



Chemplast Sanmar Limited

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CIN L24230TN1985PLC011637

Ref: CSL/CUD/PASTE/ENV/2023/Q3/002

Date: 27.11.2023

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 2023 to September 2023
– 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 2023 – September 2023 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
General Manager – Projects

Encl: As above





पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest and Climate Change



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View Compliance Report at Project Proponent

Proposal Details

Proposal No

IA/TN/IND2/156565/2020

Category

Industrial Projects - 2

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

Plot / Survey/ Khasra No.**Village(s)****Sub-District(s)****State**

TAMIL NADU

District

CUDDALORE

MoEF File No

IA-J-11011/132/2020-IA-II(I)

Name of the Entity/**Corporate Office**

CHEMPLAST SANMAR LIMITED

Entity's PAN

NA

Entity Name as per PAN

NA

Entity details mentioned above is correct ?

Agree

Covering Letter

Covering Letter

NA

Compliance Reporting Details

Reporting Year

2023

Reporting Period

01 Dec(01 Apr - 30 Sep)

Remark(if any)

Details of Production and Project Area

Date of Commencement of Project/Activity

01-06-2022

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	0	0
Revenue Land	6.01	6.01
Forest	0	0
Others	0	0
Total	6.01	6.01

PRODUCTION CAPACITY

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	Chemplast Sanmar Limited	Tons per Annum (TPA)	70000				0

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents	
1	Marine/Coastal	No project activity shall be undertaken in the CRZ-III (NDZ) area without prior permission from the Competent	PPs Submission	Being Complied. No project activity will be undertaken in

		Authority. It shall be left in its natural state.		CRZ-III (NDZ) area without prior permission from the Competent Authority. Complied Attachment: NA
2	AIR QUALITY MONITORING AND PRESERVATION	Monitoring of compliance of EC conditions shall be submitted with third party audit every year.	PPs Submission	Noted for compliance. Monitoring of compliance of EC conditions will be submitted with Third party audit once commissioning of the plant commenced and operation in full capacity. Agreed to Comply Attachment: NA
3	Marine/Coastal	The company/PP shall ensure that there will be no impact on mangroves plantation present in study area.	PPs Submission	Not applicable. No mangroves inside or in the near-by area of the project. Complied Attachment: NA
4	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	Being complied. Implementation of all the recommendations made in the EIA / EMP in respect of Environmental Management and Risk mitigation measures are in progress. Complied Attachment: NA

5	WATER QUALITY MONITORING AND PRESERVATION	Total water requirement is 1486 m ³ /day of which fresh water requirement is 1148 m ³ /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	Noted for compliance. CSL is implementing "Zero Liquid Discharge (ZLD)" system to treat and reuse the treated water within the factory and no waste or treated water will be discharged outside the premises Complied Attachment: NA
6	WATER QUALITY MONITORING AND PRESERVATION	Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MoEF & CC. Outcome from the report to be implemented for conservation scheme.	PPs Submission	Noted for compliance. Comprehensive Water audit will be carried out after commissioning and Operation of the plant. The recommendations of the audit will be implemented for conservation scheme. Agreed to Comply Attachment: NA
7	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	Being 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.

				Complied Attachment: NA
8	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 will be stored in tanks, drums, carboys, etc., only. As per hazardous area zone classification, flame proofed electrical equipment were used Complied Attachment: Click to View
			PPs Submission	Complied. Hazardous chemicals will be stored in tanks, drums, carboys, etc., only. Flame arresters are provided in Tank farm and solvent transfer will be done through pumps. Complied Attachment: NA
9	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	Noted for Compliance. During operational phase, ETP Sludge and evaporation salt will be disposed off to TSDF. Process organic residue and spent carbon are not applicable to our project. Ash from boiler is also not

				applicable to this project since boiler is not an integral part of this project. Agreed to Comply Attachment: NA
10	AIR QUALITY MONITORING AND PRESERVATION	Regular VOC monitoring shall be done at vulnerable points.	PPs Submission	Noted for compliance. VOC monitoring will be done at Vulnerable points in the predominant wind directions derived from dispersion modelling. Agreed to Comply Attachment: NA
11	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	Not Applicable. There is no generation of Oily sludge from our process. Complied Attachment: NA

12	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 streams and hence there is no requirement of oil catchers / oil traps Complied Attachment: NA
13	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	Noted for compliance. Following waste minimization measures are proposed in the project. a. All raw material chemicals to reactor will be fed through metering. b. No by-products will be generated from the reaction. c. Automation incorporated in design stage for all additives of the process. d. All reactant additives will be fed to reactor as closed system and with automation. e. Vent gases will be passed through VCM recovery section and vent gas absorption system to recover VCM. f. Reactor

				cleaning will be done through automated high pressure devices. Complied Attachment: NA
14	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	Noted for compliance. Agreed to Comply Attachment: NA
15	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	Noted for compliance. CER activities will be carried out as per Environment Impact Assessment report and our corporate policy. Agreed to Comply Attachment: NA
16	MISCELLANEOUS	The project proponent shall ensure 70% of the employment to the local people, as per the applicable law. The project proponent shall	PPs Submission	Noted for compliance. Complied Attachment: NA

