



Chemplast Sanmar Limited
Custom Manufactured Chemicals Divn.

GS/RJ9/TNPCB/16092025
September 16, 2025

44 Theertham Road Berigai 635 105
Shoolagiri Taluk Krishnagiri District Tamil Nadu India
Tel + 91 4344 253 005
E-mail: csl@sanmargroup.com
www.chemplastsanmar.com
CIN L24230TN1985PLC011637

To
The District Environmental Engineer
Tamil Nadu Pollution Control Board
Plot No - 149 A, I floor, Dharga
SIPCOT Industrial Complex
Hosur - 635 126

Dear Sir,

Sub: Chemplast Sanmar Limited (CSL), Berigai Submission of Environmental Statement (Form V) for the FY 2024-25 - Reg.

Ref: 1. CTO Order No 2504163485931 & 2504263485931 under Water Act & Air Act dated 22/07/2025
2. CTO Order No 2307153222383 & 2307253222383 under Water Act & Air Act dated 18/08/2023

With reference to the captioned subject and cited references above, we submit herewith the Environmental Statement of Chemplast Sanmar Limited (CSL), Berigai in Form V prescribed under Rule 14 of Environment (Protection) Act 1986, as amended for FY 2024-2025.

Submitted for your kind information and Records.

Thanking you,

For **CHEMPLAST SANMAR LIMITED**


G SIVAKUMAR
President - Operations

Encl: As above

CC:JCEE (M), TNPCB, Vellore.

Berigai S.O 635105
RL RT459538966IN, IVR No1: 18002666868
09-09-2025 09:37:02, Counter No. 1
To: JT CHIEF ENV ENGINEER
TN POLLUTION CONTROL, VELLORE, 63200
From: CHEMPLAST
SANMAR, KRISHNAG, 635105
Base Amt: 37.00
To: JT CHIEF ENV ENGINEER
P.Mode: Cash
POD:No, www.indiapost.gov.in

Berigai S.O 635105
RT459539105IN, IVR No1: 18002666868
09-09-2025 09:34:48, Counter No. 1
To: DIST ENV ENGINEER
TN POLLUTION CONTROL, KRISHNAGI, 635126
From: CHEMPLAST
SANMAR, KRISHNAG, 635105
Base Amt: 37.00
To: DIST ENV ENGINEER
P.Mode: Cash
POD:No, www.indiapost.gov.in

Regd Office: 9 Cathedral Road



FORM – V
(See Rule – 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDED 31.03.2025

PART-A

- | | | |
|----|--|---|
| 1. | Name and address of the owner/
Occupier of the industry | Ramkumar Shankar
Occupier
Chemplast Sanmar Limited
No 44, Theertham Road
Berigai, 635105, Shoolagiri Taluk
Krishnagiri District, Tamil Nadu. |
| | Operation of process | Manufacture of Speciality chemicals |
| 2. | Date of last environmental report
Submitted | 12 th September 2024 |

PART – B

WATER & RAW MATERIAL CONSUMPTION

1. Water consumption m³/ d

Process	123
Cooling	57
Domestic	27

Name of the products	<u>Water consumption per unit of Products</u>	
	<u>During the previous</u> <u>Financial year</u> <u>(2023-2024)</u>	<u>During the current</u> <u>Financial year</u> <u>(2024-2025)</u>

1 Organic Chemicals

The weighted average of water consumption
per ton of product production is

73 M³/Ton

51 M³/Ton

1.Raw material consumption

Name of the products	Consumption of raw materials per unit of output	
	During the previous financial year 2023 – 2024	During the current financial year 2024 – 2025

1. Organic
Chemicals

Attached as Annexure - I

PART – C

POLLUTION GENERATED

(Parameter as specified in the consent issued)

1.	Pollutants	Quantity of Pollution Discharged	Concentration of pollutants in discharge	Percentage of variation from prescribed standards with reasons
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a. Water ---Zero Discharge Plant--- (No deviation)

