

F.No. 11-24/2017-IA-III
Government of India
Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 110003
Dated: 3rd October, 2017

To,

The Group General Manager
Head Engineering Services
Oil and Natural Gas Corporation Ltd
Uran Plant,
Raigad, Maharashtra
Uran- 400 702

Sub: CRZ Clearance for setting up of 20 MLD SWRO Desalination Plant inside ONGC Uran Plant, Uran, District Raigad, Maharashtra - reg.

Sir,

This has reference to your proposal No. IA/MH/MIS/34024/2015, 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 for setting up of 20 MLD Sea Water Reverse Osmosis (SWRO) based Desalination Plant within the ONGC Uran Plant, in District Raigad, Maharashtra has been recommended for CRZ clearance by the Expert Appraisal Committee (EAC) - Infrastructure Development, Coastal Regulation Zone, Building / Construction and Miscellaneous projects in its 173rd meeting held on July 24, 2017. The details of the project, as per the documents submitted by you and as informed to the EAC are noted as under:

- (i) The desalination plant will be set up within the existing ONGC Uran Plant in an area earmarked and measuring about 8750 m².
- (ii) The estimated capital cost of the project is about Rs. 266.40 Crores.
- (iii) The desalination plant is located outside CRZ area.
- (iv) The details of the associated project components i.e intake channels and outfall pipelines etc. are as follows:

CRZ category	Description	Area/ Length of Pipeline under CRZ	Area under CRZ (Ha)
CRZ-I B	Intake Channel	134 m	0.0268
	Outfall Pipeline	150 m	0.036
CRZ-III	Pump House	83.2 m ²	0.00832
	Intake Channel	28 m	0.0056
	Outfall Pipeline	100 m	0.0240
CRZ-IVB	Intake Channel	1366 m	0.7932
	Outfall Pipeline	2225 m	0.5340



- (v) Project layout superimposed on CRZ map of 1: 4000 scale has been prepared by Institute of Remote Sensing, Anna University, Chennai.
- (vi) 15-20% of membrane elements will be replaced from 3rd year onwards
- (vii) Green belt will be developed in the ONGC Uran plant.
- (viii) Power requirement: 5 MW.
- (ix) The desalinated water at a rate of 1013 m³ /hr will be produced from the plant and the brine generated with a TDS of 66300 will be discharged into the sea @ 1750 m³/hr through 6 ports submerged diffuser system.
- (x) The time for dilation of brine discharged in mixing zone is minimum at 27 seconds during ebb phase of spring tide, and maximum at 1443 seconds during low water slack of neap tide orientation and descends to the seabed and travels along the seabed thereafter
- (xi) The chlorinated seawater at the rate of about 2763 m³/hr will be drawn by constructing the seawater intake canal system to the intake well located within the plant site
- (xii) Mangroves are present at 7 km from project site.
- (xiii) The major benefit of the proposed project is supply of water for industrial use and thus reducing its demand on other sources with the help of SWRO technology.
- (xiv) Employment potential: 30 nos.
- (xv) Maharashtra Coastal Zone Management Authority has recommended the proposal vide its Letter no. CRZ-2015/CR-387/TC-4, dated 04.10.2016

3. Based on the information submitted by you as at para no. 2 above and presentation made before the EAC (Infrastructure Development, Coastal Regulation Zone, Building / Construction and Miscellaneous projects) in its 173rd meeting held on July 24, 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 '*Setting up of 20 MLD SWRO Desalination Plant inside ONGC Uran Plan, Uran, District Raigad, Maharashtra*' subject to the following specific and general conditions:

PART A - SPECIFIC CONDITIONS:

- (i) All conditions/recommendations stipulated by the Maharashtra Coastal Zone Management Authority (MCZMA) vide its letter no. CRZ-2015/CR-387/TC-4, dated 04.10.2016 shall strictly be complied with.
- (ii) This clearance is subject to obtaining 'NOC' from Maharashtra Pollution Control Board for discharge of brine water into the sea after necessary safeguards.
- (iii) '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.
- (iv) The project proponent shall submit a time bound action plan for handling of brine generated from the desalination plan.

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- (v) A 2% of the capital 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.
- (vi) 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.
- (vii) Solid waste shall be managed as per Solid Wastes Management Rules, 2016.
- (viii) There shall be no dressing or alteration of the sand dunes, natural features including landscape changes for beautification, recreation and other such purpose.
- (ix) Soil and ground water samples in and around the SWRO Desalination Plant shall be tested regularly to ascertain that there is no threat to ground water quality through ingress/leaching of sea water.

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) The funds earmarked for environmental protection measures shall be kept in a separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.
- (iii) 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.
- (iv) 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.
- (v) 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.
- (vi) 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.

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- (vii) 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.
- (viii) 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.
- (ix) 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.
- (x) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (xi) 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.
- (xii) 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.
- (xiii) 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 Parishad/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.


(**Arvind Nautiyal**)
Director

Copy to:

1. The Secretary, Department of Environment, Govt. of Maharashtra, Mantralaya, Mumbai - 400032
2. The Chairman, CPCB, Parivesh Bhawan, CBD cum-Office Complex, East Arjun Nagar, Delhi-110032
3. The Chairman, Maharashtra Coastal Zone Management Authority, Room No. 217 (Annexe), Mantralaya Mumbai-400032
4. The Member Secretary, Maharashtra Pollution Control Board, Sion (E), Mumbai
5. The APCCF, MoEF&CC, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur.
6. Guard File
7. Monitoring Cell.


(**Arvind Nautiyal**)
Director