



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

Environmental Audit Report for the financial Year ending the 31st March 2018

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000013796

### Submitted Date

29-09-2018

### Company Information

#### Company Name

Kalyani Carpenter Special Steels Pvt. Ltd

#### Application UAN number

00

#### Address

Sr. No.72 - 76, Mundhwa, Pune - 411036,  
Mundhwa, Pune - 411 036

#### Plot no

Sr. No.72 - 76, Mundhwa

#### Taluka

Haveli

#### Village

Mundhwa

#### Capital Investment (In lakhs)

17651

#### Scale

LSI

#### City

Pune

#### Pincode

411036

#### Person Name

Mr. V Balasubramanian

#### Designation

Chief Executive Officer

#### Telephone Number

020- 66215000

#### Fax Number

+912026824528

#### Email

dspatil1000@rediffmail.com

#### Region

SRO-Pune I

#### Industry Category

Red

#### Industry Type

R53 Iron & Steel (involving processing from ore/  
integrated steel plants) and or Sponge Iron  
units

#### Last Environmental statement submitted online

yes

#### Consent Number

Format 1.0/BO/CAC- Cell/ Auto  
Renewal/CAC- 0747

#### Consent Issue Date

27.07.2016

#### Consent Valid Upto

31.07.2021

### Product Information

#### Product Name

Finished product in the form of ingots and blooms of various sizes and grades

#### Consent Quantity Actual Quantity UOM

204000 MT/A 203000 MT/A MT/A

### By-product Information

#### By Product Name

NA

#### Consent Quantity

0

#### Actual Quantity

0

#### UOM

MT/A

### 1) Water Consumption in m3/day

#### Water Consumption for Process

#### Consent Quantity in m3/day

0

#### Actual Quantity in m3/day

0

#### Cooling

700

552.46

#### Domestic

100

94

#### All others

0

0

**Total** 800 646.46

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

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Domestic	80	70.0	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>
NA	0	0	CMD

**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>
Steel scrap	1211.9 Kg/MT	1268.71Kg/MT	
Ferrosilicon Lumps	8.56 Kg/MT	8.99Kg/MT	
Ferro Chrom	17.28 Kg/MT	17.11Kg/MT	
Ferro Titanium	0.131 Kg/MT	0.188Kg/MT	
Electrolytic Nickel	2.857 Kg/MT	3.89Kg/MT	
Ferromanganese	12.55 Kg/MT	15.07Kg/MT	
Silicon Manganese	2.984 Kg/MT	1.44Kg/MT	
AL Bars/stars/lumps /shorts	4.477 Kg/MT	4.11Kg/MT	
Ferro moly	1.353 Kg/MT	1.60Kg/MT	
Aluminium Wire	0.066 Kg/MT	0.04Kg/MT	
Sulphur Wire	0.284 Kg/MT	0.32Kg/MT	
Ferro Vanadium	0.430 Kg/MT	0.54Kg/MT	
Graphite electrodos	3.81 Kg/MT	4.12Kg/MT	
Lime	44.19 Kg/MT	45.89Kg/MT	
Dololime	50.55 Kg/MT	44.15Kg/MT	
Coke	7.14 Kg/MT	7.34Kg/MT	
Liquid Oxygen	69.74 m3/MT	68.77m3/MT	KL/A
Liquid Argon	2.09 m3/MT	2.24m3/MT	KL/A
Liquid Nitrogen	1.49 m3/MT	0.9519m3/MT	KL/A
Grease	0.0309 Kg/MT	0.048Kg/MT	MT/A
FO	67.15 Kg/MT	60.61Kg/MT	
Biodiesel	9.273 Ltr/MT	14.011 Ltr/MT	KL/A
HSD	0.653 Ltr/MT	0.7848 Ltr/MT	KL/A
LPG	0.406 Kg/MT	0.420Kg/MT	MT/A

