

Half Yearly Compliance Report**2025****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

Proposal Name		Expansion project of chloromethanes and PVC plants of M/s. Chemplast Sanmar Limited, Mettur, Salem District, Tamil Nadu.	
Name of Entity / Corporate Office		Chemplast Sanmar Limited	
Village(s)		GONUR	
District		SALEM	
Proposal No.	A/TN/IND/21639/1910	Category	Industrial Projects - 2
Plot / Survey / Khasra No.		Sub-District	Mettur
State	TAMIL NADU	Entity's PAN	*****3000F
MoEF File No.	J-11011/18/96-1A.II(I)	Entity name as per PAN	CHEMPLAST SANMAR LIMITED

Compliance Reporting Details

Reporting Year 2025

Remarks (if any) Chemplast Sanmar Limited, Plant-II, Mettur, Tamilnadu First Bi-annual EC Compliance report for the year 2025-26

Reporting Period 01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office Chemplast Sanmar Limited

	Project Area as per EC Granted	Actual Project Area in Possession
Private	26.32	26.32
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	26.32	26.32

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	PVC resins	Tons per Annum (TPA)	31/03/2027	60000	65921	66000
2	Hydrochloric Acid	Tons per Annum (TPA)	31/03/2027	-	67684	68000
3	Methyl chloride (CH ₃ Cl), Methylene Chloride (CH ₂ Cl ₂), Chloroform (CHCl ₃), Carbon Tetra Chloride (CCl ₄)	Tons per Annum (TPA)	31/03/2027	22000	32572.35	33580

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	Any further expansion of the plant can be taken up only with prior approval of this Ministry
PPs Submission: Complied No further expansion or modernization in the plant was carried out without prior approval of MoEF and CSL have obtained the following Environment Clearance (EC) from MoEF CC for expansion. EC Identification No. EC25A2301TN5228133N and File No. IA-J-11011/211/2024-IA-II dated 26.09.2025. Copy of the EC is attached as Annexure		Date: 24/11/2025
2	Corporate Environmental Responsibility	The funds earmarked for the environmental protection measures shall not be diverted for other purposes and year wise expenditure reported to this Ministry for proper monitoring of the project implementation
PPs Submission: Complied Separate budget for the environmental protection measures (Capital and Recurring cost) is earmarked and are not diverted for any other purpose. All the expenses are recorded in advanced accounting system (SAP) of the company. Capital Cost utilized for Environment safe guard and protection measures during the compliance period (April 2025 to September 2025) is detailed below S.no Description Cost (Rs. Lakhs) 1 Operational cost of ZLD ETP and Incinerator 395.34 2 Water Samples analysis charges 6.42 3 Ambient Air quality and stack monitoring 1.86 4 Greenbelt development and maintenance charges 17.21 5 VOC analysis in Piezometric well water and Ground water 0.38 6 Calibration of VCM/VOC/CL ₂ sensor 0.1 7 ETP Sludge handling and disposal to Common TSDF, Poochempalli 0.52 8 ZLD Sludge handling and co-processing in M/s India Cements Ltd. 1.09 9 AAQ/Stack survey by TNPCB 1.54 10 Consent fee 6.34 11 Plastic waste Management 16.13 Total 447.74		Date: 25/11/2025
3	WASTE MANAGEMENT	Handling, manufacturing, storage and transportation of hazardous chemicals must be in accordance with the Manufacture, storage and import of Hazardous Chemicals Rules, 1989 as amended in October 1994. Necessary approvals from Chief Inspectorate of Factories/ Chief Controller of Explosives must be obtained as per regulations.

