

F.No.11/5/2022-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: 24th March, 2022

To,

The Executive Engineer
M/s COROMANDEL INTERNATIONAL LIMITED,
Coromandel International Limited,
Post Box No: 1116, Sriharipuram, Malkapuram,
Post, Visakhapatnam- 530011
Andhra Pradesh

Subject: CRZ clearance for Construction of Seawater Reverse Osmosis Plant (Desalination Plant) with Capacity of 15MLD by M/s Coromandel Internal Limited, Post Box No.1116, Sriharipuram, Malkapuram Post, Visakhapatnam, Andhra Pradesh-CRZ Clearance - regarding.

Sir,

This has reference to your online proposal No.IA/AP/CRZ/254209/2022 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 for Infrastructure Development, Coastal Regulation Zone, Building / Construction and Miscellaneous projects in its meetings held on 16/02/2022. The details of the project as per the documents submitted and presented during the aforesaid meeting are as under:

- (i) The proposal is for CRZ clearance to the project for construction of Seawater Reverse Osmosis Plant (Desalination Plant) with Capacity of 15MLD by M/s Coromandel Internal Limited, Sriharipuram, Malkapuram Post, Visakhapatnam, Andhra Pradesh.
- (ii) Major source of water for GVMC, the Channel Originates from Meghadri Gedda Reservoir and flows into the Bay of Bengal via Harbour Basin of Visakhapatnam Port. Outfall from SWRO Joins the Meghadri Gedda surplus course near the creek confluence point. Upstream Fresh Water Inflow and Tidal fluctuation in the creek ensure adequate dilution of outfall from the facility.
- (iii) Pipeline from intake channel to proposed site 191m and 24 Inch Dia, pipeline from proposed site to outfall channel 136m and 24 Inch Dia SWRO facility area is 5 Acres (vacant land) within the existing facility and all Proposed facilities fall under Non CRZ area.
- (iv) The sea water intake will be 40,000m³/day, recovery efficiency 37.5%, permeate 15000m³/day and reject 25000m³/day.



- (v) The proposed developments are falling in the CRZ area as follows:

Sl. No	Proposed Facilities	Length (m)	CRZ Classification
1	Sea Water Intake Pump Existing and proposed	-	CRZ-IV B
2	Existing Sea Water Intake Channel	21.43	CRZ-II
3	Existing Sea Water Intake Channel	3835.57	Outside CRZ
4	Proposed Sea Water Intake Pipeline	191	Outside CRZ
5	Proposed SWRO Plant	5 Acres	Outside CRZ
6	Proposed Brine Outfall Pipeline	136	Outside CRZ
7	Existing Outfall Channel	1340	Outside CRZ

- (vi) Existing pump-house, intake and outfall channels are operational since 1967, existing pump house capacity: 4500m³/hr (84,600m³/day), additional proposed pump capacity: 1670m³/hr (40,000m³/day), existing channel capacity: 24,333 m³/hr (5,84,002m³/day).
- (vii) The CRZ map of 1:4000 scale was prepared by National Centre for Sustainable Coastal Management (NCSCM) Chennai.
- (viii) Municipal Solid waste generated during construction waste from labors will be 36.5 Ton/annum and will be disposed *via* authorized vendors and recyclers.
- (ix) The electrical power for running the SWRO plant will be sourced from the existing approved contract demand by APGPCL and APEPDCL (Grid) and Internal power generation.
- (x) The total cost of the project is ₹140 crores.
- (xi) The Andhra Pradesh Coastal Zone Management Authority has recommended the proposal for clearance vide its Letter No.307/CRZ/IND/2021, dated 18/01/2022.

3. The Committee made a detailed deliberation on the proposal. The Committee noted that the existing and proposed sea water intake pump and existing sea water intake channel is in CRZ-IVB and CRZ-II respectively. It was also noted that existing pump-house, intake and outfall channels are operational since 1967, existing pump house capacity: 4500m³/hr (84,600m³/day). The proposed project/activity is permissible as per para 3 (i) (c) and 4 (h) of the CRZ Notification, 2011.

4. Based on the recommendation of the Andhra Pradesh Coastal Zone Management Authority *vide* its Letter No. 307/CRZ/IND/2021, dated 18/01/2022 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 'Proposal for Construction of Seawater Reverse Osmosis Plant (Desalination Plant) with Capacity of 15MLD by M/s Coromandel Internal Limited, Post Box No.1116, Sriharipuram, Malkapuram Post, Visakhapatnam', under the provision of CRZ Notification, 2011 and amendments thereto and subject to compliance of the following specific and general conditions as under:

PART A – SPECIFIC CONDITIONS:

- (i). All construction shall be strictly in accordance with the provisions of CRZ Notification, 2011 and as amended from time to time.
- (ii). No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.
- (iii). No groundwater shall be extracted within CRZ area to meet water requirements during the construction and / or operational phase of the project.
- (iv). 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.
- (v). Any physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
- (vi). All the conditions stipulated by the Andhra Pradesh Coastal Zone Management Authority for CRZ clearance vide its letter No: 307/CRZ/IND/2021, dated 18/01/2022, and commitments made by the PP before the CZMA and EAC shall be followed in letter and spirit.
- (vii). All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

PART B - GENERAL CONDITIONS:

- (i) Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be strictly implemented.
- (ii) '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.
- (iii) 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.
- (iv) 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.

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



- (xiii) 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.
 - (xiv) 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.
 - (xv) 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.
 - (xvi) 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.
 - (xvii) 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 project proponent 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.
5. 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.
6. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the CRZ clearance, if implementation of any of the above conditions is not found satisfactory.
7. 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 the Environment (Protection) Act, 1986.



8. 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.

9. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

10. This issues with approval of the Competent Authority.



(Dr. H. Kharkwal)
Scientist 'E' (CRZ)

Copy to:

1. The Chairman, (Environment) & Additional Secretary, Environment Department, Andhra Pradesh Coastal Zone Management Authority, Department of Environment, Forest, Science & Technology, Govt. of Andhra Pradesh, Secretariat, 4th Block, Government Interim Complex, Velagapuddi-522503, Guntur, Andhra Pradesh
2. The Member Secretary, Andhra Pradesh Coastal Zone Management Authority & Special Secretary (Environment), Government of Andhra Pradesh, Department of Environment, Forests, Science and Technology, Secretariat, Hyderabad – 500 022, Andhra Pradesh
3. The Member Secretary, Andhra Pradesh Pollution Control Board D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamalavari Street, Kasturibaipet, Vijayawada – 520 010
4. The Inspector General of Forests, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Vijayawada Green House, Gopalareddy Road, Vijayawada – 520010, Andhra Pradesh
5. Guard File/ Record File/ Notice Board.
6. Monitoring Cell.



(Dr. H. Kharkwal)
Scientist 'E' (CRZ)