

MSPL-I /WBPCB/ENV-Statement /2024-25

Date: 01.09.2025

To,

**The Member Secretary**

West Bengal Pollution Control Board

Paribesh Bhawan

10A, Block-LA, Sector – III

Bidhan Nagar, Kolkata - 7000106

**Sub: - Environmental Statement (Form-V) of M/s Maithan Steel & Power Ltd. (Unit-I) for the financial year 2024-25.**

*Ref: - MSPL Unit-I (OCMMS ID- WB0019071080), Consent letter No. WBPCB/4853105/2024 issued on dated 30.05.2024.*

Dear Sir,

This has reference to the above subject, we are submitting herewith **Environmental Statement (Form-V)** for **Unit-I** of **M/s Maithan Steel & Power Ltd.** located at Village – Bonra, PO & PS- Bonra, District- Purulia (West Bengal) for the period **April - 2024 to March - 2025.**

Kindly acknowledge receipt for the same.

Thanking you.

Yours faithfully,

For **Maithan Steel & Power Ltd. (Unit-I)**

**Madhur Agarwalla**  
(Director)

Encls: As above



CC:

**Regional Officer**

Kalyanpur Satellite Township Project (KSTP),

Dr. B.C. Roy Road,

P.O.-Dakshin Dhadka, Asansol,

Dist-Paschim Bardhaman, PIN-713 302.

**Registered Office:**

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

© 033-4849 8118

CIN: U27102WB2001PLC093321

**Works: Unit-I**

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

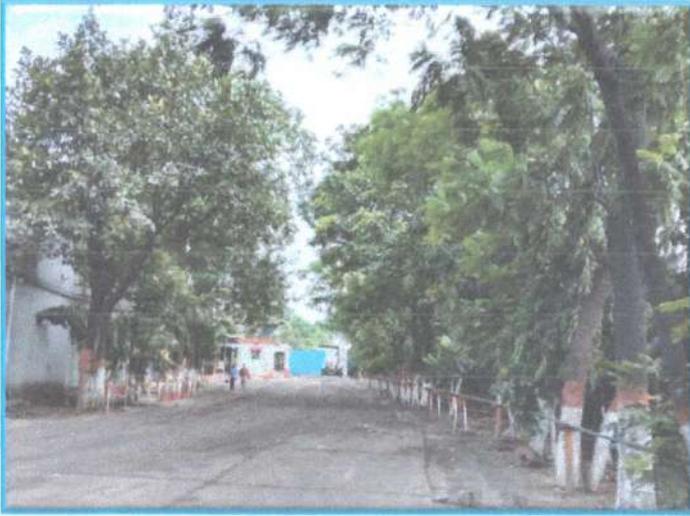
www.maithansteel.com

**Works: Unit-II**

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

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**ENVIRONMENTAL STATEMENT**  
**FOR THE YEAR: 2024-2025**  
**FORM-V**



**MAITHAN STEEL & POWER LIMITED (Unit-I)**  
**Vill & PO: Bonra, PS-Neturia**  
**District-Purulia, Pin-723121**

**Form- V**

{Rule14 of The Environment Protection Act, 1986}

**Environmental Statement for the period April 2024 to March 2025**

**Unit-I (OCMMS ID - WB0019071080)**

**Part-A**

(i) Name and address of the owner/occupier of the industry operation and process

**Mr. Mrityunjoy Chandra**  
**Director**

**Registered Office Address:**

**M/s Maithan Steel & Power Ltd. (Unit-I)**  
9, AJC Bose Road, 6<sup>th</sup> Floor  
Kolkata (W.B.)

**Factory Address:**

**M/s Maithan Steel & Power Ltd. (Unit-II)**  
Village – Bonra , PS- Neturia , District- Purulia (W.B.)

(ii) Industry category primary:- **Red**

(iii) **Production Capacity -**

Sr. No.	Name of Products	Capacity	Remarks
1.	Sponge Iron	1,72,000 TPA	Sponge iron can be produced either by iron ore or by pellets depending upon the market scenario. However, for raw material estimation we have considered 50% sponge iron production from pellet and another 50% sponge iron production from iron ore.
2.	Ferro Alloys	30,000 TPA	Ferroalloys Namely Fe-Mn, Si-Mn, Fe-Si and Pig iron have been proposed to be manufactured from 4x10.5 MVA Submerged Arc Furnace as per market demand. The production will therefore vary from time to time depending the product manufactured. But for estimation of raw material requirement, it is proposed to give equal weightage to all these four products.
3.	Captive Power	20 MW	20 MW (12 MW WHRB+8 MW AFBC)

(iv) Year of Establishment: **2003**

(v) Date of last Environment statement submitted: 05.10.2024.



## Part- B

### Water and Raw Material consumption

(i) Water consumption: m<sup>3</sup>/day

Process – NIL

Cooling- 748 m<sup>3</sup>/Day

Domestic- 50 m<sup>3</sup>/Day

Name of Products	Process Water Consumption per unit of product output	
	During the Previous Financial year	During the current financial year
Sponge Iron	---	0.96 KL/Ton
Ferro Alloys	---	1.11 KL/Ton
Captive Power (20 MW - 12 MW WHRB+8 MW AFBC)	---	1.71 KL / MW

\* Process water includes make up water requirement to replenish evaporation losses, drift losses and blow down from cooling tower to maintain the efficiency of plant operation.

### (ii) Raw material consumption-

Sr. No	Name of Raw Materials	Name of Products	Consumption of raw material per unit of output	
			During the previous financial year (2023-24)	During the current financial year (2024-25)
1	Iron Ore /	Sponge Iron	0.1007	0.831
2	Pellet		---	0.901
3	Coal		0.0655	1.113
4	Dolomite		0.00294	0.028
5	Coal	Power	---	0.348
6	Dolomite		---	0.479
7	Coke	Ferro Alloy	---	0.342
8	Coal		---	0.404
9	Mn ore		---	1.885
10	Quartz		---	0.401
11	Dolomite		---	0.029

- Month wise raw material consumption detail is enclosed as *Annexure-I*
- Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw material used.



Part – C

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

Pollution	Quantity of pollutants discharge (Mass/Day)	Concentration of pollutants in discharges (Mass/Volume)	Percentage of variation from prescribed standards with reasons
(a) Water	<p>Our Plant is 'zero liquid discharge'. Manufacturing process of DRI, Ferro Alloy and Power is dry process. Water is being utilized only for cooling purpose in DRI &amp; CPP plant. Blow down water from CPP cooling tower is reutilized in DRI plant. Only make up water is added. Domestic waste water of plants is treated in STP. Treated domestic wastewater is being reused in green belt development and dust suppression purposes.</p>		Results are well below the permissible limits.



(b) Air	Monitoring Results (Ambient Air, Stack Emission, Noise Level is enclosed as <i>Annexure-IIA, IIB &amp; IIC.</i>	Monitoring results are well below the permissible limits granted under CTO.
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Details of Emission from major stacks of the plant

Source of Pollutants	Pollutants Prescribed	Quantity of Pollution Discharged (mass /day)	Concentrations of pollutants in discharges (mass/volume)	% of variation from prescribed Standards with reasons
Rotary Kiln 3 (1X 350 TPD)	PM	78.76 Kg/ day	26.64 mg/Nm <sup>3</sup>	- 11.2 %
DRI-1 (100TPD) Product House	PM	1.408 Ton/Annum	23.40 mg/Nm <sup>3</sup>	-22.0 %
Cooler Discharge ( DRI-1 , 100 TPD)	PM	1.507 Ton/Annum	19.6 mg/Nm <sup>3</sup>	- 34.66 %
DRI-2 (350TPD) Cooler Discharge & Product House	PM	6.73 Ton/Annum	24.7 mg/Nm <sup>3</sup>	- 17.67%
DRI Coal Crusher	PM	1.054 Ton/Annum	25.8 mg/Nm <sup>3</sup>	- 14.0 %
CPP AFBC Boiler (30 TPH)	PM	14.76 Ton/Annum	22.90 mg/Nm <sup>3</sup>	- 23.67 %
Common Stack (SEAF 9 MVA X 2)	PM	17.98 Ton/Annum	20.70 mg/Nm <sup>3</sup>	-31.0 %

*\*Calculation is based on average stack emission during the period 2024-25.*

*Note : From the above table it is clearly depicted that pollution load is insignificant from various stationery source.*



**Part – D**

(As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)

Hazardous Waste	Total Quantity	
	During the previous financial year (2023-24)	During the current financial year (2024-25)
(a) From Process	122 Kg	Waste Oil -0.50 T Contaminated Cotton waste – 0.10 T
(b) From Pollution Control Facilities	Nil	Nil

*\*Waste oil is disposed off through CHWTSDF / authorized recyclers.*

**Part – E**

**Solid waste**

Solid waste	Total Quantity (Kg)	
	During the previous financial year (2023-24)	During the current financial Year (2024-25)
(a) From Process	<b>Dolochar - 15,886 T</b> generated dolochar from DRI process is 100% reused in CPP.	<b>Si-Mn Slag</b> - Slag is sent to Jigging plant where valuable ferro alloy material is separated from slag for reuse and post jigging is utilized for land filling purposes.  <b>Fe-Mn Slag-</b> 100% reused as raw material for Si-Mn production.  <b>Bed Ash</b> – Bed ash is disposed along with Fly Ash to dump in open cast mines and sold to cement manufacturer. (Please refer <b>Annexure – III</b> ). <b>Dolochar – 25,046 T</b> generated dolochar from DRI process is 100% reused in CPP.
(b) From Pollution Control Facilities	Nil	<b>Fly Ash – 13,137 Ton</b>
(c) (1) Quantity recycled or re-utilized within the unit	---	---
(2) Sold	--	---
(3) Disposed	Nil	<b>Fly Ash – 13,137 Ton</b>

Note: Closing stock as on date 31.03.2025: Nil.



