

JHARKHAND ISPAT PRIVATE LIMITED

ADMN. OFFICE : Near P.N. Bank, Main Road, Ramgarh Cantt.
Dist. - Ramgarh (Jharkhand) - 829 122
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WORKS :
Vill, & P.O.- Hesla, Argada
Dist.- Ramgarh (Jharkhand)
PIN. - 829 101

Ref. No **JIPL/2024-25** *o/c*

Date..... **28/09/2024**.....

To,
The Member Secretary,
Jharkhand State Pollution Control Board,
HEC Campus, TA Division Building,
Durwa, Ranchi - 834 004.
Jharkhand

Sub: Submission of Environmental Statement Report from the period of April 2023 to March 2024.

Ref.:- CTO Ref. No. – JSPCB/HO/RNC/CTO-10527411/2022/1497, Dated 23/10/2022 & JSPCB/HO/RNC/CTO-18946451/2024/1168, Dated 24/07/2024.

Dear Sir,

With reference to the above, we are enclosing herewith the Environmental Statement Report from the period of April 2023 to March 2024.

Please find above in order and do the needful.

Thanking you,

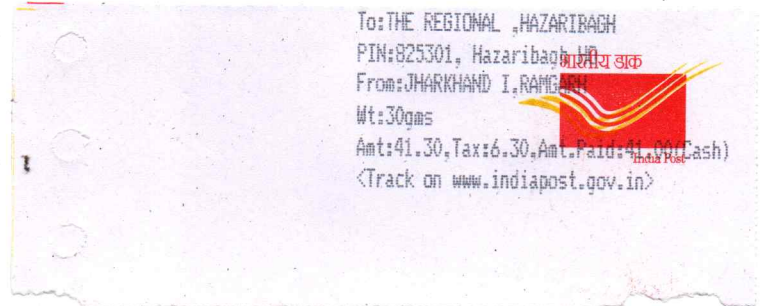
Yours faithfully,
For JHARKHAND ISPAT PVT LTD.



Authorized signatory

Encl: As above.

Cc to: - Regional Officer, Regional Office, State Pollution Control Board, Hazaribagh (Jharkhand)



ENVIRONMENTAL STATEMENT

Jharkhand Ispat Pvt. Ltd.

Period from: April 2023 to March 2024

FORM - V

PART - A

1.	Name and address of the Owner / Occupier of the Industry operation or process	Jharkhand Ispat Pvt. Ltd. Occupier name – Sri Ram Chandra Rungta Village & PO – Hesla, Via - Argada Dist. – Ramgarh, Jharkhand – 829101
2.	Industry Category Primary (S.T.C. Code) Secondary (S.T.C. Code)	Red Category
3.	Production Capacity	Sponge Iron – 120000 TPA M.S. Billet – 108000 TPA
4.	Year of Establishment	2003/2006
5.	Date of the last Environmental Statement Submitted	20/09/2023

PART - B

WATER AND RAW MATERIAL CONSUMPTION

(I) Water consumption in m3/day:

Process & Cooling : 425.03 m3/day

Domestic : 13.14 m3/day

Name of Product	Process Water Consumption per Unit of Product Output	
	During Previous Financial Year (2022-23)	During Current Financial Year (2023-24)
Integrated unit for the production of Sponge Iron, MS Billets, and Captive Power - WHRB	1.842	1.844

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(II) RAW MATERIAL CONSUMPTION:

Name of Raw Material	Name of Product	Consumption of Raw Material Per Unit of Output	
		During Current Financial Year (2022-23)	During Current Financial Year (2023-24)
Coal	Sponge Iron	1.296	1.5469
Dolomite		0.027	0.018
Iron Ore/Iron Ore Pellets		1.903	1.889
MS scrap	MS Billet	0.346	0.185
Pig Iron		0.039	0.148
Sponge Iron (I/F)		0.786	0.861
Silico Manganese		0.009	0.007

(III) POWER CONSUMPTION (KWH/MT):

During Previous Financial Year (2022-23)	During Current Financial Year (2023-24)	Remark
1473.19 KWH/MT of final product MS Billet	1027.925 KWH/MT of final product MS Billet	Power consumption is less due to WHRB became operative in the FY. 2023-24.

