



सत्यमेव जयते

File No: 11/14/2024-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
IA-III Section (CRZ)
Centralized Processing Centre - Green



Dated 13/05/2024



To,

M/s Divis Laboratories Limited

Chippada Village, Bheemunipatnam Mandal,

District: Visakhapatnam-531162

Andhra Pradesh

Email: raodivi@divislaboratories.com

Subject:

Proposal for CRZ Clearance – Installation of Desalination Plant associated facilities and water Pipeline in Kakinada District, Andhra Pradesh by M/s Divis Laboratories Limited

Sir/Madam,

This has reference to your proposal No. IA/AP/CRZ/456071/2023 dated 20/12/2023 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 Ministry of Environment, Forest and Climate Change has examined the proposal for CRZ Clearance for "Installation of Desalination Plant associated facilities and water Pipeline in Kakinada District, Andhra Pradesh by M/s Divis Laboratories Limited".

3. The proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure Development, Coastal Regulation Zone, Building/Construction and Miscellaneous projects, in its 357th meeting held on 26/02/2024. The Project Proponent (M/s Divis Laboratories Limited) along with his EIA consultant (M/s. Pragathi Labs & Consultants Pvt. Ltd) have made detailed presentation and informed the followings:

1.	Brief description of the Project	The proposal is for seeking CRZ Clearance as per CRZ Notification, 2011 for of Desalination Plan associated facilities and water Pipeline in Kakinada District, Andhra Pradesh
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2.	Salient features / Components of the project activity	Setting up a 4 x 2 MLD Desalination Plant associated facilities, Laying of Sea water Intake, brine reject outfall, product water pipelines at Ontimamidi (V), Thondangi (M) Kakinada (D) Andhra Pradesh. Capacity: Production of 8 MLD of freshwater through Desalination Plant																																		
3.	CRZ Report/Maps prepared by	CRZ report and maps are prepared by IRS, Anna University, Chennai																																		
4.	CRZ Categorization as per CRZ Report: As per CRZ map prepared by IRS, Anna University. Project fall under CRZ-I, II, III, IV:																																			
	<table border="1"> <thead> <tr> <th>S No.</th> <th>Description</th> <th>CRZ Zone</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Proposed Desalination Plant</td> <td>Outside CRZ</td> </tr> <tr> <td>2</td> <td>Proposed Landfall Point</td> <td>CRZ-IA</td> </tr> <tr> <td>3</td> <td>Proposed Intake Point - 1</td> <td>CRZ-IVA</td> </tr> <tr> <td>4</td> <td>Proposed Intake Point - 2</td> <td>CRZ-IVA</td> </tr> <tr> <td>5</td> <td>Proposed Outfall Point - 1</td> <td>CRZ-IVA</td> </tr> <tr> <td>6</td> <td>Proposed Outfall Point - 2</td> <td>CRZ-IVA</td> </tr> <tr> <td>7</td> <td>Desalination Associated facilities</td> <td>CRZ - III</td> </tr> <tr> <td>8</td> <td>Desalination Associated facilities.</td> <td>CRZ - III</td> </tr> <tr> <td>9.</td> <td>Proposed Product water line -1 (Desalination plant to Storage tanks)</td> <td rowspan="3">CRZ – III to Outside CRZ</td> </tr> <tr> <td>10.</td> <td>Proposed Product water line -2 (Desalination plant to Storage tanks)</td> </tr> <tr> <td>11.</td> <td>Proposed water line from Storage tank to Plant</td> </tr> </tbody> </table>	S No.	Description	CRZ Zone	1	Proposed Desalination Plant	Outside CRZ	2	Proposed Landfall Point	CRZ-IA	3	Proposed Intake Point - 1	CRZ-IVA	4	Proposed Intake Point - 2	CRZ-IVA	5	Proposed Outfall Point - 1	CRZ-IVA	6	Proposed Outfall Point - 2	CRZ-IVA	7	Desalination Associated facilities	CRZ - III	8	Desalination Associated facilities.	CRZ - III	9.	Proposed Product water line -1 (Desalination plant to Storage tanks)	CRZ – III to Outside CRZ	10.	Proposed Product water line -2 (Desalination plant to Storage tanks)	11.	Proposed water line from Storage tank to Plant	
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5.	Applicability of EIA Notification 2006	Not applicable																																		
6.	NOC from SPCB	Obtained APPCB CFE (NOC)) Order No. 387/APPCB/CTE/RO-KKD/HO/2023 dated 25/10/23 for laying desalination plant intake and reject pipelines.																																		