		set up a skill development centre/provide skill development training to village people.			
17	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.	<table border="1"> <tr> <td>PPs Submission</td> <td>Complied. Environment Management cell is in place with qualified Engineer to carry out the Environmental Management and Monitoring functions. CSL is establishing Full-fledged laboratory facilities for Environmental parameter monitoring. Complied Attachment: NA</td> </tr> </table>	PPs Submission	Complied. Environment Management cell is in place with qualified Engineer to carry out the Environmental Management and Monitoring functions. CSL is establishing Full-fledged laboratory facilities for Environmental parameter monitoring. Complied Attachment: NA
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18	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.	<table border="1"> <tr> <td>PPs Submission</td> <td>Noted for compliance. Company has provided with the following fire mitigation & control infrastructure: 1. Fire Hydrant Tank (2Nos. & 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/ABC/CO2) 6. Multi Sensor Fire Detectors - 201Nos. 7. Hydrogen Detectors - 4Nos. 8. Heat Detectors -</td> </tr> </table>	PPs Submission	Noted for compliance. Company has provided with the following fire mitigation & control infrastructure: 1. Fire Hydrant Tank (2Nos. & 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/ABC/CO2) 6. Multi Sensor Fire Detectors - 201Nos. 7. Hydrogen Detectors - 4Nos. 8. Heat Detectors -
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				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 Complied Attachment: NA
19	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	Noted for compliance. All the required monitoring system were installed. VCM monitors are installed at Spray Dryer Stack and Vent Gas Absorption System Vent. Flow meters are being installed at the inlet & outlet of ETP and STP units. IP enabled camera with night vision capability is under installation at ETP plant to prove the integrity of ZLD status. Agreed to Comply Attachment: NA
20	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	PPs Submission	Noted for Compliance. CSL is establishing Occupational Health Center within the plant

		<p>deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.</p>		<p>premises for surveillance of workers health. Health data will be 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. Agreed to Comply Attachment: NA</p>
21	AIR QUALITY MONITORING AND PRESERVATION	<p>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.</p>	PPs Submission	<p>Noted for compliance. Agreed to Comply Attachment: NA</p>
22	Risk Mitigation and Disaster Management	<p>Recommendations of mitigation measures from possible accident shall be implemented based on advanced risk Assessment studies conducted for worst case scenarios using latest techniques.</p>	PPs Submission	<p>Noted for compliance. Mitigation measures for credible scenarios will be derived from the Risk Assessment Studies, onsite emergencies related to operation & the emergency preparedness plan will be made ready and drill will be conducted to verify its effectiveness. Agreed to</p>

Comply
Attachment: NA

General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents	
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	Noted for compliance. Agreed to Comply Attachment: NA
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 Complied Attachment: NA
3	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be	PPs Submission	Noted for compliance. 1.

		<p>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).</p>		<p>Provided acoustic hood enclosures and silencers for for Emergency DG set source noise. 2. Ambient noise will be monitored to comply prescribed standards Agreed to Comply Attachment: NA</p>
4	Corporate Environmental Responsibility	<p>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.</p>	PPs Submission	<p>Noted for compliance. CER activities will be carried out as per Environment Impact Assessment report and our corporate policy. Agreed to Comply Attachment: NA</p>
5	MISCELLANEOUS	<p>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</p>	PPs Submission	<p>Being 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</p>

		earmarked for environment management/pollution control measures shall not be diverted for any other purpose.		Cost utilized for Environment safe guard and protection measures during the compliance period (Apr 23 to Sep 23) is Rs. 1162 Lakhs The breakup details are as follows; 1. ETP/ ZLD & STP - 650 Lakhs 2. Environment Management Cell -12 Lakhs 3. Air pollution control measures - 500 Lakhs Being Complied Attachment: NA
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 No. CSL/Safety/2023/02 dated:25.02.2023. Complied Attachment: Click to View
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	PPs Submission	Complied. EC Compliance status report for the compliance period Oct'22 to Mar'23 submitted to MoEF & CC , CPCB and TNPCB vide our Letter Ref No. CSL/CUD/ENV/2023/001 dated: 05.06.2023. Copy of Environmental Clearance and Six monthly Compliance Status report shall be posted in our company website. Complied

		monthly compliance status report shall be posted on the website of the company.	Attachment: Click to View
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 Noted for compliance Agreed to Comply Attachment: NA
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	PPs Submission Complied. Advertisement copy of Environmental Clearance published in Newspaper (Tamil - Thinamani & 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 Complied Attachment: Click to View

		of the same shall be forwarded to the concerned Regional Office of the Ministry.		
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	Noted for compliance. Agreed to Comply Attachment: NA
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	Noted Agreed to Comply Attachment: NA

Document Upload

Last Site Visit Report (if available)

NA

Last Site Visit Report Date (if available)

Additional Attachment (if any)

[Click to View](#)

Additional Remarks (if any)

All Pollution Control Measure are being implemented as per the guidance. Project is under construction and in completion phase. At present only Consent To Establish

- I 'CHEMPLAST SANMAR LIMITED' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.

Cover Letter From IRO

Cover Letter From IRO

NA

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