



# 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-0000037674

### Submitted Date

28-09-2021

## PART A

### Company Information

#### Company Name

Birla Carbon India Pvt. Ltd.

#### Application UAN number

Format1.0/CAC/UAN No.  
0000087763/CR-2007000014

#### Address

Village-Lohop/Talvali

#### Plot no

Lohop

#### Taluka

Khalapur

#### Village

Talvali

#### Capital Investment (In lakhs)

33391.86

#### Scale

Large

#### City

Raigad

#### Pincode

410207

#### Person Name

Hanuman Gupta

#### Designation

Factory Manager

#### Telephone Number

9795458025

#### Fax Number

#### Email

hanuman.gupta@adityabirla.com

#### Region

SRO-Raigad I

#### Industry Category

Red

#### Industry Type

R6 Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black

#### Last Environmental statement submitted online

yes

#### Consent Number

Format1.0/CAC/UAN No.  
0000087763/CR-2007000014

#### Consent Issue Date

01/07/2020

#### Consent Valid Upto

31/03/2021

#### Establishment Year

2010

#### Date of last environment statement submitted

Sep 24 2020 12:00:00:00AM

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

### Product Information

#### Product Name

Carbon Black

#### Consent Quantity

84000

#### Actual Quantity

61360

#### UOM

MT/A

### By-product Information

#### By Product Name

Electricity

#### Consent Quantity

201480

#### Actual Quantity

91792

#### UOM

Mwh

## 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	4610	1425.00
Domestic	80	79.00
All others	350	118.00
<b>Total</b>	<b>5040</b>	<b>1622.00</b>

### 2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	396.2	113	CMD
Sewage Effluent	70	15	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
Carbon Black	12.18	11.9	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
CBFS	1.7477	1.73141	Ton/Ton
KNO3	0.000091	0.000078	Ton/Ton
Molasses	0.010277	0.004507	Ton/Ton

### 4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LDO	180.93	17163.082	KL/A
HSD	10.08	6.44	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	Standard	Reason
TSS	3.42	36	-	-	Within Consent Limit
TDS	20.9	207	-	-	Within Consent Limit
COD	5.2	54	-	-	Within Consent Limit
BOD	2	21	-	-	Within Consent Limit
Oil and Grease	0	0	-	-	Within Consent Limit
Chlorides	7.6	80	-	-	Within Consent Limit
Sulphates	3.2	33	-	-	Within Consent Limit

## **[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>		
Stack S-1 (Boiler) TPM	82.6	50.8	-	-	Within Consent Limit
Stack S-1 (Boiler) SO2	1800	292.7	-	-	Within Consent Limit
Stack S-2 (Dryer) TPM	20.2	49.5	-	-	Within Consent Limit
Stack S-2 (Dryer) SO2	12	11.26	-	-	Within Consent Limit
Stack S-3 (DG 1825 KVA) TPM	1.5	50.4	-	-	Within Consent Limit
Stack S-3 (DG 1825 KVA) SO2	0.02	0.4	-	-	Within Consent Limit
Stack S-4 (Fire Hydrant Pump) TPM	0.38	35	-	-	Within Consent Limit
Stack S-4 (Fire Hydrant Pump) SO2	0.16	1.88	-	-	Within Consent Limit
Stack S-5 (Flare) TPM	3.65	50.9	-	-	Within Consent Limit
Stack S-5 (Flare) SO2	0.68	2.2	-	-	Within Consent Limit

## **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>
5.1 Used or spent oil	0.8	1	KL/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	36	48	Nos./Y
Other Hazardous Waste	16.234	16.66	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	9.69	3.21	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>
Food waste	1850	1500	Kg/Annum
Refractory	47	4.52	MT/A
HDPE Bags	3106	6318	Kg/Annum
Empty Jute Bags	290	0	Kg/Annum
Wooden Scrap	6695	15249	Kg/Annum
Metal Scrap	11086	15130	Kg/Annum
DM Plant Resin	0	0	MT/A

## 2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	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	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

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	1	KL/A	-
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	48	Nos./Y	-
35.3 Chemical sludge from waste water treatment	3.21	MT/A	-
Other Hazardous Waste	16.66	MT/A	-

### 2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Food waste	1500	Kg/Annum	-
Refractory	4.52	MT/A	-
HDPE Bag	6318	Kg/Annum	-
Empty Jute bags	0	Kg/Annum	-
Wooden Scrap	15249	Kg/Annum	-
Metal Scrap	15560	Kg/Annum	-
DM Plant Resin	0	MT/A	-

## 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)
Replacement of Canteen food waste convertor	0	0	0	0	7.25	1
STP Automation	5	0	0	0	2	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**

Replacement of Canteen food waste convertor  
STP Automation

**Environmental Protection Measures**

Waste Disposal  
Water Recovery

**Capital Investment (Lacks)**

7.25  
2

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

**Detail of measures for Environmental Protection**

-

**Environmental Protection Measures**

-

**Capital Investment (Lacks)**

0

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**Part-I**

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

**Particulars**

Binuraj K B

**Name & Designation**

Assistant Manager - Safety and Environment

**UAN No:**

MPCB-ENVIRONMENT\_STATEMENT-0000037674

**Submitted On:**

28-09-2021