

MAITHAN STEEL & POWER LIMITED



Ref: MSPL-I/ ENV_Statement / 2023-24

Date: -05th Oct -2024

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

Subject: Environmental Statement for the Financial Year 2023-2024 for M/s Maithan Steel & Power Limited (Unit-I), located at Vill & PO – Bonra, PS – Neturia, Dist – Purulia, West Bengal.

Respected Sir,

This has reference to the captioned subject. Please find enclosed the 'Environmental Statement' of M/s Maithan Steel & Power Limited (Unit I) for the FY:2023 – 2024 duly filled in prescribed format, is enclosed for your kind consideration.

Thanking you

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

Authorized Signatory

Encl. Stated as above

Copy to:

1. Environmental Engineer & In charge, Asansol Regional Office, West Bengal Pollution Control Board,
Dr. BC Roy Sarani, Kalyanpur Satellite Township, Asansol - 713302

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 2023-2024

(FORM-V)



Factory Address:

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

D. N. Sharma, D. C. Mishra



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, Iron & Steel (involving processing from ore/ integrated steel plants) and or
Secondary-(STC Code) : Sponge Iron units
- (iii) Production capacity : 56946 Tonnes
- (iv) Year of establishment : 2024
- (v) Date of the last environment statement submitted :

PART B

1. Water consumption m³/ d

Process : Nil

Cooling : 300

Domestic : 3

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

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
Iron Ore / Pellets	Sponge Iron / DRI	2.42 TPA	0.1007 TPA
Coal	Sponge Iron / DRI	1.212 TPA	0.0655 TPA
Dolomite	Sponge Iron / DRI	0.065 TPA	0.00294 TPA

*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

/ution 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	NA	Nil	Nil
(a) Air	43.63 Kg/day	99.19	Within the limit as per the CTO awarded from WBPCB & MoEF/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	109 kg	122 kg
(b) From pollution control facilities	00	00

PART E

Solid Wastes

	Total Quantity	
	During the previous financial year	During the current financial year
(a) From process	16900000	15886000
(b) From pollution control facility	2300000	2200000
(c)(1) Quantity recycled or re-utilised within the unit		
(2) Sold		
(3) Disposed	19200000	18086000

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 (1) Used Oil / Waste Oil (Rule-5.1): 122 kg (2) Cotton Waste / Jute Containing Oil (Rule-5.2) : 1 kg (Waste Oil is sent to WBPCB authorised vendor and Cotton waste is sent to CHWSTDF, Organic biodegradable solid wastes are used for organic manure creation and used for Green belt development purpose).

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production We have adopted some good manufacturing practices for betterment of plant environment like; (1) APC dust is used for landfilling purposes at abandoned mine pits, (2) Dolochar 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 i.e. Reduce – Recycle – Reuse the water. We are also adopting the Rain water harvesting and roof top rain water

ing (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 particulars 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. .



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PART I

Any other particulars 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. .



ANNEXURE - I

(Copy of Stack Monitoring Report)





Phone : (0341) 2252011

Email : ecocareasansol@rediffmail.com

Manoj Talkies Basement, Kumarpur

Asansol - 713304

Dist. Paschim Bardhaman (W.B.)

Specialised House on Environmental Monitoring, Analysis, Assessment & Management
ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

ULR NO - TC510923000000509F

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

TEST REPORT

Report Release Date	: 03.04.2023	Sample Ref. No (ART)	: EC/ARF/29/230321
Test Report No	: EC TR 42/03035	Source of Sample	: Sponge Iron Plant
Type of Sample	: Dust & Gaseous Emission	Sampling Date	: 27.03.2023
Sample Collected by	: Mr. Sumit Sarkar & Team	Period of Analysis	: 29.03.2023
Sample Details	: Stack Emission	Sampling Location	: ESP Stack
Name & Address	: Maithan Steel & Power Limited (Unit - I) Vill + P.O - Bonra, P.S - Neturia Dist - Purulia West Bengal - 723121	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: TH - 230
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Remarks	: ---
		Deviation if any	: None

