

Ref. OMIPL/ENV_Statement/2023-24

Date: - 27.09.2023

To,
The Member Secretary,
West Bengal Pollution Control Board
Parivesh Bhawan,
10A, Block LA, Sector - III, Salt Lake City
Kolkata - 700098



**Sub – Environmental Statement for the Financial Year ending the 31st March, 2023
submitted by M/s – Orissa Metallurgical Industry Private Limited.**

Dear Sir,

With respect to the above subject matters, we hereby enclosed the Environmental statement for the financial year ending the 31st March, 2023 as per rule – 14, Form - V for your ready reference.

So, kindly acknowledge the same.

Thanking you,

For, M/s- Orissa Metallurgical Industry Private Limited

For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED

Director/Authorized Signatory

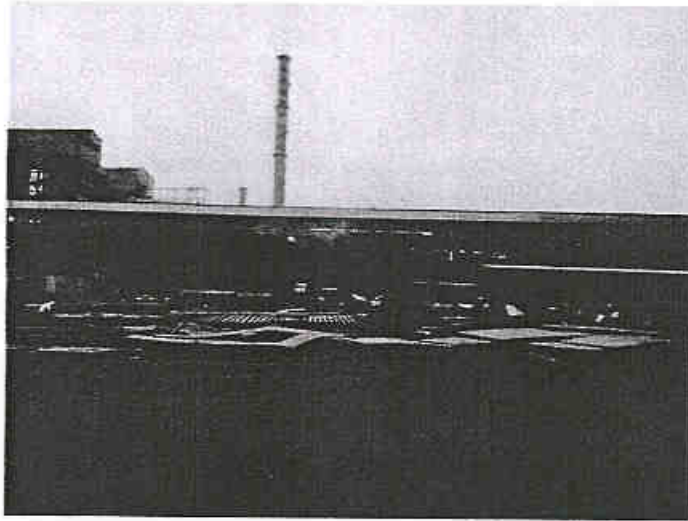
Authorized Signatory

Encl. Stated as above.

**ENVIRONMENTAL STATEMENT FOR
THE FINANCIAL YEAR
2022-2023**

FORM - V

**M/S. ORISSA METALLURGICAL
INDUSTRY PRIVATE LIMITED**



Factory Address:

M/s - Orissa Metallurgical Industry Pvt. Ltd.

***Village - Gokulpur, P.O. - Shyamraipur,
P.S. - Kharagpur (Local) Dist - Paschim
Medinipur (W), Pin - 721301,
West Bengal***

For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED.


Director/Authorized Signatory

[FORM-V]

(Rule-14)

Environmental Statement for the financial year ending the 31st March 2023

PART - I

- i) Name and address of the owner/occupier of the industry operation or process

Register & Corporate Office address:

M/s Orissa Metallurgical Industry Private Limited

1, Garstin Place, Orbit House

3rd Floor, Room No- 3B

Kolkata - 700001

West Bengal

M/s Orissa Metallurgical Industry Private Limited

Village - Gokulpur, P.O. - Shyamraipur, P.S - Kharagpur (Local)

Dist - Medinipur (West), Pin - 721301,

West Bengal

- ii) Industry Category

Red Category

- iii) Production Capacity :

Sl. No.	Name of the Product	Production Capacity as per CFO C0131928 Dated 19/03/2021	Production Capacity	
			2021-2022	2022-2023
1.	M.S. Billets	3,00,000 TPA	2,76,343 TPA	2,99,998 TPA
2.	TMT Bars, Wire & Wire Rod	6,50,000 TPA	1,44,259 TPA	4,94,074.12 TPA
3.	Power Generation-T.G. only	45 MW	----	41.50 MW

- iv) Year of Establishment: - 2021

- v) Date of the last Environment Statement Submitted :- 23/09/2022

For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED

Director/Authorized Signatory

PART - B

- i) Water and river material consumption:-
1. Water Consumption (m³/day) =402 KLD
 2. Process = NIL
 3. Cooling = 400 KLD
 4. Domestic Purpose = 2 KLD

Consumption per unit of production:-

Name of the product	Water Consumption of product output during the financial year (2021-2022)	Water Consumption of product output during the current financial year (2022-2023)
M.S. Billet	200	400 KLD
Wire Coil		
Power		

*All data are furnished in the basis of makeup water per day and production capacity is as per CFO permission:

ii) Raw Material Consumption :-

Sl. No.	Name of Raw Materials	Name of Products	Consumption Quantity per annum (2021-2022)	Consumption Quantity per annum (2022- 2023)
1.	Sponge Iron	M.S. BILLETS	0.987	0.971
2.	Pig Iron captive		0.082	0.143
3.	Runner		0.043	0.028
4.	Silico Manganese		0.016	0.016
5.	TMT Miss Roll		0.004	0.029
6.	Miss Scale		--	--
7.	Scarp		0.103	0.069
8.	Billet - Captive	TMT/ WIRE ROD	1.040	1.038

PART - C

A. Water Pollution:-

Pollutants	Quantity of pollutant discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standard with reason
NIL	Zero Discharge is maintained. No liquid effluent is generated		

For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED,


Director/Authorized Signatory

	from the manufacturing process.
	Domestic waste water generated from residential colony and office toilets is treated by septic tank and Soak pits.

B. Air Pollution:

Pollutant type: - Particular Matter

Source of Pollutants	Quantity of pollutant discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standard with reason
Induction Furnace- (5 x 20 MT)	0.586 kg/day	0.88 mg/Nm ³	Within the limit as per CFO warded from WBPCB & MoEF/CPCB notification.