**Quantity recycled or reutilized within the unit**

1. Industry has established Jigging Plant to separate valuable ferro alloy from slag. Reutilization of recovered metal from Ferro Alloy slag reduces the raw material consumption which results in natural resource conservation by the industry.
2. 100 % Fly Ash collected from air pollution control device (ESP) is being disposed off by sending it to cement manufactures (PO copy is annexed as **Annexure- IV**) as well as dumping at open cast mines (Letter from ECL is annexed as **Annexure- III**).

**Part F**

Please specify the characterizations (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of waste.

Sr. No.	Description of the Waste	Characteristics	Disposal Quantity (TPA)	Method of Disposal
<b>A. Solid Waste</b>				
1.	Dolochar	<b>Non-Hazardous</b>	25,046	Generated dolochar from DRI process is 100% reused in AFBC boiler (CPP).
2.	Fe-Mn slag	<b>Non-Hazardous</b>	---	100% reused as raw material for Si-Mn production.
3.	Si-Mn Slag	<b>Non-Hazardous</b>		Post jigging it is utilized for land filling purpose. Reutilization of recovered metal from Ferro Alloy slag reduces the raw material. consumption which results in natural resource conservation by the industry.
1.	Fly Ash	<b>Non-Hazardous</b>	13,127	Is being disposed off by sending it to cement manufactures (PO copy is annexed as <b>Annexure- IV</b> ) as well as dumping at open cast mines (Letter from ECL is annexed as <b>Annexure- III</b> ).
2.	Bed Ash	<b>Non-Hazardous</b>		
3.	Bag Filter Dust	<b>Non-Hazardous</b>	---	Utilized for land filling.



**B. Hazardous Waste**

Sr. No.	Name of Hazardous Waste	Quantity per Annum	Disposal
1.	Used /Waste oil (Sch.I/ 5.1)	1.0 MT	Waste oil sent to CHWSTDF for the year 2024-25.
2.	Oily Cotton Waste (Sch.I/ 5.2)	0.10 MT	Sent to CHWSTDF for the year 2024-25.

**C. Bio-degradable waste:** Bio-degradable solid wastes including Kitchen waste is composted and is used as manure/ bio-fertilizer in green belt development purposes.



				consumption which results in natural resource conservation by the industry.
5.	Dolochar	Non-Hazardous	---	100% reused in CPP.

**B. Hazardous Waste**

Sr. No.	Name of Hazardous Waste	Quantity per Annum	Disposal
1.	Used /Waste oil (Sch.I/ 5.1)	1.0 MT	Waste oil sent to CHWSTDF for the year 2024-25.
2.	Oily Cotton Waste (Sch.I/ 5.2)	0.10 MT	Sent to CHWSTDF for the year 2024-25.

**C. Bio-degradable waste:** Bio-degradable solid wastes including Kitchen waste is composted and is used as manure/ bio-fertilizer in green belt development purposes.



## Part – G

**Impact of pollution abatement measures taken on conservation of natural resources and on the cost of production.**

### **1. Natural Resource Conservation-**

- i) Reutilization of recovered metal from Ferro Alloy slag at Jigging plant reduces the raw material consumption which results in natural resource conservation by the industry. Rest of the slag is using for land filling.
- ii) Generated Dolochar is reused in FBC along with fresh coal support for generation of steam for CPP which results in less consumption of fossil fuel in turn conserves natural resource.

**2. Water Conservation:** 100 % Cooling Tower blow down water generated from CPP is being reused in Sponge iron plant for cooling purpose.

Also, treated domestic waste water is being reused for gardening and dust suppression purpose. Thus, plant is operating on '**Zero Liquid Discharge**' (ZLD) principle.

**3. Solid Waste Management:** Solid waste like Fly Ash is disposed to cement manufacturer and bricks manufacturer. Also, used bed materials is recycled / reused in the boiler process.

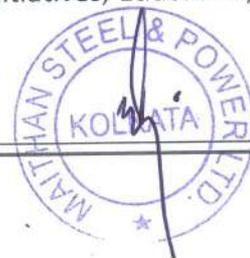
**4. Energy Saving:** Industry has installed solar street lights inside the plant premises. As far as possible industry is using renewable energy instead of conventional power supply which in turn saves fossil fuel.

## Part – H

**Additional measures/ investment proposed for environment protection including abatement of pollution, prevention of pollution.**

- Company has installed Continuous Online Emission Monitoring System (CEMS) for continuous measurement of particulate matter as per CPCB guidelines as a pollution control measures.
- The company started rainwater harvesting system along with shed catchment areas.
- Green Belt development is continual process in Maithan Steel & Power Ltd.
- Maithan Steel & Power Ltd. is committed to improving the quality of life of the community. The company has a robust policy with emphasis on areas like livelihood initiatives, Education, Health, Infrastructure and Environment.

The CER details are attached as **Annexure-V**.



## Part-I

### **Any other particulars for improving the quality of the environment.**

- The organization has established Sewage Treatment plant to treat domestic waste water and treated water is being recycled & reused in gardening as well as dust suppression on road.
- Differential Pressure gauge has been installed in bag filters to maintain pollutant level for better environment.
- Conducting Training Programmes among employees on the topic related to safeguard of environment.
- Celebration of World Environment Day to cater mass awareness among employees and people about safeguard as well as sustainable environment.

**Mass Plantation activity is carried out during World Environment Day Celebration.**



**Plantation activity at nearby village school schools.**

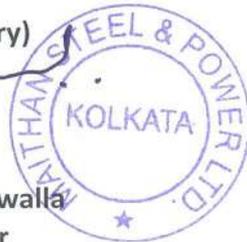
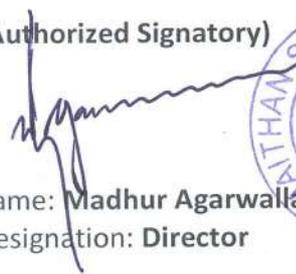


• The followings factors which are directly responsible to maintain pollution levels through continual improvements:

- All pollution control measures are being maintained periodically and carry out periodical performance monitoring of air pollution control devices.
- Periodical environmental monitoring carried out for stack emission, ambient air quality and Noise level. Reports are submitted to Regional Office and Head Office of West Bengal Pollution Control Board (WBPCB). All results are within the norms prescribed by the West Bengal Pollution Control Board.
- Certified with IMS (ISO 9001, ISO: 45001 & ISO 14001).
- Green belt has been developed by covering approximately **3.77 ha** area within plant premises and planted approximately **Ten Thousands** saplings of different types of species. The detail of plantations is enclosed as **Annexure-VI**. Plantation is continuous process in our plant.
- Regular housekeeping within plant premises to reduce fugitive emissions.
- Beside the mechanical system regular water sprinkling is being carried out through water tanker on road / raw material yard area for minimizing fugitive emission.

\*\*\*\*\*

(Authorized Signatory)



Name: **Madhur Agarwalla**  
Designation: **Director**

Address: **Maithan Steel & Power Ltd.**

Vill & PO: Bonra,  
PS - Neturia  
Dist.: Purulia  
Pin - 723121

Annexure - 1

Details for Environment Statement

MSP Unit-1

Raw Materials Consumption Details

Unit-1

Raw Materials Quantity (Actual Quantity)

