

F.No.11-30/2016-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: 19th December, 2016

To

The Senior Terminal Manager (FST),
M/s Indian Oil Corporation Ltd,
Foreshore Terminal, Inside CPT Premises,
G.M. Pettai Road, Royapuram,
Chennai – 13 (Tamil Nadu)

Sub: 'Rerouting of Foreshore Terminal pipeline from Foreshore Terminal to Royapuram RS (Group B)' in Chennai (Tamil Nadu) by M/s Indian Oil Corporation Limited – CRZ Clearance - reg.

Sir,

This has reference to your application No.FST/OPS/CRZ/P/L dated 13th August, 2016, submitting the above proposal to this Ministry for grant of CRZ Clearance in terms of the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 under the Environment (Protection) Act, 1986.

2. The proposal for **'Rerouting of Foreshore Terminal pipeline from Foreshore Terminal to Royapuram RS (Group B)'** in Chennai (Tamil Nadu) promoted by M/s Indian Oil Corporation Limited, was considered by the Expert Appraisal Committee (EAC) in the Ministry for Infrastructure Development, Coastal Regulation Zone, Building/ Construction and Miscellaneous projects, in its 162nd meeting held 29-30 August, 2016.

3. The details of the project, as per the documents submitted by the Project Proponent, and also as informed during the above said EAC meeting, are reported to be as under:-

(i) The project is for rerouting of Foreshore Terminal pipeline from Foreshore Terminal to Royapuram RS (Group B) in Chennai (Tamil Nadu). The project is at the additional land of Foreshore Terminal, Chennai located inside Chennai Port trust premises. The coordinates of Hook Up Point (TP66) to existing Jetty lines are: E=424020.341 & N=1450072.915) and the coordinates for entry point to the additional land (TP64) are: E=423932.461 & N=1449799.612).

(ii) The proposal is for re-routing/ re-laying of three new piggable lines namely, one line for Black Oil, second for White Oil and third for Lube Oil in Railway land/Port land connecting Korukkupet and Chennai Port through the areas which will facilitate better management and maintenance of dock lines in the subject stretch. White Oil, Black Oil lines from FST and Lube Oil Line from North Quay are connected to the lines coming from Korrukupet Terminal at Royapuram RS.

(iii) The project of re-routing/re-laying of the proposed 3 piggable underground pipelines has been conceived in two Groups viz.



- (a) Group A- Laying of pipelines from IOCL Korrukupet to Royapuram RS in the Railway land with necessary hooking up arrangement at Korukkupet to connect to CPCL through the existing pipeline system.
- (b) Group B- Laying of pipelines from Royapuram RS to IOCL Foreshore Terminal (FST) & North Quay (existing Lube Oil Facilities) inside Chennai Port falling under CRZ including hooking up with the existing pipeline system at Foreshore Terminal and Jetty.
- (iv) Laying of Dock lines for White Oil (20" Dia x 1.5 kms length) & Black Oil (14" Dia x 1.5 kms length) from FST to Royapuram RS and Lube line (12" Dia x 1.5 kms length) from North Quay Jetty to Royapuram RS including Construction of Fire Pump House, Product Pump House, Control Room, MCC Room, manifold and pipeline inter-connecting facility in the additional land at Foreshore Terminal.
- (v) Activities also include Decommissioning of existing dock lines of White Oil (20" Dia), Black Oil (14" Dia), Naptha (16" Dia) and Lube line (12" Dia) by flushing with water for cleaning/evacuating the product and dismantling the pipelines, wherever, possible. The decommissioning activity shall be taken up after the commissioning of the proposed 3 new underground piggable pipelines.
- (vi) As far as CRZ zonation in terms of the CRZ Notification, 2011 is concerned, the activities proposed above, are falling in CRZ-II area.
- (vii) The total plot area is 10600 sqm for pipeline interconnecting facility, such as, piping manifold, pig launchers/receivers and control room, MCC Room, fire fighting pump house, product pump house and 3000 sqm as ROW (Right of Way) for pipeline route inside CRZ Zone-II.
- (viii) Handling capacity of pipelines is 2.0 MMTPA.
- (ix) **SCZMA Approval:** The Tamil Nadu Coastal Zone Management Authority has recommended the project vide their letter No.R.C.No.P1/1081/2016 dated 8th August, 2016 for the activities referred under Group B above.
- (x) During construction phase, total water requirement is expected to be approx. 50 KL which will be purchased from the market. No waste water generation and solid waste generation are anticipated during construction phase and hence, treatment/disposal is not applicable.
- (xi) **Cost of the project:** The cost of the project for the Group-B activities (FST to Royapuram RS) is Rs.16.92 Crore within CRZ area and cost of Group-A activities (IOCL KKPT to Royapuram RS) is Rs.32.58 Crore outside CRZ area and hence total project cost is Rs. 49.50 Crores outside CRZ area.
- (xii) The total power requirement during construction phase shall be met through Power pack units by the vendor and total power requirement during operation continue to be the existing demand of 550 kVA which will be met from Tamil Nadu Electricity Board Supply/Generator.
- (xiii) Rain Water harvesting pits shall be provided in the project for the down take pipes of the buildings.
- (xiv) **Forest land involvement, if any:** No.
- (xv) Proposed energy saving measures would save about 15% of power.
- (xvi) **Eco-sensitive area:** The project is not located within 10 km of any Eco-sensitive areas.
- (xvii) There is no case pending against the project.
- (xviii) **Employment potential:** Only re-routing of Dock lines and hence no Employment Potential.
- (xix) **Benefits of the project:** Over the years, in and around the pipeline route between Korukkupet Tl and Foreshore Tl habitations have come up and road infrastructure has also developed over the pipelines. Therefore, the safety and

