



Chemplast Sanmar Limited
Sanmar Speciality Chemicals Divn.

YBG/rj/TNPCB/210904
September 24, 2021

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

To

The District Environmental Engineer
Tamil Nadu Pollution control Board
Plot No – 149 A, 1 floor, Dharga
SIPCOT Industrial Complex
Hosur- 635126

Dear Sir

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

Please find enclosed the Environmental Statement for the year 2020 - 2021, in duplicate, as per Rule 14 of Environment (Protection) Act 1986, Second Amendment Rules 1992, receipt of which may kindly be acknowledged.

Thanking you,

Yours faithfully,

For CHEMPLAST SANMAR LIMITED
SANMAR SPECIALITY CHEMICALS DIVN

Yogeeswara Basappa Gowda
Sr. Vice President – Operations

Encl: as above – Form V

Regd Office: 9 Cathedral Road Chennai 600 086 India



FORM – V
(See Rule – 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDED 31.03.2021

PART-A

1. Name and address of the owner/
Occupier of the industry : P.S.Jayaraman
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 : 01.10.2020

PART – B

WATER & RAW MATERIAL CONSUMPTION

1. Water consumption in M³/day
- Process and Cooling : 101.4 M³/day
Domestic : 13.2 M³/day

Name of the products	<u>Water consumption per unit of Products</u>	
	<u>During the previous Financial year (2019-2020)</u>	<u>During the current Financial year (2020-2021)</u>
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 SUBSTITUTED ARYL-ALKYL AMINE		
5 TR1600		
	60.97 M ³ /ton	60.84M ³ /ton

2.Raw material consumption

Name of the products	Consumption of raw materials per unit of output	
	During the previous Financial year 2019 – 2020	During the current Financial year 2020– 2021
1 T4C		
2 AE-PHENOL		
3 METHYL-2 PHENOXY ISO BUTYRATE		Attached as a Annexure-I
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	15078.0m3/hr		(No deviation)

Source of discharge	Concentration of Pollutants (mg/Nm3)				
	SPM	SO2	NOX	HCl	HCN
Boiler (6T)	32	26	33	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	4.0	6	0.0	0.0
Phyto Scrubber	NA	0.0	NA	0.0	0.0
Plant IV Scrubber 1	NA	0.0	NA	0.0	0.006
Plant IV Scrubber 2	NA	0.0	NA	0.0	0.0
Plant IV Scrubber 3	NA	0.0	NA	0.0	0.006

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 2019-2020	During the current Financial year 2020-2021
1. Contaminated aromatic, Aliphatic solvents or Naphthenic solvents not fit for originally intended use (20.1)	200.0	0.0
2. Distillation Residues	200.0	10255.0
3. Spent catalyst	0	0
4. Spent/used Oil	4040	6400.0
5. Sludge arising from Waste water Treatment Plant	760000	695615.0

PART – E

SOLID WASTE

	Total Quantity, (kgs)	
	During the previous Financial year 2019-2020	During the current Financial year 2020 - 2021

- a. From process Nil Nil
- b. From pollution control facility Nil Nil
- c. Quantity Disposed in Kg

Description	2019-2020	2020-2021
Metal scraps	222223	95395.4
Plastic scraps	7845	15740
Insulation scraps(Lot)	7.5	10.5
Damaged cable scraps/used battery	380	54
Used Broken Pallets	163801	16345.0

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 520.0 lacks in the year of 2020-2021 for improving the performance of environment.

Further proposed to invest Rs 100.0 lacks in 2021-22 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
Total number trees	: 16250 NOS

For CHEMPLAST SANMAR LIMITED,
SANMAR SPECIALITY CHEMICALS DIVN.

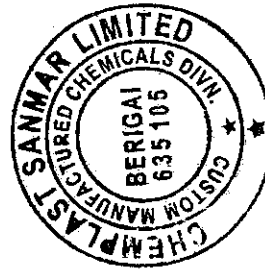


Yogeeswara Basappa Gowda
Senior Vice President-Operations

ANNEXURE - I

RAW MATERIALS CONSUMPTION

Sl. No	Name of the chemicals	Quantity	Quantity
		(In Kgs.)	(in Kgs.)
		2019-2020	2020-2021
1	Acetic Acid	120	226
2	Activated Carbon	309	714
3	Acrylonitrile	5514	11453
4	Ammonium Bi carbonate	31900	59669
5	Caustic Soda lye	332218	333357
6	Caustic soda flakes	92966	70638
7	Cyclohexanone	2301	4894
8	Methyl 2- bromo 2 methyl propionate	0	3899
9	Ethyl amine 70% sol	3331	3270
10	Hydrochloric Acid	477421	514140
11	Hydrogen gas	25659	24910
12	Hyflo	456	336
13	Methanol	449149	438475
14	4-Methoxy phenyl acetone	7400	7832
15	Methyl tertbutyl ether (Liters)	158906	168606
16	Palladium carbon	751	818
17	Propiophenone	26400	47978
18	Phenol	0	2302
19	Pottasium hydroxide	55	114
20	Chloro acetic acid	7652	0
21	Sodium Hypochlorite	1441622	1602906
22	Sodium cyanide	196916	196352
23	Sulphuric acid	644629	593263
24	Toluene	0	3664
25	Vanillin	481401	457121



CHEMPLAST SANMAR LIMITED
SANMAR SPECIALITY CHEMICALS DIVN.
ANNEXURE -II

PROPOSED INVESTMENT DURING THE CURRENT FINANCIAL YEAR 2021-2022

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

Pollution control measures implemented during 2020-2021

NO.	Description	Cost of installations (Rs. In lakhs)	Purpose
1	Biological Treatment Plant expansion	400.0	To Enhance the treated effluent quality
2	RO Plant expansion	100.0	To mitigate outlet generation
3	TSDF Vehicle loading bay	10.0	To avoid soil contamination
4	Used oil storage yard modification	10.0	To handle the used oil barrels in scientific manner
	Total	520.00	

