

Paste PVC Plant:
SIPCOT Industrial Complex Phase-II
Semmankuppam Village Cuddalore 607005 India
Tel + 91 4142 202 010
E-mail: csl@sanmargroup.com
www.chemplastsanmar.com
CIN L24230TN1985PLC011637

CSL/CUD/ENV/11/2024/002

Date: 29.11.2024

To:

The Deputy Director General of Forest,
Ministry of Environment, Forests & Climate Change,
Integrated Regional Office (SEZ),
1st Floor Additional Office Block for GPOA, Shastri Bhavan,
Haddows Road,
Nungambakkam,
Chennai - 600006

Dear Sir,

Sub: Chemplast Sanmar Limited, SIPCOT Industrial Complex, Semmankuppam Village,
Cuddalore, Tamilnadu – Submission of EC Compliance report for the period April 2024
to September 2024 – Reg.

Ref: Environment Clearance File No. IA-J-11011/132/2020-IA-II (I) dated 16th Nov, 2021.

With reference to the above, we herewith furnish the half yearly compliance report for the period of April 2024 – September 2024 with respect to all specific and general conditions issued vide Environment Clearance Identification No. EC21A020TN119228 dated 16th Nov, 2021.

Thanking you.

For Chemplast Sanmar Limited,



G. Raguram
Assistant Vice President

Encl: As above

Your (Half Yearly Compliance Report) has been Submitted with following details

Proposal No	IA/TN/IND2/156565/2020
Compliance ID	77020164
Compliance Number(For Tracking)	EC/M/COMPLIANCE/77020164/2024
Reporting Year	2024
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	29-11-2024
RO/SRO Name	V Geroge Jenner
RO/SRO Email	tr025@ifs.nic.in
State	TAMIL NADU
RO/SRO Office Address	Integrated Regional Offices, Chennai

Note:- SMS and E-Mail has been sent to V Geroge Jenner, TAMIL NADU with Notification to Project Proponent.

Half Yearly Compliance Report 2024 01 Dec(01 Apr - 30 Sep) Acknowledgement							
Proposal Name			Proposed Project of Poly Vinyl Chloride (PVC) Paste Resin Plant of 70,000 TPA Plant of M/s. Chemplast Sanmar Limited at Cuddalore, Tamilnadu				
Name of Entity / Corporate Office			CHEMPLAST SANMAR LIMITED				
Village(s)			N/A				
District			CUDDALORE				
Proposal No.		IA/TN/IND2/156565/2020		Category		Industrial Projects - 2	
Plot / Survey / Khasra No.		N/A		Sub-District		N/A	
State		TAMIL NADU		Entity's PAN		*****3000F	
MoEF File No.		IA-J-11011/132/2020-IA-II(I)		Entity name as per PAN		CHEMPLAST SANMAR LIMITED	
Compliance Reporting Details							
Reporting Year		2024					
Remarks (if any)							
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	0		0				
Revenue Land	6.01		6.01				
Forest	0		0				
Others	0		0				
Total	6.01		6.01				
Production Capacity							
Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO	
1	Paste PVC Resin	Tons per Annum (TPA)	31/03/2028	70000	0	41000	
Conditions							

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Risk Mitigation and Disaster Management	Recommendations of mitigation measures from possible accident shall be implemented based on advanced risk Assessment studies conducted for worst case scenarios using latest techniques.
PPs Submission: Complied Mitigation measures for credible scenarios derived from the Risk Assessment Studies, onsite emergencies related to operation and the emergency preparedness plan are ready and approved by JDISH. Mock drills are conducted to verify its effectiveness.		Date: 29/11/2024
2	Marine/Coastal	No project activity shall be undertaken in the CRZ-III (NDZ) area without prior permission from the Competent Authority. It shall be left in its natural state.
PPs Submission: Complied No project activity will be undertaken in CRZ-III (NDZ) area without prior permission from the Competent Authority.		Date: 29/11/2024
3	AIR QUALITY MONITORING AND PRESERVATION	Monitoring of compliance of EC conditions shall be submitted with third party audit every year.
PPs Submission: Agreed to Comply Monitoring of compliance of EC conditions will be submitted with Third party audit.		Date: 29/11/2024
4	Marine/Coastal	The company/PP shall ensure that there will be no impact on mangroves plantation present in study area.
PPs Submission: Complied No mangroves inside or in the near-by area of the project.		Date: 29/11/2024
5	Risk Mitigation and Disaster Management	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
PPs Submission: Complied All the Environmental Protection Measures and safeguards proposed to the Ministry are complied. The recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project are completed.		Date: 29/11/2024
6	WATER QUALITY MONITORING AND PRESERVATION	Total water requirement is 1486 m3/day of which fresh water requirement is 1148 m3/day and it is proposed to be met from Chemplast Cuddalore Vinyls Limited(CCVL). The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises.
PPs Submission: Complied Total water requirement for 41KTPA is 883 m3/day of which fresh water requirement is 708 m3/day. All the effluent and sewage waters are treated and reused within the factory and assure that no waste or treated water shall be discharged outside the premises. CSL implemented "Zero Liquid Discharge (ZLD)" system to treat and reuse the waste water generated.		Date: 29/11/2024
7	WATER QUALITY MONITORING AND	Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MoEF & CC. Outcome

