

To,

Date: 30/09/2022

The Environmental Engineer & In-Charge,
West Bengal Pollution Control Board (Durgapur Regional Office),
Sahid Khudiram Sarani, City Centre, Durgapur
Paschim Bardhaman- 713216.

Sub: Submission of Environmental Statement Report in Form- V.

Dear Sir,

Submitted herewith the Environmental Statement Report dully filled in Form- V for the financial year ending 31st March 2022. Please find it.

The below mentioned documents are attached herewith-

- i) Form- V for the financial year ending 31st March 2022.

Thanking you,

Yours sincerely

For Neo Metaliks Ltd.



Authorized Signatory

NEO METALIKS LTD.

GOPALPUR, DURGAPUR

ENVIRONMENTAL STATEMENT REPORT (FORM V)

FOR THE FINANCIAL YEAR ENDING

31st MARCH 2022

Submitted to:

WEST BENGAL POLLUTION CONTROL BOARD

DURGAPUR REGIONAL OFFICE

PART - A

1. Name and address of the owner/occupier/Factory Manager of the industry, operation or process	Mr. Sanjay Kr. Jha Vill + P.O.- Gopalpur, P.S.- Kanksa, Dist.-Paschim Bardhaman, Pin- 713212.
2. Industry Category	Red
3. Production Capacity of Unit	PIG IRON - 15666 MT/Month SINTERED IRON - 25000 MT/Month CPP - 4.5 MW
4. Year of Establishment	2006
5. Date of last Environmental Statement submitted	30/09/2021

PART - B

WATER AND RAW MATERIALS CONSUMPTION

1. WATER CONSUMPTION

PROCESS	Nil
DOMESTIC	10.4 m ³ /d
COOLING	370.05 m ³ /d

Name of the Products	Process water consumption per unit of output	
	During the financial year (Apr 2020 - Mar 2021)	During the financial year (Apr 2021- Mar 2022)
A. Pig Iron	Water is not used in the process	Water is not used in the process

2. RAW MATERIAL CONSUMPTION

Name of Raw Materials	Name of Items	Name of Products	Consumption of Raw Material /unit of output	
			During the previous financial year (2020-2021)	During the current financial year (2021-2022)
Iron Ore Fines		PIG IRON	0.617	0.577
Iron Ore & Screened			0.677	0.636
Iron Ore Pellet			0.000	0.000
Coke Fines			0.062	0.057
Coke & Screened			0.608	0.585
Lime Stone			0.115	0.104
Lime Stone Fines			0.003	0.027
Quick Lime			0.001	0.003
Dolomite Fines			0.029	0.041
Dolomite			0.075	0.061
Quartzite			0.000	0.000
Gravels			0.016	0.021

PART – C

POLLUTION DISCHARGED TO ENVIRONMENT/ UNIT OF OUTPUT				
Pollutants	Quantity of Pollutants discharged (mass/day))	Concentration of Pollutants in discharges (mass/volume)	Permissible Standards of Limit	Percentage of variation from Prescribed Standard with reason
Water	<u>Zero Liquid Discharge</u> I) Plant waste water is treated and recycled for slag cooling, dust suppression. II) Sanitary effluent is treated in septic tanks and soaks pits. III) Canteen waste is treated in oil water	pH: 7.11, TSS: 32.0 mg/l, COD: 94.0 mg/l, BOD: 24.0 mg/l, Oil & Grease: 4.8 mg/l.	pH: 5.5 – 9.0, TSS: 100 mg/l, COD: 250 mg/l, BOD: 30 mg/l, Oil & Grease: 10 mg/l.	• All parameters are lower than the standard.

PART - E

SOLID WASTES

SOLID WASTES		TOTAL QUANTITY (Ton)	
		During the previous Financial Year (Apr 20 - Mar 21)	During the Financial Year (Apr 21 - Mar 22) MT
a.	From Process: Granulated Slag	83469.79	78940
b.	From Pollution Control Facility: Flue Dust	3061.14	2759
c.	1. Qty. recycled or reutilize within the unit: Flue Dust	2651.81	2681
	2. Sold: Granulated Slag	82790.79	78599.38
	3. Disposed	Nil	Nil

PART - F

Please specify the characterization (In terms of quantum and consumption of hazardous as well as solid wastes). And indicate disposal practice adapted for both these categories of wastes.

HAZARDOUS WASTES: Used Oil, Spent Oil Exchange Resin and DG set Filter.

METHOD OF DISPOSAL:

Used Oil sent to authorized recyclers and Spent Oil Exchange Resin and DG set Filter disposed to CHWTSDF.

SOLID WASTES: MBF Slag and Flue Dust.

METHOD OF DISPOSAL:

Granulated slag- 78599.38 ton is sold to cement industry for making of Portland Slag Cement.

Flue Dust- 2681 ton is reutilized in-house sinter making process.

PART – G

Impact of Pollution abatement measure taken on conservation of natural resources and on the cost of production.

1. Sinter Cooler Waste Heat is being initiated for Coke drying purpose.
2. In Boiler- Economizer & Air Pre Heater (APH) are being used to recover Waste Heat from Flue Gas.
3. Recuperator is being used for heat recovery from flue gas and using for stove heating purpose.
4. Steam trapped plug to restrict the leakages in WHRB.
5. The technology for pulverized Coal Injection to MBF has been commission in the FY 2021-22.
6. Approx. 3000 nos. fast growing saplings planted around the plant boundary for the FY: 2021-22.

PART - H

Additional measures / investment proposal for environmental protection abatement of pollution, prevention of pollution.

1. Neo Metaliks Ltd. (Durgapur Works) is certified ISO 9001:2015 standard. We have also initiated for ISO 14001:2015 & ISO 45001:2018.
2. Surface Water harvesting reservoir & Roof top rain water harvesting sumps are made and accumulated rain water being used for cooling & dust suppression etc. purpose.
3. Mobile water sprinkling system adopted for arresting fugitive emission and localized the fixed water sprinkler at the raw material loading/unloading areas. Water Fog Cannon has also been commissioned at Raw Material Handling Section.
4. Internal roads are cemented and covered with paver blocks for controlling the fugitive emission due to vehicle movement.

PART - I

Any other particulars for improving the quality of environment

Plantation is our ongoing process. We increasing green barrier surrounding of plant and nearby localities every year