maintenance of the lines has become challenging. Taking up any major maintenance like replacement / repairs of lines in the underground stretches is extremely difficult due to the thick habitations and high level of traffic/movement of public in the area. These lines were not designed and constructed as piggable and thus taking up periodic integrity assessment study is not feasible. Hence, it is proposed to re-route/replace the UG portion of the pipeline with piggable line for safe and reliable operation. The lines are serving the vital requirement of the Nation, in meeting the requirements of Defense/Para military, Power Sector, Railways, Transport, Major industries and PDS besides meeting the MS/HSD demand of Tamil Nadu, Pondicherry UT and parts of adjoining states namely Andhra Pradesh and Karnataka.

4. The EAC in its 162nd meeting held on 29-30 August, 2016, has recommended the project for grant of CRZ Clearance. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords CRZ Clearance to the above project '**Rerouting of Foreshore Terminal pipeline from Foreshore Terminal to Royapuram RS (Group B)**' in Chennai (Tamil Nadu) promoted by M/s Indian Oil Corporation Limited, under the provisions of CRZ Notification, 2011 and amendments thereto and circulars issued thereon and subject to the compliance of the specific and general conditions as under:-

PART A – SPECIFIC CONDITIONS

Construction Phase

- (i) The construction in CRZ areas shall strictly be in accordance with the provisions of the CRZ Notification, 2011.
- (ii) There shall be no dressing or alteration of sand dunes, natural features including landscape changes for beautification, recreation and other such purpose.
- (iii) The project proponent shall ensure all the safety measures, as proposed for the project site, to meet any contingency.
- (iv) No permanent labour camp, machinery and material storage is allowed in CRZ Area.
- (v) The project proponent shall not undertake any construction within 200 m in the landward side of High Tide Line and within the area between Low Tide Line and High Tide Line. The proposed constructions shall be beyond 200 m from the HTL.
- (vi) There shall no ground water drawl within CRZ without approval of the competent Ground Water Authority.
- (vii) The project proponent shall obtain necessary permission/clearances from the concerned authorities as applicable.
- (viii) Installation and operation of DG sets shall comply with the guidelines of CPCB. The D.G set shall be at least 6 m away from the boundary.
- (ix) All the recommendations/conditions stipulated by the Tamil Nadu Coastal Zone Management Authority vide their letter No.R.C.No.P1/1081/2016 dated 8th August, 2016, shall strictly be complied with.

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- (x) The smooth and safe operation of the system shall be ensured by incorporating a computerized SCADA (Supervisory Control And Data Automation) system. Any leakage in the pipeline shall be immediately detected by the Computer system and product pumping shall be immediately cut off.
- (xi) Oil Spill Contingency Management Plan shall be put in place.
- (xii) Necessary signages shall be installed in both English and local languages wherever the pipeline is passing.
- (xiii) The project proponent shall ensure periodic pigging to check the health of the pipeline.
- (xiv) The project proponent shall take all measures to provide protection to the pipeline against corrosion, leak and any other possible mechanical damage as committed in the EIA/EMP Report.
- (xv) Internationally accepted codes and practices should be followed in designing the pipeline system and their compliance should be guaranteed through proper inspection, frequent evaluation and intensive testing of all critical components.
- (xvi) Intertidal and super tidal areas should be restored to their original contour after pipeline laying activities are over by general clean-up.
- (xvii) There shall no tapping of ground water within CRZ area.
- (xviii) There shall be no disposal of waste or sewage in to the sea, creek or in CRZ area.
- (xix) Routine post project monitoring of coastal marine environment must be undertaken after evolving marine environment quality criterion for the region through planned systematic studies.

PART B – GENERAL CONDITIONS

- (i) A copy of the clearance letter shall also be displayed on the website of the 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) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.

5. Officials from the Regional Office of MoEF&CC, Chennai who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Chennai.

6. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.

7. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the

CRZ Clearance under the provisions of the Environmental (Protection) Act, 1986 to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

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 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 CRZ Notification, 2011.

10. 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 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 Regional Office of this Ministry at Chennai.


11. 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.

12. 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.

13. 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.


14. The proponent shall upload the status of compliance of the stipulated CRZ Clearance conditions, including results of monitored data in respect of ambient air quality parameters namely SPM, RSPM, SO₂, NO_x during construction phase of the project, on their website and shall update the same periodically.

15. 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 CRZ Clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.


(S. K. Srivastava)
Scientist E

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-32
3. The Member Secretary, Tamil Nadu State Pollution Control Board, Mount Salai, Guindy, Chennai
4. The Director, Environment Department, Govt. of Tamil Nadu, Chennai
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.


19/12/2016
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