Month	Unit	Iron Ore	Pellet	Coal (DRI)	Dolomite	Coal (Power)	Dolochar	Coal (Ferro)	Coke	Mn Ore	Mn Ore Slag	Dolomite	Quartz
Apr-24		5,917,000	-	3,454,000	27,860	1,244,000	-	24,956	23,918	152,228	24,083	2,485	34,387
May-24		10,235,000	-	5,330,680	49,000	4,595,050	1,718,700	433,759	381,235	2,182,203	352,676	19,679	490,329
Jun-24		12,653,660	463,760	8,079,690	288,900	2,732,240	1,739,420	420,835	408,211	2,108,329	741,300	58,327	420,200
Jul-24		4,732,730	15,845,200	13,703,090	327,000	3,804,040	829,650	1,072,324	833,580	4,845,468	1,732,418	169,080	1,080,579
Aug-24		7,221,320	16,643,210	15,957,750	387,710	2,028,610	1,678,150	1,063,773	942,013	5,197,107	1,310,190	156,123	1,241,065
Sep-24		9,179,590	11,092,580	13,159,920	394,570	869,800	2,850,000	845,959	779,377	4,196,103	941,478	79,089	939,371
Oct-24		7,296,660	12,983,330	13,372,450	386,570	467,600	3,573,000	971,693	878,653	4,535,264	1,352,988	46,479	913,372
Nov-24		12,254,020	12,773,620	15,617,030	282,940	334,750	4,049,000	1,256,894	1,146,305	5,562,168	1,574,806	32,397	1,099,731
Dec-24		11,541,740	10,676,160	14,258,870	356,990	468,000	4,070,000	999,159	835,891	4,541,179	1,240,319	38,979	892,592
Jan-25		9,461,280	10,046,680	12,863,048	332,710	558,500	626,000	1,028,978	729,467	4,498,287	1,218,356	6,533	936,183
Feb-25		8,845,510	13,610,360	14,697,990	435,920	621,980	279,000	1,036,934	787,753	4,730,498	1,265,995	70,389	1,029,753
Mar-25		11,173,640	15,734,540	17,528,390	498,960	275,000	2,078,000	1,254,119	1,057,518	5,991,432	1,667,150	62,342	1,251,049
<b>Total</b>		<b>110,512,150</b>	<b>119,869,440</b>	<b>148,022,91</b>	<b>3,769,130</b>	<b>17,999,570</b>	<b>23,490,920</b>	<b>10,409,383</b>	<b>8,803,921</b>	<b>48,338,266</b>	<b>13,421,759</b>	<b>741,902</b>	<b>10,328,611</b>



**Annexure-IIA**

**Ambient Air Quality Monitoring Results**



# GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216  
Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



## TEST REPORT OF AMBIENT AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33A

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC1528825000000112F

Report No. : GV/AR/24-25/621  
Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - I)  
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia,  
Pin : 723121.

Sample Ref. ID : AS-022-2025(1)  
Report Date : 10.03.2025  
Date of Sampling : 25.02.2025 to  
26.02.2025  
Date of Receiving : 26.02.2025  
Analysis Started On : 27.02.2025  
Analysis Completed On : 28.02.2025  
Time of Sampling : 08:30 am to  
08:30 am

Sample Description : Ambient Air  
Sampling Location : Near Plant Main Gate  
Sample Condition : In GMF Filter Paper & Plastic Bottle  
Location of Testing : At Laboratory  
Sampling Method : CPCB, Emission Regulation (Part III)

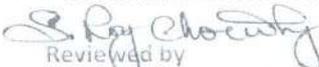
### A. METROLOGICAL INFORMATION

Average Temperature ( $^{\circ}$ C) : 33.2  
Average Relative Humidity (%) : 82.0  
Barometric Pressure (mm of Hg) : 756.0  
Smell or Odour : No Remarkable Smell  
Weather Condition : Clear Sky

### B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Limit
01.	Concentration of PM10	$\mu\text{g}/\text{m}^3$	74.32	100.0
02.	Concentration of PM2.5	$\mu\text{g}/\text{m}^3$	38.33	60.0
03.	Concentration of SO <sub>2</sub>	$\mu\text{g}/\text{m}^3$	8.77	80.0
04.	Concentration of NO <sub>2</sub>	$\mu\text{g}/\text{m}^3$	35.19	80.0
05.	Concentration of Pb	$\mu\text{g}/\text{m}^3$	BDL	1.0
06.	Concentration of Benzene	$\mu\text{g}/\text{m}^3$	BDL	5.0
07.	Concentration of NH <sub>3</sub>	$\mu\text{g}/\text{m}^3$	6.46	400.0
08.	Concentration of CO	$\text{mg}/\text{m}^3$	0.257	4.0
09.	Concentration of Benzo(a)Pyrene	$\text{ng}/\text{m}^3$	BDL	5.0
10.	Concentration of As	$\text{ng}/\text{m}^3$	BDL	6.0
11.	Concentration of Ni	$\text{ng}/\text{m}^3$	BDL	20.0
12.	Concentration of Ozone as O <sub>3</sub>	$\mu\text{g}/\text{m}^3$	< 10.0	100.0

\* BDL Stands for Below detectable Limit

  
Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION



Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.  
2. This certificate may not be reproduced in part or full without written permission of the management.  
3. Retention period of tested sample (Filter Paper) is 6 months from the date of issue test report unless otherwise specified.

City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001



# GREEN VISION

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Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216  
Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



## TEST REPORT OF AMBIENT AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33A

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC1528825000000128F

Report No. : GV/AR/24-25/633  
Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - I)  
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia,  
Pin : 723121.  
Sample Description : Ambient Air  
Sampling Location : Murulia Village  
Sample Condition : In GMF Filter Paper & Plastic Bottle  
Location of Testing : At Laboratory  
Sampling Method : CPCB, Emission Regulation (Part III)

Sample Ref. ID : AS-023-2025(3)  
Report Date : 10.03.2025  
Date of Sampling : 26.02.2025 to  
27.02.2025  
Date of Receiving : 27.02.2025  
Analysis Started On : 28.02.2025  
Analysis Completed On : 01.03.2025  
Time of Sampling : 09:40 am to  
09:40 am

### A. METROLOGICAL INFORMATION

Average Temperature (°C) : 33.5  
Average Relative Humidity (%) : 80.0  
Barometric Pressure (mm of Hg) : 756.0  
Smell or Odour : No Remarkable Smell  
Weather Condition : Clear Sky

### B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Limit
01.	Concentration of PM10	µg/m <sup>3</sup>	61.51	100.0
02.	Concentration of PM2.5	µg/m <sup>3</sup>	32.49	60.0
03.	Concentration of SO <sub>2</sub>	µg/m <sup>3</sup>	7.02	80.0
04.	Concentration of NO <sub>2</sub>	µg/m <sup>3</sup>	34.53	80.0
05.	Concentration of Pb	µg/m <sup>3</sup>	BDL	1.0
06.	Concentration of Benzene	µg/m <sup>3</sup>	BDL	5.0
07.	Concentration of NH <sub>3</sub>	µg/m <sup>3</sup>	5.06	400.0
08.	Concentration of CO	mg/m <sup>3</sup>	0.175	4.0
09.	Concentration of Benzo(a)Pyrene	ng/m <sup>3</sup>	BDL	5.0
10.	Concentration of As	ng/m <sup>3</sup>	BDL	6.0
11.	Concentration of Ni	ng/m <sup>3</sup>	BDL	20.0
12.	Concentration of Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	< 10.0	100.0

\* BDL Stands for Below detectable Limit

Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION



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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

## TEST REPORT OF AMBIENT AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33A

Sample is drawn by M/s. Greenvision  
Report No. : GV/AR/24-25/622  
Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - I)  
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Pin : 723121.  
Sample Description : Ambient Air  
Sampling Location : Moutha Village  
Sample Condition : In GMF Filter Paper & Plastic Bottle  
Location of Testing : At Laboratory  
Sampling Method : CPCB, Emission Regulation (Part III)

U.L.R. No. : TC152882500000113F  
Sample Ref. ID : AS-022-2025(2)  
Report Date : 10.03.2025  
Date of Sampling : 25.02.2025 to 26.02.2025  
Date of Receiving : 26.02.2025  
Analysis Started On : 27.02.2025  
Analysis Completed On : 28.02.2025  
Time of Sampling : 09:05 am to 09:05 am

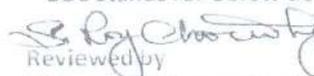
### A. METROLOGICAL INFORMATION

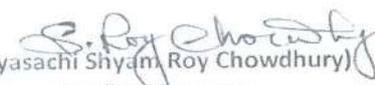
Average Temperature (°C) : 33.2  
Average Relative Humidity (%) : 82.0  
Barometric Pressure (mm of Hg) : 756.0  
Smell or Odour : No Remarkable Smell  
Weather Condition : Clear Sky

### B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Limit
01.	Concentration of PM10	$\mu\text{g}/\text{m}^3$	66.87	100.0
02.	Concentration of PM2.5	$\mu\text{g}/\text{m}^3$	34.58	60.0
03.	Concentration of SO <sub>2</sub>	$\mu\text{g}/\text{m}^3$	7.02	80.0
04.	Concentration of NO <sub>2</sub>	$\mu\text{g}/\text{m}^3$	35.19	80.0
05.	Concentration of Pb	$\mu\text{g}/\text{m}^3$	BDL	1.0
06.	Concentration of Benzene	$\mu\text{g}/\text{m}^3$	BDL	5.0
07.	Concentration of NH <sub>3</sub>	$\mu\text{g}/\text{m}^3$	4.81	400.0
08.	Concentration of CO	$\text{mg}/\text{m}^3$	0.167	4.0
09.	Concentration of Benzo(a)Pyrene	$\text{ng}/\text{m}^3$	BDL	5.0
10.	Concentration of As	$\text{ng}/\text{m}^3$	BDL	6.0
11.	Concentration of Ni	$\text{ng}/\text{m}^3$	BDL	20.0
12.	Concentration of Ozone as O <sub>3</sub>	$\mu\text{g}/\text{m}^3$	< 10.0	100.0