GENERAL INFORMATION

1	Particular of the Plant	: Sponge Iron Plant
2	Emission Due to	: Reduction of Iron Ore & Oxidation of Coal
3	Stack Connected to	: Rotary Kiln No. 1 & 2 (100 TPDx2) Both in Operation
4	Material of Construction	: M.S
5	Stack Height from G.L.	: 33.0 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	: 1.80 m
9	Shape of the Stack	: Circular Ø
10	Working Load	: Iron Ore - 6.2 MT/hr each kiln

FUEL CHARACTERISTIC REPORT

1	Source of Energy	: Coal, As Reducing Agent
2	Energy Consumption	: Coal - 4.0 MT/hr each kiln
3	Calorific Value (K-Cal/Kg)	: ---

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

Method

1	Flue Gas Temperature	132 °C	IS 11255 : Part 3
2	Barometric Pressure	752 mm Hg	IS 11255 : Part 3
3	Velocity of Flue Gas	7.25 m/sec	IS 11255 : Part 3
4	Flue Gas Quantity	48347 Nm ³ /hr	IS 11255 : Part 3
5	Concentration of Particulate Matter	26.14 mg/Nm ³	IS 11255 : Part 1
6	Concentration of Carbon Dioxide	8.8 %	IS 13270
7	Concentration of SO ₂	111.75 mg/Nm ³	IS 11255 : Part 2
8	Concentration of NO _x	62.16 mg/Nm ³	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

Authorised Signatory

Dr. Mousumi Pal
Ph.D. (Env.), Scientist
Authorised Signatory





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Certificate No. TC-5109

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ULR NO - TC510923000000507F

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

TEST REPORT

Report Release Date	: 03.04.2023	Sample Ref. No.(ARF)	: EC/ARF/29/230321
Test Report No	: EC/TR/42/03033	Source of Sample	: Sponge Iron Plant
Type of Sample	: Dust & Gaseous Emission	Sampling Date	: 27.03.2023
Sample Collected by	: Mr. Sumit Sarkar & Team	Period of Analysis	: 29.03.2023
Sample Details	: Stack Emission	Sampling Location	: Bag Filter Stack
Name & Address	: Maithan Steel & Power Limited (Unit - I) Vill + P.O - Bonra, P.S - Neturia Dist - Purulia West Bengal - 723121	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: TH - 228
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Remarks	: ----
		Deviation if any	: None

GENERAL INFORMATION

1	Particular of the Plant	: Sponge Iron Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: Bag Filter at Cooler Discharge
4	Material of Construction	: M.S
5	Stack Height from G.L.	: 25.0 m
6	Height of Sampling Port from G.L.	: 15.0 m
7	Height of Sampling Port from L.D.Z.	: ----
8	Dimension of Stack at Sampling Port	: 0.50 m
9	Shape of the Stack	: Circular O
10	Working Load	: 100 TPD x 2

FUEL CHARACTERISTIC REPORT

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

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

		Method
1	Flue Gas Temperature	49 °C
2	Barometric Pressure	752 mm Hg
3	Velocity of Flue Gas	7.51 m/sec
4	Flue Gas Quantity	4868 Nm ³ /hr
5	Concentration of Particulate Matter	20.64 mg/Nm ³
6	Concentration of Carbon Dioxide	----
7	Concentration of SO ₂	----
8	Concentration of NO _x	----

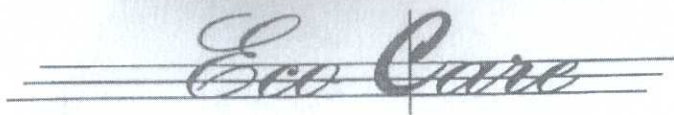
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Authorised Signatory

