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Ref No.JCL/GM/20-21/KSPCB/Env.Aud Stat/ 6641/MARCH-2021. Dated 10th Aug 2021

By Speed Post EK 619086 44 IN 10/8/21 MOEF

Member Secretary  
Karnataka State Pollution control Board  
# 49 Parisara Bhavan,  
4<sup>th</sup> & 5<sup>th</sup> Floor, Church Street,  
Bangalore - 560 001.

**Through**

Environmental Officer,  
KSPCB,  
No.597, 1<sup>st</sup> cross,  
Near Vishnuvardhan Park,  
Kuvempu Nagar,  
Ballari - 583 104.

Respected Sir,


**Sub:** Environmental Audit Statement for the year 2020 -21 in respect M/s Janki Corp Ltd.(Steel Division), Sidiginamola Village, Ballari District, Karnataka.

We are herewith submitting Environmental Audit Statement of our Company in the prescribed Form-V, for the Financial Year ending 31<sup>st</sup> March 2021.

Kindly acknowledge receipt of the same.

Thanking You,

Yours faithfully  
For JANKI CORP LIMITED,

  
Narahari Gunapati  
General Manager

Copy to 1) Environmental Officer, KSPCB, Ballari  
2) MOEF, Regional Office, Bangalore



**FORM -V**  
(See rule 14)

**Environmental Statement for the financial year ending 31<sup>st</sup> March 2021**

**PART - A**

i) Name and address of the owner / Occupier	:	Mr Rahul Mittal Works: Sidiginamola - 583138, Ballari tq & dist., Karnataka Correspondence: 22/77, 2 <sup>nd</sup> Cross left, Kappagal Road, Ballari -583103.
ii) Industry category Primary (STC Code) Secondary (SIC Code)	:	Large Red
iii) Production capacity	:	Sponge Iron Plant: 180,000 TPA Captive Power Plant: 15 MW Iron Ore Beneficiation Plant: 600,000 TPA Pellet Plant: 600,000 TPA
iv) Year of establishment	:	2004

**Production:**

Product	Quantity Produced	
	2019-20	2020-21
Sponge Iron	201940.56 TONS	202046.78 TONS
Captive Power generation	84.41 Million Units	104.56 Million Units
Iron Ore Beneficiation	88824 Tons	13531.00 Tons
Pellet	377306 tons	416984.00 Tons



## PART - B

### WATER AND RAW MATERIAL CONSUMPTION:

#### Water consumption in kl / Day:

Name of the products	Process water consumption	
	During the previous financial year (2019 -20)	During the current financial year (2020 -21)
Sponge Iron Plant	Process: 3130 klpd	Process: 3000 klpd
Pellet Plant	Domestic: 80 klpd	Domestic: 90 klpd
Captive Power Plant	Gardening: 90 klpd	Gardening: 100 klpd
Iron Ore Beneficiation Plant	Total: 3300 klpd	Total: 3190 klpd

#### Raw Material Consumption: IN TONS

Sl.No	Raw material	2019-20	2020-21
1	Iron Ore/fines	614249.80 Tons	563294.00 Tons
2	Coal	213931.00 Tons	221347.00 Tons
3	Bentonite	3364 .00 Tons	4042.00 Tons
4	Lime stone	11500.00 Tons	12003.60 Tons
5	HSD & FO (KL)	1005.67 KL	868.90 KL

#### Raw Material Consumption per tonne of product:

Name of Unit	Name of raw materials*	Consumption of raw material per unit of Output	
		During the previous financial year (2019 -20)	During the current financial year (2020 -21)
Sponge Iron	Iron Ore	1.78	1.76
	Iron Ore Pellet	1.5	1.43
	Coal	0.92	0.87
	Limestone	0.04	0.04
Captive Power Plant		Waste gas from Sponge Iron units and two other raw materials i.e coal and dolochar are used. Hence it is not practicable to arrive at consumption of raw material per unit of output.	Waste gas from Sponge Iron units and two other raw materials i.e. , coal and dolochar are used. Hence it is not practicable to arrive at consumption of raw material per unit of output.
Pellet	Iron Ore fines & beneficiated fines	1.12	1.21
	Bentonite	0.01	0.01
	Coal	0.08	0.11
Iron Ore Beneficiation	Iron Ore fines	2.23	2.10





