



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2021

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000036055

### Submitted Date

21-09-2021

## 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)

210.6876

#### 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.  
0000093023/CR-2009000192

#### Consent Issue Date

04/09/2020

#### Consent Valid Upto

31/07/2021

#### Establishment Year

1996

#### Date of last environment statement submitted

Sep 15 2020 12:00:00:000AM

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

### Product Information

#### Product Name

Vinyl Acetate Monomer

#### Consent Quantity Actual Quantity UOM

2703 0 MT/A

Allyl Alcohol

900 0

Isopropyl acetate

900 0

n-Propyl acetate

900 0

Di iso propyl ether

450 0

Isopropanol

450 0

Oxygen

593 0

Soft PVC film	8640	0	MT/A
Nitrogen	102	0	
Polymer based on Vinyl Acetate Monomer , Acrylate Styrene, Ethylene Monomers and Adhesive based on PVA	41100	35768.00	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 Process	Consent Quantity in m3/day	Actual Quantity in m3/day	
Cooling	317	76.877	
Domestic	549	75.6	
All others	28	21.42	
Total	40	11.44	
	934	185.33	

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	167.5	27.02	CMD
Domestic Effluent	25	13	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	0.51	0.505	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
Ethylene	0	0	Ton/Ton
Acetic acid for IPAC	0.0	0.0	Ton/Ton
Propylene for IPAC/IPA/DIPE	0.0	0.0	Ton/Ton
Oxygen	0	0	Ton/Ton
DOP	0.0	0	Ton/Ton
PVC resins	0.0	0	Ton/Ton
Caco3	0.0	0	Ton/Ton
Di basic phatahalate	0.0	0	Ton/Ton
lead stearate	0.0	0	Ton/Ton
Pigments	0.0	0	Ton/Ton
IPA for DIPE	0.0	0.0	Ton/Ton
DM water	0.51	0.505	Ton/Ton

Monomers	0.443	0.42	Ton/Ton
catalyst & additives	0.086	0.085	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	11648	1108.93	MT/A
FO	1274	50.972	MT/A
HSD	364	28.487	KL/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	7.61	0	5.5 to 9.0	No variation
Oil & Grease	0.03	1.15	0	10	No variation
BOD	0.755	29.14	0	100	No variation
TDS	32.41	1250	0	2100	No variation
Suspended solids	0.207	8.0	0	100	No variation
COD	2.63	102	0	250	No variation
CLORIDES	10.37	399	0	600	No variation
Sulphate	7.00	270	0	1000	No variation
TAN	0.32	12.72	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/Coal Fired Boiler Stack	19.6	0	0	320	No variation
TPM-TFH/Coal Fired Boiler Stack	0	92.43	0	150	No variation
SO2-DG STACK	0.68	0	0	1	No variation
TPM-DG STACK	0	60.6	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	200	257	Ltr/A
5.2 Wastes or residues containing oil	0	0.00299	Kg/Annum

23.1 Wastes or residues (not made with vegetable or animal materials)	125.04	96.8	MT/A
23.1 Wastes or residues (not made with vegetable or animal materials)	6.64	6.2	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4838	4810	Nos./Y
1.2 Tarry residues and still bottoms from distillation	0	0	MT/A

## 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	34.66	36.52	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	39	31.075	MT/A

## 2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Coal Ash	67	68.86	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
1.2 Tarry residues and still bottoms from distillation	0	MT/A	-
5.1 Used or spent oil	257	Ltr/A	Sale to Authorized party/ Recycler/ CHWTSDF
5.2 Wastes or residues containing oil	0.00299	Kg/Annum	CHWTSDF
23.1 Wastes or residues (not made with vegetable or animal materials)	96.8	MT/A	Sale to authorized party/pre processor/coprocessor/CHWTSDF
23.1 Wastes or residues (not made with vegetable or animal materials)	6.2	MT/A	Sale to authorized party/pre processor/coprocessor/CHWTSDF
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4810	Nos./Y	Sale to Authorized party/ Recycler/ CHWTSDF
35.3 Chemical sludge from waste water treatment	36.52	MT/A	Sale to authorized party/pre processor/coprocessor/CHWTSDF

## 2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Coal ash	68.86	MT/A	Sale to cement /brick manufacturer
Waste paper, damaged pallets, Sweeping material	31.075	MT/A	sale

## 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	27.26	0	0	0	0	0
Solar power	0	0	0	1000590	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)
Provision of standby Rotary vacuum dryer	Reduction of hazardous waste	18
Procurement of MBR UF membrane	For efficient effluent treatment	7
Reuse of HP water of reactors for HP cleaning	Reduction of fresh water consumption	0.3
Installation of mono block pumps for raw effluent transfer	For efficient effluent treatment	1
Installation of coarse and fine filters	Reduction of hazardous waste	16.9

#### [B] Investment Proposed for next Year

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

## Part-I

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

#### Particulars

1. Number of trees survived as on 31st March 2021 - 1923 2. Number of trees planted by September 2021-350

#### Name & Designation

Mr. Manish M. Vyas

#### UAN No:

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#### Submitted On:

21-09-2021