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ULR NO - TC510923000000508F

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

TEST REPORT

Report Release Date	: 03.04.2023	Sample Ref. No.(ARF)	: EC/ARF/29/230321
Test Report No	: EC/TR/42/03034	Source of Sample	: Sponge Iron Plant
Type of Sample	: Dust & Gaseous Emission	Sampling Date	: 27.03.2023
Sample Collected by	: Mr. Sumit Sarkar & Team	Period of Analysis	: 29.03.2023
Sample Details	: Stack Emission	Sampling Location	: Bag Filter Stack
Name & Address	: Maithan Steel & Power Limited (Unit - I) Vill + P.O - Bonra, P.S - Neturia Dist - Purulia West Bengal - 723121	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: TH - 229
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Remarks	: ----
		Deviation if any	: None

GENERAL INFORMATION

1	Particular of the Plant	: Sponge Iron Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: Bag Filter at I-Bin (Intermediate Bin)
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	: 0.60 m
9	Shape of the Stack	: Circular Ø
10	Working Load	: ----

FUEL CHARACTERISTIC REPORT

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

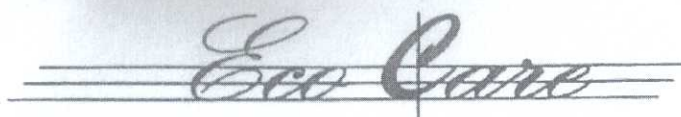
RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

		Method
1	Flue Gas Temperature	42 °C
2	Barometric Pressure	752 mm Hg
3	Velocity of Flue Gas	6.82 m/sec
4	Flue Gas Quantity	6506 Nm ³ /hr
5	Concentration of Particulate Matter	24.75 mg/Nm ³
6	Concentration of Carbon Dioxide	----
7	Concentration of SO ₂	----
8	Concentration of NO _x	----

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ULR NO - TC510923000000510F

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

TEST REPORT

Report Release Date	: 03.04.2023	Sample Ref. No (ARF)	: EC-ARF-29-230321
Test Report No	: EC/TR/42/03036	Source of Sample	: Sponge Iron Plant
Type of Sample	: Dust & Gaseous Emission	Sampling Date	: 27.03.2023
Sample Collected by	: Mr. Sumit Sarkar & Team	Period of Analysis	: 29.03.2023
Sample Details	: Stack Emission	Sampling Location	: Bag Filter Stack
Name & Address	: Maithan Steel & Power Limited (Unit - I) Vill - P.O - Bonra, P.S - Neturia Dist - Purulia West Bengal - 723121	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: TH - 231
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Remarks	: ---
		Deviation if any	: None

GENERAL INFORMATION

1	Particular of the Plant	: Sponge Iron Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: Bag Filter at Product House
4	Material of Construction	: M.S
5	Stack Height from G.L.	: 24.38 m
6	Height of Sampling Port from G.L.	: 7.62 m
7	Height of Sampling Port from L.D.Z.	: ---
8	Dimension of Stack at Sampling Port	: 0.60 m
9	Shape of the Stack	: Circular Ø
10	Working Load	: 100 TPD x 2

FUEL CHARACTERISTIC REPORT

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

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

		Method
1	Flue Gas Temperature	40 °C
2	Barometric Pressure	752 mm Hg
3	Velocity of Flue Gas	6.99 m/sec
4	Flue Gas Quantity	6708 Nm ³ /hr
5	Concentration of Particulate Matter	16.94 mg/Nm ³
6	Concentration of Carbon Dioxide	---
7	Concentration of SO ₂	---
8	Concentration of NO _x	---

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ULR NO - TC510923000001078F

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

TEST REPORT

Report Release Date	: 14.09.2023	Sample Ref. No.(ARF)	: EC/ARF/29/230908
Test Report No	: EC/TR/42/09010	Source of Sample	: Sponge Iron Plant
Type of Sample	: Dust & Gaseous Emission	Sampling Date	: 08.09.2023
Sample Collected by	: Mr. Sumit Sarkar & Team	Period of Analysis	: 11.09.2023
Sample Details	: Stack Emission	Sampling Location	: ESP Stack
Name & Address	: Maithan Steel & Power Limited (Unit - I) Vill + PO - Bonra, PS - Neturia Dist - Purulia West Bengal - 723121	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: TH - 43
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Remarks	: ---
		Deviation if any	: None

