

September 19, 2022

To,
The Member Secretary
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector – 10/A,
Gandhinagar – 382 010.

PCB ID: 43026

Sub. : Submission of Environmental statement for the financial year ending 31st March 2022

Dear Sir,

We are forwarding herewith the Environmental Statement in Form-V for the financial year ending 31st March, 2022 for our Indofil Industries limited (Unit-3) unit, located at plot no. D-2/Ch-12, GIDC, Dahej, Dist.- Bharuch.

We have also enclosed environment monitoring results including;

- 1) Hazardous waste analysis report
- 2) Effluent analysis report
- 4) Ambient air monitoring report
- 5) Stack monitoring report

We hope that the above is in order.

Thanking You.

Yours faithfully,
For Indofil Industries Limited (Unit – 03)



(Authorized Signatory)

Encl: a/a

CC: The Regional Officer – Bharuch
Gujarat Pollution Control Board
C-1/119/3, GIDC Phase-2,
Narmadanagar,
Bharuch-392015, Gujarat

Arwiz
Post Received
Gujarat Pollution Control Board
BHARUCH
12/9/22

[FORM – V]
(See rule 14)

Environmental Statement for the financial year ending the 31st March 2022
PART – A

(i)	Name and address of the owner/occupier of the industry operation or process.	Indofil Industries Limited, Unit 3 Indofil Industries Limited (Unit-03) Plot no. D-2/CH-12, GIDC Estate, Dahej, Tal.- Vagra, Dist.- Bharuch- 392130
(ii)	Industry category Primary ----(STC code) Secondary.-----(SIC Code)	Red (Manufacturing of Agro chemical and Specialty chemicals)
(iii)	Production capacity units	Mancozeb & Its Formulation – 55,0000 MT/Annum Specialty Chemicals Solution Polymer – 3634 MT/Annum Re-Dispersible Powder – 11571 MT/Annum Plastic Modifiers –20055 MT/Annum Acrylic Emulsion -2635 MT/Annum
(iv)	Year of establishment	2018
(v)	Date of the last environmental statement submitted	05.07.2021

PART – B

Water and Raw Material Consumption

- (1) Water consumption use M³/day:
 Process : 184
 Cooling : 186
 Domestic : 134

Name of Products	Process Water consumption per unit of product output.	
	During the previous financial Year KL/ton of product	During the Current financial financial Year KL/ton of product
Mancozeb & Formulations	2.23	2.22
Zineb& its formulation	0.89	0.90
Solution Polymer	0.65	0.66
Redispersal Powder	0.79	0.79
Plastic Modifier	1.84	1.83
Acrylic Emulsion	0.64	0.65

1. Substituted by Rule 2 (b) of the Environment (Protection) Amendment Rules, 1993 notified vide G.S.R 3'6 (E) dated 22.04.1993.

ii) **Raw Material Consumption**

Name of raw materials	Name of products	Consumption of raw material per Unit of output	
		during the previous financial year (MT/MT of Product)	during the current financial year (MT/MT of Product)
Carbon Disulphide	Mancozeb & Formulations	0.49	0.46
Caustic Soda Lye		0.54	0.50
Zinc Sulphate		0.18	0.17
Sodium Lignosulphonate		0.08	0.08
Ethylene Diamine		0.20	0.18
Managnese Sulphate		1.65	1.54
Hexamethylene Tetramine		0.04	0.03
NOPCONXZ		0.001	0.001
Carbon Disulphide	Zineb& its formulation	0.46	0.43
Caustic Soda Lye		0.49	0.47
Zinc Chloride Solution		1.45	1.38
Sodium Lignosulphonate		0.04	0.05
Ethylene Diamine		0.18	0.17
Bridenol OT		0.01	0.01
Hexamethylene Tetramine		0.03	0.03
China Clay		0.02	0.02
Di Iso Butylene	Solution Polymer	0.141	0.14
Ortho Xylene		0.057	0.06
Maleic Anhydride		0.095	0.10
Styrene		0.007	0.01
Hydrogen Peroxide		0.001	0.0013
Caustic Soda Lye		0.113	0.11
Butyl Acrylate		0.032	0.032
Vinyl Acetate Monomer	Redispersal Powder	0.455	0.455
PVA Solution (Poly Vinyl Alcohol)		0.071	0.071
Celvolite -1328		0.404	0.404
Butyl Acrylate		0.706	0.706
Methyl Metha Acrylate	Plastic Modifier	0.173	0.173
Sodium Lignosulphonate		0.003	0.003
TMPTA(Mercapten)		0.002	0.002
Butyl Acrylate		0.200	0.200
Styrene	Acrylic Emulsion	0.082	0.082
GAA		0.009	0.009