### PART - C

**Pollution discharged to environment per unit of output Parameters as specified in the consent issued**

#### WATER POLLUTION:

Source of pollution	Pollutants	Quantity of pollutants discharged (Kg/day)	Concentration of pollutants discharges (Mass/volume)	Percentage of variation from prescribed standards with reasons
	Zero Effluent Discharge Unit			

### PART - D

#### AIR POLLUTION:

Source of pollution	Pollutants	Quantity of pollutants discharged (Kg/day)	Concentration of pollutants discharges (Mass/volume)	Percentage of variation from prescribed standards with reasons
Sponge Iron Unit Stacks Rotary Kiln -I & II Rotary Kiln -III & IV Rotary Kiln -V & VI	Particulate Matter		36.43 mg/Nm <sup>3</sup> 43.60mg/Nm <sup>3</sup> 47.73 mg/Nm <sup>3</sup>	Standard as per CFO 100 mg/Nm <sup>3</sup>
Power Plant Stack connected to FBC Boiler -47 TPH	Particulate Matter		46.22 mg/Nm <sup>3</sup>	Standard as per CFO 150 mg/Nm <sup>3</sup>
Pellet plant Stack connected to travelgrate rotary kiln & cooler	Particulate Matter		41.00 mg/Nm <sup>3</sup>	Standard as per CFO 50 mg/Nm <sup>3</sup>



**PART - E**

**SOLID WASTES:**

Solid Wastes	Total Quantity(Tonne)	Total Quantity(Tonne)
Ash	During previous Financial Year 2019-20	During Current Financial Year 2020 -21
Char coal and Coal dust Recycled or Reused	35,950 MT	51,828.00 MT
Char Coal and Dust Sold	5674.14 MT	4,513.34 MT
Fly ash Disposed	3,105.92 MT	25,199.06 MT

**SOLID WASTES MANAGEMENT:**

The following tabulation shows the byproducts being generated, their source and use :

Name of byproduct	Source	Use
Char	Sponge Iron Production	As fuel for Power Plant
Accretion	Sponge Iron Production	To be beneficiated and used as source of Iron Ore for Pellet production and for internal road making.
Fly Ash	Power generation	For Brick manufacturing and as land fill.

**PART - F**

**HAZARDOUS WASTES:**

(As specified under hazardous wastes/management & handling rules 1989)

Hazardous waste	Total quantity ( Ltrs )	
Waste oil	During the previous financial year 2019-20	During the current financial year 2020-21
From process	Nil	Nil
From pollution control facilities	Nil	Nil
DG Sets & Machineries	22,000 Ltrs.	21,000 Ltrs.

**PART - G**

Please specify the characterization (in terms of composition & quantum) of hazardous as well as solid wastes indicate disposal practice adopted for both these categories of wastes:

The domestic waste water generated from the industry is treated in STP and reused for gardening or for sprinkling on the roads. There is a **120 KLD** Effluent Treatment Plant from which also the treated waste water is recycled, reused for gardening and sprinkling on the roads.

Waste oil is the only hazardous waste which is generated in the industry from DG Sets and Gear boxes, amounting to about 21,000 LPA and the same is used internally by incineration in Pellet Plant's Travel Grate.





#### **PART - H**

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of the production.

The Industry is producing Fly ash bricks. To that extent it avoids excavation of earth by Red Brick manufacturing industry. It conserves environment and ecology.

The industry does not adversely impact the environment. The only natural resource consumed is water. The domestic waste water generated from the industry is treated in STP and reused for gardening or for sprinkling on the roads. There is a **120 KLD** Effluent Treatment Plant from which also the treated waste water is recycled, reused for gardening and sprinkling on the roads.

#### **PART - I**

Additional measures / investment proposal for environmental protection including abatement of pollution, prevention of pollution:

Environment protection and pollution controls have been the priority for the industry. Any suggestions or improvements made by the Pollution Control Board would be implemented.

#### **PART - I**

Any other particulars for improving the quality of the environment

The Industry has taken-up extensive green belt development program in the entire Plant area so that there remains no vacant or un-utilized land without a tree. Till March 2019 1,30,000 saplings have been planted. Area covered under greenbelt is **170.00** acres. (more than 39% of the project area).

Dolochar generated from sponge Iron units is completely utilized in FBC boiler thereby reducing use of coal.

Constant efforts are being made in making use of the updated technologies.

**for JANKI CORP LIMITED,**

  
**Sahari Gunapati,**  
**General Manager.**

