

Ref. MSPL-I/ ENV_Statement / 2021-2022

Date: 25-Sept -2021

To,
The Member Secretary,
West Bengal pollution control Board
Parivesh Bhawan
10A, Block LA, Sector - III, Salt Lake City
Kolkata- 700 098



**Sub. Environmental Statement for the Financial Year ending the 31st March, 2021
Submitted by M/s Maithan Steel & Power Limited (Unit-I)**

Dear Sir,

With reference to the above subject matters, we hereby enclosed the Environmental statement for the financial year ending the 31st March 2021 as per rule - 14, Form - V for your ready reference.

So, kindly acknowledge the same.

Thanking you

For, M/s Maithan Steel & Power Limited (Unit-I)

Authorized Signatory

Encl. Stated as above

Registered Office:

9, A.J.C. Bose Road, Ideal Centre,
6th Floor, Kolkata - 700 017,

+91 33 4085 7200

CIN: U27102WB2001PLC093321

Works: Unit-I

P.O. Bonra, P.S.: Neturia - 723121,
Dist.: Purulia, (WB)

Works: Unit-II

Chittaranjan Road, Dendua More,
P.O. & P.S.: Salanpur - 713357,
Dist.: Paschim Bardhaman (WB)

www.maithansteel.com

8651540007

Environmental Statement for the Financial Year 2020-2021

FORM-V

Factory address:

M/s Maithan Steel & Power Limited (unit-I)
P.O-Bonra, P.S-Neturia,
Dist. – Purulia, Pin-723121, West Bengal



WEST BENGAL POLLUTION CONTROL BOARD

FORM V

(See Rule 14)

Environmental Statement for the financial year ending on 31st March on or before 30th of September every year.

PART A

- (i) Name and address of the owner/ occupier of the industry operation or process : Madhur Agarwalla
- (ii) Industry category Primary-(STC Code) : RED, Iron & Steel (involving processing from ore/ integrated steel plants) and or
Secondary-(STC Code) : Sponge Iron units
- (iii) Production capacity : 52800 Tonnes
- (iv) Year of establishment : 2022
- (v) Date of the last environment statement submitted :

PART B

1. Water consumption m³/ d
Process : 00
Cooling : 98
Domestic : 4

Name of products	Process water consumption per unit of product output	
	During the previous financial year	During the current financial year
Sponge Iron	00	00

2. Raw material consumption

Name of raw materials	Name of products	Consumption of raw material per unit	
		During the previous financial year	During the current financial year
Dolomite	Sponge Iron	--	0.07
Iron Ore/Pellets	Sponge Iron	2.11	1.88
Coal	Sponge Iron	1.3	0.79

*Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw material used.

PART C

Pollution discharged to environment/ unit of output.

Pollution	Quantity of pollutants discharged(mass/day)	Concentration of pollutants in discharges(mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	N.A	N.A	N.A
(a) Air	63.46 Kg/day	55.57 Mg/Nm ³	Within the limit as per CFO awarded from WBPCB & MoEF&CC, New Delhi/CPCB Notification

PART D Hazardous Wastes

(as specified under Hazardous Wastes (Management and Handling) Rules, 1989)

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
(a) From process	179	154.9
(b) From pollution control facilities	--	--

PART E Solid Wastes

	Total Quantity	
	During the previous financial year	During the current financial year
(a) From process	14534800	14648500
(b) From pollution control facility	1960000	2034500
(c)(1) Quantity recycled or re-utilised within the unit	--	--
(2) Sold	--	--
(3) Disposed	16494800	16683000

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 these categories of wastes Used Oil/Waste Oil (Rule 5.1)-151 Kg & Cotton waste/Jute containing Oil (Rule-5.2)-3.9 Kg.

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production APC dust is used for land filling purposes at abandoned mine pits & Coalchar is sent to Power Plant .

PART H

Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution We are adopting the 'Zero Water Discharge' philosophy for our day to day plant operation .

PART I

Any other particulars for improving the quality of the environment Constant efforts will be made in making use of the updated technologies .