TNPCB ROA - ETP RO PERMEATE			
S.No	Parameter	Unit	Observed Value
1	pH	-	7.6
2	Total suspended solids	mg/l	3.4
3	Total Dissolved solids	mg/l	212.5
4	Chlorides	mg/l	71.8
5	Sulphate	mg/l	30.8
6	BOD 3 days @ 27 deg C	mg/l	6.9
7	COD	mg/l	169.2
8	Hexavalent chromium	mg/l	0.005
9	Lead	mg/l	0.457
10	Phenolic compounds	mg/l	<MDL
11	Sulphide	mg/l	2
12	Phosphate	mg/l	1.605

b. Air

Refer below table (No deviation)

Biannual Stack Monitoring Report from TNPCB

Sl.No	Source of discharge	Quantity of Discharge (Nm3/Hr)	Concentration of Pollutants (mg/Nm3)			Concentration of Pollutants (Kg/Day)
			PM	SO2	NOX	
1	Boiler 9 MT/Hr	28788	72	98	234	0.00959
2	Scrubber at Plant I	2476	6	<3	<5	0.00990
3	Scrubber at Plant II	1998	6	<3	<5	0.00799
4	Scrubber at Plant II	2476	6	<3	<5	0.00990
5	Scrubber at Plant II	2419	<5	<3	<5	0.01161
6	Scrubber at Plant I	11	<5	<3	<5	0.00005
7	Scrubber at R&D Plant	2426	<5	<3	<5	0.01164
8	Phyto Plant Scrubber (Process)	2426	8	<3	<5	0.00727
9	Scrubber at Plant II	2313	<5	<3	<5	0.01110
10	Scrubber at Pilot Plant	758	<5	<3	<5	0.00363
11	Scrubber at Plant IV	955	<5	<3	<5	0.00458
12	Scrubber at Plant IV	1180	<5	<3	<5	0.00566
13	Scrubber at Plant IV	2044	<5	<3	<5	0.00981
14	Thermic Fluid Heater	10339	48	26	74	0.00516
15	Scrubber at Plant V	9081	<5	<3	<5	0.04358
16	Scrubber at Plant V	8285	<5	<3	<5	0.03976
17	Scrubber at Plant V	16124	<5	<3	<5	0.07739
18	Scrubber at Plant V	733	<5	<3	<5	0.00351
19	DG Set 600 KVA	5468	40	28	60	0.00328
20	DG Set 600 KVA	5468	36	30	58	0.00364
21	DG Set 600 KVA	5099	36	30	84	0.00339
22	DG Set 600 KVA	5066	38	28	92	0.00319

PART – D

HAZARDOUS WASTE

(As specified under Hazardous Wastes / Management and Handling – Rules 1989)

Hazardous Wastes Generated	<u>Total Quantity (Kg)</u> During the previous Financial year 2023-2024	<u>Total quantity (Kg)</u> During the current Financial year 2024-2025
1. Contaminated aromatic, Aliphatic solvents or Naphthenic solvents not fit for originally intended use (20.1)	0.0	0.0
2. Distillation Residues (20.3)	0.0	0.0
3. Spent catalyst (28.2)	0.0	0.0
4. Used or Spent Oil (5.1)	10000.0	9604.0
5. Chemical Sludge from Wastewater Treatment (35.3)	2488500.0	2480060.0
6. Spent solvents (28.6)	263960.0	340600.0
7. Contaminated cotton rags or other cleaning materials (33.2)	0.0	0.0
8. Empty barrels/containers/liners Contaminated with hazardous Chemicals /wastes (33.1)	25470.0	14030.0

PART – E
SOLID WASTE

	Total Quantity, (kgs)	
	During the previous Financial year 2023-2024	During the current Financial year 2024 - 2025
a. From process	Nil	Nil
b. From pollution control facility	Nil	Nil
c. Quantity Disposed in Kg		

Description	2023-2024	2024-2025
Plastic scraps	6030	2350

PART – F

Please specify the characteristics (in terms of concentration and quantum) of Hazardous wastes and indicate disposal practice adopted for both these categories of wastes.

