



# 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-0000033074

### Submitted Date

05-07-2021

## PART A

### Company Information

#### Company Name

Polygenta Technologies Ltd.

#### Application UAN number

MPCB-CONSENT-0000010038

#### Address

Gat.No.265/1, 266; Village - Avankhed, Tal.- Dindori,  
Dist.- Nashik

#### Plot no

Gat No. 265/1-266

#### Taluka

Dindori

#### Village

Avankhed

#### Capital Investment (In lakhs)

29572.60

#### Scale

M.S.I

#### City

Nashik

#### Pincode

422201

#### Person Name

Dhanvant Yeola

#### Designation

Executive Director (Technical)

#### Telephone Number

02557228125

#### Fax Number

02557228156

#### Email

dyeola@polygenta.com

#### Region

SRO-Nashik

#### Industry Category

Red

#### Industry Type

R47 Synthetic fibers including rayon ,tyre cord,  
polyester filament yarn

#### Last Environmental statement submitted online

yes

#### Consent Number

MPCB-CONSENT-0000010038

#### Consent Issue Date

03.03.2017

#### Consent Valid Upto

31.07.2021

#### Establishment Year

2008

#### Date of last environment statement submitted

Jan 22 2021 12:00:00:000AM

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

-

### Product Information

#### Product Name

PET Chips, POY, DTY, FDY

#### Consent Quantity

36000

#### Actual Quantity

9991.04

#### UOM

MT/A

### By-product Information

#### By Product Name

NA

#### Consent Quantity

-

#### Actual Quantity

-

#### UOM

MT/A

## 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	104	40
Domestic	293	100
All others	27	20
Total	12	7
	436	167

### 2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	106	27.47	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
Synthetic Fibres (rayon, tyre cord, polyester, filament yarn)	Its not possible to separate out due to denier	Its not possible to separate out due to denier	CMD

### 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
Mono Ethylene Glycol	0.039	0.039	MT/A
Partially Oriented Yarn	1.000	1.022	MT/A
PET Scrap Bottles and Flakes	1.040	1.035	MT/A

### 4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Furnace Oil	610 KL/M	1827.28	MT/A
HSD	600 LPH	2.33	Ltr/Hr

## 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		
Effluent pH	27.47	7.37	-	-	-
BOD	27.47	18.8	-	-	-
COD	27.47	57.9	-	-	-
Suspended solids	27.47	19	-	-	-
TDS	27.47	1044	-	-	-
Sulphate	27.47	109.7	-	-	-
Chlorides	27.47	364	-	-	-

#### [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>		
SO2	7.65	-	-	-	-
SPM	-	62	-	-	-

## Part-D

### **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>
1.4 Organic residues	0.372	0.368	MT/A
5.1 Used or spent oil	2.473	2.130	MT/A
5.2 Wastes or residues containing oil	0.509	0.539	MT/A
28.3 Spent carbon	2.358	1.660	MT/A

#### **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>
35.3 Chemical sludge from waste water treatment	15.631	17.12	MT/A

## Part-E

### **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>
Polyethylene and Polypropylene caps and rings	2.910	19.93	MT/A
Waste yarn, paper tube and packing	183.77	310.22	MT/A
HDPE/PE Lined bags	21128	22659	Nos./Y

#### **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>
NA	-	-	MT/A

#### **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	-	-	MT/A

## 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**

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
1.4 Organic residues	0.368	MT/A	-
5.1 Used or spent oil	2.130	MT/A	-
5.2 Wastes or residues containing oil	0.539	MT/A	-

35.3 Chemical sludge from waste water treatment	17.12	MT/A	-
28.3 Spent carbon	1.660	MT/A	-

## 2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Polyethylene and Polypropylene caps and rings	19.93	MT/A	-
Waste yarn, paper tube and packing	310.22	MT/A	-
HDPE/PP/Lined bags	22659	Nos./Y	-

## 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)
Rerating of equipments & installation of LED's	-	-	-	1200	2.50	-

## 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)
Water Pollution	Operation & Maintenance Cost	27
Air Pollution	Repairs & Maintenance	5
Hazardous waste management	Disposal Cost	2.2
Green Belt Development & Other	Gardening & Maintenance	5

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

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Water Pollution	Repair, maintenance & Operation	7
Air Pollution	Repair, maintenance & Operation	7

## Part-I

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

#### Particulars

Reduction in electric power consumption

#### Name & Designation

Dhanvant Yeola, Chief Technical Officer

#### UAN No:

MPCB-ENVIRONMENT\_STATEMENT-0000033074

#### Submitted On:

05-07-2021