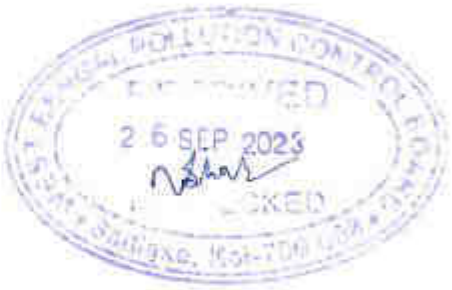
ORISSA METALIKS PRIVATE LIMITED (POWER DIVISION) O/C

REGD. OFFICE: 1, GRASTIN PLACE 'ORBIT HOUSE' 3RD FLOOR, ROOM NO. 3B, KOLKATA-700001, INDIA
Phone: +91-33-2243-8518, Fax: +91-33-2243-8517 E mail: orissametalikspvtltd@gmail.com
Website: www.orissametaliks.com, CIN: U27109WB2006PTC111146

Ref. OMPL(POWER)/ENV_Statement/23-24 Date- 21.09.2023

To,
The Member Secretory,
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 (POWER DIVISION)** at Kharagpur Dist.-Paschim Medinipur West Bengal

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 (POWER DIVISION)**

ORISSA METALIKS PVT. LTD.

Authorised Signatory

Authorized Signatory

Encl. Stated as above.

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR 2022-2023

FORM – V

M/S. ORISSA METALIKS PVT. LTD.

(POWER DIVISION)

Factory Address:

M/s – Orissa Metaliks Pvt. Ltd. (Power Division)

Village – Gokulpur, P.O. – Shyamraipur,
P.S. – Kharagpur (Local) Dist. – Paschim
Medinipur (W), Pin – 721307,
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

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

i) Register & Corporate Office address:

M/s Orissa Metaliks Private Limited (Power Division)
1, Garstin Place, Orbit House
3rd Floor, Room No- 3B
Kolkata – 700001
West Bengal

M/s Orissa Metaliks Private Limited (Power Division)
Village – Gokulpur, P.O. – Shyamraipur, P.S – Kharagpur (Local)
Dist. – Medinipur (West), Pin - 721307
West Bengal

ii) Industry Category
Red Category

iii) Production Capacity

Sl. No.	Name of the product	Production Capacity	Production (2021-2022)	Actual Production (2022-2023)
1.	Captive Power Plant	45 MW	26.09 MW	27.87 MW

iv) Year of Establishment: - 2019

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

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Director/Authorised Signatory

PART - B

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

1. **Water Consumption (m^3/day) = 2753.5 KLD**
2. **Process = 0 KLD**
3. **Cooling = 2750 KLD**
4. **Domestic Purpose = 3.5 KLD**

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
Captive Power Plant	2754 KLD	2750 KLD

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

ii) **Raw Material Consumption :-**

Name of Raw Materials	Name of Products	Consumption of Raw Materials per unit of Output	
		During previous financial year 2021-2022	During current financial year 2022-2023
Coal +Dolochar	CPP	1,12,433 TPA	2,58,766 TPA

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	As the industry is being operated on dry process technology, no effluent is generated from the manufacturing process. However the waste water generated during the cooling, spraying etc. Waste water is treated through primary ETP. Clean water is used for reduce the fugitive emission and green belt development after conformity with the CPCB guideline. Domestic waste water generated from residential colony and office toilets is treated by septic tanks and Soak-pits.		

ORISSA METALIKS PVT. LTD.

Director/Authorised Signatory

A. Air Pollution:

Pollutant type: - Particular Matter

Source of Pollutants	Quantity of pollutant discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	% of variation from prescribed standard with reason
CFBC Boiler	417.825 kg/day	21.095 mg/Nm^3	Within the limit as per CFO accorded from WBPCB & MoEF/CPCB notification. The analysis report is annexed as **Annexure- I.**

PART – D

Hazardous Waste

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

Hazardous Waste	Total Quantity	
	During the financial year (2021-2022)	During the current financial year (2022-2023)
From Process	For Liquid = 430 Ltr. For Solid = 5 Kg	For Liquid = 4.27 MTPA For Solid = 0.126 MTPA
For pollution control facilities	Nil	0.40222 MTPA

PART – E

Solid waste

	Total Quantity	
	During the financial year (2021-2022)	During the current financial year (2022-2023)
a) From process	87,572.8 TPA	54,579.98 TPA
b) From pollution control facilities	17,031.55 TPA	18,193.536 TPA
c) Quantity recycled in the unit	87,572.8 TPA	54,579.98 TPA
d) Sold	17,031.55 TPA	18,193.536 TPA

ORISSA METALIKS PVT. LTD.

Director/Authorised 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 (2021-2022)	Quantity per Annum (2022-2023)
1.	Waste Oil (Rule 5.1)	430 Ltr.	4.27 MTPA
2.	Cotton Waste/Jute Containing Oil (5.2)	5 Kg.	0.021 MTPA
3.	Bag-Filter (35.1)	---	0.40222 TPA
4.	Ion Exchange Resin(35.2)	---	0.105 TPA

All hazardous wastes are disposed of by WBPCB authorized vendors.

Organic bio degradable solid wastes are used for organic manure creation and used for Green Belt development purpose.

All hazardous wastes are disposed of by WBPCB authorized vendors.

Organic bio degradable solid wastes are used for organic manure creation and used for Green Belt development purpose.

