

F. No. 11-04/2021- IA III
Government of India
Ministry of Environment, Forest and Climate Change
IA-III Division (CRZ)

Indira Paryavaran Bhawan

Jor Bagh Road,

New Delhi -110003

Dated: 19th May, 2021

To,

The Chief Manager,
M/s Numaligarh Refinery Limited (NRL),
Pankagrath Numaligarh Refinery Complex
Golaghat District, Assam -785699

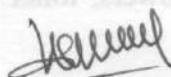
Subject: CRZ clearance for Installation of Crude Oil Terminal (COT) at Sandhakud Village Jagatsinghpur District, Odisha and crude oil pipeline from IOCL COT to NRL COT - regarding.

Sir,

This has reference to your online proposal No. IA/OR/CRZ/197305/2021 received in this Ministry on the above mentioned project proposal 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 was considered by the Expert Appraisal Committee (EAC) for Infrastructure Development, Coastal Regulation Zone, Building / Construction and Miscellaneous projects, in its 257th meetings held on 05/03/2021. The details of the project as per the documents submitted and presented during the aforesaid meeting are as under

- (i) Numaligarh Refinery Limited (NRL) was set up as a developmental project under the "Assam Accord" signed in the year 1985. NRL is a central government Public sector undertaking and a subsidiary of Bharat Petroleum Corporation Ltd operates a 3.0 MMTPA refinery at Numaligarh in the district of Golaghat, Assam. Present share holding pattern of NRL is as follows: Bharat Petroleum Corporation Limited (BPCL) 61.65%, Oil India Limited (OIL) 26% and Govt. of Assam (GoA) 12.35%.
- (ii) The 3.0 MMTPA Refinery was commissioned in 2000 to process indigenous Assam crude. The present crude oil requirement is met from Assam crude supplied by Oil India Limited (OIL). Over The years, NRL has not been able to operate at 100% capacity due to inadequate availability of crude oil.
- (iii) Government of India has given approval in January, 2019 for capacity expansion of Numaligarh Refinery from 3.0 MMTPA to 9.0 MMTPA at an estimated project cost of ₹22594 Crore. The project is integrated with a 1630 km crude oil pipeline from Paradip (Odisha) to Numaligarh (Assam) and a product pipeline from Numaligarh to Siliguri where NRL has its own Marketing Terminal for distribution of product.
- (iv) Installation of Crude Oil Terminal (COT) at Sandhkuda Village and 4.5 Km Crude Oil Pipeline from nearby IOCL-COT at Paradip to proposed NRL-COT.
- (v) The proposed Crude oil storage tanks are 10 and each tank capacity is 60,000 KL each.
- (vi) The length of discharge pipeline from the COT area to shore will be of 800 m and from shore to the outfall point will be 400 m (Total 1200 m).

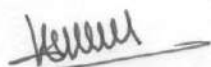


- (vii) The outfall discharge point will have multiport diffuser arrangement in order to obtain better dilution of effluent released into the sea.
- (viii) Depth of outfall point from surface of water will be 2 m.
- (ix) The proposed treated effluent pipeline will be routed through Casuarina plantation. Approximately, 30 nos. Casuarina trees will be cut for project.
- (x) Capacity of STP will be 11 KLD and the total 384 KLD Quantity of effluent generated/treated. The effluent will be treated in Effluent Treatment Plant and ETP treated effluent will be disposed off to sea suitably.
- (xi) During operational period, 40 KLD water is required for proposed COT project. The water will be made available by Paradip Port Trust (PPT) sourced from nearby Taldanda canal.
- (xii) Estimated energy requirement is 3MVA during construction Phase & 10 MVA during operation Phase which shall be sourced through Tata Power Central Odisha Distribution Ltd (TPCODCL).
- (xiii) The CRZ map of 1:4000 has been prepared by Institute of Remote Sensing, Anna University, Chennai, as per approved CZMP and CRZ Notification 2011.
- (xiv) The employment potential of the project is 95 (45 persons permanently employed during operational phase and 50 nos. during construction phase).
- (xv) The total cost of the project is ₹1420 Cr.
- (xvi) Odisha Coastal Zone Management Authority (OCZMA) has recommended the project vide its letter No. OCZMA/54/2020/37/OCZMA, dated 01/02/2021.

3. Based on the recommendation of the Odisha Coastal Zone Management Authority (OCZMA) issued vide its letter No. OCZMA/54/2020/37/OCZMA, dated 1st February, 2021, 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. 'Installation of Crude Oil Terminal (COT) at Sandhakud Village Jagatsinghpur District, Odisha and crude oil pipeline from IOCL COT to NRL COT', 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) Disposal of treated effluent into Sea shall strictly conform to the prescribed standards of CPCB / SPCB.
- (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) Construction shall be strictly in accordance with the provisions of CRZ Notification, 2011 and as amended from time to time.
- (v) Temporary toilets will be provided for all construction labour. Suitable toilet fixtures for water conservation shall be provided. Fixtures for showers, toilet flushing and

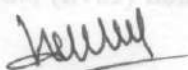


drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.

- (vi) All conditions/recommendations stipulated by the Odisha Coastal Zone Management Authority (OCZMA) has recommended the project vide its letter No. OCZMA/54/2020/37/OCZMA, dated 01/02/2021, shall strictly be complied with.

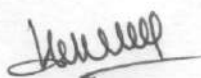
PART B - GENERAL CONDITIONS:

- (i) No excavated material during the construction shall be dumped in water bodies or adjacent areas. The site shall be restored to its near original condition after completion of construction.
- (ii) Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be strictly implemented.
- (iii) '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.
- (iv) No permanent labour camp, machinery and material storage shall be allowed in CRZ area.
- (v) 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.
- (vi) 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.
- (vii) 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.
- (viii) 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.



- (ix) 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.
- (x) 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.
- (xi) 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.
- (xii) 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.
- (xiii) 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.
- (xiv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (xv) 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.
- (xvi) 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.
- (xvii) 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.

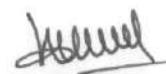


5. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

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.

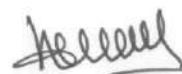
8. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website 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.



(Dr. H. Kharkwal)
Additional Director /
Scientist 'E' (CRZ)

Copy to:

1. The Principal Secretary, Department of Forest & Environment, Plot No.108, Unit VII, Surya Nagar, Bhubaneswar - 751003, Odisha
2. The Chairman, Odisha Coastal Zone Management Authority, Forests & Environment Department, Odisha Secretariat, Sachivalaya Marg, Bhubaneswar - 751001, Odisha.
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhavan, CBD cum Office Complex, East Arjun Nagar, Delhi - 110032
4. The Member Secretary, Odisha Pollution Control Board, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit - VIII, Bhubaneswar - 751012, Odisha.
5. The Member Secretary, Odisha Coastal Zone Management Authority (OCZMA), Forests & Environment Department, Odisha Secretariat, Sachivalaya Marg, Bhubaneswar - 751001, Odisha.
6. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (EZ), A/3, Chandrasekharpur, Bhubaneswar-751023
7. Guard File / Record File / Monitoring Cell.



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