\* BDL Stands for Below detectable Limit

  
Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION

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TC-15288

Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216  
Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

## TEST REPORT OF AMBIENT AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33A

Sample is drawn by M/s. Greenvision	U.L.R. No. : TC1528825000000127F
Report No : GV/AR/24-25/631	Sample Ref. ID : AS-023-2025(1)
Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - I)	Report Date : 10.03.2025
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Pin : 723121.	Date of Sampling : 26.02.2025 to 27.02.2025
Sample Description : Ambient Air	Date of Receiving : 27.02.2025
Sampling Location : Bonra Village	Analysis Started On : 28.02.2025
Sample Condition : In GMF Filter Paper & Plastic Bottle	Analysis Completed On : 01.03.2025
Location of Testing : At Laboratory	Time of Sampling : 09:15 am to 09:15 am
Sampling Method : CPCB, Emission Regulation (Part III)	

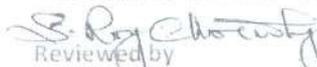
### A. METROLOGICAL INFORMATION

Average Temperature (°C)	: 33.5
Average Relative Humidity (%)	: 80.0
Barometric Pressure (mm of Hg)	: 756.0
Smell or Odour	: No Remarkable Smell
Weather Condition	: Clear Sky

### B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Limit
01.	Concentration of PM <sub>10</sub>	µg/m <sup>3</sup>	52.51	100.0
02.	Concentration of PM <sub>2.5</sub>	µg/m <sup>3</sup>	27.49	60.0
03.	Concentration of SO <sub>2</sub>	µg/m <sup>3</sup>	6.13	80.0
04.	Concentration of NO <sub>2</sub>	µg/m <sup>3</sup>	33.87	80.0
05.	Concentration of Pb	µg/m <sup>3</sup>	BDL	1.0
06.	Concentration of Benzene	µg/m <sup>3</sup>	BDL	5.0
07.	Concentration of NH <sub>3</sub>	µg/m <sup>3</sup>	4.72	400.0
08.	Concentration of CO	mg/m <sup>3</sup>	0.204	4.0
09.	Concentration of Benzo(a)Pyrene	ng/m <sup>3</sup>	BDL	5.0
10.	Concentration of As	ng/m <sup>3</sup>	BDL	6.0
11.	Concentration of Ni	ng/m <sup>3</sup>	BDL	20.0
12.	Concentration of Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	< 10.0	100.0

\* BDL Stands for Below detectable Limit

  
Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
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For, GREEN VISION

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**Annexure-IIB**

**Stack Emission Monitoring Results**



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## TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/33A]

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC152882500000108F	
Report No. : GV/AR/24-25/625	Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - I)	Sample Ref. ID : AS-022-2025(5)	Report Date : 10.03.2025
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Pin : 723121.	Sample Description : Stack Air	Date of Sampling : 25.02.2025	Sample Received On : 25.02.2025
Sampling Location : Rotary Kiln	Sample Condition : In GMF Thimble & Plastic Bottles	Analysis Started On : 26.02.2025	Analysis Completed On : 26.02.2025
Sampling Method : CPCB, Emission Regulation (Part III)	Testing Location : At Laboratory	Time of Sampling : 10:15 am	

### A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant	: Integrated Steel Plant		
02. Stack connected to	: Common Stack of Rotary Kiln No. 1 & 2 Through W.H.R.B.		
03. Material of construction	: M.S.		
04. Shape of stack	: Circular		
05. Height of stack from G.L. (mtr)	: 33.0	from roof level (mtr) : ---	
06. Height of sampling from G.L. (mtr)	: 20.0	from L.D.Z (mtr) : ---	
07. Internal stack diameter at sampling point (mtr)	: 1.8		
08. Emission due to	: Reduction of Pellet & Oxidation of Coal		
09. Steam generation capacity: (rated)	: ---	(running) : ---	
10. Load of source: (rated)	: 100 TPD X 2	(running) : 100 TPD X 2	

### B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: Coal		
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---	
05. Rated fuel consumption	: ---		
06. Working fuel consumption	: Kiln 1 : 4.3 TPH & Kiln 2 : 3.7 TPH		

### C. RESULTS OF GASEOUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (°C)	118	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	756.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	9.30	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm <sup>3</sup> /hr.)	61661.80	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/Nm <sup>3</sup> )	34.82	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 12% CO <sub>2</sub>	42.64	IS:11255 (Part 1), 1985, Reaffirmed 2014
07. Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	225.64	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of NO <sub>2</sub> (mg/Nm <sup>3</sup> )	109.26	IS:11255 (Part 3), 2008
09. Concentration of CO <sub>2</sub> (% V/V)	9.8	IS:13270:1992, Reaffirmed 2014
10. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014
Pollution Control Device	: ESP	
Permanent Ladder and Platform	: Yes	

Reviewed by  
*S. Roy Chowdhury*  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

*S. Roy Chowdhury*  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION

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## TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/33A]

U.L.R. No. : TC152882500000109F

Sample is drawn by M/s. Greenvision		Sample Ref. ID	: AS-022-2025(6)
Report No.	: GV/AR/24-25/626	Report Date	: 10.03.2025
Name of consumer	: M/s. Maithan Steel & Power Ltd. (Unit - 1)	Date of Sampling	: 25.02.2025
Address of consumer	: P.O. : Bonra, P.S. : Neturia, Dist. : Purulia. Ph. : 723121.	Sample Received On	: 25.02.2025
Sample description	: Stack Air	Analysis Started On	: 26.02.2025
Sampling location	: Cooler Discharge	Analysis Completed On	: 26.02.2025
Sample Condition	: In GMF Thimble	Time of Sampling	: 12:05 pm
Sampling Method	: CPCB, Emission Regulation (Part III)		
Testing Location	: At Laboratory		

### A. GENERAL INFORMATION ABOUT STACK

01. Name of the plant	: Integrated Steel Plant (Sponge Iron Unit)		
02. Name of the unit	: Cooler Discharge of Kilo No. : 1 & 2		
03. Main product function	: M.S.		
04. Shape of stack	: Circular		
05. Height of stack from G.L. (mtr)	: 25.0	from roof level (mtr)	: ---
06. Height of sampling from G.L. (mtr)	: 15.0	from L.D.Z. (mtr)	: ---
07. Internal stack diameter at sampling point (mtr)	: 0.5		
08. Emission due to	: Process Activity		
09. Steam generation capacity:	(rated) : ---	(running) : ---	
10. Total capacity:	(rated) : ---	(running) : 100 TPD X 2	

### B. FUEL & CHARACTERISTIC REPORT

01. Type of fuel used	: ---		
02. Fuel calorific value (kcal/Kg):	03. Ash content (% by Wt):	04. Sulphur content (% by Wt):	---
05. Basic iron content (%)	: ---		
06. Working fuel consumption	: ---		

### C. RESULTS OF GASEOUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (°C)	42	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	756.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	14.30	CPCB, Emission Regulation (Part III)
04. Volume of gas flow (Nm <sup>3</sup> /hr.)	9521.97	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/Nm <sup>3</sup> )	26.23	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 12% CO <sub>2</sub>	---	IS:11255 (Part 1), 1985, Reaffirmed 2014
07. Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	---	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	---	IS:11255 (Part 3), 2008
09. Concentration of CO (% V/V)	---	IS:13270:1992, Reaffirmed 2014
10. Concentration of O <sub>2</sub> (% V/V)	0.2	IS:13270:1992, Reaffirmed 2014
Pollution Control Device	: Bag Filter	
Permanent Ladder and Platform	: Yes	

*Sabyasachi Shyam Roy Chowdhury*  
 Reviewer  
 (Sabyasachi Shyam Roy Chowdhury)  
 Quality Manager

*Sabyasachi Shyam Roy Chowdhury*  
 (Sabyasachi Shyam Roy Chowdhury)  
 Quality Manager  
 Authorised Signatory  
 For, GREEN VISION

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TC-15288

## TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/33A]

U.L.R. No. : TC152882500000110F

Sample is drawn by M/s. Greenvision

Report No. :	GV/AR/24-25/627	Sample Ref. ID :	AS-022-2025(7)
Client Name :	M. S. Mathan Steel & Power Ltd. (Unit - D)	Report Date :	10.03.2025
Address :	P.O. : Bonra, P.S. : Neturia, Dist. : Purulia. Pin : 723121.	Date of Sampling :	25.02.2025
Sample Description :	Stack Air	Sample Received On :	25.02.2025
Sampling Location :	Rotary Kiln	Analysis Started On :	26.02.2025
Sample Condition :	In GMF Thimble & Plastic Bottles	Analysis Completed On :	26.02.2025
Sampling Method :	CPCB, Emission Regulation (Part III)	Time of Sampling :	02:05 pm
Testing Location :	At Laboratory		

