



ORISSA METALIKS PRIVATE LIMITED

CIN: U27109WB2006PTC111146

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o/c.

Ref. OMPL/ENV_Statement/2023-24

Date:- 21.09.2023

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 Metaliks 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.

You are requested kindly acknowledge the same.

Thanking you,

For, M/s Orissa Metaliks Private Limited

ORISSA METALIKS PVT. LTD.

Authorized Signatory

Encl. Stated as above.

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

FORM - V

**M/S. ORISSA METALIKS PRIVATE
LIMITED**



M/s – Orissa Metaliks Private Limited

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

ORISSA METALIKS PVT. LTD.
Director/Authorised 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 Metaliks Private Limited

1, Garstin Place, Orbit House

3rd Floor, Room No- 3B

Kolkata - 700001

West Bengal

M/s Orissa Metaliks 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 C0113633 Dated 17/03/2022	Production Capacity	
			2021-2022	2022-2023
1.	M.S. Billets	6,00,000 TPA	2,80,135 TPA	3,57,287 TPA
2.	Wire Coil	1,50,000 TPA	---	---

- iv) **Year of Establishment: - 2017**

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

PART - B

- i) **Water and river material consumption:-**

1. **Water Consumption (m³/day) = 117 KLD**

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2. Process = NIL
3. Cooling = 112 KLD
4. Domestic Purpose = 5 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	97.11 KLD	112 KLD
Wire Coil	---	---

*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 (OMPL-Captive)		0.987	0.994
2.	Sponge Iron (Purchase)			
3.	Pig Iron captive		0.082	0.132
4.	Pig Iron Purchase		--	--
5.	Runner		0.043	0.034
6.	Silico Manganese		0.016	0.014
7.	TMT Miss Roll		--	--
8.	Miss Scale		--	--

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

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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 with LRF- (5 x 20 MT)	8.44 kg/day	6.59 mg/Nm ³	Within the limit as per CFO warded from WBPCB & MoEF/CPCB notification. The analysis report & OCEMS data is annexed as Annexure I.

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 =2.2735 Metric Tons/Year For Solid =0.00045 Metric Tons/Year	For Liquid = 0.42 Metric Tons/Year For Solid = 0.02124 Metric Tons/Year
For Pollution Control Facilities	0.024 Metric Tons/Year	0.68757 Metric Tons/Year.

PART - E**Solid waste**

	Total Quantity	
	During the previous financial year (2021 - 2022)	During the current financial year (2022-2023)
a) From pollution control facilities	11,788.08 TPA	18,793 TPA
b) Disposed	3,059.07 TPA	3902 TPA

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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.

Sl. No.	Name of the Hazardous Waste	Quantity per Annum
1.	Waste Oil (Rule 5.1)	0.42 MTPA
2.	Cotton Waste/Jute Containing Oil (5.2)	0.02124 MTPA
3.	Bag Filter (Rule - 35.1)	0.68757 MTPA

All hazardous waste will be disposed of by 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 leveling, paver block making through solid waste management practice.
3. SMS slag after metal recovery used as rail ballast, land leveling
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

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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.


CRISS METALFINES PVT. LTD.
Sri Lanka

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 Metaliks (p) Ltd (Unit-1)	
2. Address		VIII- Gokulpur, PO- Samraipur, Kharagpur, Paschim Medinipur	
3. Category & Type		Red, Steel Melting Shop	
4. Sampling Date		25/11/2022	
5. Duration of Sampling		34 min	
6. Name of Laboratory		M/S Envirocheck	
7. Height of Stack from ground (m)		35.0	
8. Cross section of Stack at sampling point(m ²)		0.5710	
9. Stack connected to		Induction Furnace(6×10 MT) Attached with common stack	
10. Emission due to (Furnace /Boiler)		Melting of pig iron & Sponge Iron	
11. 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)		6×10 MT (each) All Furnace were running	
14. Fuel used		NIL	
15. Rated Fuel consumption (Kg or l/hr)		NIL	
16. Working Fuel consumption (Kg or l/hr)		NIL	
17. Nature of Furnace /Boiler		Induction Furnace	
18. Flue gas Temp. (°C)		41.0	
19. Flue gas velocity m/s	29.87	20. Volume of Flue gas drawn in lit (m ³)	1.02
21. Corrected flue gas volume (Nm ³)	0.9858	22. Percentage CO ₂ & O ₂	CO ₂ -1.6%& O ₂ -16.8%
23. To be compensated at (% , if required)		-	
24. Initial wt of thimble (gm)	1.3800	25. Final wt of thimble (gm)	1.3865
26. Wt. of PM (mg)	6.50	27. Particulate matter (mg/Nm ³)	6.59
28. Barometric Pressure Head	757 mm of Hg	29. Diameter of the nozzle	1.587 mm
30. Others:-		31. Thimble No.	166
32. Sampled by:		K. Sahoo AEE,HRO	

* Done by Envirocheck

Scientist

[Signature]
Signature of In-Charge 05/12/22

- Copy to:
1. Chief Engineer, O & E, WBPCB.
 2. Chief Scientist, WBPCB
 3. AEE & I/C, H.R.O., WBPCB (two copies)

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