



सत्यमेव जयते

File No: 11/58/2024-IA.III
Government of India
Ministry of Environment, Forest and Climate
Change
IA-III Section (CRZ)
Centralized Processing Centre - Green



Dated 26/07/2025



To,

M/s Chemplast Sanmar Limited

9 Cathedral Road,

Chennai-600086,

Tamil Nadu

Email: gss1@sanmargroup.com

Subject:

Proposal for CRZ Clearance – Construction of 6 MLD desalination plant along with associated sea water intake and outfall system at RS no. 206, Village Melavanjore, T.R. Pattinam, Karaikal, Puducherry UT by M/s Chemplast Sanmar Limited – regarding

Sir/Madam,

This has reference to your online proposal no. IA/PY/CRZ/504431/2024, dated 06/11/2024 on the above-mentioned project proposal for CRZ Clearance, in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 and as amended thereof issued under the Environment (Protection) Act, 1986.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for CRZ Clearance for “Construction of 6 MLD desalination plant along with associated sea water intake and outfall system at RS no. 206, Village Melavanjore, T.R. Pattinam, Karaikal, Puducherry UT by M/s Chemplast Sanmar 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 381st meeting held on 19/11/2024 and 406th meeting held on 26/06/2025. The Project Proponent (M/s Chemplast Sanmar Ltd.) and consultant (M/s Kadam Environmental Consultant) have made a presentation on above said proposal and informed the following salient features of the proposal, including the details provided in the application of the project, to EAC:

1.	Brief description of the Project		The proposal seeks CRZ Clearance under CRZ Notification 2011 for proposed project of 6 MLD desalination plant along with associated sea water intake and outfall system at RS no. 206, Village Melavanjore, T.R. Pattinam, Karaikal, Puducherry UT by M/s. Chemplast Sanmar Limited.						
2.	Salient Features / Components of the Project activity:								
	Sr. No.	Description	Total Length of Proposed activities (m)			Total Length, m (in side CRZ area)			
	1	Proposed Desalination outfall Pipeline	1500.60			1500.60			
	2	Proposed Intake from Pump house to Desalination Plant	84.93			84.93			
	3	Proposed Intake Pipeline upto pump house	1072.6			1072.60			
	4	Proposed Permeate Water from Desalination plant to plant	568.35			224.66			
	5	Proposed power cable from plant to intake Pump house & Desalination Plant	1090.60			444.06			
	6	Proposed Desalination Plant	17783.16			5930.87 (in Sq.m)			
	7	Proposed Intake Pump House	1831.18			1831.18 (in Sq.m)			
3.	CRZ Report /Maps Prepared By		CRZ Mapping carried out by National Centre for Sustainable Coastal Management						
4.	CRZ Categorization as per CRZ Report:								
	Types of Pipeline	Total Length of Proposed activities (m)	Pipeline outside the CRZ categories (m)	Length/Area of Proposed activities falling within the CRZ categories (m)					
				CRZ IB (Intertidal zone)	CRZ III (NDZ)	CRZ III (200 to 500m)	CRZ IVA	CRZ IVB	Total Length, m

						from HTL			
	Proposed Desal outfall Pipeline	1500.60	0.0	99.09	219.65	158.24	1023.61	-	1500.60
	Proposed Intake from Pump house to Desal Plant	84.93	0.0	-	-	84.93	-	-	84.93
	Proposed Intake Pipeline upto pump house	1072.6	0.0	103.63	215.09	39.93	713.94	-	1072.60
	Proposed Permeate Water from Desal plant to plant	568.35	343.70	4.60	160.31	-	-	59.74	224.66
	Proposed power cable from plant to intake Pump house & Desal Plant	1090.60	646.55	4.74	176.66	203.42	-	59.24	444.06
	Proposed Desal Plant	17783.16	11852.29 (in Sq.m)	-	-	5930.87 (in Sq.m)	-	-	5930.8 (in Sq.m)
	Proposed Intake Pump House	1831.18	-	-	-	1831.18 (in Sq.m)	-	-	1831.1 (in Sq.m)
5.	Applicability of EIA Notification 2006			Not Applicable					
6.	NOC from SPCB			CTE/NOC from Puducherry Pollution Control Committee has been obtained.					