(i) Hazardous waste:

Category of Hazardous Waste	Characteristics of the Waste	Disposal method
5.1 Spent Oil	Corrosive and fire hazard	Collection, storage and disposal to an authorized recycler.
28.6 Spent Solvent	Toxic and fire hazard	Collection, storage and disposal to an authorized recycler.
33.1 Empty barrels/containers/liners Contaminated with hazardous Chemicals/ wastes	Non-Hazard	Collection, storage and disposal to an authorized recycler.
35.3 Chemical Sludge from Wastewater Treatment	Toxic and health hazard	Disposal to TSDF operated by Resustainability IWM Solutions Limited at Pochampalli, for landfill.
20.3 Distillation Residues	Toxic ,Corrosive and Flammable	Disposal to Resustainability IWM Solutions Limited, Gummidipoondi, for incineration.

Category of Hazardous Waste	Characteristics of the Waste	Disposal method*
20.1 Contaminated aromatic, Aliphatic solvents or Naphthenic solvents not fit for originally intended use	Toxic and Flammable	Disposal to Resustainability IWM Solutions Limited, Gummidipoondi, for incineration.
28.2 Spent Catalyst	Toxic and fire hazard	Collection storage and regeneration to authorized recycler.
33.2 Contaminated cotton rags or other cleaning materials	Toxic and Flammable	Disposal to Resustainability IWM Solutions Limited, Gummidipoondi, for incineration.

PART – G

Impact of the Pollution Control measures on conservation of natural resources and consequently on the cost of production.

- ❖ CSL is operating the Zero Liquid Discharge (ZLD) plant to treat all the effluent generated from the process and utility and the treated water is reused back in the process and utility.
- ❖ All the Utility and Process vents are provided with Air Pollution Control Measures and adequate stack height.
- ❖ Emergency DG vent is connected to stack with adequate height.
- ❖ Double stage condenser is used for solvent recovery.
- ❖ Adiabatic cooling tower is installed for water conservation.
- ❖ ETP 300KLD and STP 100KLD are commissioned.
- ❖ Planted around 2000 Nos of tree saplings of local species to enhance the greenbelt areas.
- ❖ Installed multi parameter analyzer for analyzing COD, BOD, TSS and pH in ETP for continuous monitoring of the treated water quality.
- ❖ Installed Digital Meteorological Station for monitoring the wind velocity, wind speed, wind direction, rainfall, temperature and humidity.
- ❖ Water Audit, Environmental Audit and Leak Detection and Repair (LDAR) study were conducted by the authorized third-party during FY 2024-2025.
- ❖ Monthly Ambient Air Quality , Stack Monitoring, Noise level and Water Quality are conducted through NABL / MoEF & CC recognized third-party laboratories.

PART - H

Additional investment proposal for environmental protection including abatement of pollution:

- ❖ CSL spent Rs 4805 Lakhs in the year 2024-2025 to improve the performance of the environment.
 - Green Belt Development 15 Lakhs
 - Air Pollution Control & Monitoring 140 Lakhs
 - ZLD Improvement 4650 Lakhs
- ❖ Further CSL proposed investing Rs 3780 Lakhs in 2025-2026 for improvements in performance and Environmental protection.
 - Green Belt Development 30 Lakhs
 - Air Pollution Control & Monitoring 250 Lakhs
 - ZLD Improvement 3500 Lakhs

List enclosed - Annexure II

PART - I

Miscellaneous

Particulars with respect to environment protection and abatement of pollution.

