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***<br>Pidilite Industries Ltd | ***Application UAN number***<br>NOT RECD | |
| ***Address***<br>MIDC Mahad | | |
| ***Plot no***<br>C - 58 | ***Taluka***<br>Mahad | ***Village***<br>MIDC area |
| ***Capital Investment (In lakhs)***<br>19.07 | ***Scale***<br>MSI | ***City***<br>Mahad |
| ***Pincode***<br>402309 | ***Person Name***<br>B. T. Latthe | ***Designation***<br>Factory Manager |
| ***Telephone Number***<br>9423893250 | ***Fax Number***<br>774005241 | ***Email***<br>latthebt@pidilite.com |
| ***Region***<br>SRO-Mahad | ***Industry Category***<br>Red | ***Industry Type***<br>O75 Synthetic resins |
| ***Last Environmental statement submitted online***<br>yes | ***Consent Number***<br>1.0/BO/AST/UAN NO. 0000028210/O/CC-1710000670 | ***Consent Issue Date***<br>17.10.2017 |
| ***Consent Valid Upto***<br>30/09/2020 | | |

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| polymer of vinyl acetate and poly vinyl alcohol and additive based on vinyl acetate and polyvinyl | 30000 | 17964 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| NA | NA | NA | MT/A |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 85 | 30 |
| ***Cooling*** | 43 | 15 |
| ***Domestic*** | 4 | 2.9 |
| ***All others*** | 9 | 0 |
| ***Total*** | 141 | 48 |

### *1) Effluent Generation in CMD / MLD*

| ***Particulars*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Trade effluent | 3.5 | 2 | CMD |

| | | | |
|---|---|---|---|
| Sewage effluent | 2 | 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 of vinyl acetate and poly vinyl alcohol and additive based on vinyl acetate and polyvinyl | 6123 | 10853 | MT/A |

### 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 |
|---|---|---|---|
| VINYL ACETATE- MONOMER | 5253 | 7933 | MT/A |
| POLY VINYL ACETATE | 568 | 921 | MT/A |
| CATAYALYST | 4 | 11.8 | MT/A |
| ACTIVATOR | 0.26 | 0.52 | MT/A |
| SURFACTANTS | 3 | 13 | MT/A |
| DMW | 6123 | 10853 | MT/A |
| PLASTISISER | 50 | 0 | MT/A |
| EMULSIFIER | 25 | 14 | MT/A |
| PRESERVATIVES | 9 | 10 | MT/A |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| FO | 255500 | 121620 | Ltr/A |
| HSD | 7300 | 2227 | Ltr/A |

### 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 | 8.05 | 0 | 5.5-9 | OK |
| Suspended solid | 0 | <10 | 0 | 100 | OK |
| BOD 3 days | 0 | <5 | 0 | 30 | OK |
| COD | 0 | 12 | 0 | 250 | OK |
| Oil and Grease | 0 | <4 | 0 | 10 | OK |
| TDS | 0 | 188 | 0 | 2100 | OK |
| Sulphate | 0 | 25 | 0 | 1000 | OK |
| Chlorides | 0 | 34 | 0 | 600 | OK |

#### [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 |
| TPM | 0 | 99 | 0 | 150 | OK |
| SO2 | 0 | 15.7 | 0 | 63 | OK |

| | | | | | |
|---|---|---|---|---|---|
| NOx | 0 | 36.9 | 0 | 80 | OK |
| CO | 0 | 119 | 0 | NS | OK |

## HAZARDOUS WASTES

### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used /spent oil | 0.05 | 0.0 | KL/A |
| 23.1 Wastes/residues (not made with vegetable or animal mate | 7.85 | 13.17 | MT/A |
| 33.3 Discarded containers / barrels / liner | 2125 | 2381 | Nos./Y |

### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 34.3 Chemical sludge from waste water treatment | 0 | 0 | MT/A |

## SOLID WASTES

### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| PAPER BAGS | 4.170 | 4.25 | MT/A |
| CARBOYS | 24 | 24 | Nos./Y |
| Paper Cloth | 94 | 96 | Kg/Annum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | 0 | 0 | Kg/Annum |

### 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/Annum |

### 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 /spent oil | 0 | Ltr/A | oily - sell to authorized recyclier |
| 23.1 Wastes/residues (not made with vegetable or animal mate | 13.17 | MT/A | solid - disposed to MWML for incineration |
| 33.3 Discarded containers / barrels / liner | 2381 | Nos./Y | solid ,disposed to MPCB authorized party |

#### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| PAPER BAGS | 4.25 | MT/A | Solid - |
| carboys | 24 | Nos./Y | solid - |
| paper cloth | 96 | Kg/Annum | solid - |

### 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) |
|---|---|---|---|---|---|---|
| NA | 0 | 0 | 0 | 0 | 0 | 0 |

## 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) |
|---|---|---|
| Heat recovery condenser for DMW heating | To reduce FO consumption | 20.0 |
| Addition of artic master to chilling plant | To reduce Energy consumption | 2.0 |
| Installation of cathodic protection | To reduce erosion of VAM tank | 5.0 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Boiler chimney replacement | Proper and safe venting of stack gas | 8.0 |
| Internal road development | To eliminate dust pollution | 35 |

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

### Particulars

NA

### Name & Designation

Balsaheb Tatoba Latthe - Factory Manager