7.	Certified Compliance Report from IRO (Expansion/Amendment Case)	Not applicable
8.	Permissibility of project as per CRZ Notification 2011/2019 (mention the Clause)	These activities are permissible under the clause no. 3(a), 8(1)(b), 8(III)(A)(III)(h), 8(III)(B)(V) of CRZ notification 2011.
9.	EIA Consultants details	M/s. Pragathi Labs & Consultants Pvt. Ltd. Plot No. B 15 &16, Industrial Estate Sanath Nagar, Hyderabad - 500 018
10.	Baseline period for EIA	Terrestrial EIA studies were carried out; Marine EIA studies carried out Period of study: March-2023 to July-2023.
11.	Applicability of Terrestrial and Marine EIA	Yes.
12.	Anticipated impacts (mention page no of EIA)	Anticipated impacts in EIA Report Page no: 5.8.
13.	Mitigation measures proposed (mention page no of EIA)	Mentioned EIA report Page no: 5.8.
14.	Disaster Management Plan (mention page no of EIA)	Yes, Disaster Management mentioned in EIA report page no: 8.4 to 8.12
15.	Risk Assessment (mention page no of EIA)	Yes, Risk assessment studies mentioned in EIA report page no:8.1 to 8.3
16.	Total Project cost	61 crores
17.	Is project located in erosion prone area (yes/no)	No
18.	If yes, specific the management plan proposed	Not applicable
19.	EMP cost proposed (capital and recurring)	1.50 crores (Revised to 6.1 Crores)
20.	Forest Clearance requirement	Not applicable
21.	Wildlife Clearance Requirement	Not applicable
22.	Proposed Green Cover	Industry will build up green belt more than 33%

23.	Proposed budget for green cover development	50 lakhs
24.	Rain water harvesting	Project management has made proper utilization of rain water by harvesting through appropriate rain water harvesting mechanisms. Roof water will be collected and used for cooling water makeup, boiler makeup, etc. Rain water from surface areas is harvested by construction of harvesting pits.
25.	Proposed budget for rainwater harvesting	75 lakhs
26.	Details of tree Cutting	Few trees/bushes (15 nos.) are present in the pipeline route from plant's southern boundary to LFP.
27.	Details of Compensatory afforestation proposed	As a compensation of trees that are cut for laying pipeline in the CRZ III region, plants with number of 10 times will be planted in the area.
28.	Proposed energy conserving measures	<ul style="list-style-type: none"> · Proper planning for laying pipelines by reducing bends, · Using suitable energy efficient pumps and motors. · Using suitable cables for power supply.
29.	Power Requirement and Source	Total power requirement for the entire plant will be acquired from APTRANSCO. In case of power failure, the backup power supply is through DG sets. Power requirement is 35 MW.
30.	Water requirement and source	20 MLD seawater is required for desalination facility to produce 08 MLD freshwater
31.	Waste water Treatment and reuse	Reject water from desalination plant will dispose to marine outfall point.
32.	Solid Waste Generation	Yes, Solid waste is generated (bricks, stones, cement, plastics, and wires) during construction phase.
33.	Solid Waste management	Yes, Solid waste will be disposed as per Solid waste management rules.
34.	Hazardous waste Management	No hazardous waste will be generated during

		construction
35.	Resettlement and Rehabilitation	Not applicable
36.	Employment generation	The estimated total manpower requirement for operating the desalination plant is approximately 16 individuals, comprising both skilled and unskilled labor.
37.	Details of Litigation, If any	Not applicable
38.	Details of Ground Water extraction	Not applicable
39.	Benefits	Conservation of ground water resources by minimize the consumption of ground and surface water.
40.	SCZMA Recommendation	The Andhra Pradesh CZMA has recommended the project to Ministry <i>vide</i> letter No. 515/CRZ/IND/2023 dated 13/02/2024.