GENERAL INFORMATION

1	Particular of the Plant	: Sponge Iron Plant
2	Emission Due to	: Reduction of Iron Ore & Oxidation of Coal
3	Stack Connected to	: Rotary Kiln No. 1 & 2 (2x100 TPD) Both in Operation
4	Material of Construction	: M.S
5	Stack Height from G.L.	: 33.0 m
6	Height of Sampling Port from G.L.	: 20.0 m
7	Height of Sampling Port from L.D.Z.	: ---
8	Diameter of Stack at Sampling Port	: 1.80 m
9	Shape of the Stack	: Circular Ø
10	Working Load	: Iron Ore - 6.2 MT/hr each kiln

FUEL CHARACTERISTIC REPORT

1	Source of Energy	: Coal, As Reducing Agent
2	Energy Consumption	: Coal - 4.0 MT/hr each kiln
3	Calorific Value (K-Cal/Kg)	: ---

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

Method

1	Flue Gas Temperature	123°C	IS 11255 : Part 3
2	Barometric Pressure	755 mm Hg	IS 11255 : Part 3
3	Velocity of Flue Gas	7.22 m/sec	IS 11255 : Part 3
4	Flue Gas Quantity	49411 Nm ³ /hr	IS 11255 : Part 3
5	Concentration of Particulate Matter	31.18 mg/Nm ³	IS 11255 : Part 1
6	Concentration of Carbon Dioxide	8.8 %	IS 13270
7	Concentration of SO ₂	111.41 mg/Nm ³	IS 11255 : Part 2
8	Concentration of NO _x	58.14 mg/Nm ³	IS 11255 : Part 7

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ULR NO - TC510923000001079F

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

TEST REPORT

Report Release Date	: 14.09.2023	Sample Ref. No.(ARF)	: EC/ARF/29/230908
Test Report No	: EC/TR/42/09011	Source of Sample	: Sponge Iron Plant
Type of Sample	: Dust & Gaseous Emission	Sampling Date	: 08.09.2023
Sample Collected by	: Mr. Sumit Sarkar & Team	Period of Analysis	: 11.09.2023
Sample Details	: Stack Emission	Sampling Location	: Bag Filter Stack
Name & Address	: Maithan Steel & Power Limited (Unit - I) Vill + PO - Bonra, PS - Neturia Dist - Purulia West Bengal - 723121	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: TH - 44
		Sample Drawn By	: ECO CARE
		Sampling Plan &	
		Procedure	: EC/SOP/03/01
		Remarks	: ----
		Deviation if any	: None

GENERAL INFORMATION

1	Particular of the Plant	: Sponge Iron Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: Bag Filter at I-Bin (Intermediate Bin)
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	Diameter of Stack at Sampling Port	: 0.60 m
9	Shape of the Stack	: Circular Ø
10	Working Load	: ----

FUEL CHARACTERISTIC REPORT

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

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

		Method
1	Flue Gas Temperature	42°C
2	Barometric Pressure	755 mm Hg
3	Velocity of Flue Gas	6.37 m/sec
4	Flue Gas Quantity	6049 Nm ³ /hr
5	Concentration of Particulate Matter	28.33 mg/Nm ³
6	Concentration of Carbon Dioxide	----
7	Concentration of SO ₂	IS 13270
8	Concentration of NO _x	IS 11255 : Part 2
		IS 11255 : Part 7

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Manoj Talkies Basement, Kumarpur
Asansol - 713304
Dist. Paschim Bardhaman (W.B.)