1. Recovery and reuse of solvents used in the process
2. Recycle of wastewater such as second washing filtrate of the product is recycled to first washing of the product in the subsequent batch
3. Installed IE 3 motors, Variable Frequency Drive, etc.
4. ESG reporting via Eco Vadis (Percentile 52nd)

5. Green Belt Development:

Total factory land area in acres : 43.0 Acres
Green belt area : 15.2 Acres
Total number trees : 19250 Nos

For CHEMPLAST SANMAR LIMITED,



G SIVAKUMAR

President-Operations

ANNEXURE – I

RAW MATERIALS CONSUMPTION

S.No	Name of the chemicals	Quantity (Tonne)	Quantity (Tonne)
		2023-2024	2024-2025
1	4-Bromo benzyl bromide	0.20	-
2	4-Chloro-2-Amino phenol (4-CAP)	-	142.92
3	50% aqueous cyanamide solution	-	51.97
4	Acetic Acid	0.04	-
5	Acetone	165.15	983.66
6	Acetyl Chloride	-	18.71
7	Acrylonitrile	-	4.56
8	Ammonia Solution (Litres)	33.62	12.54
9	Ammonium Chloride	0.10	-
10	Aniline	-	51.80
11	Calcium Chloride Anhydrous Powder	0.87	-
12	Caustic Soda lye	485.01	269.48
13	Caustic soda flakes	78.37	114.04
14	Chloro acetyl chloride	-	2.71
15	Chloroform	1.20	-
16	Cyclohexanone	-	1.90
17	Di cyclohexylamine	-	6.45
18	Diethyl Malonate	0.50	-
19	Dimethyl Carbonate	118.23	754.87
20	D-Serine	124.66	771.13
21	Ethyl Acetate	-	27.27
22	Glycerol	-	229.66
23	HCl Cylinder (Nos)	1.49	-
24	Heptane	-	14.84
25	Hydrochloric Acid	19.18	156.44
26	Hydrogen Commercial (m3)	176.25	207435.47
27	Hydrogen gas	180.98	-
28	HYFLO	-	7.39
29	Lime	1.50	-
30	Liquid Chlorine	17.78	6.05
31	Methanol	427.86	310.40
32	Methylene Chloride	1.08	-
33	Methyl isobutyl Ketone	446.39	2232.37
34	Methyl tertbutyl ether (KL)	216.31	128.51
35	Nitric Acid	30	-
36	Nitrogen (m3)	13.48	-
37	Palladium carbon	1.00	0.56
38	Phenol	-	2.43
39	Potassium hydroxide	0.250	9.72

S.No	Name of the chemicals	Quantity (Tonne)	Quantity (Tonne)
		2023-2024	2024-2025
40	Potassium Methoxide	309.68	-
41	Propiophenone	-	22.82
42	Soda Ash	0.05	44.15
43	Sodium Bicarbonate	31.40	426.75
44	Sodium Carbonate	6.00	-
45	Sodium Chloride	0.20	9.41
46	Sodium Hypo chlorite	551.11	1152.15
47	Sodium Methoxide	0.196	1.49
48	Sodium Sulphate	0.05	0.02
49	Sodium Thiosulfate	26.81	-
50	Sodium Cyanide	248.40	156.181
51	Sodium Cyanide Powder		5.687
52	Sulphuric Acid	907.24	1199.221
53	TERTIARY BUTYL ALCOHOL		5.004
54	Tetra Hydro Furan	0.54	19.380
55	Thionyl Chloride	0.03	-
56	Tributyl Methyl Ammonium Chloride	1.39	-
57	Triethyl Amine	-	0.896
58	Toluene (Litres)	1000	87.949 (Ton)
59	Vanillin	648.60	377.175

ANNEXURE – II

Investment Proposal for Environmental Protection

Proposed Investment during the Current Financial Year 2025-2026

S. NO	Description	Cost of installations (Rs. In Lakhs)	Purpose
1	Green Belt Development	30	To improve the Green Belt in the premises
2	Air Pollution Control & Monitoring	250	Environment Protection & Control
3	ZLD Improvement	3500	For Consistent Performance of ZLD
	Total	3780	

Pollution Control Measures Implemented during 2024-2025

S. NO	Description	Cost of installations (Rs. In Lakhs)	Purpose
1	Green Belt Development	15	To improve the Green Belt in the premises
2	Air Pollution Control & Monitoring	140	Environment Protection & Control
3	ZLD Improvement	4650	For Consistent Performance of ZLD
	Total	4805	