	PRESERVATION	from the report to be implemented for conservation scheme.
PPs Submission: Agreed to Comply Comprehensive Water audit will be carried out and the report shall be shared to concern RO of MoEF. Assured to implement the recommendations of the audit outcome for conservation scheme.		Date: 29/11/2024
8	WATER QUALITY MONITORING AND PRESERVATION	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
PPs Submission: Complied Storm water gutters and drains are designed in such a way, it will not get mixed with any process/waste streams and hence there is no requirement of Guard pond.		Date: 29/11/2024
9	MISCELLANEOUS	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer to be done through pumps.
PPs Submission: Complied Hazardous chemicals are stored in tanks, drums, carboys, etc., Chemical storage tank farm is designed with dykes only. And all electrical equipment used in hazardous area are Flame Proof and flame arrestors are provided. Chemicals are transferred using pumps only.		Date: 29/11/2024
10	WASTE MANAGEMENT	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF. The ash from boiler shall be sold to brick manufacturers /cement industry.
PPs Submission: Complied ETP Sludge and evaporation salt will be disposed off to TSDF. Process organic residue and spent carbon are not generated in our process. Ash from boiler is also not applicable to our plant, since boiler is not an integral part.		Date: 29/11/2024
11	AIR QUALITY MONITORING AND PRESERVATION	Regular VOC monitoring shall be done at vulnerable points.
PPs Submission: Complied VOC sensors for continuous monitoring are fixed at the 10 locations based on the Quantitative Risk Assessment recommendations at Vulnerable points in the predominant wind directions derived from dispersion modelling.		Date: 29/11/2024
12	WASTE MANAGEMENT	The oily sludge shall be subjected to melting pit for oil recovery and the residue shall be bio- remediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system.
PPs Submission: Complied There is no generation of Oily sludge from our process or storage. Since VCM is supplied from CCVL and stored in Day Tank only.		Date: 29/11/2024
13	WATER QUALITY MONITORING AND PRESERVATION	Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises.
PPs Submission: Complied Storm water gutters and drains are designed in such a way, it will not get mixed with any process/waste water streams and hence there is no requirement of oil catchers / oil traps.		Date: 29/11/2024
14	WASTE MANAGEMENT	The company shall undertake waste minimization measures as below: a. Metering and control of quantities of active ingredients to

		minimize waste. b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c. Use of automated filling to minimize spillage. d. Use of Close Feed system into batch reactors. e. Venting equipment through vapour recovery system. f. Use of high pressure hoses for equipment cleaning etc. to reduce wastewater generation.
PPs Submission: Complied Following waste minimization measures are implemented in the project. a. All raw material chemicals to reactor are fed through metering. b. No by -products generated from the reaction. c. Automation incorporated for all additives of the process. d. All reactant additives are fed to reactor as closed system and with automation. e. Vent gases are passed through VCM recovery section and vent gas absorption system to recover VCM. f. Reactor cleaning are done through automated high pressure devices.		Date: 29/11/2024
15	GREENBELT	The green belt of 5-10 m width shall be developed in more than 40% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
PPs Submission: Being Complied Green belt with 5-10m width being planted with tree density of 2500 trees per hectares including the plant periphery. Till date 1750nos. new trees planted.		Date: 29/11/2024
16	Corporate Environmental Responsibility	As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall to be completed within time as proposed.
PPs Submission: Being Complied CER activities will be carried out as per Environment Impact Assessment report and our corporate policy.		Date: 29/11/2024
17	MISCELLANEOUS	The project proponent shall ensure 70% of the employment to the local people, as per the applicable law. The project proponent shall set up a skill development centre/provide skill development training to village people.
PPs Submission: Being Complied Almost 70 percent of the employees are local people. As part of CSR activity skill development trainings shall be provided to village peoples.		Date: 29/11/2024
18	MISCELLANEOUS	A separate Environmental Management Cell (having qualified person with Environmental Science / Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
PPs Submission: Complied Environment Management cell is in place with qualified Engineer to carry out the Environmental Management and Monitoring functions. CSL established Full-fledged laboratory facilities for Environmental parameter monitoring.		Date: 29/11/2024