**4) Fuel Consumption**

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
FO	33.76 KL/Year	32.36 KL/Year	KL/A
HSD	13 Lit/Hrs	18.18 Lit/Hrs	KL/A
Biodiesel	4.66 TPD	6.85 TPD	Ton/Ton

**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	2.376	30	40.60	50	NA
BOD	1.98	25	17.50	30	NA
COD	6.1776	78	22.78	100	NA

**[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>		
S-1 Boiler Stack (TPM)	0	56.3	62.47	150	NA
S-1 Boiler Stack (SO2)	18	0	99.44	3200	NA
Walking Beam Furnace (TPM)	0	45.6	69.60	150	NA
Walking Beam Furnace (SO2)	17	0	99.47	3200	NA
Annealing Furnace (TPM)	0	45	70.00	150	NA
Annealing Furnace (SO2)	18.5	0	99.42	3200	NA
Soaking Pit (TPM)	0	48.9	67.40	150	NA
Soaking Pit (SO2)	15.4	0	99.52	3200	NA
DG Set -2 (500 KVA) (TPM)	0	36.2	75.87	150	NA
DG Set -2 (500 KVA) (SO2)	3.45	0	85.63	24	NA
DG Set -3 (180 KVA) (TPM)	0	32.2	78.53	150	NA
DG Set -3 (180 KVA) (SO2)	1.28	0	86.67	9.6	NA
DG Set -4 (250 KVA)- BLCC New (TPM)	0	35	76.67	150	NA
DG Set -4 (250 KVA)- BLCC New (SO2)	2.45	0	85.42	9.6	NA
DG Set -5 (180 KVA)- BLCC (TPM)	0	34	77.33	150	NA
DG Set -5 (180 KVA)- BLCC (SO2)	1.40	0	85.42	9.6	NA

**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	23.730	14.38	KL/A
5.2 Wastes/residue containing oil	0.00	0.00	MT/A
33.Disposal of barrels / containers used for handling of hazardous wastes / chemical	1245	0.00	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>
0	0	0	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>
Metal Waste	8839	11458.71	MT/A
Grinding Dust	513	512.7	MT/A
Metal slag	34006	37038	MT/A
Debris	150	114.96	MT/A
Bricks	139	411.9	MT/A
Misc (packing Material Wood, Paper, Hard Board & Glass)	10.3	8.15	MT/A

### **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>
Process Dust	1732	2114.75	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>
Other Hazardous Waste	Metal Scale & Grinding - 9352	Metal Scale & Grinding - 11971.413	MT/A

**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	14.38	KL/A	NA
5.2 Wastes/residue containing oil	0.00	MT/A	NA
33.Disposal of barrels / containers used for handling of hazardous wastes / chemical	0.00	Nos./Y	NA

### **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>
Metal Waste	11458.713	MT/A	NA
Grinding Dust	512.7	MT/A	NA
Metal slag	37038	MT/A	NA
Debris	114.96	MT/A	NA
Bricks	411.9	MT/A	NA
Misc (packing Material Wood, Paper, Hard Board & Glass)	8.15	MT/A	NA

**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>
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**

The company allocated fund for STP Operation & maintenance, Power, Chemicals, Manpower, Safety and Environment

**Environmental Protection Measures**

The company allocated fund for STP Operation & maintenance, Power, Chemicals, Manpower, Safety and Environment

**Capital Investment (Lacks)**

679 Recurring cost(Operation and Maintenance of Pollution control Equipments)

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

**Detail of measures for Environmental Protection**

The company allocated fund for STP Operation & maintenance, Power, Chemicals, Manpower, Safety and Environment

**Environmental Protection Measures**

The company allocated fund for STP Operation & maintenance, Power, Chemicals, Manpower, Safety and Environment

**Capital Investment (Lacks)**

700 Recurring cost(Operation and Maintenance of Pollution control Equipments)

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

**Particulars**

Full fledged STP provided, treated water used on land for gardening within premises.

**Name & Designation**

Mr. V Balasubramanian, Chief Executive Officer