7.	Certified Compliance Report from IRO Expansion /Amendment Case	Not Applicable												
8.	Permissibility of project as per CRZ Notification 2011 (mention the clause): <table border="1"> <thead> <tr> <th>Project activity</th><th>CRZ category</th><th>Permissibility Clause as per CRZ Notification 2011</th></tr> </thead> <tbody> <tr> <td rowspan="4">Desalination plant and its associated facilities</td><td>CRZ-I</td><td>8.I(i)(b) and 8.I(ii)(e)</td></tr> <tr> <td>CRZ-III (NDZ) and (200 m - 500 m from HTL)</td><td>8.III(iii)(h)</td></tr> <tr> <td>CRZ-IV</td><td>-</td></tr> <tr> <td>Permissible and regulated under General Clause</td><td>4(ii)(d)</td></tr> </tbody> </table>		Project activity	CRZ category	Permissibility Clause as per CRZ Notification 2011	Desalination plant and its associated facilities	CRZ-I	8.I(i)(b) and 8.I(ii)(e)	CRZ-III (NDZ) and (200 m - 500 m from HTL)	8.III(iii)(h)	CRZ-IV	-	Permissible and regulated under General Clause	4(ii)(d)
Project activity	CRZ category	Permissibility Clause as per CRZ Notification 2011												
Desalination plant and its associated facilities	CRZ-I	8.I(i)(b) and 8.I(ii)(e)												
	CRZ-III (NDZ) and (200 m - 500 m from HTL)	8.III(iii)(h)												
	CRZ-IV	-												
	Permissible and regulated under General Clause	4(ii)(d)												
9.	EIA Consultants details	The Environmental Consultant is M/s. Kadam Environmental Consultants, Gujarat. NABET Certificate No. NABET/EIA/2326/RA 0303_Rev.01 valid from 15-07-2024 up to 19-03-2026.												
10.	Baseline period for EIA	For Terrestrial EIA: July to September, 2020 & additional baseline data – July to September, 2023. For Marine EIA: September 2020 & Additional baseline data – October 2023.												
11.	Applicability of Terrestrial and Marine EIA	EIA (Terrestrial) and (Marine) studies carried out and submitted.												
12.	Anticipated impacts (Mention page no. of EIA)	Chapter 4 page no. 180-224 of Terrestrial EIA report.												
13.	Mitigation measures proposed (Mention page no. of EIA)	Chapter 4 page no. 180-224 of Terrestrial EIA report.												
14.	Disaster Management plan (Mention page no. of EIA)	Chapter 7 page no. 228-241 of Terrestrial EIA report.												
15.	Risk Assessment (Mention page no. of EIA)	Chapter 7 page no. 228-241 of Terrestrial EIA report.												

16.	Total Project Cost	Rs.130.0 Cr
17.	Is project located in erosion prone area (Yes/No)	No
18.	If yes, specific the management plan	Not Applicable
19.	EMP cost proposed (capital and recurring)	Rs.55.0 lakhs capital cost and Rs.157.0 lakhs per annum is recurring cost.
20.	Forest Clearance Requirement	Not Applicable
21.	Wildlife Clearance Requirement	Not Applicable
22.	Proposed Green Cover	Greenbelt area proposed is 2300 Sq.m
23.	Proposed Budget for green cover development	Rs.1,50,000/- capital cost and Rs.1,00,000/- per annum is recurring cost.
24.	Rain water Harvesting	316.80 KLD
25.	Proposed Budget for Rain water Harvesting	Rs.2.0 lakhs
26.	Details of Tree cutting	No tree cutting is involved
27.	Mangrove Tree cutting	No tree cutting is involved
28.	Details of compensatory afforestation	Not Applicable
29.	Proposed energy conserving measures	High Pressure Pump (with Energy Recovery Unit).
30.	Power Requirement and Source	<p>Connected Load: 2000 KW</p> <p>During Operation Phase: 1600 KW</p> <p>Source: Puducherry Electricity Department (PED) and two DG sets of (2*2000 kVA) for emergency power back up.</p>
31.	Water Requirement and Source:	
32.	Wastewater Treatment and Re-use	
	Quantity of wastewater generated (KLD)	14,000
	Treatment Capacity (KLD)	6000

