



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000046858

### Submitted Date

23-09-2022

## PART A

### Company Information

#### Company Name

Pidilite Industries Limited

#### Application UAN number

Pidilite Industries Limited

#### Address

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

#### Plot no

Plot no A 21/1, A21/2, and A22/1

#### Taluka

Mahad

#### Village

Kamble turphe Birwadi

#### Capital Investment (In lakhs)

228.29

#### Scale

Large

#### City

Mahad

#### Pincode

402309

#### Person Name

Mr Manish M Vyas

#### Designation

Factory Manager

#### Telephone Number

02145232045

#### Fax Number

02145232048

#### Email

manish.vyas @pidilite.com

#### Region

SRO-Mahad

#### Industry Category

Red

#### Industry Type

other

#### Last Environmental statement submitted online

yes

#### Consent Number

Format 1.0/CAC/UAN No. MPCB-  
CONSENT-0000115245/CR-2112001526

#### Consent Issue Date

2021-12-27

#### Consent Valid Upto

2022-07-31

#### Establishment Year

1996

#### Date of last environment statement submitted

Sep 21 2021 12:00:00:000AM

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

### Product Information

#### Product Name

Polymer based on Vinyl Acetate Monomer , Acrylate Styrene, Ethylene Monomers and  
Adhesive based on PVA

#### Consent Quantity Actual Quantity UOM

41100 38965.921 MT/A

### By-product Information

#### By Product Name

NA

#### Consent Quantity

0

#### Actual Quantity

0

#### UOM

## Part-B (Water & Raw Material Consumption)

### 1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
	110.00	103.20
Cooling	132.00	114.00
Domestic	28.00	23.13
All others	40.00	4.81
Total	310.00	245.14

### 2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	51.5	28.38	CMD
Domestic Effluent	25	4.95	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	0.505	0.527	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	0.505	0.527	Ton/Ton
Monomers	0.42	0.43	Ton/Ton
catalyst & additives	0.085	0.053	Ton/Ton

### 4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	2919.97	1315.94	MT/A
FO	1277.5	13.15	MT/A
HSD	1822.08	47.59	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	Standard	Reason
	Quantity	Concentration	%variation		
pH	0	7.06	0	5.5 to 9.0	No variation
Oil & Grease	0.02	1	0	10	No variation
BOD	1.21	42.66	0	100	No variation
TDS	37.66	1327.25	0	2100	No variation
Suspended solids	0.205	7.25	0	100	No variation
COD	4.10	144.58	0	250	No variation

CLORIDES	12.58	443.58	0	600	No variation
Sulphate	8.49	299.33	0	1000	No variation
TAN	0.89	31.5	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	Standard	Reason
	Quantity	Concentration	%variation		
SO2-TFH/Steam generator	23.75	0	0	80	No variation
PM-TFH/Steam generator	0	109.175	0	150	No variation
SO2-DG STACK	0.58	0	0	315	No variation
PM-DG STACK	0	56.9	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	257	630	Ltr/A
5.2 Wastes or residues containing oil	0.00299	0.002	MT/A
23.1 Wastes or residues (not made with vegetable or animal materials)	96.8	147.34	MT/A
23.1 Wastes or residues (not made with vegetable or animal materials)	6.2	5.898	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4810	6647	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	36.52	35.44	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	31.075	56.76	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Coal Ash	68.86	71	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	655	Ltr/A	Sale to Authorized party/CHWTSDf
5.2 Wastes or residues containing oil	0.002	MT/A	CHWTSDf
23.1 Wastes or residues (not made with vegetable or animal materials)	165.51	MT/A	Sale to authorized party/pre processor/CHWTSDf
23.1 Wastes or residues (not made with vegetable or animal materials)	6.36	MT/A	Sale to authorized party/pre processor/CHWTSDf
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	6854	Nos./Y	Sale to Authorized party/ CHWTSDf
35.3 Chemical sludge from waste water treatment	39.7	MT/A	Sale to authorized party/pre processor/CHWTSDf

### 2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Coal/Fly ash	71	MT/A	Sale to cement /brick manufacturer
Waste paper, damaged pallets, Sweeping material	56.76	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	48.29	0	0	0	5.3	0
Solar power	0	0	0	858840	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)
Upgradation of Effluent treatment plant	Quality improvement of outlet treated effluent	56
Rain water harvesting from roof top of BSR 5	Reduction of fresh water consumption	8

### [B] Investment Proposed for next Year

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
Provision of 120 mesh ETON filters in R- 114 and R101.	Reduction of hazardous waste (Filter bags)	19.04
wash water recycle for Styrene Acrylate stream	Reduction in effluent discharge & haz waste generation	6
Energy efficient motor replacement	Reduction of natural resources	13.82

## Part-I

**Any other particulars for improving the quality of the environment.**

**Particulars**

1. Number of trees survived as on 31st March 2022 - 2100 2. Number of trees planted by September 2022- 100

**Name & Designation**

Mr. Manish M. Vyas

**UAN No:**

MPCB-ENVIRONMENT\_STATEMENT-0000046858

**Submitted On:**

23-09-2022