



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

Environmental Audit Report for the financial Year ending the 31st March 2018

### Company Information

**Company Name**

Pidilite Industries Limited

**Application UAN number**

NA

**Address**

A-22/1 MIDC Mahad, Mahad, Raigad

**Plot no**

A-22/1

**Taluka**

Mahad

**Village**

Mahad

**Capital Investment (In lakhs)**

6509.88

**Scale**

L.S.I

**City**

Mahad

**Pincode**

402309

**Person Name**

R K Kaushal

**Designation**

Unit Head

**Telephone Number**

02145-232043

**Fax Number**

02145-231264

**Email**

rkaushal@pidilite.com

**Region**

SRO-Mahad

**Industry Category**

Red

**Industry Type**

other

**Last Environmental statement submitted online**

yes

**Consent Number**

Format 1.0/BO/AS(T)/UAN No. 0000016411/O & A/CC-1703001270 & 1.0/BO/AS(T)/UAN No. 0000016411/CC Cell/A/CC-0334

**Consent Issue Date**

20.03.2017 & 20.05.2017

**Consent Valid Upto**

31.01.2021

### Product Information

**Product Name**

Polymer based on VAM, Acrylate, Styrene, Ethylene Monomers & adhesive based in PVA

**Consent Quantity**

41100

**Actual Quantity**

39764.01

**UOM**

MT/A

### By-product Information

**By Product Name**

Nil

**Consent Quantity**

0

**Actual Quantity**

0

**UOM**

### 1) Water Consumption in m3/day

**Water Consumption for Process****Consent Quantity in m3/day**

110

**Actual Quantity in m3/day**

90.65

**Cooling**

82

50.8

**Domestic**

10

7.67

**All others**

0

0

**Total**

202

149.12

### 1) Effluent Generation in CMD / MLD

**Particulars**

Daily quantity of trade effluent from factory

**Consent Quantity**

42.5

**Actual Quantity**

25.42

**UOM**

CMD

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

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Polymer based on VAM, Acrylate, Styrene monomers & adhesive based on PVA	0.87	0.832	Ton/Ton

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

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Monomer & solvents	0.445	0.443	Ton/Ton
Plastisizer	0.029	0.028	Ton/Ton
Surfactants & other chemicals	0.030	0.030	Ton/Ton

**4) Fuel Consumption**

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Coal	0	0	MT/A

**Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)****[A] Water**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
pH	0	7.03	0	5.5 to 9.0	No variation
Suspended solids	0.25	10	0	100	No variation
BOD 3 Days	0.15	06	0	100	No variation
Total Dissolved Solids	2.97	117	0	2100	No variation
COD	0.44	18	0	250	No variation
Oil and Grease	0.1	04	0	10	No variation
Chloride	0.44	18	0	600	No variation
Sulphate	0.22	09	0	1000	No variation

**[B] Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
NA	0	0	0	0	NA

**HAZARDOUS WASTES****1) From Process**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used /spent oil	0.385	0.170	KL/A
5.2 Wastes/residue containing oil	0	0	KL/A
23.1 Wastes/residues (not made with vegetable or animal mate	82.45	73.68	MT/A
33.3 Discarded containers / barrels / liner	1808	1625	Nos./Y

33.3 Discarded containers / barrels / liner 3500 3483 Nos./Y

**2) From Pollution Control Facilities**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
34.3 Chemical sludge from waste water treatment	26.73	36.29	MT/A

**SOLID WASTES**

**1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Waste Paper, Damage pallet, Sweeping Material	0	03.85	MT/A

**2) From Pollution Control Facilities**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Nil	0	0	Kg
Nil	0	0	Kg

**3) Quantity Recycled or Re-utilized within the unit**

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
0	0	0	Kg
0	0	0	Kg

**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**

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
5.1 Used /spent oil	0.170	KL/A	Oily liquid sale to authorised reprocessor
5.2 Wastes/residue containing oil	0	Kg/Annum	Oily residue sale to authorised reprocessor
33.3 Discarded containers / barrels / liner	1625	Nos./Y	Solid containers/liners sale to authorized re-processor
34.3 Chemical sludge from waste water treatment	36.29	MT/A	Sludge from ETP sent to MWML for incineration
23.1 Wastes/residues (not made with vegetable or animal mate	73.68	MT/A	Solid polymer waste residues sent to MWML for incineration
33.3 Discarded containers / barrels / liner	3483	Nos./Y	Discarded barrels/liners used for HW/chemical sale to authorised re-processor

**2) Solid Waste**

<b>Type of Solid Waste Generated</b>	<b>Qty of Solid Waste</b>	<b>UOM</b>	<b>Concentration of Solid Waste</b>
Waste paper, wooden waste ,sweeping material	03.85	MT/A	wooden pallet , waste paper sale to vendor

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

<b>Description</b>	<b>Reduction in Water Consumption (M3/day)</b>	<b>Reduction in Fuel &amp; Solvent Consumption (KL/day)</b>	<b>Reduction in Raw Material (Kg)</b>	<b>Reduction in Power Consumption (KWH)</b>	<b>Capital Investment(in Lacs)</b>	<b>Reduction in Maintenance(in Lacs)</b>
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Rain water harvesting	48.2	0	0	0	0.25	0
Solar panel installation	0	0	0	27150	15	0

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

**[A] Investment made during the period of Environmental Statement**

<b><i>Detail of measures for Environmental Protection</i></b>	<b><i>Environmental Protection Measures</i></b>	<b><i>Capital Investment (Lacks)</i></b>
Permanent shed over ETP	To eliminate dust, rain water, contamination with effluent	3
Installation of dryer for drying of ETP sludge	Safe Handling and ease of operation	25

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

<b><i>Detail of measures for Environmental Protection</i></b>	<b><i>Environmental Protection Measures</i></b>	<b><i>Capital Investment (Lacks)</i></b>
Nil	Nil	0

**Any other particulars in respect of environmental protection and abatement of pollution.**

**Particulars**

Tree plantation done on 5th June 2017 and planted 192 plants of various species and more 1000 numbers of tree planted in July 2017, reduction of effluent by reducing high pressure cleaning, caustic boil-outs, wash water recycles etc.

**Name & Designation**

R K Kaushal, Unit head