### A. GENERAL INFORMATION ABOUT STACK

01. Plant Name :	Integrated Steel Plant (Sponge Iron Unit)		
02. Stack Name :	350 TPD Rotary Kiln Through WHRB		
03. Material of construction :	R.C.C.		
04. Shape of stack :	Circular		
05. Height of stack from G.L. (mtr) :	55.0	from roof level (mtr) :	---
06. Height of sampling from G.L. (mtr) :	27.2	from L.D.Z. (mtr) :	---
07. Internal stack diameter at sampling point (mtr) :	3.84		
08. Fuel used :	Reduction of Iron & Oxidation of Coal		
09. Stack operational capacity (rated) :	---	running at :	---
10. Stack capacity (rated) :	350 TPD	running at :	350 TPD

### B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used :	Coal		
02. Calorific value (K-Cal/Kg) :	---	03. Ash content (% by Wt) :	---
05. Rated fuel consumption :	---		
06. Actual fuel consumption :	13.70 TPH		

### C. RESULTS OF GASEOUS EMISSION SAMPLING

Sl. No.	Parameter	Value	Test Method
01	Stack gas temperature (°C)	142	CPCB, Emission Regulation (Part III)
02	Barometric pressure (mm of Hg)	756.0	CPCB, Emission Regulation (Part III)
03	Velocity of the gas (m/sec)	5.76	CPCB, Emission Regulation (Part III)
04	Quantity of gas flow (Nm <sup>3</sup> /hr.)	160715.06	CPCB, Emission Regulation (Part III)
05	Concentration of Particulate Matter (mg/Nm <sup>3</sup> )	23.98	IS:11255 (Part 1), 1985, Reaffirmed 2014
06	Particulate Matter normalized at 12% CO <sub>2</sub>	26.64	IS:11255 (Part 1), 1985, Reaffirmed 2014
07	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	322.38	IS:11255 (Part 2), 1985, Reaffirmed 2014
08	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	168.92	IS:11255 (Part 3), 2008
09	Concentration of CO (% V/V)	10.8	IS:13270:1992, Reaffirmed 2014
10	Concentration of CO (% V/V)	0.2	IS:13270:1992, Reaffirmed 2014

Pollution Control device : ESP  
 Permanent laundrer and Platform : Yes

*S. Roy Chowdhury*  
 Reviewed by  
 (Sabyasachi Shyam Roy Chowdhury)  
 Quality Manager

*S. Roy Chowdhury*  
 (Sabyasachi Shyam Roy Chowdhury)  
 Quality Manager  
 Authorised Signatory  
 For, GREEN VISION

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## TEST REPORT OF STACK GAS ANALYSIS [FORMAT NO. : GV/LAB/FM/33A]

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC152882500000111F	
Report No. : GV/AR/24-25/628	Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - I)	Sample Ref. ID : AS-022-2025(8)	Report Date : 10.03.2025
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Pin : 723121.	Sample Description : Stack Air	Date of Sampling : 25.02.2025	Sample Received On : 25.02.2025
Sampling Location : Product House	Sample Condition : In GMF Thimble	Analysis Started On : 26.02.2025	Analysis Completed On : 26.02.2025
Sampling Method : CPCB, Emission Regulation (Part III)	Testing Location : At Laboratory	Time of Sampling : 03:50 pm	

A. GENERAL INFORMATION ABOUT STACK			
01. Particulars of plant	: Integrated Steel Plant (Sponge Iron Unit)		
02. Stack connected to	: Product House Of Kiln No : 1 & 2		
03. Material of construction	: M.S.		
04. Shape of stack	: Circular		
05. Height of stack from G.L (mtr)	: 24.38	from roof level (mtr)	: ---
06. Height of sampling from G.L (mtr)	: 7.62	from L.D.Z (mtr)	: ---
07. Internal stack diameter at sampling point (mtr)	: 0.6		
08. Emission due to	: Process Activity		
09. Steam generation capacity: (rated)	: ---	(running)	: ---
10. Load of source: (rated)	: ---	(running)	: ---

B. FUEL CHARACTERISTIC REPORT			
01. Type of fuel used	: ---		
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---	
05. Rated fuel consumption	: ---		
06. Working fuel consumption	: ---		

C. RESULTS OF GASEUS EMISSION SAMPLING			Test Method
01. Flue gas temperature (°C)	39	CPCB, Emission Regulation (Part III)	
02. Barometric pressure (mm of Hg)	756.0	CPCB, Emission Regulation (Part III)	
03. Velocity of flue gas (m/Sec)	7.91	CPCB, Emission Regulation (Part III)	
04. Quantity of gas flow (Nm <sup>3</sup> /hr.)	7651.25	CPCB, Emission Regulation (Part III)	
05. Concentration of Particulate Matter (mg/ Nm <sup>3</sup> )	28.62	IS:11255 (Part 1), 1985, Reaffirmed 2014	
06. Particulate Matter normalized at 12% CO <sub>2</sub>	---	IS:11255 (Part 1), 1985, Reaffirmed 2014	
07. Concentration of SO <sub>2</sub> (mg/ Nm <sup>3</sup> )	---	IS:11255 (Part 2), 1985, Reaffirmed 2014	
08. Concentration of NO <sub>x</sub> (mg/ Nm <sup>3</sup> )	---	IS:11255 (Part 3), 2008	
09. Concentration of CO <sub>x</sub> (% V/V)	---	IS:13270:1992, Reaffirmed 2014	
10. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014	
Pollution Control Device	: Bag Filter		
Permanent Ladder and Platform	: Yes		

Reviewed by  
*S. Roy Chowdhury*  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

*S. Roy Chowdhury*  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION

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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



## TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/33A]

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC152882500000123F	
Report No. :	GV/AR/24-25/635	Sample Ref. ID :	AS-023-2025(5)
Name of Customer :	M/s. Maithan Steel & Power Ltd. (Unit - I)	Report Date :	10.03.2025
Address of Customer :	P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Pin : 723121.	Date of Sampling :	26.02.2025
Sample Description :	Stack Air	Sample Received On :	26.02.2025
Sampling Location :	Sub Merged Electric Arc Furnace	Analysis Started On :	27.02.2025
Sample Condition :	In GMF Thimble	Analysis Completed On :	27.02.2025
Sampling Method :	CPCB, Emission Regulation (Part III)	Time of Sampling :	10:05 am
Testing Location :	At Laboratory		

### A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant	: Integrated Steel Plant (Ferro Alloy Unit)		
02. Stack connected to	: Common Stack of S.E.A.F. No. 1 & 2		
03. Material of construction	: M.S.		
04. Shape of stack	: Circular		
05. Height of stack from G.L (mtr)	: 32.0	from roof level (mtr) :	---
06. Height of sampling from G.L (mtr)	: 20.0	from L.D.Z (mtr) :	---
07. Internal stack diameter at sampling point (mtr)	: 2.5		
08. Emission due to	: Reduction of Mn Ore		
09. Steam generation capacity: (rated)	: ---	(running) :	---
10. Load of source: (rated)	: 9 MVA X 2	(running) :	9 MVA X 2

### B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: Electricity		
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---	
05. Rated fuel consumption	: ---		
06. Working fuel consumption	: ---		

### C. RESULTS OF GASEUS EMISSION SAMPLING

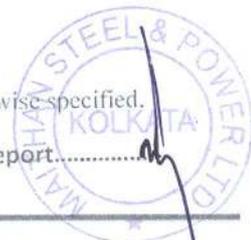
		Test Method
01. Flue gas temperature (°C)	84	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	756.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	8.74	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm <sup>3</sup> /hr.)	128185.83	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/ Nm <sup>3</sup> )	21.9	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 12% CO <sub>2</sub>	---	IS:11255 (Part 1), 1985, Reaffirmed 2014
07. Concentration of SO <sub>2</sub> (mg/ Nm <sup>3</sup> )	---	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of NO <sub>x</sub> (mg/ Nm <sup>3</sup> )	---	IS:11255 (Part 3), 2008
09. Concentration of CO <sub>2</sub> (% V/V)	2.8	IS:13270:1992, Reaffirmed 2014
10. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014

Pollution Control Device : F.D. Cooler & Bag Filter  
Permanent Ladder and Platform : Yes

*S. Roy Chowdhury*  
Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

*S. Roy Chowdhury*  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION

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Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

## TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/33A]

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC152882500000124F	
Report No. :	GV/AR/24-25/636	Sample Ref. ID :	AS-023-2025(6)
Name of Customer :	M/s. Maithan Steel & Power Ltd. (Unit - 1)	Report Date :	10.03.2025
Address of Customer :	P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Pin : 723121.	Date of Sampling :	26.02.2025
Sample Description :	Stack Air	Sample Received On :	26.02.2025
Sampling Location :	A.F.B.C. Boiler	Analysis Started On :	27.02.2025
Sample Condition :	In GMF Thimble & Plastic Bottles	Analysis Completed On :	27.02.2025
Sampling Method :	CPCB, Emission Regulation (Part III)	Time of Sampling :	12:05 pm
Testing Location :	At Laboratory		