PART - D

Hazardous Waste

(As specified under Hazardous Waste Management and Handling Rules, 1989)

Hazardous Waste	Total Quantity (Kg)	Total Quantity (Kg)
	During the previous financial year (2021-2022)	During the current financial year (2022-2023)
From Process	For Liquid = NIL For Solid = NIL	For Liquid =0.78 MTPA For Solid =0.0084 MTPA
For Pollution Control Facilities	NIL	0.40068 MTPA

PART - E

Solid waste

	Total Quantity	
	During the previous financial year (2021-2022)	During the current financial year (2022-2023)
a) From Process	11,100 TPA	20,956.1 TPA
b) From pollution control facilities	52,550 TPA	55,211.35 TPA
c) Quantity recycled or reutilized within the unit	11,100 TPA	20,956.1 TPA
d) Disposed	52,550 TPA	55,211.35 TPA

For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED

 Director/Authorized Signatory

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.

Sl. No.	Name of the Hazardous Waste	Quantity per Annum
1.	Waste Oil (Rule 5.1)	0.78 MTPA
2.	Cotton Waste/ Jute Containing Oil (5.2)	0.0084 MTPA
3.	Bag Filter (Rule – 35.1)	0.40068 MTPA

All hazardous waste will be disposed of by WBPCB authorized vendors.

Organic bio degradable solid wastes will be used for organic manure creation and used for Green Belt Development purpose.

PART – G

In respect of the pollution abatement measures taken up on conservation of natural resources and on the cost of production.

We are adopting some good manufacturing practice for betterment of plant environment like:

1. End cuts, wire reused in SMS I.F.
2. Using air pollution control dust in land levelling, paver block making through solid waste management practice.
3. SMS slag after metal recovery used as rail ballast, land levelling
4. Online real time continuous stack system is installed and data is being transferred to CPCB server.

PART - H

Additional measures/ investment proposal for environment protection including abatement of pollution prevention of pollution

Additional measures being taken for prevention of Pollution are as follows:

1. Planning of extensive green belt development in the additional areas in and around the plant and along the plant boundary.
2. Schedule maintenance and monitoring of all Air Pollution Control Device's (APCD's) like Bag Filters and Bag House are being regularly undertaken to

For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED


Director/Authorized Signatory

ensure their efficient operations in order to keep emission level within the prescribed limit.

3. Regular sprinkling and spraying of water is being done through sprinklers and water tanker for suppress the fugitive dust.
4. Repairing of internal road inside the plant to reduce fugitive emission.
5. Awareness programs like plantation activities, Slogan competition, extempore speech competition was organized for children for awareness on environment protection/water conservation on 5th June (World Environment Day).

PART- I

Any other particular for improving the quality of the environment

In addition to training of employees in various aspects of pollution control activities of the plant, programs like celebration of World Environment Day, World Safety Day, screening of films on environment, Tree Plantation etc. will be regularly carried out in order to create greater awareness towards environment protection amongst employees and the people in the neighboring areas.

All the environmental standards / stipulation will be fully maintained by the Plan Management on priority basis.

Constant efforts will be made in making use of the updated technologies.

For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED

Director Authorized Signatory



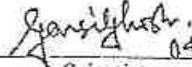
WEST BENGAL POLLUTION CONTROL BOARD
HALDIA REGIONAL LABORATORY
Raghunathchak, P.O Barghasipur, P.S- Bhabanipur, Haldia
Purba Medinipur- 721657

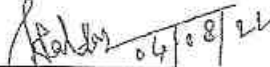
Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry	M/s Orissa Metallurgical Pvt. Ltd		
2. Address	Vill-Gokulpur, Shyannipur, Kharagpur, Paschim Medinipur		
3. Category & Type	Red		
4. Sampling Date	22/07/2022		
5. Duration of Sampling	20 min		
6. Name of Laboratory	M/s Qualissure Laboratory Services		
7. Height of Stack from ground (m)	35.0		
8. Cross section of Stack at sampling point(m ²)	0.785		
9. Stack connected to	Induction Furnace (5×20 MT attached with common stack)		
10. Emission due to (Furnace/Boiler)	Melting of Pig Iron, Sponge Iron Etc		
i i. Average operational hours of boiler/ furnace (per month)	720 hrs/month		
12. APC System (if any)	Bag Filter		
13. Working load of source (MT/hr)	5×20 MT(all furnace Running at Sampling)		
14. Fuel used	-		
15. Rated Fuel consumption (Kg or l/hr)	-		
16. Working Fuel consumption (Kg or l/hr)	-		
17. Nature of Furnace/Boiler	Induction Furnace		
18. Flue gas Temp. (°C)	40.0		
19. Flue gas velocity m/s	11.27	20. Volume of Flue gas drawn in lit (m ³)	1.000
21. Corrected flue gas volume (Nm ³)	0.9042	22. Percentage CO ₂ & O ₂	-
23. To be compensated at (% if required)			
24. Initial wt of thimble (gm)	1.5362	25. Final wt of thimble (gm)	1.5370
26. Wt. of PM (g)	0.80	27. Particulate matter (mg/Nm ³)	0.88
28. Barometric Pressure Head	751 mm of Hg	29. Diameter of the nozzle	9.53 mm
30. Others:-		31. Thimble No.	934
32. Sampled by:	A. Das ABE, HRO & p. Mukherjee, JEE, HRO		

*Done by R.V Briggs & Co. Pvt Ltd


04/08/22
Scientist


04/08/22
Signature of In-Charge

Copy to:

1. Chief Engineer, O & E, WBPCB.
2. Dr. R.K.Saha, Chief Scientist, WBPCB
3. Asst. Environmental Engineer, H.R.O., WBPCB (two copies)

For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED


Director/Authorized Signatory