	Quantity of treated water used in recycling/reuse (KLD)	6000
	Quantity of effluent to be disposed (KLD)	14,000
33.	Solid waste Generation	<ul style="list-style-type: none"> · Desalination Plant Sludge – 5480 kg/day · Used / Spent Oil– 5.5 kg/day · Discarded containers / barrels /liners contaminated with hazardous wastes / chemicals– 8.2 kg/day
34.	Solid waste Management	<ul style="list-style-type: none"> · All solid waste will be disposed as per the rules prescribed by the PCB. Necessary membership will take from approved vendors for disposal of hazardous waste. · Recyclable waste will be handed over to authorized recyclers. · The other solid wastes will be handed over to authorized reprocesses / recyclers.
35.	Hazardous waste Management	<ul style="list-style-type: none"> · Hazardous wastes will be properly handled in containers and properly stored in hazardous waste storage areas provided with impervious flooring. · Bunding will be provided around the hazardous waste storage area to avoid overflow of spillage waters which can contaminate the surroundings. · All solid and hazardous waste will be disposed as per the rules prescribed by the PCB. Necessary membership will take from approved vendors for disposal of hazardous waste. · Hazardous waste will be managed by TSDF and authorized recyclers.
36.	Resettlement & Rehabilitation	There is no Rehabilitation and Resettlement for this project.
37.	Employment Generation	The laying of pipeline will involve temporary employment generation for around 100 people for onshore and offshore pipeline work. During operation phase, the existing staff at the VGEL premises operating the pumping station will be continued.
38.	Details of Litigation, if any	Not Applicable
39.	Details of Ground water extraction	No groundwater extraction is being done.

40.	Benefits	<p>Improvements in the physical infrastructure:</p> <ul style="list-style-type: none"> •No withdrawal of ground/surface water for the proposed expansions. •Sustainable and steady water supply for the expansions and New Projects in near future. •Proposed to use the latest Energy efficient Motors / Pumps. <p>Improvements in the social infrastructure:</p> <ul style="list-style-type: none"> •This project will impact positively to lives of people in nearby villages which leads to improvement in local specific socio-economic aspects.
41.	SCZMA Recommendation	PCZMA has recommended the proposal <i>vide</i> letter no. 2316/DST&E/PCZMA/CRZ/CLR/SCI/2024/369, dated 15/10/2024 as per CRZ Notification 2011.

4. The Committee deliberated on the proposal based on the details provided and the presentation made by the Project Proponent (PP). During the discussion, the PP responded to the ADS raised by the EAC and stated that the proposed desalination plant would involve an intake of 20 MLD of seawater, from which 6 MLD of permeate water would be used for industrial processes and 14 MLD would be discharged as reject water. This information is also reflected in S. No.5 (page 2) of the CRZ recommendation letter issued by PCZMA dated 15/10/2024. The PP further clarified that, to avoid any potential conflicts with the port expansion plans of M/s Karaikal Port Private Limited (KPPL), a consultative meeting was held with the Port Department, Government of Puducherry, on 15/05/2025. During this meeting, the Master Plan of KPPL and the proposed desalination plant of M/s. Chemplast Sanmar Limited (CSL) were discussed in detail. It was noted and mutually agreed that “no land belonging to M/s. Chemplast Sanmar Ltd. will be affected, and the Master Plan of KPPL will be revised to accommodate CSL’s proposed facilities, thereby ensuring the co-existence of both entities without any land use conflict”. The PP also submitted a letter from the Port Department dated 02/06/2025, confirming this understanding. However, during the presentation, the Committee noted a slight variation in the project layout presented at the meeting when compared to the layout and KML file uploaded on the PARIVESH portal. In response, the PP explained that the initial layout included a portion of land erroneously shown as part of M/s. KPPL’s property, which was identified and corrected during the meeting held on 15/05/2025 with the Port Department. The Committee accepted the Project Proponent’s (PP) explanation and directed them to submit all documents and explanations *via* email immediately. The PP submitted the following documents *via* email on 26/06/2025:

- Revised KML file of the proposed project layout.
- Copy of the minutes of the meeting held on 15/05/2025 with the Port Department.
- Lease deed with the Port Department for the use of Port land.
- Land ownership documents for CSL-owned land.
- An undertaking stating that there is no overlap between the proposed desalination plant and KPPL’s land.