Urea - Industrial Grade	0.078	0.078
Aqueous Ammonia	0.005	0.005

PART - C
Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

1) Pollutants	Quantity of pollutants discharged (kg/day)	Concentrations of pollutants in discharges (Mg/l)	Percentage of variation from prescribed standards with reasons
a) Water	Our unit is Zero Liquid Discharge (ZLD) Plant		
b) Air	Boiler Stack		
PM	1623.54	79.00	The limits of various pollutants are below the prescribed limits
SOx	0.70	40.38	
NOx	0.54	31.48	
Air	Process Stack Vent EBDC		
CS2	2.80	15.68	The limits of various pollutants are below the prescribed limits
H2S	0.51	2.88	
	PPT Scrubber Vent		
CS2	3.21	18.00	The limits of various pollutants are below the prescribed limits
H2S	0.36	2.00	
	Spray Dryer EBDC Stack		
PM	226.71	12	The limits of various pollutants are below the prescribed limits
	Spray Dryer IIS Stack		
PM	385.41	13.6	The limits of various pollutants are below the prescribed limits

PART - D
Hazardous Wastes

(as specified under Hazardous Waste Management and Handling Rules, 1989)

Hazardous Waste	Total Quantity (MT)	
	During the previous Financial Year	During the current Financial Year

a. From Pollution control facility (ETP / MEE Sludge)	2177.5	2050.69
b. Process Residue for Co-Processing & Incinerable Waste	396.78	360.9
c. Spent Solvent - To Recycler u/rule 9	326.43	565.76
d. Discarded Drums and Liners	448.21	591.58
e. Used Oil	1.05	2.32

**Total incinerable sent is for co-processing

**PART – E
Solid Wastes**

	Total Quantity (MT)	
	During the previous Financial Year	During the current Financial Year
Wooden Scrap	90.94	180.99
SS Scrap	0.84	4.630
MS Scrap	317.73	92.335
Aluminum Scrap	0	0
Electrical Scraps	0	0

PART – F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes. Characteristics of ETP Sludge is as per below table.

Sr. No.	Hazardous Waste	Category no.	Quantity	Chemical Form	Disposal Mode
1	Chemical sludge from wastewater treatment	Sch. I/ 34.3	100 MT/Month	CaSO ₄ , CaCO ₃ , Ca(PO ₄) ₂	Collection, Storage, Transportation & Disposal at TSDF site
2	Used Oil	Sch. I/ 5.1	1200 Ltr./Month	Waste Oil	Collection, Storage, Transportation, Disposal by Selling to registered re-refiners.
3	Discarded drums/barrels/liners	Sch. I/ 33.3	1500 Nos./ Month	Metal, Plastic, liners, HDPE	Collection, Storage, decontamination, transportation, disposal by selling to registered recyclers/ decontamination facility.

4	Process Residue	Sch. I/ 29.1	5 MT/Month	Organic/Solvent	Collection, Storage, Transportation & Disposal by sent to incineration/Co-process facility.
5	Spent Solvent	Sch. I/ 29.4	25 MT/Month	Used Solvent	Collection, Storage, Transportation & sell to actual end user.
6	Manganese Carbonate	Sch. I/ 35.3	980 MT/Month	MnCO ₃	Collection, Storage, Transportation & sell to actual end user
7	Fly ash	--	180 MT/Month	Fly ash	Collection, Storage, Transportation & send to brick Manufacturer/TSDf site.

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Sr. No	Pollution Abatement measures	Impact on Conservation of resources
1	Installation of Steam Pre Heater	Reduction in Natural Gas daily Consumption
2	Optimization in FLS Flushing operation	Reduction in Water Consumption

PART – H

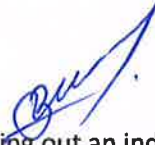
Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

Sr. No	Particulars	Investment
1	Installation of Steam Pre Heater to reduce NG consumption	1,26,00,000 /-
2	Miya Waki Dense Forest project For Green Belt	10,00,000 /-
3	Extension of Hazardous Waste Storage Area	8,00,000 /-

PART – I

Any other particulars for improving the quality of the environment.

- 1) Industry has obtained and Implemented ISO – 14001 for Environment Management System
- 2) Improvement in Raw effluent quality
- 3) OEMS installed for Coal fire boiler stack
- 4) LED Display board installation for Display of Site Environment Parameter
- 5) MEE Efficiency Improvement – Six Sigma Project
- 6) Improvement in Quality of Sodium Sulphate salt
- 7) ETP Raw Material Dosing Optimization



(Signature of a person carrying out an industry, operation and process)

Date: 12.09.2022

Name : Mr. Hitesh B Patel
Designation : Unit Head
Address : Indofil Industries Limited (Unit-03)
Plot no. D-2/CH-12, GIDC Estate,
Dahej, Dist.- Bharuch- 392130.