



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

Environmental Audit Report for the financial Year ending the 31st March 2017

### Company Information

**Company Name**

SKI Carbon Black (I) Pvt. Ltd.

**Application UAN number**

BO/CAC-Cell/EIC No  
RD-3003-15,RD-3078-15/6thCAC-11662

**Address**

Village: Lohop/Talavali

**Plot no**

Lohop

**Taluka**

Khalapur

**Village**

Lohop/Talavali

**Capital Investment (In lakhs)**

29000

**Scale**

Large

**City**

Raigad

**Pincode**

410220

**Person Name**

PARAG BANE

**Designation**

Manager- Safety & Environment

**Telephone Number**

02192202077

**Fax Number**

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**Email**

parag.bane@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**

no

**Consent Number**

BO/CAC-Cell/EIC No  
RD-3003-15,RD-3078-15/6thCAC-11662

**Consent Issue Date**

03.09.2015

**Consent Valid Upto**

30.03.2020

### Product Information

**Product Name**

Carbon Black

**Consent Quantity**

84000

**Actual Quantity**

64197.836

**UOM**

MT/A

### By-product Information

**By Product Name**

Electricity co generation

**Consent Quantity**

210240

**Actual Quantity**

110025.3

**UOM**

Mwh

### 1) Water Consumption in m3/day

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

0

**Actual Quantity in m3/day**

0

**Cooling**

4655

2067

**Domestic**

35

74

**All others**

350

87

**Total**

5040

2228

### 1) Effluent Generation in CMD / MLD

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Daily quantity of trade effluent	396.2	250	CMD
Daily quantity of sewage effluent	43.2	40	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>
Carbon Black	13.16	12.26	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>
CBFS	2.019	2.016	MT/A
KNO3	0.0003	0.0002	MT/A
Molasses	0.0015	0.0146	MT/A

**4) Fuel Consumption**

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
LDO	22995	224.07	Ton/Y
HSD	3942	20.968	KL/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>		
TSS	0.613	4.067	-	-	Within consent limit
COD	3.219	20.81	-	-	Within consent limit
BOD	0.818	4.6	-	-	Within consent limit
Oil & Grease	0	0	-	-	Within consent limit
Sulphates	2.886	18.10	-	-	Within consent limit
Chlorides	11.37	70.89	-	-	Within consent limit
TDS	33.122	212.5	-	-	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>		
Dryer Stack TPM	13.37	28.20	-	-	Within consent limit
Dryer Stack SO2	13.29	29.50	-	-	Within consent limit
Boiler Stack TPM	142.9	35.7	-	-	Within consent limit
Boiler Stack SO2	1866.3	444.8	-	-	Within consent limit
DG Stack TPM	0.68	35.2	-	-	Within consent limit
DG Stack SO2	1.4	77	-	-	Within consent limit

## **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	3.75	KL/A
33.3 Discarded containers / barrels / liner	9	64	Nos./Y
33.3 Discarded containers / barrels / liner	3556	1215	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	16.79	22.04	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>
HDPE Bags	14523	1723	Kg/Annum
Wooden Scrap	57345	56890	Kg/Annum
MS Scrap	59233	56731	Kg/Annum

### **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	-	-	Kg/Annum

### **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	-	-	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**

<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	3.75	KL/A	Nil
33.3 Discarded containers / barrels / liner	64	Nos./Y	Nil
33.3 Discarded containers / barrels / liner	1215	Nos./Y	Nil
34.3 Chemical sludge from waste water treatment	22.04	MT/A	Nil

### **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>
HDPE Bags	1723	Kg/Annum	Nil
Wooden scrap	56890	Kg/Annum	Nil
MS Scrap	56731	Kg/Annum	Nil

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

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

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Noise reduction	Steam trap diffuser installed	3
Noise reduction	DG & PAB Acoustic enclosure installed	20
Emission control	Wet floor cleaning machine used for housekeeping	7
Water conservation	Rain water harvesting installed	25
Sludge removal	Sludge drying beds installed	30

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

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
STP upgradation	Ozonator installation	15
ETP upgradation	Intermediate tank for ETP	7

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

**Particulars**

SKI Carbon Black (I) Pvt. Ltd.

**Name & Designation**

PARAG BANE, Manager- Safety & Environment