<p>PPs Submission: Complied</p> <p>Hazardous chemicals are handled as per the guidelines of Manufacture, storage and import of Hazardous Chemicals Rules 1989 as amended. Necessary approvals from Factory Inspectorate / Chief Controller of Explosives are in place and periodically renewed as per the requirement. PVC Plant: 1. VCM storage licenses: (License No.S/HO/TN/03/196S (S2669) and (License No. S/HO/TN/03/224 (S2720) valid up to 30.09.2028. 2. Chlorine storage for 68 tonners license No: G/SC/TN/06/1412 (G 18458) valid up to 30.09.2035</p>			Date: 25/11/2025
4	AIR QUALITY MONITORING AND PRESERVATION	The gaseous and SPM emission(s) from various units should confirm to the standards prescribed by the State Pollution Control Board from time to time. At no time, the emissions should go beyond the prescribed limits. In the event of failure of any pollution control system adopted by the units, the respective unit(s) must be put out of operation immediately and shall not be restarted until the control systems are rectified to achieve the desired efficiency.	
<p>PPs Submission: Complied</p> <p>All the Air pollution control equipment's are in operation in an efficient manner. Monthly monitoring of stack emissions is carried out through NABL and MoEF and CC accredited Laboratory and report is being submitted to TNPCB on monthly basis. The list of Stacks and Stack Emission monitoring data during Compliance period (April 2025 to September 2025) is attached as Annexure 3 and 3A. There is no failure / down-time of any pollution control system during the compliance period.</p>			Date: 25/11/2025
5	AIR QUALITY MONITORING AND PRESERVATION	Monitoring of ambient air quality and stack emissions shall be periodically carried out in consultations with SPCB and report submitted to the Board quarterly and to the Ministry (Regional Office at Bangalore) half-yearly	
<p>PPs Submission: Complied</p> <p>Complied. Ambient Air quality is monitored in 12 Locations through NABL and MoEF and CC accredited laboratory on monthly basis and monitored results are submitted to TNPCB on monthly basis. Chlorine monitors (4 numbers) are installed in the Chlorine handling area and monitored on real time basis and 1no. of HCL monitor installed in the HCL plant. Ambient Air Quality monitoring data during Compliance period (April 2025 to September 2025) is attached as Annexure 4. Monthly monitoring of stack emissions is carried out through NABL and MoEF and CC accredited Laboratory and report is being submitted to TNPCB on monthly basis. Stack Emission monitoring data during Compliance period (April 2025 to September 2025) is attached as Annexure 3. A consolidated report of AAQ and Stack monitoring is submitted to RO, MoEF and CC bi-annually. Continuous Ambient Air quality Monitoring Stations are installed at upwind and downwind directions to monitor SO₂, NO_x, PM, VOC and Chlorine. The real time data are connected with Care Air Centre of TNPCB. The real time monitored values are also displayed at plant entrance for public view. Photo of online display board attached Annexure 5.</p>			Date: 25/11/2025
6	Noise Monitoring & Prevention	Adequate Noise control measures shall be taken up so as to keep noise levels below 85 dB (A) in the work environment. The ambient noise level must not exceed the standards stipulated under EPA/State authorities.	
<p>PPs Submission: Complied</p> <p>Adequate Noise Control Measures are implemented in the work area so that the Ambient Noise Level never exceeds the standard as prescribed by the Tamil Nadu pollution Control Board. In -built engineering control measures have been provided for the noise prone equipments. Apart from this, PPEs like earmuff / earplugs are provided to all the employees working in the noise prone areas as a secondary protection from noise. Ambient Noise Level is measured internally on monthly basis and the report on the same is submitted to TNPCB on monthly basis. TNPCB is annually monitoring the Ambient Noise Level annually in 7 boundary Locations and 5 source Locations. Noise level monitored data during the compliance period is found within the standard and the report is attached as Annexure 6.</p>			Date: 25/11/2025