### A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant	: Integrated Steel Plant (Captive Power Plant)		
02. Stack connected to	: A.F.B.C. Boiler (30 TPH)		
03. Material of construction	: R.C.C.		
04. Shape of stack	: Circular		
05. Height of stack from G.L. (mtr)	: 56.0	from roof level (mtr) :	---
06. Height of sampling from G.L. (mtr)	: 31.0	from L.D.Z. (mtr) :	---
07. Internal stack diameter at sampling point (mtr)	: 1.57		
08. Emission due to	: Combustion of Coal & Dolochar		
09. Steam generation capacity: (rated)	: 30 TPH	(running):	30 TPH
10. Load of source: (rated)	: 7.5 MW	(running):	7.5 MW

### B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: Coal & Dolochar		
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---	
05. Rated fuel consumption	: ---		
06. Working fuel consumption	: ---		

### C. RESULTS OF GASEOUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (°C)	124	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	756.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	14.73	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm <sup>3</sup> /hr.)	72698.46	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/ Nm <sup>3</sup> )	24.13	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 6% O <sub>2</sub>	27.42	IS:11255 (Part 1), 1985, Reaffirmed 2014
07. Concentration of SO <sub>2</sub> (mg/ Nm <sup>3</sup> )	235.02	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of NO <sub>2</sub> (mg/ Nm <sup>3</sup> )	114.78	IS:11255 (Part 3), 2008
09. Concentration of CO <sub>2</sub> (% V/V)	10.2	IS:13270:1992, Reaffirmed 2014
10. Concentration of O <sub>2</sub> (% V/V)	7.8	IS:13270:1992, Reaffirmed 2014
11. Concentration of CO (% V/V)	0.2	IS:13270:1992, Reaffirmed 2014

Pollution Control Device : ESP  
 Permanent Ladder and Platform : Yes

Reviewed by  
 (Sabyasachi Shyam Roy Chowdhury)  
 Quality Manager

(Sabyasachi Shyam Roy Chowdhury)  
 Quality Manager  
 Authorised Signatory  
 For, GREEN VISION

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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

## TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/33A]

U.L.R. No. : TC1528825000000125F

Sample is drawn by M/s. Greenvision		Sample Ref. ID	: AS-023-2025(7)
Report No.	: GV/AR/24-25/637	Report Date	: 10.03.2025
Name of Customer	: M/s. Maithan Steel & Power Ltd. (Unit - I)	Date of Sampling	: 26.02.2025
Address of Customer	: P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Pin : 723121.	Sample Received On	: 26.02.2025
Sample Description	: Stack Air	Analysis Started On	: 27.02.2025
Sampling Location	: Cooler Discharge & Product House	Analysis Completed On	: 27.02.2025
Sample Condition	: In GMF Thimble	Time of Sampling	: 02:10 pm
Sampling Method	: CPCB, Emission Regulation (Part III)		
Testing Location	: At Laboratory		

### A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant	: Integrated Steel Plant (Sponge Iron Unit)		
02. Stack connected to	: Cooler Discharge & Product House of 350 TPD Kiln		
03. Material of construction	: M.S.		
04. Shape of stack	: Circular		
05. Height of stack from G.L (mtr)	: 30.0	from roof level (mtr)	: ---
06. Height of sampling from G.L (mtr)	: 21.0	from L.D.Z (mtr)	: ---
07. Internal stack diameter at sampling point (mtr)	: 1.275		
08. Emission due to	: Process Activities		
09. Steam generation capacity:	(rated) : ---	(running) :	---
10. Load on source:	(rated) : ---	(running) :	---

### B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: ---		
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---	
05. Rated fuel consumption	: ---		
06. Working fuel consumption	: ---		

### C. RESULTS OF GASEOUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature ( <sup>o</sup> C)	55	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	756.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	8.44	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm <sup>3</sup> /hr.)	35052.92	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/ Nm <sup>3</sup> )	24.90	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 12% CO <sub>2</sub>	---	IS:11255 (Part 1), 1985, Reaffirmed 2014
07. Concentration of SO <sub>2</sub> (mg/ Nm <sup>3</sup> )	---	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of NO <sub>x</sub> (mg/ Nm <sup>3</sup> )	---	IS:11255 (Part 3), 2008
09. Concentration of CO <sub>2</sub> (% V/V)	---	IS:13270:1992, Reaffirmed 2014
10. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014

Pollution Control Device : Bag Filter  
Permanent Ladder and Platform : Yes

*S. Roy Chowdhury*  
Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

*S. Roy Chowdhury*  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION

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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



## TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/33A]

U.L.R. No. : TC1528825000000125F

Sample is drawn by M/s. Greenvision		Sample Ref. ID	: AS-023-2025(8)
Report No.	: GV/AR/24-25/638	Report Date	: 10.03.2025
Name of Customer	: M/s. Maithan Steel & Power Ltd. (Unit - I)	Date of Sampling	: 26.02.2025
Address of Customer	: P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Pin : 723121.	Sample Received On	: 26.02.2025
Sample Description	: Stack Air	Analysis Started On	: 27.02.2025
Sampling Location	: Intermediate Bin	Analysis Completed On	: 27.02.2025
Sample Condition	: In GMF Thimble	Time of Sampling	: 03:50 pm
Sampling Method	: CPCB, Emission Regulation (Part III)		
Testing Location	: At Laboratory		

### A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant	: Integrated Steel Plant (Sponge Iron Unit)		
02. Stack connected to	: Intermediate Bin & Coal Crusher of 350 TPD Kiln		
03. Material of construction	: M.S.		
04. Shape of stack	: Circular		
05. Height of stack from G.L (mtr)	: 30.0	from roof level (mtr)	: ---
06. Height of sampling from G.L (mtr)	: 21.0	from L.D.Z (mtr)	: ---
07. Internal stack diameter at sampling point (mtr)	: 1.275		
08. Emission due to	: Process Activities		
09. Steam generation capacity:	(rated) : ---	(running) : ---	
10. Load of source:	(rated) : ---	(running) : ---	

### B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: ---	
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---
05. Rated fuel consumption	: ---	
06. Working fuel consumption	: ---	

### C. RESULTS OF GASEOUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (°C)	41	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	756.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	7.91	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm <sup>3</sup> /hr.)	34356.88	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/ Nm <sup>3</sup> )	24.49	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 12% CO <sub>2</sub>	---	IS:11255 (Part 2), 1985, Reaffirmed 2014
07. Concentration of SO <sub>2</sub> (mg/ Nm <sup>3</sup> )	---	IS:11255 (Part 3), 2008
08. Concentration of NO <sub>x</sub> (mg/ Nm <sup>3</sup> )	---	IS:13270:1992, Reaffirmed 2014
09. Concentration of CO <sub>2</sub> (% V/V)	---	IS:13270:1992, Reaffirmed 2014
10. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014

Pollution Control Device : Bag Filter  
Permanent Ladder and Platform : Yes

Reviewed by  
*S. Sabyasachi Shyam Roy Chowdhury*  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

*S. Sabyasachi Shyam Roy Chowdhury*  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION

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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

## TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/33A]

U.L.R. No. : TC152882500000138F

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/24-25/644	Sample Ref. ID : AS-024-2025(4)
Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - I)	Report Date : 10.03.2025
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia.	Date of Sampling : 27.02.2025
Pin : 723121.	Sample Received On : 27.02.2025
Sample Description : Stack Air	Analysis Started On : 28.02.2025
Sampling Location : Intermediate Bin	Analysis Completed On : 28.02.2025
Sample Condition : In GMF Thimble	Time of Sampling : 10:35 am
Sampling Method : CPCB, Emission Regulation (Part III)	
Testing Location : At Laboratory	

### A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant	: Integrated Steel Plant (Sponge Iron Unit)	
02. Stack connected to	: Intermediate Bin of 100 TPD Kiln No. 1 & 2	
03. Material of construction	: M.S.	
04. Shape of stack	: Circular	
05. Height of stack from G.L (mtr)	: 30.0	from roof level (mtr) : ---
06. Height of sampling from G.L (mtr)	: 20.0	from L.D.Z (mtr) : ---
07. Internal stack diameter at sampling point (mtr)	: 0.6	
08. Emission due to	: Process Activity	
09. Steam generation capacity: (rated)	: ---	(running) : ---
10. Load on source: (rated)	: ---	(running) : ---

### B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: ---	
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---
05. Rated fuel consumption	: ---	
06. Working fuel consumption	: ---	

### C. RESULTS OF GASEOUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (°C)	38	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	756.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	7.84	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm <sup>3</sup> /hr.)	7608.23	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/ Nm <sup>3</sup> )	20.27	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 12% CO <sub>2</sub>	---	IS:11255 (Part 1), 1985, Reaffirmed 2014
07. Concentration of SO <sub>2</sub> (mg/ Nm <sup>3</sup> )	---	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of NO <sub>x</sub> (mg/ Nm <sup>3</sup> )	---	IS:11255 (Part 3), 2008
09. Concentration of CO <sub>2</sub> (% V/V)	---	IS:13270:1992, Reaffirmed 2014
10. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014