**[FORM - V]
(Rule - 14)**

Environmental Statement for the financial year ending the 31st March 2021

PART - A

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

Registered & Corporate office address:

**Mr. Madhur Agarwalla
Director**

M/s Maithan Steel & Power Limited

9, AJC Bose Road,
6th Floor, Kolkata
Pin-700017, West Bengal

Factory address / location:

M/s Maithan Steel & Power Limited (Unit-I)

P.O-Bonra, P.S-Neturia,
Dist -Purulia, Pin-723121
West Bengal

- ii. **Industry category**

Red Category

- iii. **Production Capacity**

Sl. No.	Name of the Product	Production Capacity
1	Sponge Iron	5,000 TPM

IV. Year of Establishment: Year of 2003

V. Date of the last Environmental Statement submitted: 12th March, 2021

PART - B

(i) Water and River Material Consumption

(1) Water consumption (m³/Day): 102 KLD

(2) Process: NIL

(3) Cooling: 98 KLD

(4) Domestic: 4 KLD

Name of the Products	Process Water consumption per unit of product output (m ³ /day)	
	During Financial year- 2019-2020	During Financial year- 2020-2021
Sponge Iron	--	--

(ii) Raw Materials Consumption:

Name of Raw Materials	Name of Products	Consumption of Raw Materials per unit of Output	Consumption of Raw Materials per unit of Output
		During current Financial year (2019-2020)	During current Financial year (2020-2021)

Iron Ore/Pellets	Sponge Iron	2.11	1.88
Coal		1.3	0.79
Dolomite		--	0.07

PART - C

(Pollution discharged to environment / unit of output (Parameter as specified in the consent issued))

A. Water Pollution:

Pollutants	Quantity of pollutants discharged (mass / day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
NIL	<p>As the industry is being operated on dry process technology, no liquid effluent is generated from the manufacturing process.</p> <p>However, the waste water generated during the cooling, spraying etc.. Clean water is used for preventive the fugitive emission and Green Belt development after conformity with the CPCB guideline.</p> <p>Domestic waste water generated from residential colony and office toilets is treated by septic tank and Soak pits.</p>		

B. Air Pollution:

Pollutant Type: - Particular Matter

Source of Pollutants	Quantity of pollutants discharged (mass / day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
Steel Melting Shop			
i. Rotary Kiln 1 & 2 (2 x 100 TPD DRI)	63.46 Kg/day	55.57 mg/Nm ³	<p>Within the limit as per CFO warded from WBPCB & MoEF /CPCB Notification</p> <p>The analysis report is enclosed as Annexure-I.</p>
ii. Intermediate Bin	6.22 Kg/day	38.28 mg/Nm ³	
iii. Product House	6.88 Kg/day	41.19 mg/Nm ³	
iv. Cooler Discharge	5.65 Kg/day	48.24 mg/Nm ³	

PART - D

Hazardous Waste

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

Hazardous Waste	Total Quantity (Kg)	
	During the Current Financial Year (2019-2020)	During the Current Financial Year (2020-2021)
From Process	For Liquid (Hazardous) : 0.178 Tonne For Solid (Hazardous) : 0.001 Tonne	For Liquid (Hazardous): 0.151 Tonne For Solid (Hazardous) : 0.0039 Tonne
From Pollution control facilities	None	None

PART - E

Solid Waste

		Total Quantity	Total Quantity	
		During the Current Financial Year (2019-2020)	During the Current Financial Year (2020-2021)	
A	From Process		14,534.8 TPA	14,648.5 TPA
B	From Pollution control facilities		1,960 TPA	2,034.5 TPA
C	1	Quantity recycled or re-utilized within unit	---	---
	2	Disposed	16,494.8 TPA	16,683 TPA

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.

Sr. No.	Name of the Hazardous waste	Quantity per Annam
1	Used Oil/ Waste Oil (Rule 5.1)	0.151 Metric Tonne
3	Cotton waste / Jute containing Oil (Rule - 5.2)	0.0039 Metric Tonne

Waste oil is sent to WBPCB authorized vendor and Cotton waste/jute containing oil is CHWSTDF.

Organic bio-degradable solid wastes are 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 have adopting some good manufacturing practice for betterment of plant environment like:

1. APC dust is used for land filling purposes at abandoned mine pits.
2. Coalchar is sent to Power Plant.

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 – Recycle – Reuse the water. We are also adopting the Rain water harvesting and roof top 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 of employees in various aspects of pollution control activities of the plant, programmes 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 neighbouring areas.

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

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