JCL
JANKI CORP LIMITED

Ref No.: JCL/ENV. AUDIT/KSPCB/6684/2022-23, dated 28 April 2023

The Member Secretary
Karnataka State Pollution Control Board
49 Parisara Bhavan,
4th & 5th Floor, Church Street,
Bengaluru - 560 001

– EK697592543IN

Through
The Environmental Officer
Karnataka State Pollution Control Board,
Dr. Vishnuvardhan Park, Kuvempu Nagar,
Ballari -583 104

Sub: Submission of Environmental Audit Statement for the year 2022–23

Respected Sir,

We are submitting herewith the Environmental Audit Statement of our Industry in the prescribed Form-V, for the Financial Year 2022-2023 for your kind information.

Kindly acknowledge receipt of the same.

Thanking you sir,

Yours sincerely,
For Janki Corp Limited

JANKI CORP. LTD. STEEL DIVISION BALLARI

Narahari Gunapati
General Manager

Encl.: Environmental Audit Statement Form V

Copy: 1) Environmental Officer, KSPCB, Ballari
2) MOEF&CC, Regional Office, Bangalore → EK697592557IN

28/4/23

Janki Corp Limited I Steel Division
Works: Sidiginamola, Bellary, Karnataka - 583138.
Correspondence: 17/95, Vishal Nagar, Anantapur Road, Bellary- 583102. Karnataka I **t** 91-8392-287704 I **f** 91-8392-261174 I **e** info@jcl.co.in
Registered Office : Mandpiya Choraha, Chittor Road, Bhilwara-311001, Rajasthan I www.jankicorp.com I CIN : U17118RJ1993PLC023549

ANNEXURE

ENVIRONMENTAL STATEMENT FORM-V
(See rule 14)

Environmental Statement for the financial year ending with 31st March

PART-A

i.	*Name and address of the owner/occupier of the industry*	Mr. Rahul Mittal Sy. No. 97, 225 Sidiginamola Village Bellary Taluk and District Karnataka- 583111.
ii.	*Industry category* *Primary-(STC Code)* *Secondary- (STC Code)* *operation or process.*	 Large Red
iii.	*Production category – Units.*	Sponge Iron Plant - 1,80,000 TPA Captive power plant - 15 MW Iron ore Beneficiation plant - 6,00,000 TPA Pellet plant - 6,00,000 TPA
iv.	*Year of establishment*	2004
v.	*Date of the last environmental statement submitted.*	27/06/2022

PART –B

Water and Raw Material Consumption:

i. Water consumption in m^3/d

Process : 1220

Cooling : 930

Domestic : 60

BALLARI ★ JANKI CORP. LTD. ★ STEEL DIVISION

Name of Products	Process water consumption per unit of products - KLD	
	During the previous financial year (2021-22)	During the current financial Year (2022-23)
1. Pellet	160 KLD	126 KLD
2. Sponge Iron	172 KLD	137 KLD
3. Power	688 KLD	545 KLD
4. Beneficiated Iron Ore	600 KLD	412 KLD

ii. Raw material consumption

Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year (2021-22)	During the current financial year (2022-23)
Iron Ore fines	Beneficiated Fines	1.82	1.61
Iron Ore fines & beneficiated fines	Pellet	1.14	1.1
Bentonite		0.01	0.007
Coal		0.08	0.07
Iron Ore	Sponge Iron	0.03	Nil
Iron Ore Pellet		1.81	1.43
Coal		1.10	1.02
Limestone		0.03	0.036
Waste Gas From Sponge Iron Dolochar	Captive Power	Waste gas from Sponge Iron units and Sponge Iron Plant Byproduct Dolochar are used as raw materials. Hence it is not practicable to arrive at consumption of raw material per unit of output.	Waste gas from Sponge Iron units and Sponge Iron Plant Byproduct Dolochar are used as raw materials. Hence it is not practicable to arrive at consumption of raw material per unit of output.

** Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.*

JANKI CORP. LTD. STEEL DIVISION BALLARI

PART-C

Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration ofPollutants discharged (mass/volume)	Percentage of variation from prescribed standards withreasons.
(a) Water	Zero Effluent Discharge Unit		
(b) Air			
Particulate Matter			
1) Rotary Kiln Stacks		29.0 mg/Nm^3	Standard 100 mg/Nm^3
2) Power Plant Stack		28.0 mg/Nm^3	Standard 100 mg/Nm^3
3) Pellet Plant Stack		31.0 mg/Nm^3	Standard 100 mg/Nm^3
Suspended Particulate Matter			
Fugitive Emission			
1. Raw material handling area		1150.8 µg/m^3	Standard 2000 µg/m^3
2. Crusher area		1190.0 µg/m^3	Standard 2000 µg/m^3
3. Cooler discharge area		1110.9 µg/m^3	Standard 2000 µg/m^3
4. Product processing area		1108.0 µg/m^3	Standard 2000 µg/m^3
5. Raw material feeding area		1130.5 µg/m^3	Standard 2000 µg/m^3
			Pollutants discharged are within the Norms specified by the CPCB

JANKI CORP. LTD. STEEL DIVISION BALLARI

PART-D

HAZARDOUS WASTES

(as specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year (2021-22)	During the current financial year (2022-23)
1. From Process		
a) Used Spent Oil (Machineries)	1,600 Lts	5,800 Lts
b) Wastes Residues Containing Oil	16,000 Kgs	14,000 Kgs
c) Empty barrels /containers contaminated with hazardous chemicals	-	300 kgs
d) Organic Residues	-	3000 MT
e) Exhaust Air or Gas cleaning residue	-	580 MT
f) Used Lead acid battery	-	2246 Kgs
2. From Pollution Control Facilities Used Spent Oil (DG Set)	400 Lts	500 Lts

JANKI CORP. LTD. STEEL DIVISION BALLARI

PART – E

SOLID WASTES:

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year (2021-22)	During the current financial year (2022-23)
a. From process 1) Dolochar 2) Fly Ash	37,699.00 MT 34,072.52 MT	61,131.00 MT 70,641.88 MT
b. From Pollution Control Facility	-	-
c. Quantity recycled or re-utilized within the unit. 1) Dolochar	37699.00 MT	61,131.00 MT

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.

Hazardous Waste/Solid Waste	Total Quantity Generated	Disposal
Used Spent Oil	6.3 KLT	Incinerated in Process
Waste residue containing Oil	14.00 MT	Incinerated in Process
Empty barrels /containers contaminated with hazardous chemicals	0.3 MT	Handed over to KPSCB authorized Re- Cyclers
Organic Residues	3000.0 MT	Utilized for quenching of Hot gases in after Burning chamber of Sponge Iron Plant
Exhaust Air or Gas cleaning residue	580.0 MT	Utilized as fuel in Hot Air Generator attached to Iron Ore Grinding Mill of Pellet plant
Used Lead acid battery	2.246 MT	Handed over to KPSCB authorized Re- Cyclers
Dolochar	61,131.00 MT	Used internally as fuel in Power Plant
Fly Ash	70,641.88 MT	Sold to local Cement Plants, Road Contractors of NHAI and Brick Manufacturers

TANK CORP. LTD. STEEL DIVISION * BALLARI *

PART-G

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

Dolochar which is generated as Byproduct by Sponge Iron units is utilised in AFBC boilers for power generation instead of Coal, And waste gases generated are used for power generation in WHRB.

Total process water is used from Sewage treatment plant of Bellary city Corporation, hence surface water consumption for process utilization is Nil. Effluents are treated in 120 KLD ETP and used for Gardening and Dust suppression. Our Industry is Zero discharge Industry. Rain Harvesting is caried out in our Industry which helps in water conservation. An open Rain Water Harvesting Pond is made and the water from the nearby catchment areas during rainy season is stored in it. The stored water is used for green belt development. Rain water charging bores are dug in plant premises for water recharging purpose.

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution.

Environment protection and pollution control are the priority for our Industry. Any suggestions for improvements made by the pollution control board will be implemented. Constant efforts are being made in making use of the updated technologies for protecting Environment.

PART –I

MISCELLANEOUS:

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

Our industry has taken up extensive Green belt development in the entire plant and we have planted more than 7400 saplings in the financial year 2022-23. Total area of 39 % Green belt is covered out of Total project area.

For Janki Corp Limited,

(G. Narahari Reddy)
General Manager.