Pollution Control Device : Bag Filter  
Permanent Ladder and Platform : Yes

Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION

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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

## TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/33A]

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC152882500000139F	
Report No. : GV/AR/24-25/645	Sample Ref. ID : AS-024-2025(5)	Report Date : 10.03.2025	Date of Sampling : 27.02.2025
Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - 1)	Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Pin : 723121.	Sample Received On : 27.02.2025	Analysis Started On : 28.02.2025
Sample Description : Stack Air	Sampling Location : Coal Crusher	Analysis Completed On : 28.02.2025	Time of Sampling : 12:30 pm
Sample Condition : In GMF Thimble	Sampling Method : CPCB, Emission Regulation (Part III)		
Testing Location : At Laboratory			

### A. GENERAL INFORMATION ABOUT STACK

01. Particulars of Plant	: Integrated Iron & Steel Plant		
02. Stack connected to	: Coal Crusher		
03. Material of construction	: M.S.		
04. Shape of stack	: Circular		
05. Height of stack from G.L (mtr)	: 22.0	from roof level (mtr)	: ---
06. Height of sampling from G.L (mtr)	: 12.0	from L.D.Z (mtr)	: ---
07. Internal stack diameter at sampling point (mtr)	: 0.5		
08. Emission due to	: Process Activity		
09. Steam generation capacity: (rated)	: ---	(running)	: ---
10. Load source: (rated)	: ---	(running)	: ---

### B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: ---		
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---	
05. Rated fuel consumption	: ---		
06. Working fuel consumption	: ---		

### C. RESULTS OF GASEOUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (°C)	42	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	756.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	8.27	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm <sup>3</sup> /hr.)	5504.22	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/ Nm <sup>3</sup> )	26.86	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 12% CO <sub>2</sub>	---	IS:11255 (Part 1), 1985, Reaffirmed 2014
07. Concentration of SO <sub>2</sub> (mg/ Nm <sup>3</sup> )	---	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of NO <sub>x</sub> (mg/ Nm <sup>3</sup> )	---	IS:11255 (Part 3), 2008
09. Concentration of CO <sub>2</sub> (% V/V)	---	IS:13270:1992, Reaffirmed 2014
10. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014

Pollution Control Device : Bag Filter  
Permanent Ladder and Platform : Yes

Reviewed by: *S. Roy Chowdhury*  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

*S. Roy Chowdhury*  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION

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2. All the information under column A & B are supplied by the respective industry.  
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4. Retention period of tested sample (Thimble) is 6 months from the date of issue test report unless otherwise specified.



## Annexure-II

### Noise Monitoring Results



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Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216  
Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



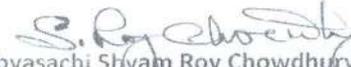
## TEST REPORT OF NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC152882500000118F  
Report No. : GV/NL/24-25/122 Sample Ref. ID : NLM-005-2025(1)  
Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - I) Report Date : 10.03.2025  
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Date of Sampling : 25.02.2025  
Pin : 723121.  
Sample Description : Noise Level Total Time : 1 Hr.  
Sampling Location : Near Main Gate Sampling Method : IS : 9989 :1981  
Noise Level Limit : Day Time : 75 dB(A), Night Time : 65 dB(A)  
{ Source : The Noise Pollution (Regulation and Control) Rules, 2000}  
Monitoring Details : Distance from Object : 3.0 Mtr.  
Height from the Ground : 1.5 Mtr.  
Category of Area : Industrial Area

Noise Level dB (A)					
Day Time (10:18 Hrs to 11:18 Hrs.)			Night Time (01:08 Hrs. to 02:08 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
71.6	60.2	66.7	53.5	46.7	50.3

  
Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION



Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.  
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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



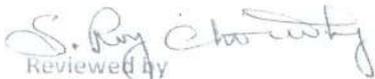
TC-15288

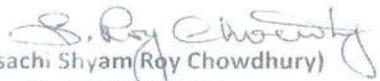
## TEST REPORT OF NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC152882500000119F  
Report No. : GV/NL/24-25/123 Sample Ref. ID : NLM-005-2025(2)  
Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - I) Report Date : 10.03.2025  
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Date of Sampling : 25.02.2025 to 26.02.2025  
Pin : 723121. Total Time : 1 Hr.  
Sample Description : Noise Level Sampling Method : IS : 9989 :1981  
Sampling Location : Bonra Village  
Noise Level Limit : Day Time : 55 dB(A), Night Time : 45 dB(A)  
{ Source : The Noise Pollution (Regulation and Control) Rules, 2000}  
Monitoring Details : Distance from Object : 3.0 Mtr.  
Height from the Ground : 1.5 Mtr.  
Category of Area : Residential Area

Noise Level dB (A)					
Day Time (12:05 Hrs to 13:05 Hrs.)			Night Time (23:30 Hrs. to 00:30 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
53.6	48.6	50.5	43.6	38.2	41.0

  
Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION



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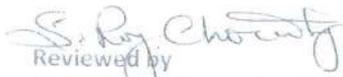
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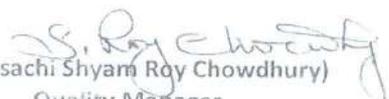
FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC152882500000120F  
Report No. : GV/NL/24-25/124 Sample Ref. ID : NLM-005-2025(3)  
Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - I) Report Date : 10.03.2025  
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Date of Sampling : 25.02.2025 to 26.02.2025  
Pin : 723121. Total Time : 1 Hr.  
Sample Description : Noise Level Sampling Method : IS : 9989 :1981  
Sampling Location : Murulia Village  
Noise Level Limit : Day Time : 55 dB(A), Night Time : 45 dB(A)  
{ Source : The Noise Pollution (Regulation and Control) Rules, 2000}

Monitoring Details : Distance from Object : 3.0 Mtr.  
Height from the Ground : 1.5 Mtr.  
Category of Area : Residential Area

Noise Level dB (A)					
Day Time (15:10 Hrs to 16:10 Hrs.)			Night Time (22:05 Hrs. to 23:05 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
54.1	48.6	51.1	43.5	39.4	41.5

  
Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION



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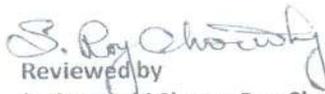
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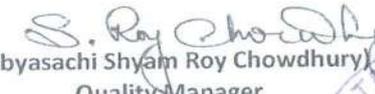
FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by : M/s. Greenvision  
Report No. : GV/NL/24-25/125  
Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - I)  
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Pin : 723121.  
Sample Description : Noise Level (24 Hrs.)  
Sampling Location : 2 X 100 TPD Kiln ESP Area  
Monitoring Details : Distance from Object : 3.0 Mtr.  
Height from the Ground : 1.5 Mtr.

U.L.R. No. : TC1528825000000133F  
Sample Ref. ID : NLM-006-2025(1)  
Report Date : 10.03.2025  
Date of Sampling : 26.02.2025 & 27.02.2025  
Total Time : 24 Hr.  
Sampling Method : IS : 9989 :1981

Time	Lmax dB (A)	Lmin dB (A)	Leq dB (A)
09:15 hrs. to 10:15 hrs.	65.6	62.3	64.0
10:15 hrs. to 11:15 hrs.	67.2	65.4	66.9
11:15 hrs. to 12:15 hrs.	69.5	63.8	67.7
12:15 hrs. to 13:15 hrs.	67.2	64.9	66.8
13:15 hrs. to 14:15 hrs.	72.3	68.2	71.1
14:15 hrs. to 15:15 hrs.	70.5	69.5	70.2
15:15 hrs. to 16:15 hrs.	68.2	63.3	66.3
16:15 hrs. to 17:15 hrs.	66.9	64.2	66.4
17:15 hrs. to 18:15 hrs.	64.8	61.6	64.0
18:15 hrs. to 19:15 hrs.	65.4	63.9	65.2
19:15 hrs. to 20:15 hrs.	67.2	65.4	66.9
20:15 hrs. to 21:15 hrs.	66.9	64.8	66.5
21:15 hrs. to 22:15 hrs.	68.2	66.9	68.0
22:15 hrs. to 23:15 hrs.	72.5	68.3	71.2
23:15 hrs. to 00:15 hrs.	74.3	69.5	72.5
00:15 hrs. to 01:15 hrs.	71.6	64.6	69.1
01:15 hrs. to 02:15 hrs.	72.3	67.2	70.7
02:15 hrs. to 03:15 hrs.	73.9	68.3	71.8
03:15 hrs. to 04:15 hrs.	72.5	66.9	70.8
04:15 hrs. to 05:15 hrs.	69.9	62.8	67.2
05:15 hrs. to 06:15 hrs.	68.4	64.5	67.0
06:15 hrs. to 07:15 hrs.	70.5	65.4	69.2
07:15 hrs. to 08:15 hrs.	71.6	66.9	70.0
08:15 hrs. to 09:15 hrs.	68.3	62.6	66.2

  
Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION



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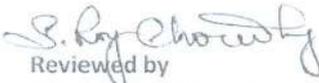
Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216  
Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

## TEST REPORT OF NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC152882500000134F  
Report No. : GV/NL/24-25/126 Sample Ref. ID : NLM-006-2025(2)  
Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - I) Report Date : 10.03.2025  
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Date of Sampling : 26.02.2025 &  
Pin : 723121. 27.02.2025  
Sample Description : Noise Level (24 Hrs.) Total Time : 24 Hr.  
Sampling Location : 350 TPD Kiln ESP Area Sampling Method : IS : 9989 :1981  
Monitoring Details : Distance from Object : 3.0 Mtr.  
Height from the Ground : 1.5 Mtr.

