F.No. 11-37/2016-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 110003
Dated: 25.10.2018

To,
Chennai Metropolitan Water Supply & Sewerage Board
No.1, Pumping Station Road,
Chintadripet, Chennai-600 002

Sub: CRZ Clearance for setting up of 400 MLD capacity desalination Plant at Perur, East Coast Road, Chennai, Tamil Nadu - reg.

Sir,

This has reference to your proposal No. IA/TN/MIS/59770/2016, received in this Ministry seeking CRZ Clearance for setting up of 400 MLD capacity desalination Plant at Perur, East Coast Road, Chennai, Tamil Nadu, 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 in the 165th meeting held on 16-17 January, 2017; 175th meeting held on 28th November, 2017; and 190th Meeting held on 08.05.2018 respectively. The project has been recommended for CRZ clearance by the Expert Appraisal Committee (EAC) - Infrastructure Development, Coastal Regulation Zone, Building/Construction and Miscellaneous projects in its 190th meeting held on 08.05.2018. The details of the project, as per the documents submitted by you and as informed to the EAC are noted as under:

i) The proposed project is for setting up of a 400 MLD Desalination plant involving laying of sea water intake pipeline, outfall pipeline, construction of seawater intake head and outfall diffuser along with intake sump and a pump house.

ii) The proposed project is aimed at augmentation of drinking water supply in the southern and western parts of Chennai city with no perennial source of surface water.

iii) The site is located at Eastern side of East Coast Road (ECR) at 120 42' 44” N, 800 14’ 26” E is approximately 40 km south from the city.

iv) Two intake structure at 10 m depth and two intake pipe each of 2500 mm dia. of HDPE will be set up. The sea water intake head will be located at a distance of about 1150m from the shoreline at 10 m depth.

v) The outfall will be a single pipeline of 2500 mm dia HDPE. The outfall diffuser will be located at 750 m distance from the shoreline at 8 m water depth.

vi) For Reverse osmosis two permeate storage tanks will be used.

vii) The seawater of 47791.66 m3 /hour will be drawn from the sea and about 31125 m3 /hour of brine reject will be released into the sea.

viii) The proposed project site is located in CRZ- III and CRZ- IV as per CZMP.
ix) CRZ map indicating HTL, LTL demarcation in 1:4000 scale with the proposed desalination plant route superimposed on the map has been prepared by IRS, Anna University.

x) The total power requirement for running the plant will be sourced from the grid supply of TNEB.

xi) The total cost of the project will be Rs 3912.15 crores.

xii) The TNCZMA has recommended the project for CRZ clearance vide its letter Nos. 844/EC.3/2016-1, dated 14.01.2016 and No. 24117/EC.3/2017-1, dated 09.01.2018, respectively.

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 190th meeting held on 08.05.2018, 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 400 MLD capacity desalination Plant based on Sea Water Reverse Osmosis at Perur, East Coast road, Chennai, Tamil Nadu, subject to the following specific and general conditions:

PART A - SPECIFIC CONDITIONS:

(i) The project proponent shall implement the shoreline erosion control and management plan framed by the State government, as may be applicable in the area.

(ii) The project proponent shall submit an undertaking to the TNCZMA before commencement of work of the proposed plant stating that it shall bear full cost of environmental damage and restitution arising due to setting up of the proposed 400 MLD desalination plant.

(iii) All conditions/recommendations stipulated by the Tamil Nadu Coastal Zone Management Authority (TNCZMA) vide its letter no. 844/EC.3/2016-1, dated 14.01.2016 and letter No. 24117/EC.3/2017-1, dated 09.01.2018 respectively, shall strictly be complied with.

(iv) 'NOC' from Tamil Nadu Pollution Control Board for discharge of brine water into the sea after necessary safeguards shall be obtained prior to commencement of operation.

(v) '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, prior to commencement of work.

(vi) The project proponent shall ensure that the temporary structures installed for laying of pipe lines are removed within three months of accomplishment of the work.
(vii) The project proponent shall ensure that the structure proposed to be set up is Tsunami resistant.

(viii) 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.

(ix) Solid waste shall be collected, treated and disposed of in accordance with the Solid Waste Management Rules, 2016.

(x) There shall be no dressing or alteration of the sand dunes, natural features including landscape changes for beautification, recreation and other such purpose.

(xi) 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.

(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 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.

(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 State Pollution Control Board, 76, Mount Salai, Guindy, Chennai – 600032.
4. The Member Secretary, Tamil Nadu Coastal Zone Management Authority, Department of Environment and Forests, Government of Tamil Nadu, First Panaqal Building, Saidapet, Chennai 600015.
5. The APCCF (C), MoEF&CC, RO, 1st Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai-600034.
7. Monitoring File

(W. Bharat Singh)
Director/ Sc ‘F’