4. The Committee deliberated the proposal based on the information provided/presented by the proponent. After deliberation, the Committee has noted that project activity is permissible as per CRZ Notification, 2011 and APCZMA has recommended the proposal. Further Committee has requested the proponent to submit the detailed water balance diagram w.r.t utilization of 8 MLD water generated from the proposed desalination plant and budget breakup of EMP proposed immediately. In response, the proponent has submitted details *vide* letter dated 26/02/2024 and the same has been considered by EAC and found satisfactory.

5. The Committee, after detailed deliberations and considering the submissions made by the project proponent, has recommended the proposal for CRZ Clearance, subject to certain Specific conditions, as stipulated during its 357th meeting held on 26/02/2024.

6. Based on the recommendation of the Andhra Pradesh Coastal Zone Management Authority and considering the submissions made by the project proponent, the Ministry of Environment, Forest and Climate Change, in acceptance of the recommendations of the Expert Appraisal Committee (CRZ), hereby accords CRZ Clearance to the project for **"Installation of Desalination Plant associated facilities and water Pipeline in Kakinada District, Andhra Pradesh by M/s Divis Laboratories Limited"** under the provisions of the CRZ Notification, 2011 and amendments thereto, subject to the compliance of terms and conditions as under:-

Specific Conditions

S. No	Specific Conditions
1	All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2011, as amended from time to time.
2	Proponent should strictly ensure disposal of treated effluent discharge into Estuary/ Creek /Sea to the prescribed standards of CPCB /GPCB.
3	Water quality of the outlet point should be monitored regularly to see the impact of treated effluent discharge and submit six monthly reports to IRO of the Ministry; including precautionary measures to be undertaken and periodic monitoring.
4	PP should implement all the mitigation measures as mentioned in the Marine EIA report.
5	Topsoil excavated during construction activities shall be stored for use in horticulture/landscape development etc. within the project site.
6	No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and/or operation phase of the project.
7	The ecology at outfall location to be monitored by national reputed institute and submit six monthly reports to IRO of the Ministry.
8	Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
9	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.
10	Construction material and structures/scaffoldings erected for construction at site shall be cleared immediately after finishing construction and it shall be ensured that no construction waste, garbage and machinery or equipment are left post construction.
11	The Project Proponent shall comply order/direction, if any, issued by Hon'ble Court / tribunal on the project.
12	All the conditions stipulated by the [State Name] Coastal Zone Management Authority for CRZ clearance vide its letter No. 515/CRZ/IND/2023, dated 13/02/2024 and commitments made by the PP before the CZMA and EAC shall be followed in letter and spirit.
13	All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

General Conditions

S. No	General Conditions
1	Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be strictly implemented.
2	'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.
3	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.
4	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.
5	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.
6	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.
7	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.
8	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
9	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.
10	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.

S. No	General Conditions
11	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.
12	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.
13	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.
14	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.
15	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 https://parivesh.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.
16	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.

7. 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.

8. 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.

9. 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.

10. Any appeal against this CRZ 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.

11. 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.

12. 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, Government of Andhra Pradesh, Secretariat, 4th Block, Govt Interim Complex, Velagapuddi-522503, Guntur, Andhra Pradesh.
2. The Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Vijayawada Green House, Gopalareddy Road, Vijayawada - 520010, Andhra Pradesh.
3. The Member Secretary, Andhra Pradesh Coastal Zone Management Authority & Special Secretary (Env.), Govt. of Andhra Pradesh, Deptt. of Environment, Forests, Science and Technology, Secretariat, Hyderabad – 500 022, Andhra Pradesh.
4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 110032
5. 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 – 520010, Andhra Pradesh.
6. Guard File/Monitoring Cell/Website/Record File.