

**F.No.11-24/2019-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: 12<sup>th</sup> September, 2019

To,

M/s Indian Oil Corporation Limited,  
Pipelines Division,  
3/120, Gujarat refinery township,  
Jawaharnagar - 391320, Gujarat.

***Sub: CRZ Clearance for laying of cross country underground pipeline of 16 inch OD from PLL Terminal Dahej (District Bharuch) to Gujarat Refinery, Jawharnagar (District Vadodara) for transportation of R-LNG - reg.***

Sir,

This has reference to your online proposal No. IA/GJ/CRZ/110039/2019 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 219<sup>th</sup> meeting held on 25.07.2019. The details of the project as per the documents submitted and presented during the aforesaid meeting are as under:

- (i) The project is to lay 16" OD R-LNG pipeline for transportation of R-LNG. The proposed pipeline originates at Petronet LNG Limited Terminal, Dahej and terminates at Koyali Refinery. The total length of pipeline will be 106 Km.
- (ii) The pipeline is laid in the GIDC pipeline corridor and existing Koyali Dahej-ROW. The pipeline encounters a small portion of CRZ-III area near the Petronet LNG Limited terminal. The total length of pipeline in CRZ III area will be 441.7 m.
- (iii) The proposed pipeline would traverse through 2 districts of Gujarat namely Bharuch and Vadodara.
- (iv) Electricity will be provided for control units, control room and other electric equipment's from Petronet LNG Ltd. at Dispatch terminal and at refinery premises it will be provided from refinery. At SV locations connection shall be taken from GEB.
- (v) Water requirement will be required for this project on 5KLD for the various purposes such as drinking and greenbelt development.



- (vi) The pipeline system from Dahej to Koyali refinery is estimated to cost Rs. 320 crores at May 2017 price level.
- (vii) No Solid and Hazardous waste will be generated during Construction and operation phase.
- (viii) Diversion of 8 ha of forest land will be involved for which both Stage-I and Stage-II clearances have been obtained.
- (ix) Tree plantation in and around installation and development of green belts / ecological parks has been a significant feature of Indian Oil's operations. All refineries have developed green cover around their operations. Extensive tree plantation is carried out in Marketing and Pipelines installations and R&D Centre.
- (x) Horizontal Directional Drilling (HDD) will be carried out at major river crossings.
- (xi) Gujarat CZMA has recommended the above proposal for clearance vide their letter No. ENV-10-2018-156-E (T cell) dated 10.05.2019.

3. Based on the recommendation of the Gujarat Coastal Zone Management Authority issued vide its letter No. ENV-10-2018-156-E (T cell) dated 10.05.2019, 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 '*Laying of cross country underground pipeline of 16 inch OD from PLL Terminal Dahej (District Bharuch) to Gujarat Refinery, Jawharnagar (District Vadodara) for transportation of R-LNG*', 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) A robust conservation, plantation of native mangroves and management plan for immediate implementation in consultation with the concerned agency in the State shall be prepared within six months and implemented during the course of execution of the project.
- (ii) No groundwater shall be extracted to meet with the water requirements during the construction and/or operation phase of the project.
- (iii) Construction camps (if any) shall be located outside the CRZ areas and any physical infrastructure setup during construction shall be removed with a month of completion of the project.
- (iv) As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May, 2018, and proposed by the project proponent, an amount of Rs. 4.8 Crore (@1.5% of project Cost) shall be earmarked under Corporate Environment

Responsibility (CER) for the activities such as support to local government, schools w.r.t. sanitation and health, construction of public toilets in the surrounding villages, medical camps, rainwater harvesting, Installation of street lights in nearby villages as per requirement and solid waste facilities like two bin dustbin in nearby villages. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. 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 Gujarat Coastal Zone Management Authority (GCZMA) vide their letter No. ENV-10-2018-156-E (T cell) dated 10.05.2019, 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) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, of the Ministry along with six monthly monitoring reports.
- (x) 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.
- (xi) Construction shall be strictly in accordance with the provisions of CRZ Notification, 2011 and as amended from time to time.
- (xii) No permanent labour camp, machinery and material storage shall be allowed in CRZ area.
- (xiii) 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.



- (xiv) 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.
- (xv) 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.
- (xvi) 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.
- (xvii) 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.
- (xviii) 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.
- (xix) 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.
- (xx) 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.

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 31<sup>st</sup> 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 Secretary, Forests & Environment department, Government of Gujarat, Sachivalaya, 8<sup>th</sup> Floor, Sector 10A, Gandhinagar (Gujarat)

2. The Member Secretary, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110032.
3. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar - 382010 (Gujarat)
4. The Member Secretary, Forests & Environment department, Gujarat Coastal Zone Management Authority, Government of Gujarat, Sachivalaya, 8<sup>th</sup> Floor, Sector-10A, Gandhinagar (Gujarat)
5. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal - 462016 (Madhya Pradesh)
6. Guard File/Monitoring File



**(W. Bharat Singh)**  
Director (CRZ)