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F.No. 11-46/2017-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 110003
Dated: 25.10.2018

To,

✓
Coromandel International Limited
Post Box No.2, Ennore Express Highway Road
Chennai- 600 057, Tamil Nadu

Sub: CRZ Clearance for setting up of sea water intake system by realigning of existing intake and outfall pipeline route at Ennore, Tiruvottiyur Taluk, Tiruvallur District, Tamil Nadu- reg.

Sir,

This has reference to your proposal No. IA/TN/MIS/69795/2017, 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 has been considered by the Expert Appraisal Committee (EAC)-Infrastructure Development, Coastal Regulation Zone, Building/ Construction and Miscellaneous projects, in its 179th meeting held on November 28, 2017. The details of the project as per the documents submitted and as informed during the aforesaid meeting is as under:

- (i) Coromandel International Ltd. has a fertilizer unit at Ennore for manufacturing various products such as ammonium phosphate sulphate, gypsum, phosphoric acid and sulphuric acid. The company also has a Multi Effect Distillation (MED) unit within the existing facility for extraction of distilled water from saline water for product manufacturing.
- (ii) Presently saline water is sourced from the existing outfall channel of Ennore Thermal Power Station based on mutual agreement between TANGEDCO and Coromandel International Ltd.
- (iii) TANGEDCO has planned to shut down the existing outfall channel as part of restoration of ETPS and informed Coromandel International Ltd to have its own individual sea water facility for operating the MED unit.
- (iv) This has resulted in stoppage of MED unit, shortage of fresh water and drop in production of Phosphatic Fertilisers from the facility, which is a vital input to the farming community.
- (v) Hence, to ensure continued operation of MED unit and sustainable production of fertilisers, Coromandel International Ltd. proposes to set up independent sea water intake facility for drawing water from the sea to meet MED operation, with no change in the existing sea water outfall.
- (vi) Final outfall sea water temperature will be close to ambient temperature.
- (vii) Salinity of the outfall water will be reduced to 49ppt from 54ppt.

- (viii) Numerical modelling confirms salinity gets diluted within 107m from the outfall point with a raise in ambient of 0.008ppt, which is negligible.
- (ix) No additional land usage is envisaged.
- (x) Installation of new independent sea water intake line to the plant premises parallel to the existing sea water outfall, with water drawn 100 meters away from the sea coast.
- (xi) The proposed project will fall under CRZ II & CRZ IV (a) as per CZMP.
- (xii) CRZ maps 1:4,000 scale has been prepared by IRS, Anna University.
- (xiii) No activity in CRZ I(B) as intertidal region is not available at proposed project site due to seawall along the coast
- (xiv) The proposed sea water intake facility is a permissible activity and falls under 4(f) of CRZ notification 2011
- (xv) No Ecologically Sensitive Areas viz., mangroves, sanctuaries, mudflats etc. are present near the project vicinity
- (xvi) The total cost of the proposed project is Rs 3.0 crores.
- (xvii) NOC has been obtained from TNPCB, vide Lr.No.T12/TNPCB/F.101 AMB/RL/2017 dated 30.06.2017.
- (xviii) The TNCZMA has recommended the project vide letter No. 17943/EC-3/2017-1, dated 02.11.2017.

3. Based on the information submitted as at para no. 2 above and others and presentation made before the EAC (Infrastructure Development, Coastal Regulation Zone, Building / Construction and Miscellaneous projects) in its 179th meeting held on November 28, 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 sea water intake system by realigning of existing intake and outfall pipeline route at Ennore, Tamil Nadu"* under the provision of the CRZ Notification, 2011 and amendments thereto and circulars issued thereon, and subject to the compliance of the following specific and general conditions as under:

PART A – SPECIFIC CONDITIONS:

- (i) All conditions/recommendations stipulated by the Tamil Nadu Coastal Zone Management Authority (TNCZMA) vide their letter dated 02.11.2017, shall strictly be complied with.
- (ii) A 2% of the 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.
- (iii) Consent to Establish and Consent to Operate, as applicable, 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) All the other mandatory permission from different statutory authorities should be obtained prior to commencement of work.
- (v) The project proponent shall ensure that any likely impact due to the proposed activity on the marine environment during construction and operational phases on the marine environment is managed through a robust marine environment management plan (MEMP) and implemented in letter and spirit.
- (vi) The outfall point shall be placed at depth not less than 2.5 m from the surface of the water.
- (vii) Construction shall be strictly in accordance with the provisions of CRZ Notification, 2011 and as amended from time to time.
- (viii) A leak detection system shall be installed for identification of leakages and it shall be ensured that an inbuilt system of timely addressing mitigative measures, is in place.
- (ix) Solid waste shall be collected, treated and disposed in accordance with the Solid Waste Management Rules, 2016.
- (x) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and shall be disposed taking necessary precautions for general safety and health aspects of people, only in the sites with the approved by the competent authority.

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) 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.
- (iii) 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.



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


(W. Bharat Singh)
Director/ Sc 'F'

Copy to:

1. The Secretary, Environment & Forests Department, Govt of Tamil Nadu, Saint George Port, Chennai.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD- cum- Office Complex, East Arjun Nagar, Delhi - 110032.
3. The Chairman, Tamil Nadu, Environment and Forests (EC.3) Department, Secretariat, Chennai-9.
4. The Chairman, Tamil Nadu State Pollution Control Board, 76, Mount Salai, Guindy, Chennai - 600032.
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


(W. Bharat Singh)
Director/ Sc 'F'