PART - G

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

1. We are adopting the 'Zero Water Discharge' philosophy for our day to day plant operation i.e. Reduce – Reuse the water.
2. Fly ash generated from FBC is used for cement making in associate company cement plant and also making bricks through solid waste management practice.
3. Bottom as is used for road construction and land levelling.
4. Online real time continuous stack system is installed and data is being transferred to CPCB server.

ORISSA METALIKS PVT. LTD.

Director/Authorised Signatory

PART - H

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

We are adopting the 'Zero Water Discharge' philosophy for our day to day plant operation i.e. Reduce – Reuse the water, we are also adopting the Rain water harvesting (proposed) schemes for minimizing the ground water uses.

Environment protection and pollution controls have been the priority for the industry. Any suggestions or improvements made by the Pollution Control Board would be implemented.

PART- I

Any other particular for improving the quality of the environment

In addition to training 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 towards environment protection amongst employees and the people in the neighboring areas.

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

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

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ORISSA METALIKS PVT. LTD.

Director/Authorised 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 Metaliks Ltd.(Power Division –II)		
2. Address		Vill- Gokulpur,Po- Shyamraipur, Khargapur, Paschim Medinipur		
3. Category & Type		Red, Power Division Unit		
4. Sampling Date		29/12/2022		
5. Duration of Sampling		28 min		
6. Name of Laboratory		Indicative Consultant India		
7. Height of Stack from ground (m)		110.00		
8. Cross section of Stack at sampling point(m²)		30.20		
9. Stack connected to		CFBC Boiler(45 MW)		
10. Emission due to (Furnace /Boiler)		Combustion of Coal & Dolochar		
11. Average operational hours of boiler/ furnace (per month)		720 Hrs		
12. APC System (if any)		ESP		
13. Working load of source (MT/hr)		40 MW		
14. Fuel used		Coal & Dolochar		
15. Rated Fuel consumption (Kg or l/hr)		-		
16.Working Fuel consumption (Kg or l/hr)		Coal-29 TPH/ Dolochar-12 TPH		
17.Nature of Furnace /Boiler		CFBC Boiler		
18.Flue gas Temp. (°C)		122.0		
19. Flue gas velocity m/s	11.74	20. Volume of Flue gas drawn in lit (m³)	1.008	
21.Corrected flue gas volume (Nm3)	0.9363	22. Percentage CO_2& O_2	CO_2-10.6% & O_2-9.4%	
23. To be compensated at (%, if required)		At 6% O_2		
24. Initial wt of thimble (gm)	1.4955	25.Final wt of thimble (gm)	1.5146	
26. WL of PM (mg)	19.10	27. Particulate matter (mg/Nm³)	26.38	
28. Barometric Pressure Head	756 mm of Hg	29. Diameter of the nozzle	9.525 mm	
30.Others:- mg/Nm³ SO_2 & NO_x		31.Thimble No.	197	
32. Sampled by:		A. Das, AEE, HRO		

*Done by Indicative Consultant India

10/01/23
Scientist

10/01/23
Signature of In-Charge

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

ORISSA METALIKS PVT. LTD.
Director/Authorised Signatory

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

Analysis Done at Haldia Regional Laboratory : Analysis Report of Gaseous Emission

1. Name of Industry		M/s Orissa Metaliks Pvt Ltd.(Power Division)	
2. Address		Vill- Golkulpur, PO- Shyamraipur, PS- Kharagpur(Local), Dist- Paschim Medinipur	
3. Category & Type		Red. Power Plant	
4. Sampling Date		28/03/2023	
5. Duration of Sampling		30 min	
6. Name of Laboratory		M/s Envirocheck	
7. Height of Stack from ground (m)		110.0	
8. Cross section of Stack at sampling point(m^2)		30.20	
9. Stack connected to		CFBC Boiler(45 MW)	
10. Emission due to (Furnace /Boiler)		Combustion of Coal & Dolochar	
11. Average operational hours of boiler/ furnace (per month)		720 hrs/month	
12. APC System (if any)		ESP(5 Nos Fields)	
13. Working load of source (MT/hr)		Rated-45 MW (Running-45MW)	
14. Fuel used		Coal & Dolochar	
15. Rated Fuel consumption (Kg or l/hr)		-	
16.Working Fuel consumption (Kg or l/hr)		Coal-26 TPH & Dolochar-11 TPH	
17.Nature of Furnace /Boiler		CFBC Boiler	
18.Flue gas Temp. (^{0}C)		107.5	
19. Flue gas velocity m/s	9.36	20. Volume of Flue gas drawn in lit (m^3)	1.020
21.Corrected flue gas volume (Nm3)	0.9420	22. Percentage CO_2& O_2	CO_2-11.4% & O_2-7.0%
23. To be compensated at (%, if required)		At 6% O_2	
24. Initial wt of thimble (gm)	1.4147	25.Final wt of thimble (gm)	1.4286
26. WL of PM (mg)	13.90	27. Particulate matter (mg/Nm^3)	15.81
28. Barometric Pressure Head	756 mm of Hg	29. Diameter of the nozzle	9.52 mm
30.Others:-* SO_2& NO_x		31.Thimble No.	357
32. Sampled by:		N.C Barai,AEE, HRO	

*Done M/s Envirocheck

05/04/2023
Scientist

05/04/2023
Signature of In-Charge

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

ORISSA METALIKS PVT. LTD.
Authorised Signatory