



**Chemplast Sanmar Limited**  
Sanmar Speciality Chemicals Divn.

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

YBG/RJ9/TNPCB/24092021  
September-24, 2022

To  
The District Environmental Engineer  
Tamil Nadu Pollution control Board  
Plot No – 149 A, I floor, Dharga  
SIPCOT Industrial Complex  
Hosur- 635126

Sir

Sub: TNPCB - Industries - Environmental Statement- Submission of Form V

Please find enclosed Environment Statement for the year 2021-2022, in duplicate, as per Rule 14 of Environment (Protection) Act 1986, Second Amendment Rules 1992, receipt of which may be kindly acknowledged.

Thanking You Sir,

Yours faithfully,

For Chemplast Sanmar Limited  
Sanmar Speciality Chemicals Division.

Senior Vice President-Operations  
Authorized Signatory

Encl: as above- Form V

CC: JCEE, TNPCB, Vellore

Regd Office: 9 Cathedral Road Chennai 600 086 India



**FORM – V**  
(See Rule – 14)

**ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDED 31.03.2022**

**PART-A**

1. Name and address of the owner/  
Occupier of the industry : Ramkumar Shankar  
Occupier  
Chemplast Sanmar Limited  
Sanmar Speciality Chemicals Division,  
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 : 24.09.2021

**PART – B**

**WATER & RAW MATERIAL CONSUMPTION**

1. Water consumption in M<sup>3</sup>/day
- Process and Cooling : 103.8 M<sup>3</sup>/day  
Domestic : 11.8 M<sup>3</sup>/day

**Name of the products**

**Water consumption per unit of Products**  
**During the previous**      **During the current**  
**Financial year**              **Financial year**  
**(2020-2021)**                  **(2021-2022)**

Name of the products	During the previous Financial year (2020-2021)	During the current Financial year (2021-2022)
1 T4C	Multipurpose plant and the combined effluents are treated together. The weighted average of water consumption per ton of product is estimated to be	
2 AE-PHENOL		
3 Methyl-2 phenoxy isobutyrate		
4 TR1600	60.84 M <sup>3</sup> /ton	65.43 M <sup>3</sup> /ton

## 2. Raw material consumption

Name of the products	Consumption of raw materials per unit of output	
	During the previous Financial year 2020 – 2021	During the current Financial year 2021– 2022

- 1 T4C
- 2 AE-PHENOL
- 3 Methyl-2 phenoxy iso butyrate
- 4 TR1600

Attached as a 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
a. Water	---Zero Discharge Plant---		(No deviation)
b. Air	3442.5 m3/hr		(No deviation)

Source of discharge	Concentration of Pollutants (mg/Nm3)				
	SPM	SO2	NOX	HCl	HCN
Boiler (6T)	43.5	26	23.5	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	7.5	9.0	0.0	0.0
Scrubber 2B	NA	NA	NA	0.0	0.0
Scrubber 2C	NA	NA	NA	0.0	0.0
Phyto Scrubber	NA	0.0	NA	0.0	0.0
Plant IV Scrubber 1	NA	0.0	NA	0.0	0.0
Plant IV Scrubber 2	NA	0.0	NA	0.0	0.0
Plant IV Scrubber 3	NA	0.0	NA	0.0	0.0

**PART – D**

**HAZARDOUS WASTE**

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

<b>Hazardous Wastes Generated</b>	<b>During the previous Financial year 2020-2021</b>	<b><u>Total quantity (Kgs.)</u> During the current Financial year 2021-2022</b>
1. Contaminated aromatic, Aliphatic solvents or Naphthenic solvents Not fit for originally intended use (20.1)	0.0	0.0
2. Distillation Residues	10255.0	0.0
3. Spent catalyst	0.0	0.0
4. Spent/used Oil	6400.0	9700.0
5. Sludge arising from Waste water Treatment Plant	695615.0	2417925.0
6. Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	NA	0.0
7. Spent solvents	NA	161000.0
8. Contaminated cotton rags or other cleaning materials	NA	0.0

**PART – E**  
**SOLID WASTE**

	Total Quantity, (kgs)	
	During the previous Financial year 2020-2021	During the current Financial year 2021 - 2022

a.	From process	Nil	Nil
b.	From pollution control facility	Nil	Nil

c. Quantity Disposed in Kg

Description	2020-2021	2021-2022
Metal scraps	95395.4	150810.44
Plastic scraps	15740	19880
Insulation scraps(Lot)	10.5	14
used battery (Nos)	54	46
Used Broken Pallets	16345.0	24055

**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) Empty Barrels/ container/ liners contaminated with hazardous chemicals/wastes	33.3	Toxic and health hazard	Collection storage and disposal to authorized recyclers.
7) Spent Solvents	28.6	Toxic and Flammable	Collection storage and disposal to authorized recyclers.
8) Contaminated cotton rags or other cleaning materials	33.2	Toxic and health 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 100.0 Lakhs in the year of 2021-2022 for improving the performance of environment.

Further proposed to 37 Lakhs in 2022-23 for improvements in performance and Environmental protection.  
List enclosed - Annexure – II

**PART - I**

**Miscellaneous**

**Any other particulars in respect of environment protection and abatement of pollution.**

**1. Green Belt Development:**

Total factory land area in acres	: 43.00.
Green belt area (33%)	: 16.10 Acres
<b>Total number trees</b>	<b>: 16100 NOS</b>

**For CHEMPLAST SANMAR LIMITED,  
SANMAR SPECIALITY CHEMICALS DIVISION.**



**Yogeeswara Basappa Gowda  
Senior Vice President-Operations**

**CHEMPLAST SANMAR LIMITED**  
**SANMAR SPECIALITY CHEMICALS DIVISION. ,**  
**ANNEXURE – I**

**RAW MATERIALS CONSUMPTION**

Sl. No	Name of the chemicals	Quantity (in Kgs.) 2020-2021	Quantity (in Kgs.) 2021-2022
1	Acetic Acid	226	15
2	Activated Carbon	714	120
3	Acrylonitrile	11453	0
4	Ammonium Bi carbonate	59669	54565
5	Caustic Soda lye	333357	395251
6	Caustic soda flakes	70638	82492
7	Cyclohexanone	4894	0
8	Methyl 2- bromo 2 methyl propionate	3899	4100
9	Ethyl amine 70% sol	3270	0
10	Hydrochloric Acid	514140	0
11	Hydrogen gas	24910	28375
12	Hyflo	336	22.7
13	Methanol	438475	497640
14	4-Methoxy phenyl acetone	7832	0
15	Methyl tertbutyl ether (Liters)	168606	194976
16	Palladium carbon	818	847.4
17	Propiophenone	47978	45210
18	Phenol	2302	2344
19	Pottasium hydroxide	114	0
20	Sodium Hypochlorite	1602906	360878
21	Sodium cyanide	196352	213010
22	Sulphuric acid	593263	744224
23	Toluene	3664	3165
24	Vanillin	457121	554450



**CHEMPLAST SANMAR LIMITED**  
**SANMAR SPECIALITY CHEMICALS DIVISION.**  
**ANNEXURE -II**

**PROPOSED INVESTMENT DURING THE CURRENT FINANCIAL YEAR 2022-2023**

NO	Description	Cost of installations (Rs. In lakhs)	Purpose
1	Green Belt Development	12	To improve the Green Belt in the premises
2	ZLD Improvement	25	To Enhance the treatment of Effluent
	Total	37.0	

**Pollution control measures implemented during 2021-2022**

NO.	Description	Cost of installations (Rs. In lakhs)	Purpose
1	Biological Treatment Plant expansion	100.0	To Enhance the treated effluent quality