19	Risk Mitigation and Disaster Management	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.
PPs Submission: Complied Company has provided with the following fire mitigation and control infrastructure: 1. Fire Hydrant Tank (2Nos. and Capacity 2000KL each) 2. Fire Hydrant Points - 49Nos. 3. Fire Water cum Foam monitors - 5Nos. 4. Fire escape hydrants (Risers) - 40nos. 5. Fire Extinguishers - 286Nos. (Foam and ABC and CO2) 6. Multi Sensor Fire Detectors - 201Nos. 7. Hydrogen Detectors - 4Nos. 8. Heat Detectors - 159Nos. 9. Manual Call points 66Nos. 10. PPEs relevant to fire emergency - Fire proximity suit, Trolley type SCBA apparatus and Self containing air breathing apparatus.		Date: 29/11/2024
20	AIR QUALITY MONITORING AND PRESERVATION	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. In case of the treated effluent to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet.
PPs Submission: Complied All the required monitoring system are installed. VCM monitors installed at Spray Dryer Stack and Vent Gas Absorption System Vent. Flow meters are installed at the inlet outlet of ETP and STP units and being monitored on real time basis continuously and connected to TNPC Care Air Center.		Date: 29/11/2024
21	Human Health Environment	PP to set up occupational health Centre for surveillance of the worker's health within and outside the plant on a regular basis. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
PPs Submission: Complied CSL established Occupational Health Center within the plant premises for surveillance of workers health. Health data is used in deploying duties of the workers. All workers and employees are provided with basic Personal Protective Equipment and also job specific Personal Protective Equipment.		Date: 29/11/2024
22	AIR QUALITY MONITORING AND PRESERVATION	The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November, 2012 as amended time to time shall be followed.
PPs Submission: Being Complied The National Emission Standards for Petrochemical (Basic and Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November, 2012 is being followed and also in case of any amendment time to time is adhered.		Date: 29/11/2024
General Conditions		
Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

PPs Submission: Complied Noted for compliance.		Date: 29/11/2024
2	ENERGY PRESERVATION MEASURES	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
PPs Submission: Complied LED lighting system is installed in the Plant. And also all motors used in our plant are energy efficient motors with IE3 compliance		Date: 29/11/2024
3	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
PPs Submission: Complied 1. Provided acoustic hood enclosures and silencers for for Emergency DG set source noise. 2. Ambient noise are monitored periodically to comply prescribed standards		Date: 29/11/2024
4	Corporate Environmental Responsibility	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
PPs Submission: Complied CER activities are being carried out as per Environment Impact Assessment report and our corporate policy.		Date: 29/11/2024
5	MISCELLANEOUS	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
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 (Apr 24 to Sep 24) is Rs. 63 Lakhs The breakup details are as follows Sl.No. Description Cost (In Lakhs) 1. ETP/ ZLD and STP Operation - 33 Lakhs 2. Environment Management Cell - 6 Lakhs 3. Care Air Connectivity - 3 Lakhs 4. Water Quality Watch Connectivity - 3 Lakhs 5. Rain Water pH and TS Meter - 1.5 Lakhs 6. Environmental Display Board - 1.5 Lakhs 7. Green Belt Development - 15 Lakhs Total 63 Lakhs		Date: 29/11/2024
6	Statutory compliance	A copy of the clearance letter shall be sent by the project 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.
PPs Submission: Complied Copy of Environment Clearance sent to the semmankuppam village Panchayat vide our Ref. Letter		Date:

No. CSL/Safety/2023/02 dated:25.02.2023		29/11/2024
7	Statutory compliance	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
PPs Submission: Complied EC Compliance status report for the compliance period October'23 to March'24 submitted to MoEF CC , CPCB and TNPCB vide our Letter Ref No. CSL/CUD/ENV/06/2024/003 dated 10.06.2024. Copy of Environmental Clearance and Six monthly Compliance Status reports posted in our company website. URL: https://www.chemplastsanmar.com/pvc-ec-cuddalore.php		Date: 29/11/2024
8	Statutory compliance	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
PPs Submission: Complied Environmental Statement in Form-V for each financial year ending 31st March submitted to MoEF CC , CPCB and TNPCB vide our Letter Ref. CSL /CUD/ENV/09/2024/002 dated 25.09.2024		Date: 29/11/2024
9	Statutory compliance	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
PPs Submission: Complied Advertisement copy of Environmental Clearance published in Newspaper (Tamil - Thinamani and English - The New Indian Express Dt.: 23.11.2021) Copy of the same is submitted to IRO, MoEF CC, vide our Letter dated: 30.07.2022		Date: 29/11/2024
10	Statutory compliance	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
PPs Submission: Agreed to Comply Noted for compliance.		Date: 29/11/2024
11	Statutory compliance	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
PPs Submission: Complied Noted for compliance.		Date: 29/11/2024

Visit Remarks

Last Site Visit Report Date:

N/A

Additional Remarks:

All Pollution Control Measure are being complied as per the guidance. And ETP/ZLD operation is ensured completely and all environmental compliances are ensured.

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.