

Ref. MSPL-II/ 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-II)**

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-II)

Authorized Signatory

Encl. Stated as above

Registered Office:

A.J.C. Bose Road, Ideal Centre,
1 Floor, Kolkata - 700 017,
+91 33 4085 7200

Id: 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-II)
Mouza-Nakrajoria, Chittaranjan Road
P.O+P.S-Salanpur, Dist-Paschim Bardhaman, 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 : Kaushal Agarwalla
- (ii) Industry category Primary-(STC Code) : RED, Steel and steel products using various furnaces like blast furnace /open hearth
Secondary-(STC Code) : furnace/induction furnace/arc furnace/submerged arc furnace /basic oxygen furnace[industry attracting EIA(NOTIFICATION)2006 as amended]
- (iii) Production capacity : 198000 Tonnes
- (iv) Year of establishment : 2021
- (v) Date of the last environment statement submitted :

PART B

1. Water consumption m³/ d

Process : 00

Cooling : 437

Domestic : 4

Name of products	Process water consumption per unit of product output	
	During the previous financial year	During the current financial year
M.S. Billets	00	00
TMT bars, MS Round	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
Sponge Iron	MS Billets	--	0.844
Iron & Steel Scrap	MS Billets	--	0.322
Silico-Manganese	MS Billets	--	0.008
Billets	TMT Bars	--	1.039
Wire Rod	Cold Rolled Products	--	1.017

*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	20.66 Kg/day	40.50 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	--	115
(b) From pollution control facilities	--	--

PART E

Solid Wastes

	Total Quantity	
	During the previous financial year	During the current financial year
(a) From process	--	28107000
(b) From pollution control facility	--	--
(c)(1) Quantity recycled or re-utilised within the unit	--	4216000
(2) Sold	--	--
(3) Disposed	--	23891000

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)-102 Kg & Cotton waste/Jute containing Oil (Rule-5.2)-13 Kg.

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production SMS Slags are using for land filling after recovering valuable metal .

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

Mr. Kaushal Agarwalla
Director

Registered & Corporate office address:

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-II)

Mouza-Nakrajoria, Chittaranjan Road

P.O+P.S-Salanpur, Dist-Paschim Bardhaman

Pin-713357, West Bengal

- ii. **Industry category**

Red Category

- iii. **Production Capacity**

Sl. No.	Name of the Product	Production Capacity
1	M.S. Billets	1,83,000 TPA
2	TMT Bar	1,98,000 TPA
3	Cold Rolled Product	33,000 TPA

IV. Year of Establishment: Year of 2008

V. Date of the last Environmental Statement submitted: ----

PART - B

(i) Water and River Material Consumption

(1) Water consumption (m³/Day): 441 KLD

(2) Process: NIL

(3) Cooling: 437 KLD

(4) Domestic: 4 KLD

Name of the Products	Process Water consumption per unit of product output
	During Financial year- 2020-2021
M.S Billets	--
TMT Bars, MS Round	--

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

(ii) Raw Materials Consumption:

Name of Raw Materials	Name of Products	Consumption of Raw Materials per unit of Output
		During current Financial year (2020-2021)
Sponge Iron	MS Billets	0.844
Iron & Steel Scrap		0.322
Silico-Manganese		0.008
Billet	TMT Bars	1.039
Wire Rod	Cold Rolled Products	1.017

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 reused for dust suppression and green belt development after treating treated in Sewage Treatment Plant.</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. 4 x 15 T I.F. with matching LRF	20.66 Kg/day	40.50 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>

PART - D**Hazardous Waste**

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

Hazardous Waste	Total Quantity (Metric Tonne)
	During the Current Financial Year (2020-2021)
From Process	<p>For Liquid (Hazardous): 0.102 Metric Tonne</p> <p>For Solid (Hazardous) : 0.013 Metric Tonne</p>
From Pollution control facilities	None

PART - E

Solid Waste

		Total Quantity	
		During the Current Financial Year (2020-2021)	
A	From Process	28,107 TPA	
B	From Pollution control facilities		
C	1	Quantity recycled or re-utilized within unit	4,216 TPA
	2	Disposed	23,891 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)	0.102 Metric Tonne
2	Cotton waste / Jute containing Oil (Rule - 5.2)	0.013 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. SMS slag are using for land filling after recovering valuable metal.

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 schemes for minimizing the surface water/ground water use 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.



Eco Care



Phone : (0341) 2252011
Fax : (0341) 2252011

Specialised House on Environmental Monitoring, Analysis, Assessment & Management
ISO 9001 : 2015 Certified, OHSAS 18001:2007 Certified

E-mail : ecocareasansol@rediffmail.com
Manoj Talkies Basement, Kumarpur
ASANSOL-713304 (W.B.)

ULR NO - TC51092000000480F

Format No. : EC/TRT/42/FM/01

TEST REPORT

Report Release Date : 16.05.2020	Sample Ref. No.(ARF) : EC/ARF/29/200550
Test Report No : EC/TR/42/05250	Source of Sample : Rolling Mill
Type of Sample : Dust & Gaseous Emission	Sampling Date : 11.05.2020
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 13.05.2020
Sample Details : Stack Emission	Sampling Location : Bag Filter Stack
Name & Address : Maithan Steel & Power Limited (Unit - II) Mouza - Nakrajoria P.O & P.S - Salanpur Dist - Paschim Barddhaman West Bengal Pin No - 713357	Sample Condition : Sealed Sample Stamped as : TH - 24 Sample Drawn By : ECO CARE Sampling Plan & Procedure : EC/SOP/03/01
	Remarks : ---- Deviation if any : None

GENERAL INFORMATION

1 Particular of the Plant	: Rolling Mill
2 Emission Due to	: Process Activity
3 Stack Connected to	: Bag Filter via Induction Furnace No. 1,2 & 3
4 Material of Construction	: M.S
5 Stack Height from G.L.	: 30.0 m
6 Height of Sampling Port from G.L.	: 20.0 m
7 Height of Sampling Port from L.D.Z.	: ----
8 Dimension of Stack at Sampling Port	: 1.20 m
9 Shape of the Stack	: Circular Ø
10 Working Load	: 15.0 MT/Batch

FUEL CHARACTERISTIC REPORT

1 Source of Energy	: Electricity
2 Energy Consumption	: ----
3 Calorific Value (K-Cal/Kg)	: ----

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

		Method
1 Flue Gas Temperature	52 °C	IS 11255 : Part 3
2 Barometric Pressure	753 mm Hg	IS 11255 : Part 3
3 Velocity of Flue Gas	6.23 m/sec	IS 11255 : Part 3
4 Flue Gas Quantity	23048 NM ³ /hr	IS 11255 : Part 3
5 Concentration of Particulate Matter	37.24 mg/NM ³	IS 11255 : Part 1
6 Concentration of Carbon Dioxide	2.6 %	IS 13270
7 Concentration of SO ₂	----	IS 11255 : Part 2
8 Concentration of NO _x	----	IS 11255 : Part 7

1. Test values are reported based on the samples received.
2. Sample(s) will be destroyed after 7 days from date of issues of the Test Report subject to nature of Preservation. Sample will be preserved as per the standard method.
3. The Test report shall not be reproduced, without the written approval of laboratory

(Signature)

Authorised Signatory
NIRANJAN LAL AGARWALLA
B.Tech MS (USA), A.M.I.E.
Scientist & Chief Executive