes shall be undertaken for beautification, recreation and other such purpose.
- (x) No permanent labour camp, machinery and material storage shall be allowed in CRZ area.
- (xi) Temporary toilets will be provided for all construction labour. Suitable toilet fixtures for water conservation shall be provided. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.



- (xii) 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.
- (xiii) All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by Central/State Pollution Control Board. There shall not be any disposal of untreated effluent into the sea/coastal water bodies. It shall be ensured that the wastewater generated is treated in the STP as committed by the project proponent. The treated waste water shall be reused for landscaping, flushing and / or HVAC cooling purposes etc. within the development. The project proponent should also make alternate arrangement for situation arising due to malfunctioning of STP. There shall be regular monitoring of standard parameters of the effluent discharge from STP under intimation to the SPCB.
- (xiv) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (xv) Project Proponent shall ensure regular operation and maintenance of the STP to meet the effluent discharge standards laid down under the rules and should also meet conditions (if any) stipulated in Consent to Establish and Consent to Operate.
- (xvi) Ambient noise levels should conform to residential standards both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the ambient noise standards.
- (xvii) Diesel power generating sets proposed as source of back-up power should conform to rules notified under the Environment (Protection) Act, 1986 for diesel generator sets.
- (xviii) Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.

PART B - GENERAL CONDITIONS:

- (i) A copy of the clearance letter shall be uploaded on the website of the concerned State Coastal Zone Management Authority/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) 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.
- (iii) 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.
- (iv) 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.
- (v) 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 extant CRZ regulations.
- (vi) 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.
- (vii) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (viii) 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.
- (ix) 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.
- (x) 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 (CRZ)

Copy to:

1. The Principal Secretary, Environment & Forests Department (EC-3), Government of Tamil Nadu, Secretariat, Chennai - 600 009
2. The Chairman, Tamil Nadu Coastal Zone Management Authority, Environment & Forests Department (EC-3), Government of Tamil Nadu, Secretariat, Chennai - 600 009
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhavan, CBD cum Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Tamil Nadu Pollution Control Board, No. 76, Anna Salai, Guindy Industrial Estate, Race View Colony, Guindy, Chennai - 600 032
5. The Member Secretary, Tamil Nadu Coastal Zone Management Authority, Department of Environment, No.1, Jeenis Road, Panagal Building, Ground Floor, Saidapet, Chennai - 600 015
6. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), I and II Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai - 34
7. Guard File/ Record File/ Monitoring Cell.


(W. Bharat Singh)
Director (CRZ)