7	WASTE MANAGEMENT	The hazardous waste including residual solvent, heavy ends, spent catalyst, Mercury bearing sludge, VCM high boils, etc. must be handled as per Hazardous and other Waste (Management and Handling) Rules, 1989 and necessary approval from SPCB must be obtained.
PPs Submission: Complied The hazardous wastes are handled as per the provisions of Hazardous Waste and other (Management and Handling) Rules 2016. The Authorization for handling hazardous waste has been obtained from Tamil Nadu Pollution Control Board vide HWA Order NO. 20HFC31185293 dated 31/08/2020 (Valid till 31/03/2025) including incinerating high boils of VCM. Our application for renewal of HWA is under process (Screenshot attached as Annexure 8) Mercury bearing sludge is totally eliminated by the introduction of Membrane process in Aug-07 at Caustic Soda Plant.		Date: 25/11/2025
8	Statutory compliance	Six-monthly progress reports on the implementation status of environmental conditions mentioned above must be submitted to Ministry/CPCB and the State Pollution Control Board regularly. The project will be monitored inter-alia by Ministry Regional Office at Bangalore.
PPs Submission: Complied EC Compliance status report for the compliance period Oct 24 to Mar 25 is submitted to MoEF and CC on 27.05.2025. Copy of the acknowledgement is attached as Annexure- 14.		Date: 25/11/2025
9	WATER QUALITY MONITORING AND PRESERVATION	The effluent generation from the Chloromethanes and PVC plants must be maintained at the present level even after expansion and steps must be continued to further reduce the same. At any case, the quantity of effluent shall not exceed 30 m3 /hr for PVC plant and 9.30m3/hr chloromethane section. The effluents must be treated to meet the prescribed norms under EPA/State Pollution Control Board before discharging outside the premises. Effluent quality must be monitored to SPCB every quarter and Ministry every six-months
PPs Submission: Complied The effluent water generation at PVC plant section (Polymer) during the compliance period is 18.49 KL/Hr and from Chloromethane plant is 3.92 KI/hour. Effluents streams are collected and treated at Zero liquid discharge plant and the recovered water is recycled back to the process. Company is sustaining zero liquid discharge status since September 2009. Filtered polymer water is recycled back to the process and effluent generated from chloromethane plant is treated at ZLD and recycled back to the process. There is no effluent discharge to outside premises from both the plants. The integrity of ZLD is being checked by SPCB by taking samples on monthly basis. Being achieved ZLD status, the effluent quality has not applicable. However, the quantity of water recycled is being reported.		Date: 25/11/2025
10	WASTE MANAGEMENT	The company must expedite the R and D efforts to extract mercury the brine sludge (Av 1450 mg/kg) to the least possible (preferably 4-100 ppm)
PPs Submission: Complied The Caustic Soda manufacturing plant graduated from the legacy mercury cell technology to the cutting-edge membrane cell process, significantly reducing its environmental impact. Chemplast Sanmar Ltd, in keeping with its environment-friendly approach to business completed the switch over this August 2007, well ahead of the mandated timeline. The company spent Rs 800 millions in the switch over at its mercury based to membrane-based technology and sludge was generated mercury free from Brine Sludge. The Brine sludge is finally processed through drum filter for maximizing the removal of moisture content. From 1st March 2019 on wards Brine sludge is being transported and disposed to common TSDF of M/s. Re Sustainability IWM Solutions Limited (Formerly Known as Tamilnadu Waste Management Limited), Pochampalli Taluk, Krishnagiri District , 635206.		Date: 25/11/2025
11	Corporate Environmental	The project authorities must set up Environmental Cell with

