



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

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/Talvali

Plot no

Lohop

Taluka

Khalapur

Village

Lohop/Talvali

Capital Investment (In lakhs)

316

Scale

Large

City

Raigad

Pincode

410207

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

yes

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

67817

UOM

MT/A

By-product Information

By Product Name

Electricity co generation

Consent Quantity

210240

Actual Quantity

116333

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

1977

Domestic

35

69

All others

350

214

Total

5040

2260

1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|--------------------|-------------------------|------------------------|------------|
| Trade Effluent | 396.2 | 247 | CMD |
| Sewage Effluent | 43.2 | 41 | 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 | 12.26 | 12.76 | 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 | 2.016 | 2.047 | MT/A |
| KNO3 | 0.0002 | 0.0002 | MT/A |
| Molasses | 0.0146 | 0.0127 | MT/A |

4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|------------------|-------------------------|------------------------|------------|
| LDO | 22995 | 248.061 | KL/A |
| HSD | 3942 | 18.230 | KL/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 | Standard | Reason |
|--------------------------|---|---|---|-----------------|----------------------|
| | Quantity | Concentration | %variation | | |
| TSS | 0.621 | 4.01 | - | - | Within consent limit |
| COD | 3.118 | 19.97 | - | - | Within consent limit |
| BOD | 0.913 | 4.7 | - | - | Within consent limit |
| Oil & Grease | 0.00 | 0.00 | - | - | Within consent limit |
| Sulphates | 2.98 | 19.07 | - | - | Within consent limit |
| Chlorides | 11.43 | 68.30 | - | - | Within consent limit |
| TDS | 34.21 | 213.7 | - | - | Within consent limit |
| pH | - | 7.170 | - | - | Within consent limit |

[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 | Standard | Reason |
|--------------------------|---|---|---|-----------------|------------------------|
| | Quantity | Concentration | %variation | | |
| Stack S-1 (Dryer) TPM | 13.20 | 28.21 | - | - | Within consented limit |
| Stack S-1 (Dryer) SO2 | 13.79 | 29.67 | - | - | Within consented limit |
| Stack S-2 (Boiler) TPM | 57.39 | 10.12 | - | - | Within consented limit |

| | | | | | |
|------------------------|------|-------|---|---|------------------------|
| Stack S-2 (Boiler) SO2 | 2010 | 447.9 | - | - | Within consented limit |
| Stack S-3 (DG) TPM | 0.71 | 33.21 | - | - | Within consented limit |
| Stack S-3 (DG) SO2 | 1.6 | 70 | - | - | Within consented limit |

HAZARDOUS WASTES

1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|--|------------|
| Other Hazardous Waste | 0 | 8.3 | MT/A |
| 33.3 Discarded containers / barrels / liner | 64 | 65 | 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 | 22.04 | 9.94 | MT/A |

SOLID WASTES

1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---------------------------------|---|--|------------|
| HDPE Bags | 1723 | 3050 | Kg/Annum |
| Wooden Scrap | 56890 | 57111 | Kg/Annum |
| Metal Scrap | 56731 | 59321 | Kg/Annum |

2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---------------------------------|---|--|------------|
| Nil | - | - | 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 | - | - | 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 |
|---|-------------------------------|------------|---|
| 34.3 Chemical sludge from waste water treatment | 9.94 | MT/A | - |
| Other Hazardous Waste | 8.3 | MT/A | - |
| 33.3 Discarded containers / barrels / liner | 65 | Nos./Y | - |

2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|--------------------------------------|---------------------------|------------|-------------------------------------|
| HDPE Bags | 3050 | Kg/Annum | - |
| Wooden scrap | 57111 | Kg/Annum | - |
| Metal Scrap | 59321 | Kg/Annum | - |

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) |
|--------------------|--|---|---------------------------------------|---|------------------------------------|--|
| - | - | - | - | - | - | - |

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) |
|--|--|-----------------------------------|
| Noise reduction | Accoustic enclosure installed | 15 |
| Emission control | Wet floor cleaning machine procured | 10 |
| Emission control | Online onitoring system installed | 10 |

[B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|--|--|-----------------------------------|
| STP Upgradation | Ozonator installation | 10 |

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

Particulars

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Name & Designation

PARAG BANE, Manager- Safety & Environment