The Committee reviewed the documents / information submitted by the PP during the finalization of the

minutes and found it to be satisfactory. The Committee also suggested that aforesaid documents be uploaded on PARIVESH Portal for Ministry record by raising an Additional Detail Submission (ADS), once the minutes are approved, prior to processing the proposal for clearance by Ministry and same has been accepted by PP. Accordingly, ADS was raised on 11/07/2025 and in response PP has uploaded the necessary documents on 11/07/2025.

5. The Committee, after detailed deliberations and considering the submissions made by the project proponent, has recommended the proposal for CRZ Clearance as per CRZ Notification, 2011, subject to terms and conditions as stipulated during its 406th meeting held on 26/06/2025.

6. Based on the recommendation of the Puducherry 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 **“Construction of 6 MLD desalination plant along with associated sea water intake and outfall system at RS no. 206, Village Melavanjore, T.R. Pattinam, Karaikal, Puducherry UT by M/s Chemplast Sanmar 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	The project proponent should lay the intake pipeline, outfall pipeline and product pipeline as proposed and without change in the proposed intake point and outfall point.
3	PP should ensure that no other untreated /treated water discharged through the proposed pipeline.
4	As committed and clarified, no overlap between the proposed desalination plant and KPPL's land/port expansion activity.
5	PP should obtain Consent to Establish (CTE) / No Objection Certificate from SPCB before the start of the construction activity of the project, as applicable.
6	The Project Proponent shall enhance tree plantation efforts under the campaign "एक पेड़ माँ के नाम" (Ek Ped Maa Ke Naam). The details of the trees planted must be uploaded on the official portal https://merilife.nic.in .
7	Construction material/ debris generated during the project activity should be strictly implement in accordance with the Construction & Demolition Waste Management Rules, 2016.
8	All the mitigation measures listed in the EIA report should be implemented without any deviations.

S. No	Specific Conditions
9	Topsoil excavated during construction activities shall be stored for use in horticulture/landscape development etc. within the project site.
10	No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and/or operation phase of the project.
11	No storage reservoir for sea water shall be permitted.
12	Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
13	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.
14	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.
15	The Project Proponent shall comply order/direction, if any, issued by Hon'ble Court / tribunal on the project.
16	All the conditions stipulated by the Puducherry Coastal Zone Management Authority for CRZ clearance under CRZ Notification, 2011 <i>vide</i> letter No. 2316/DST&E/PCZMA/CRZ/CLR/SCI/2024/369, dated 15/10/2024 and commitments made by the PP before the Puducherry CZMA and EAC shall be followed in letter and spirit.
17	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.

S. No	General Conditions
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	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.
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	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
11	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.
12	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.
13	The project proponent should advertise in at least two local Newspapers widely circulated in

S. No	General Conditions
	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.
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 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.
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 is issued with the approval of the Competent Authority.

(Dr. H. Kharkwal)

Scientist 'F' (CRZ)

Copy To

1. The Director, Department of Science, Technology and Environment, Government of Puducherry, III Floor, PHB Building Anna Nagar-605005, Puducherry
2. The Deputy Director General, Ministry of Environment Forest and Climate Change, Integrated Regional Office, Ist and IInd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai – 600034, Tamil Nadu
3. The Member Secretary, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
4. The Member Secretary, Puducherry Pollution Control Committee, 3rd Floor, Housing Board Complex, Anna Nagar, Nellithope-605005, Puducherry
5. The Member Secretary, Puducherry Coastal Zone Management Authority, 3rd Floor, Housing Board Complex, Anna Nagar-605005, Puducherry
6. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
7. Guard File/ Record File/ Notice Board/MoEF&CC Website.

(Dr. H. Kharkwal)

Scientist 'F' (CRZ)