(IV) TOTAL PRODUCTION (MT):

Product Name	During Previous Financial Year (2022-23)	During Current Financial Year (2023-24)
Sponge Iron	74,340.66	84,837.00
MS Billet	39,031.30	83912.550

PART - C**DISCHARGED TO ENVIRONMENTAL / UNIT OF OUTPUT**

Pollutants	Quantity of Pollutants Discharged (Mass/Day)	Concentration of Pollutants in Discharge (Mass/Volume)	Percentage of variation from prescribed standard with reasons
(a) Water	<ul style="list-style-type: none"> No industrial effluent is generated. In compliance to Zero Liquid Discharge (ZLD), the web camera and flow meter are installed with online monitoring facilities. The waste water generated from the office toilet and messes are discharged via septic tank and soaks pits. 		
(b) Air	<ul style="list-style-type: none"> Online continuous emission monitoring system of PM & SO₂ are installed with web connectivity with CPCB & SPCB. Unit has installed Dust handling system with 100 m³ capacity silo to control of fugitive emission from bag filter & ESP discharge points. Continuous Ambient Air Quality Monitoring System (CAAQMS) PM 10, PM 2.5, SO₂ & NO_x parameter are installed. 		



PART – D

HAZARDOUS WASTE

(As specified under Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016)

Hazardous Waste	Total Quantity (Ltrs.)	
	During Current Financial Year (2022-23)	During Current Financial Year (2023-24)
a) From Process	Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus. Hazardous waste authorization issued vide letter no JSPCB/ HO/ RNC/HWM-13308699/2023/22, dated 09/04/2023, valid upto 30.09.2027.	Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus. Hazardous waste authorization issued vide letter no JSPCB/ HO/ RNC/HWM-13308699/2023/22, dated 09/04/2023, valid upto 30.09.2027.
(b) From Pollution Control Facilities	Not applicable	Not applicable

PART – E

SOLID WASTE

		Total Quantity (MT)	
		During Previous Financial Year (2022-23)	During Current Financial Year (2023-24)
(a)	From Process		
	1) Dolachar (Coal Char)	88805.00	33000.00
	2) Other waste	171490.29	45100.00
	3) Iron Ore fines	-	-
(b)	From Pollution Control Facility	Nil	Nil
(c)	Quantity recycled or re- utilized within the unit		
	1) Sold (Coal Char)	64516.780	48866.010
	2) Dispose	-	-

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PART – F

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

- Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus.
- Coal Char (Chhai) and other wastes, the solid waste generated in process are being sold at present, the earlier stock of coal char are also being sold as per demand.

PART – G

Impact Of The Pollution Control Measures On Conservation Of Natural Resources And Consequently On The Cost Of Production

- Unit has 4X100 TPD Sponge iron kilns, installed four numbers of ESP attached to each Rotary kiln stack to control stack emission.
- Unit has installed eight numbers of bag filters at various material transfer points of Sponge Iron plant to control fugitive emissions. One fume extraction system (Ventury Scrubber) is installed with Induction Furnace plant.
- Unit has installed Dust/Ash handling system with 100 m3 capacity silo to control of fugitive emission from bag filter & ESP discharge points.
- Unit has installed fifty numbers of water sprinklers at various places within plant premises to control dust emission / fugitive emission from haul roads.
- All conveyor belts are covered with M.S.Steel.
- All raw materials are kept in covered shed.

PART – H

Additional Measures/Investments Proposal For Environment Protection Including Abatement Of Pollution

- Plantation are made at plant site besides the boundary. We are also doing support for plantation in nearby villages during rainy season every year. New plantations are also made every year in the plant during rainy season.
- EC issued vide letter no F.No.J-11011/41/2013-IA.II(I) dated – 07/09/2022.
- The CTE issued vide letter no. JSPCB/HO/RNC/CTE-14198438/2023/1 DT-01/01/2023
- 6 MW Waste Heat Recovery Boiler is installed and operative.

PART – I

Any other particulates for improving the quality of environment

- Unit has installed two numbers of online Continuous Emission Monitoring System (CEMS) for measurement of particulate matter (PM) & SO₂.
- The web camera & flow meter has installed with online monitoring facilities.
- Continuous Ambient Air Quality Monitoring System (CAAQMS) PM 10, PM 2.5, SO₂ & NO_x parameter are installed with online monitoring facilities.
- Unit has installed Telemetry System at One no. of Bore well and piezometer.
- Data of CEMS, Camera & flow meter are continuously updated on CPCB & SPCB server.
- Unit has installed Dust/Ash handling system with 100 m3 capacity silo to control of fugitive emission from bag filter & ESP discharge points.

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