



Chemplast Sanmar Limited
Sanmar Speciality Chemicals Divn.

44 Theertham Road Berigai 635 105
Shoolagiri Taluk Krishnagiri District Tamil Nadu In
Tel + 91 4344 253 005
www.sanmargroup.com
CIN U24230TN1985PLC011637

YBG/RJ9/TNPCB/25092023
September 25, 2023

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: TNPCB –Industries- Environmental statement-Submission of Form V.

Please find enclosed Environmental statement Form V of M/S. Chemplast Sanmar Limited, Sanmar Speciality Chemicals Division for the year 2022-2023, as per the Rule 14 of Environment (Protection) Act 1986 & Second Amendment Rules 1992. Receipt of which may be kindly acknowledged.

Thanking you.

FOR CHEMPLAST SANMAR LIMITED,

YOGEESWARA BASAPPA GOWDA
Senior Vice President – Operations

Encl: Form V.

CC: JCEE, TNPCB, Vellore.



RT632922798IN IVR:8284632922798
RL BERIGAI S.O (635105)
Counter No:1,27/09/2023,12:26
To:DIST ENVIRONN, TNPCB HOSUR
PIN:635126, Hosur Indl. Complex S.O
From:CHEMPLAST SANMAR,LIMITED
Wt:50gms
Amt:32.00 (Cash)
<Track on www.indiapost.gov.in>
<Dial 18002666868> <Wear Masks,



RT632922807IN IVR:8284632922807
RL BERIGAI S.O (635105)
Counter No:1,27/09/2023,12:26
To:JOINT CHIEF E,VELLORE TNPCB
PIN:632006, Gandhinagar S.O (Vellore)
From:CHEMPLAST SANMAR,LIMITED
Wt:50gms
Amt:32.00 (Cash)

Regd Office: 9 Cathedral Road Chennai 600 086 India



FORM – V
(See Rule – 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDED 31.03.2023

PART-A

1. Name and address of the owner/
Occupier of the industry : Ramkumar Shankar
Occupier
Chemplast Sanmar Limited
Sanmar Speciality Chemicals Divn,
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 : 24.09.2022

PART – B

WATER & RAW MATERIAL CONSUMPTION

1. Water consumption in M³/day
- Process and Cooling : 143.1 M³/day
Domestic : 30 M³/day

Name of the products	<u>Water consumption per unit of Products</u>	
	<u>During the previous Financial year (2021-2022)</u>	<u>during the current financial year (2022-2023)</u>
1 T4C		
2 AE-Phenol		
3 Methyl-2 Phenoxy Iso-Butyrate		
4 Substituted aryl alkyl amine		
5 TR-1600	65.43 M ³ /ton	63.88 M ³ /ton

Multipurpose plant and the combined effluents are treated together. The weighted average of water consumption per ton of product is estimated to be

2. Raw material consumption

Name of the products	Consumption of raw materials per unit of output	
	During the previous Financial year 2021 – 2022	During the current Financial year 2022– 2023

- | | | |
|---|-------------------------------|--------------------------|
| 1 | T4C | Attached as a Annexure-I |
| 2 | AE-Phenol | |
| 3 | Methyl-2 Phenoxy Iso-Butyrate | |
| 4 | Substituted aryl alkyl amine | |
| 5 | TR1600 | |

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
a.	Water	---Zero Discharge Plant----		(No deviation)
b.	Air	51688.5 m3/hr		(No deviation)

Source of discharge	Concentration of Pollutants (mg/Nm3)				
	SPM	SO2	NOX	HCl	HCN
Boiler (6T)	22.0	20.5	38.0	NA	NA
DG (600 KVA) I	0.0	0.0	0.0	NA	NA
DG (600 KVA) II	0.0	0.0	0.0	NA	NA
Scrubber 2A	NA	0.0	NA	0.0	0.0
Scrubber 2B	NA	0.0	NA	0.0	0.0
Scrubber 2C	NA	2.7	NA	1.6	0.0
Phyto Scrubber	NA	0.0	NA	0.0	0.0
Plant IV Scrubber 1	NA	0.6	NA	1.3	0.003
Plant IV Scrubber 2	NA	0.0	NA	0.0	0.0
Plant IV Scrubber 3	NA	1.1	NA	3.1	0.003

