



NARSINGH ISPAT LIMITED

Corporate Off.: DIAMOND HERITAGE, 16, STRAND ROAD, 15th FLOOR, SUITE NO.1512, KOLKATA-700001 (W.B.)
PHONE : 033-66168650, E-mail : info@narsinghispat.com, Website : www.narsinghispat.com

NIL/ENV/ESR/03/2024-25

Date - 14/09/2024

To,

The Member Secretary
Jharkhand Pollution Control Board,
T.A Division Building, Ground Floor,
HEC Campus, Dhurwa, Ranchi- 834004

Sub: Submission of Environment Statement report for the FY 2023-24 under the Environment (Protection) Act 1986 of Narsingh Ispat Limited (**Sinter- 600 TPD, Pig Iron – 450 TPD, Power - 4 MW**)

Dear Sir,

With reference to Subject mentioned above, please find herewith enclosed environment Statement report for FY 2023-24 i.e., (Apr-23 to Mar-24) as per environment protection Act 1986 of Narsingh Ispat Limited (**Sinter- 600 TPD, Pig Iron – 450 TPD, Power - 4 MW**).

Submitted for your Kind information and record Please.

Thanking you.

For Narsingh Ispat Ltd.

Authorized Signatory

Encl: As Above.

CC.: The Regional Officer Jharkhand Pollution Control Board M-15, New Housing Colony, Adityapur Jamshedpur - 839018



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CIN No. : U27102WB2004PLC100012

FORM V
(See rule 14)

Environmental Statement for the financial year ending on 31st March 2024

PART - A

(i)	Name and address of the occupier of the industry/ operation or process.	Mr. Hemant Goyal Managing Director M/s Narsingh Ispat Limited Vill-Khunti, Chowka Kandra Road, Dist. Saraikela - Kharsawan, Jharkhand
(ii)	Industry Category Primary (SIC code) Secondary (SIC code)	Primary - Large
(iii)	Production Capacity	Sinter - 600 TPD Pig Iron - 450 TPD Power - 4 MWH
(iv)	Year of establishment	2011
(v)	Date of the last environmental statement submitted	01.09.2023

PART - B

WATER AND RAW MATERIAL CONSUMPTION

(A) Water Consumption m ³ /day	: 460 KLD
Process	: 195 KLD
Cooling	: 240 KLD
Domestic	: 25 KLD
Water spraying	: Waste water generated from domestic use, spraying for dust suppression.

Name of the product	Process water consumption per unit of product output.	
	During the financial year 22-23	During the current financial year 23-24
Pig Iron	0.940 KL/MT Pig Iron	0.935 KL/MT Pig Iron
Sinter	0.080 KL/MT Sinter	0.078 KL/MT Sinter
Power	2.235 KL/MWH Power	2.227 KL/MWH Power

(B) Raw Material Consumption:

Name of raw Material	Name of the products	Consumption of raw material per unit of output	
		During the financial year 22-23	During the current financial year 23-24
Iron Ore	Pig Iron	0.875 MT	0.578 MT
Sinter		0.470 MT	1.157 MT
Pallet		0.350 MT	0.159 MT
Coke		0.750 MT	0.749 MT
Dolomite		0.070 MT	0.020 MT
Lime Stone		0.130 MT	0.024 MT
Pyroxenite		0.030 MT	0.026 MT
Quartzite		0.020 MT	0.034 MT

Iron Fines	Sinter	0.700 MT	0.734 MT
Sinter Return Fines		0.040 MT	0.394 MT
Coke Fines		0.170 MT	0.073 MT
Dolo Fines		0.130 MT	0.056 MT
Lime Stones Fines		0.250 MT	0.125 MT
Mix Fines		-	0.021 MT
Peral Coke		-	0.006 MT
Mill Scale		-	0.007 MT
Flue Dust		-	0.007 MT

PART - C

POLLUTION DISCHARGED TO ENVIRONMENT /UNIT OF OUTPUT
(PARAMETER AS SPECIFIED IN THE CONSENT ISSUED)

Pollutants	Quantity of pollutants Discharged (mass/day)	Concentrations of Pollutants in Discharged (mass/volume)	Percentage of variation from prescribed standards with reasons
(A) Water	There is no waste water generation from the plant process; water used only for cooling purpose which is recycled back into the system. The waste water generated from domestic use is being disposed off in soak pit via septic tank.		
(B) Air	As per Monitoring report enclosed		

PART - D

(AS SPECIFIED UNDER HAZARDOUS WASTE / MANAGEMENT AND HANDLING RULES, 1989)

Hazardous Waste	Total Quantity (kg/ years)
Copy attached	During the current financial year
(a) From process	650 Kg Used Oil and 155 Kg Wastes or residues containing oil generated, kept in drum and re-used for lubrication of Pig Casting Machine.
(b) From Pollution Control	N.A.

PART - E

SOLID WASTES

	Total Quantity (t/year)	
	During the Financial year 22-23	During the current Financial year 23-24
(a) From process	N.A.	N.A.
(b) From Pollution Control facility	Dust collected in the bag filters are re-used in sinter plant as raw material.	Dust collected in the bag filters are re-used in sinter plant as raw material.
Quantity recycled or reutilized		
* Sold	87707.360 MT sold to Cement Industry	55042.12 MT sold to Cement Industry
* Disposed	4323 MT sold to road construction companies for	6258.03 MT sold to road construction companies for

	road making Process.	road making Process.
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PART - F

Characteristics of wastes and Indicative Disposal practice adopted

Hazardous Waste: - No Hazardous waste is generated from the process except used oil which is drained from machineries / equipments, which is again used for Pig Casting Machines.

Solid Waste: -Solid such as BF slag sold to Cement Industry & Road Construction Company.

PART - G

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

M/s Narsingh Ispat Ltd. is operating on Clean Development Mechanism. This can be justified as we have installed & operate sinter plant, which utilizes all raw materials under size fines & wastes generated from blast furnace process and this sinter reused as raw material for pig iron. We also installed a BFG based power plant to use blast furnace waste gases and convert these gases into energy, which ultimately reduce carbon footprint in environment and reduce cost of production due to reduction of energy cost. The stack emissions from plant controlled by high-efficiency pollution control equipment like Gas Cleaning Plant with Dust Catcher, Venturi Scrubber, Multi Cyclone and Bag Filters. The particulate matter collected in the pollution control equipment is also recycled and reused in sintering process and neutralizing the cost of operation of pollution control equipments and hence no cost impact on the production cost.

PART - H

Additional investment proposal for environment protection including abatement of pollution

Green belt development and tree plantation is our ongoing process. We are doing new plantation to increase the bio-diversify of the area. We have planted more than 5500 plants and more planted is in process.

PART - I

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

1. Monitoring of stack emission and ambient air and water quality is being done regularly.
2. Maintenance department is doing regular checking and scheduled maintenance of all the pollution control devices.
3. Civil and Personal & Administration departments taking care for of House Keeping.
4. Horticulture Section is taking care of tree plantation and green belt development. Every year we are growing new tree plantation.
5. Installation of New LED (Online display board) for display of emission parameters for public awareness.
6. Concreting work has been done to reduce fugitive dust emission.
7. Installation of NEW CAAQMS (Continuous Ambient Air Quality monitoring system).

Dated: 14/09/2024

**For,
M/S NARSINGH ISPAT LIMITED**



(Authorized Signatory)