

ENVIRONMENT STATEMENT

Form V

[Financial Year (2023-2024) ending 31st March 2024]

SUBMITTED BY

**RAIGARH ISPAT AND POWER PRIVATE
LIMITED**



**VILLAGE-DELARI, TEHSIL-RAIGARH, DISTRICT-RAIGARH
(CHHATTISGARH)**

Environment Statement Report

Environment (Protection) Rules 1986

[Rules-14]

Form V for financial Year (2023-2024) ending 31st March 2024

PART-A

General

1.	Name & Address of the Owner/Occupier the industry Operational or Process	Shri Kamal Agrawal Director Raigarh Ispat and Power Private Limited Village Delari, District Raigarh Chhattisgarh
2.	Industry Category	RED (Steel & Power)
3.	Production Capacity	400 TPD Sponge iron, 12 MW CPP, 90,000 MT IF
4.	Year of Establishment	2005
5.	Date of last Environment Statement Submission	13/05/2023

PART-B

Water and Raw Material Consumption-Operation

I. Water Consumption in m³/Day: 450 m³/Day

Water Consumption in m ³ /Day(2023-2024)	
Process	80.0
Cooling	340.0
Domestic	30.0

Name of product

Name of Product	Process Water Consumption Per Unit of Product Output	
	During the Previous financial Year (2022-23)	During the Current financial Year (2023-24)
Sponge Iron, IF	0.45 M ³ /MT	0.44 M ³ /MT
ELECTRICITY	1500 litter/KWh	1490 litter/KWh

II. Raw Material Consumption:-

Name of Raw Materials	Name of Products	Consumption of Raw Materials per unit of output	
		During the Previous financial year (2022-23)	During the Current financial year (2023-24)
Iron ore/Pellet	Sponge Iron	2.23 MT/MT	2.20 MT/MT
Coal		1.50 MT/MT	1.34 MT/MT
Dolomite		0.00005 MT/MT	0.00005 MT/MT
Coal/char/doloch	CPP	1.85 MT/MW	1.82 MT/MW

Sponge Iron	IF	1.2 MT/MT	1.18 MT/MT
Pig Iron		0.2 MT/MT	0.19 MT/MT
Scrap		0.15 MT/MT	0.2 MT/MT

PART-C Operation

Pollution Discharge to Environment/Unit of Output
(Parameter as specified in the consent issued)

Pollutants		Quantity of Pollutants Discharged	Concentration of Pollutants Discharged	Percentage of Variation from Prescribed
1. Water		Nil	Nil	NA
2. Air	Stack Emission	LESS THAN 50 mg/Nm3	45 mg/Nm3	Within prescribed limit

PART-D

Hazardous Waste:

(As specified under Hazardous Waste (Management & Handling Transboundary Movement) Rules 2008)

Hazardous Wastes	Total Quantity(Kg)	
	During the previous financial year(2022-2023)	During the current financial year(2023-2024)
Form Process(Used/Spent Oil)	0.25 KL	1.30
Ion Exchange resin	NIL	NIL

PART-E

Solid Waste: Ash

Solid Wastes	Total Quantity(MT)	
	During the previous financial year(2020-2021)	During the current financial year (2021-2022)
a. From Process (Char-dolochar)	30040 MT	32500 MT
b. Form Pollution Control Facility (Ash from ESP)	20845 MT	24560 MT
c. Quantity recycled of re-Utilized in sister unit Raigarh Ispat. (Char-dolochar has been used as fuel in FBC boiler)	30040 MT	32500 MT
I. Bricks Making (Ash from ESP)	20845 MT	24560 MT

PART-F

Please specified the characteristics(in term of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of waste.

Hazardous Waste:Hazardous Waste being generated from the process includes used oil (from machineries /equipment, Authorization taken from the Chhattisgarh Environment Conservation Board.

Solid Waste: As per Fly Ash Notification 3rd November 2009 and amendments Fly Ash from CPP will be used in construction of roads/Highways/ back filling of low lying area and bricks manufacturing.

PART-G

Impact of the pollution abatement measure taken on conservation of natural resource and on the cost production.

- 1 - High efficiency Electrostatic Precipitators (ESPs) and bag filter installed to control of dust emission in flue gas.
- 2- Our plant is designed and operational on zero discharge concept.
- 3- Green belt has been developed in and around the plant periphery to control the dispersal of dust particles and attenuate the noise generated during the process.
- 4 - Good housekeeping is being maintained in and around the plant.

PART-H

Additional measure/investment proposal for environmental production including abatement of pollution.

Plant is regularly monitoring ambient air, stack emission, noise level, water quality and soil quality in and around the plant premises. All the emission and discharges are meeting the permissible limits prescribed by MoEF/CPCB/CECB. Green belt has been developed in and around the plant periphery.

PART-I

Any Other particulars for improvement the quality of Environment.

1. Pollution Monitoring and control equipment. Operation/C&I

List of Pollution Control equipment are as follows:

S. No.	Plant Activities	Pollution Control Measure
1	Coal Yard	Water Sprinklers
2	Coal Handling Plants/System	Dust extraction system
4	Coal Transfer Points	Bag filters has been provided in transfer point
5	Boiler(Emission Dispersion)	ESP/Bag filters
6	DM Plant	Neutralization pit

7	Vehicle Movement	Sprinklers/Tarpaulin covering, only PUC vehicle allowed
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2. Management of Waste.

Solid Waste: Bricks manufacturing

Domestic Waste: composted and using as manure of plantation

MISCELLANEOUS

Any other particular is respect of environment protection and abatement of pollution.

1. Good housekeeping is being maintained in and around the plant, dedicated team is deployed for taking care of upkeep of housekeeping and maintaining cleanliness.
2. To create awareness among the employees by imparting training on environment and pollution control.
3. Selection of best environmental practices and its implementation
4. Regular cleaning of roads and water sprinkling to minimize fugitive emission.



Authorized Signatory

Raigarh Ispat and Power Private Limited