PART – D

HAZARDOUS WASTE

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

Hazardous Wastes Generated	Total quantity (Kgs.)	
	During the previous Financial year 2021-2022	during the current financial year 2022-2023
1. Contaminated aromatic, Aliphatic solvents or Naphthenic solvents Not fit for originally intended use (20.1)	0.0	0.0
2. Distillation Residues	0.0	0.0
3. Spent catalyst	0.0	0.0
4. Spent/used Oil	9700.0	8100.0
5. Sludge arising from Waste water Treatment Plant	2417925.0	2385000.0
6. Spent solvents	161000.0	252540.0
7. Contaminated cotton rags or other cleaning materials	0.0	0.0
8. Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	0.0	14180.0

PART – E

SOLID WASTE

	Total Quantity, (kgs)	
	During the previous Financial year 2021-2022	during the current financial year 2022 - 2023
a. From process	Nil	Nil
b. From pollution control facility	Nil	Nil

c. Quantity Disposed in Kg

Description	2021-2022	2022-2023
Metal scraps	150810.44	238951
Plastic scraps	19880	15570
Insulation scraps(Lot)	14	17.2
Used Cable Scrap	9090	3700
Used Broken Pallets	24055	25220

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:

Name of Hazardous Waste	Category	Characteristics of The Waste	Disposal method
1) Contaminated Aromatic, aliphatic solvents not fit for originally intended use.	20.1	Toxic and Flammable	Disposal to TNWML, Gummidipoondi, for incineration.
2) Distillation Residue	20.3	Toxic ,Corrosive and Flammable	Disposal to TNWML, Gummidipoondi, for incineration.
3) Spent Catalyst	28.2	Toxic and fire hazard	Collection storage and disposal to authorized re-processors.
4) Used / spent oil	5.1	Corrosive and fire hazard.	Collection, stored in HDPE drums, and disposal through to an authorized recycler.
5) Sludge's arising from the treatment of wastewater.	35.3	Toxic and health hazard	Disposal to Secured landfill facility, operated by TNWML at Gummidipoondi.
6) Discarded containers / barrels / liners used for hazardous waste / Chemicals.	33.3	No-Hazard	Collection storage and disposal to authorized recyclers.

PART – G

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

- ❖ By operating the Zero liquid discharge plant, the cost of production was increased but no effluent discharge, thereby protecting the Environment.

PART – H

Additional investment proposal for environmental protection including abatement of pollution:

We have spent Rs 37.75 Lakhs in the year of 2022-2023 for improving the performance of environment.

Further CSL proposed to invest Rs 80 Lakhs in 2023-24 for improvements in performance and Environmental protection.

List enclosed - Annexure – II

PART - I


Miscellaneous

Particulars with respect to environment protection and abatement of pollution.

1. Green Belt Development:

Total factory land area in acres	: 43.0 Acres.
Green belt area	: 14.2 Acres.
Total number trees	: 16250 Nos

For CHEMPLAST SANMAR LIMITED,


Yogeeswara Basappa Gowda
Senior Vice President - Operations.

ANNEXURE - I

RAW MATERIALS CONSUMPTION

Sl. No	Name of the chemicals	Quantity	Quantity
		(in Kgs.)	(in Kgs.)
		2021-2022	2022-2023
1	Acetic Acid	15	20
2	Activated Carbon	120	130
3	Acrylonitrile	0	12941
4	Ammonium Bi carbonate	54565	0
5	Caustic Soda lye	395251	474504
6	Caustic soda flakes	82492	61562
7	Cyclohexanone	0	5530
8	Methyl 2- bromo 2 methyl propionate	4100	14315
9	Ethyl amine 70% sol	0	1611
10	Hydrochloric Acid	0	37181
11	Hydrogen gas	28375	35191
12	Hyflo	22.7	25
13	Methanol	497640	571720
14	4-Methoxy phenyl acetone	0	3857
15	Methyl tertbutyl ether (Litres)	197976	248722
16	Palladium carbon	847.4	1207
17	Propiophenone	45210	0
18	Phenol	2344	8452
19	Potassium hydroxide	0	129
20	Sodium Hypo chlorite	360878	2304907
21	Sodium cyanide	213010	260193
22	Sulphuric acid	744224	872339
23	Toluene	3165	13451
24	Vanillin	554450	674327

Annexure- II**PROPOSED INVESTMENT DURING THE CURRENT FINANCIAL YEAR 2023-2024**

NO	Description	Cost of installations (Rs. In Lakhs)	Purpose
1	Green Belt Development	15.00	To improve the Green Belt in the premises
2	ZLD Improvement	65.00	To Enhance the treatment of Effluent
	Total	80.00	

Pollution control measures implemented during 2022-2023

NO	Description	Cost of installations (Rs. In Lakhs)	Purpose
1	Green Belt Development	11.75	To improve the Green Belt in the premises
2	ZLD Improvement	26.00	To Enhance the treatment of Effluent
	Total	37.75	