	Responsibility	adequate facilities for collection and analysis of samples, monitoring of environmental quality parameters, and to carry out time bound action plans related to environmental management and pollution control.
PPs Submission: Complied Environment Management cell is in place with qualified Engineer to carry out the Environmental Management and Monitoring functions at plant supported by Corporate Environment Team from Head Office. Organogram of Environment Cell is attached as Annexure 12. CSL established Full-fledged laboratory facilities for Environmental parameter monitoring. Lab photo is attached as Annexure 13.		Date: 25/11/2025
12	Statutory compliance	The project authority must strictly comply with the stipulations made by the State Government and State Pollution Control Board in the NOC granted to the Chloromethane and PVC project expansion.
PPs Submission: Complied The Compliance status to conditions stipulated in the TNPCB NOC dated 17th June 1996 is attached as Annexure 1		Date: 25/11/2025
13	WATER QUALITY MONITORING AND PRESERVATION	The company must adopt water conservation measures in the plant including maximum recycling to maintain the raw water requirement at the present level even after the above-proposed expansion.
PPs Submission: Complied Following Key Control measures have been taken for conservation of water by adopting the reduce, recycle and reuse techniques. Zero Liquid Discharge (ZLD) plant : The total effluent water is processed through ZLD and recycled back to the process. Salt recovered from the Evaporator of ZLD is reused at Caustic Soda Plant of Plant III for Brine preparation. The overall process involves the extensive pre-treatment to remove the suspended solids, oil and grease, organics and hardness. About 87 Percentage of water is recovered through dual stage High Efficient Reverse Osmosis (HERO) system. Mechanical vapor compressors are used to recover 10 Percentage of water from the RO reject after evaporation followed by centrifuge. Quantity of Water reprocessed through ZLD during the compliance period (April 2025 to September 2025) is 60538 KL (331.14KLD) and Quantity of Salt recovered and reused is 479.79MT (2.62 MT/day) Rain water collection system from the building roofs are also implemented. Photos of Roof top rainwater harvesting system and rain water storage tanks are attached as Annexure 7.		Date: 25/11/2025
14	GREENBELT	A green belt development plan taking into account the expanded activities, common waste disposal sites and other land uses must be made which should ensure coverage of minimum 30 percentage of the total land area.
PPs Submission: Complied Extensive green belt is developed and well maintained to mitigate noise and dust emissions from the plant. The unit has covered 36.1 Percentage of the existing plot area i.e, 42.43 Acres (18780 Nos of trees) under greenbelt with native species. . Photo is at Annexure 10. List of Trees planted is at Annexure 11.		Date: 25/11/2025
15	WASTE MANAGEMENT	State of the art incinerator with waste heat recovery and scrubbing facility must be installed for incinerating HI boiling liquids (VCM high boils) before expansion projects are commissioned.
PPs Submission: Complied State of art Incinerator with waste heat recovery and scrubbing facility was commissioned in 1998 for incinerating VCM high boils and is being validated from time to time. Dioxins and Furans level at the incinerator outlet is being checked through M/s SMS Labs Services Private Limited (NABL and MoEF approved Laboratory) once in a year and the results are in compliance with the norms. Latest monitoring report is attached as Annexure .		Date: 25/11/2025

16	WASTE MANAGEMENT	<p>The landfill sites for hazardous waste disposal must be properly reclaimed with a time bound action plan. Ground water monitoring should be done regularly at a few selected sites within the factory estate and premises and data submitted to State Board and Ministry. The new landfill sites must be concrete impervious lining to prevent possible ground water leaching.</p>	
<p>PPs Submission: Complied</p> <p>Complied. The HW landfill is of composite liner system, which is totally impervious and prevents ground water leaching, constructed as per the CPCB guidelines. Piezometric and Bore wells have been installed around the HW landfills for regular monitoring of Ground Water. Ground Water from the above scientifically identified piezometric and bore wells are being monitored yearly once by Tamil Nadu Pollution Control Board . From the year 2020, all hazardous waste is being disposed to common TSDF of M/s. Re Sustainability Limited (Formerly Known as Tamilnadu Waste Management Limited), at Pochampalli Taluk, Krishnagiri District, 635206 and operation of onsite SLF is completely stopped.</p>		<p>Date: 25/11/2025</p>	
<p style="text-align: center;">Visit Remarks</p>			
<p>Last Site Visit Report Date:</p>		<p>25/11/2024</p>	
<p>Additional Remarks:</p>			
<p>Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>			