Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000057433	13-09-2023

PART A

Company Information

Company Name	***Application UAN number***
Pidilite Industries Limited	Pidilite Industries Limited

Address

Plot no A 21/1, A21/2, and A22/1 MIDC Mahad , Tal-Mahad, Dist-Raigad

Plot no	***Taluka***	***Village***
Plot no A 21/1, A21/2, and A22/1	Mahad	Kamble turphe Birwadi
Capital Investment (In lakhs)	***Scale***	***City***
228.29	Large	Mahad
Pincode	***Person Name***	***Designation***
402309	Mr Ganesh S Landge	Factory Manager
Telephone Number	***Fax Number***	***Email***
02145232045	02145232048	ganesh.landge@pidilite.com
Region	***Industry Category***	***Industry Type***
SRO-Mahad	Red	other
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	Format 1.0/CAC/UAN No. MPCB-CONSENT-0000139996/CR-2211000561	2022-11-08
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2022-12-31	1996	Sep 23 2022 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Polymer based on Vinyl Acetate Monomer , Acrylate Styrene, Ethylene Monomers and Adhesive based on PVA	41100	34553.52	MT/A

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
NA	0	0	

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	110.00	83.70
Cooling	132.00	99.46
Domestic	28.00	24.55
All others	40.00	6.81
Total	310.00	214.52

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	51.5	28.51	CMD
Domestic Effluent	25	9.1	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Polymer based on vinyl Acetate Monomer , Acrylate,Styrene,Ethylene Monomers and adhesive based on PVA	0.527	0.520	Ton/Ton

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
DM water	0.527	0.520	Ton/Ton
Monomers	0.43	0.40	Ton/Ton
catalyst & additives	0.053	0.08	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	2919.97	1146.92	MT/A
LDO	1278.9	0.100	MT/A
HSD	1822.08	39.231	MT/A

Part-C

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
pH	0	6.82	0	5.5 to 9.0	No variation
Oil & Grease	0.02	1	0	10	No variation
BOD	0.78	27.75	0	100	No variation
TDS	38.2	1345.24	0	2100	No variation

Suspended solids	0.24	8.75	0	100	No variation
COD	2.85	100	0	250	No variation
CLORIDES	11.97	423.5	0	600	No variation
Sulphate	6.28	218	0	1000	No variation
TAN	0.54	19.5	0	50	No variation

[B] Air (Stack)

Pollutants Detail	***Quantity of Pollutants discharged (kL/day)***	***Concentration of Pollutants discharged(Mg/NM3)***	***Percentage of variation from prescribed standards with reasons***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
SO2-TFH/Steam generator	5.65	19.07	0	80	No variation
PM-TFH/Steam generator	0	86.35	0	150	No variation
SO2-DG STACK	0	0.58	0	315	No variation
PM-DG STACK	0	59.88	0	150	No variation

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
5.1 Used or spent oil	630	675	Ltr/A
5.2 Wastes or residues containing oil	0.002	0.003	MT/A
23.1 Wastes or residues (not made with vegetable or animal materials)	147.34	200.4	MT/A
23.1 Wastes or residues (not made with vegetable or animal materials)	5.898	6.52	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	6647	5991	Nos./Y

2) From Pollution Control Facilities

Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
35.3 Chemical sludge from waste water treatment	35.44	39.6	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
Waste paper, damaged pallets, Sweeping material	56.76	59.160	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
Coal Ash	71	63.90	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***

0	0	0	Kg
0	0	0	Kg

Part-F

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

1) Hazardous Waste

Type of Hazardous Waste Generated	***Qty of Hazardous Waste***	***UOM***	***Concentration of Hazardous Waste***
5.1 Used or spent oil	675	Ltr/A	Sale to Authorized party/CHWTSDF
5.2 Wastes or residues containing oil	0.003	MT/A	CHWTSDF
23.1 Wastes or residues (not made with vegetable or animal materials)	200.4	MT/A	Sale to authorized party/pre preprocessor/CHWTSDF
23.1 Wastes or residues (not made with vegetable or animal materials)	6.520	MT/A	Sale to authorized party/pre preprocessor/CHWTSDF
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	5991	Nos./Y	Sale to Authorized party/ CHWTSDF
35.3 Chemical sludge from waste water treatment	39.6	MT/A	Sale to authorized party/pre preprocessor/CHWTSDF

2) Solid Waste

Type of Solid Waste Generated	***Qty of Solid Waste***	***UOM***	***Concentration of Solid Waste***
Coal/Fly ash	63.90	MT/A	Sale to cement /brick manufacturer
Waste paper, damaged pallets, Sweeping material	59.160	MT/A	sale to scrap merchant/vendor

Part-G

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

Description	***Reduction in Water Consumption (M3/day)***	***Reduction in Fuel & Solvent Consumption (KL/day)***	***Reduction in Raw Material (Kg)***	***Reduction in Power Consumption (KWH)***	***Capital Investment(in Lacs)***	***Reduction in Maintenance(in Lacs)***
Rain water harvesting	51.86	0	0	0	0	0
Solar power	0	0	0	990391	0	0

Part-H

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

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	***Environmental Protection Measures***	***Capital Investment (Lacks)***
Installation of Briquette fired boiler	Sustainable development initiative to replace coal fired boiler by briquets	140
Installation of surfactant above ground storage tanks	Reduction in Hazardous waste (CONTAMINATED DRUMS)	140.23
Installation of Treated water holding tank	Sustainable development initiative	40

Energy efficient motor replacement	Reduction of natural resources	13.82

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	***Environmental Protection Measures***	***Capital Investment (Lacks)***
General lightning transformer for energy saving, Energy efficient motor replacement	Energy saving	6.0
Installation of clearsep filter to eliminate use of Nylon bags	Sustainable development for Hazardous waste reduction	16
Installation of air sparger for primary effluent collection pit	Improvement for waste water treatment	0.35

Part-I

Any other particulars for improving the quality of the environment.

Particulars

1. Number of trees survived as on 31st March 2023 -2200 (Total-7650 trees available at site) 2. Number of trees planted by September 23 - 200

Name & Designation

Mr Ganesh S. Landge

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000057433

Submitted On:

13-09-2023