ULR NO - TC510923000001080F

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

TEST REPORT

Report Release Date	: 14.09.2023	Sample Ref. No.(ARF)	: EC/ARF/29/230908
Test Report No	: EC/TR/42/09012	Source of Sample	: Sponge Iron Plant
Type of Sample	: Dust & Gaseous Emission	Sampling Date	: 08.09.2023
Sample Collected by	: Mr. Sumit Sarkar & Team	Period of Analysis	: 11.09.2023
Sample Details	: Stack Emission	Sampling Location	: Bag Filter Stack
Name & Address	: Maithan Steel & Power Limited (Unit - I) Vill + PO - Bonra, PS - Neturia Dist - Purulia West Bengal - 723121	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: TH - 45
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Remarks	: ---
		Deviation if any	: None

GENERAL INFORMATION

1	Particular of the Plant	: Sponge Iron Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: Bag Filter at Cooler Discharge
4	Material of Construction	: M.S
5	Stack Height from G.L.	: 25.0 m
6	Height of Sampling Port from G.L.	: 15.0 m
7	Height of Sampling Port from L.D.Z.	: ---
8	Diameter of Stack at Sampling Port	: 0.55 m
9	Shape of the Stack	: Circular Ø
10	Working Load	: 2x100 TPD

FUEL CHARACTERISTIC REPORT

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

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

		Method
1	Flue Gas Temperature	46°C
2	Barometric Pressure	755 mm Hg
3	Velocity of Flue Gas	6.50 m/sec
4	Flue Gas Quantity	5111 Nm ³ /hr
5	Concentration of Particulate Matter	26.05 mg/Nm ³
6	Concentration of Carbon Dioxide	---
7	Concentration of SO ₂	---
8	Concentration of NO _x	---

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Specialised House on Environmental Monitoring, Analysis, Assessment & Management

ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

Manoj Talkies Basement, Kumarpur

Asansol - 713304

Dist. Paschim Bardhaman (W.B.)

ULR NO - TC510923000001081F

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

TEST REPORT

Report Release Date	: 14.09.2023	Sample Ref. No.(ARF)	: EC/ARF/29/230908
Test Report No	: EC/TR/42/09013	Source of Sample	: Sponge Iron Plant
Type of Sample	: Dust & Gaseous Emission	Sampling Date	: 08.09.2023
Sample Collected by	: Mr. Sumit Sarkar & Team	Period of Analysis	: 11.09.2023
Sample Details	: Stack Emission	Sampling Location	: Bag Filter Stack
Name & Address	: Maithan Steel & Power Limited (Unit - I) Vill + PO - Bonra, PS - Neturia Dist - Purulia West Bengal - 723121	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: TH - 46
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Remarks	: ---
		Deviation if any	: None

GENERAL INFORMATION

1	Particular of the Plant	: Sponge Iron Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: Bag Filter at Product House
4	Material of Construction	: M.S
5	Stack Height from G.L.	: 24.38 m
6	Height of Sampling Port from G.L.	: 7.62 m
7	Height of Sampling Port from L.D.Z.	: ---
8	Diameter of Stack at Sampling Port	: 0.60 m
9	Shape of the Stack	: Circular Ø
10	Working Load	: 2x100 TPD

FUEL CHARACTERISTIC REPORT

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

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

		Method
1	Flue Gas Temperature	43°C
2	Barometric Pressure	755 mm Hg
3	Velocity of Flue Gas	6.70 m/sec
4	Flue Gas Quantity	6328 Nm ³ /hr
5	Concentration of Particulate Matter	24.36 mg/Nm ³
6	Concentration of Carbon Dioxide	---
7	Concentration of SO ₂	---
8	Concentration of NO _x	---
		IS 11255 : Part 3
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		IS 11255 : Part 1
		IS 13270
		IS 11255 : Part 2
		IS 11255 : Part 7

- Test values are reported based on the samples received.
- 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.
- The Test report shall not be reproduced, without the written approval of laboratory



Dr. Mousumi Pal

Authorised Signatory

Dr. Mousumi Pal
Ph.D.(Env.). Scientist
Authorised Signatory