Time	Lmax dB (A)	Lmin dB (A)	Leq dB (A)
09:50 hrs. to 10:50 hrs.	75.4	69.5	73.6
10:50 hrs. to 11:50 hrs.	73.9	67.2	71.7
11:50 hrs. to 12:50 hrs.	76.9	64.8	72.2
12:50 hrs. to 13:50 hrs.	78.2	70.2	75.3
13:50 hrs. to 14:50 hrs.	77.2	71.6	75.7
14:50 hrs. to 15:50 hrs.	76.3	70.5	74.5
15:50 hrs. to 16:50 hrs.	72.5	69.4	71.8
16:50 hrs. to 17:50 hrs.	73.9	68.7	72.0
17:50 hrs. to 18:50 hrs.	74.6	71.2	73.7
18:50 hrs. to 19:50 hrs.	75.2	70.3	73.1
19:50 hrs. to 20:50 hrs.	74.9	68.9	73.2
20:50 hrs. to 21:50 hrs.	73.6	69.5	72.2
21:50 hrs. to 22:50 hrs.	72.5	68.2	71.3
22:50 hrs. to 23:50 hrs.	71.8	67.5	70.8
23:50 hrs. to 00:50 hrs.	73.5	66.9	71.0
00:50 hrs. to 01:50 hrs.	74.1	69.5	72.5
01:50 hrs. to 02:50 hrs.	75.3	68.2	72.9
02:50 hrs. to 03:50 hrs.	77.2	70.5	74.5
03:50 hrs. to 04:50 hrs.	76.9	71.3	75.0
04:50 hrs. to 05:50 hrs.	74.8	70.2	73.3
05:50 hrs. to 06:50 hrs.	72.3	69.5	71.7
06:50 hrs. to 07:50 hrs.	74.1	68.2	72.0
07:50 hrs. to 08:50 hrs.	73.8	69.9	73.0
08:50 hrs. to 09:50 hrs.	72.9	67.6	71.2

  
Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION



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TC-15288

## TEST REPORT OF NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by : M/s. Greenvision  
Report No. : GV/NL/24-25/127  
Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit – I)  
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia,  
Pin : 723121.  
Sample Description : Noise Level (24 Hrs.)  
Sampling Location : Turbine Floor (C.P.P.)  
Monitoring Details : Distance from Object : 3.0 Mtr.  
Height from the Ground : 1.5 Mtr.

U.L.R. No. : TC152882500000135F  
Sample Ref. ID : NLM-006-2025(3)  
Report Date : 10.03.2025  
Date of Sampling : 26.02.2025 &  
27.02.2025  
Total Time : 24 Hr.  
Sampling Method : IS : 9989 :1981

Time	Lmax dB (A)	Lmin dB (A)	Leq dB (A)
10:20 hrs. to 11:20 hrs.	77.6	70.5	75.2
11:20 hrs. to 12:20 hrs.	76.5	69.2	74.0
12:20 hrs. to 13:20 hrs.	78.2	68.6	74.6
13:20 hrs. to 14:20 hrs.	79.3	70.5	75.8
14:20 hrs. to 15:20 hrs.	77.2	68.5	73.6
15:20 hrs. to 16:20 hrs.	76.5	69.2	73.3
16:20 hrs. to 17:20 hrs.	75.4	70.3	72.8
17:20 hrs. to 18:20 hrs.	78.9	71.6	76.4
18:20 hrs. to 19:20 hrs.	77.5	69.5	74.7
19:20 hrs. to 20:20 hrs.	78.2	71.2	75.9
20:20 hrs. to 21:20 hrs.	79.5	70.8	76.0
21:20 hrs. to 22:20 hrs.	78.2	69.5	74.7
22:20 hrs. to 23:20 hrs.	76.7	70.2	74.5
23:20 hrs. to 00:20 hrs.	75.4	67.3	72.0
00:20 hrs. to 01:20 hrs.	73.3	69.5	72.6
01:20 hrs. to 02:20 hrs.	72.9	68.4	71.9
02:20 hrs. to 03:20 hrs.	71.7	67.6	70.8
03:20 hrs. to 04:20 hrs.	75.4	69.3	73.5
04:20 hrs. to 05:20 hrs.	76.2	70.2	74.4
05:20 hrs. to 06:20 hrs.	77.2	71.3	75.5
06:20 hrs. to 07:20 hrs.	75.4	70.5	74.0
07:20 hrs. to 08:20 hrs.	73.2	69.3	72.5
08:20 hrs. to 09:20 hrs.	78.1	70.2	75.3
09:20 hrs. to 10:20 hrs.	76.9	71.3	75.0

*S. Roy Chowdhury*

Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

*S. Roy Chowdhury*

(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION



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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



## TEST REPORT OF NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by : M/s. Greenvision  
Report No. : GV/NL/24-25/128  
Name of Customer : M/s. Maithan Steel & Power Ltd. (Unit - I)  
Address of Customer : P.O. : Bonra, P.S. : Neturia, Dist. : Purulia, Pin : 723121.  
Sample Description : Noise Level (24 Hrs.)  
Sampling Location : 9 MVA Furnace Area (Ferro)  
Monitoring Details : Distance from Object : 3.0 Mtr.  
Height from the Ground : 1.5 Mtr.

U.L.R. No. : TC1528825000000145F  
Sample Ref. ID : NLM-007-2025  
Report Date : 10.03.2025  
Date of Sampling : 27.02.2025 & 28.02.2025  
Total Time : 24 Hr.  
Sampling Method : IS : 9989 :1981

Time	Lmax dB (A)	Lmin dB (A)	Leq dB (A)
10:08 hrs. to 11:08 hrs.	79.3	70.2	75.8
11:08 hrs. to 12:08 hrs.	80.5	71.6	77.3
12:08 hrs. to 13:08 hrs.	78.3	70.5	75.6
13:08 hrs. to 14:08 hrs.	77.5	69.5	74.7
14:08 hrs. to 15:08 hrs.	76.4	68.5	73.7
15:08 hrs. to 16:08 hrs.	79.2	70.2	76.0
16:08 hrs. to 17:08 hrs.	78.6	71.3	76.2
17:08 hrs. to 18:08 hrs.	75.4	69.5	73.7
18:08 hrs. to 19:08 hrs.	77.2	70.2	75.0
19:08 hrs. to 20:08 hrs.	80.5	72.3	77.8
20:08 hrs. to 21:08 hrs.	79.6	71.6	76.8
21:08 hrs. to 22:08 hrs.	77.5	69.5	74.7
22:08 hrs. to 23:08 hrs.	78.6	67.3	74.2
23:08 hrs. to 00:08 hrs.	75.4	69.2	72.5
00:08 hrs. to 01:08 hrs.	76.9	70.1	74.7
01:08 hrs. to 02:08 hrs.	77.2	69.3	74.5
02:08 hrs. to 03:08 hrs.	75.4	68.4	72.8
03:08 hrs. to 04:08 hrs.	79.5	69.9	76.0
04:08 hrs. to 05:08 hrs.	80.8	70.5	76.9
05:08 hrs. to 06:08 hrs.	77.2	68.6	74.1
06:08 hrs. to 07:08 hrs.	76.5	67.5	73.2
07:08 hrs. to 08:08 hrs.	74.3	65.3	71.0
08:08 hrs. to 09:08 hrs.	75.3	68.2	74.0
09:08 hrs. to 10:08 hrs.	77.2	69.3	72.1

*S. Roy Chowdhury*  
Reviewed by  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager

*S. Roy Chowdhury*  
(Sabyasachi Shyam Roy Chowdhury)  
Quality Manager  
Authorised Signatory  
For, GREEN VISION

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# EASTERN COALFIELDS LIMITED

(A Subsidiary of Coal India Limited)

## SODEPUR AREA

OFFICE OF THE MANAGER, PARBELIA COLLIERY,  
PO: NETURIA, DIST: PURULIA PIN: 721121 (WB)

Date: 14.08.2025

Ref No: ECL/PARB/MGR/SUBSIDENCE/2025/162

G. T. Puri  
General Manager, Parbelia Colliery  
Dist: Purulia, W.B.  
Pin: 721121

### Sub: Filling of illegal mining and subsided Area at Parbelia Village.

Dear Sir,

We are in need of fly ash 300m<sup>3</sup>/day for filling of subsided area due to illegal mining operations at Parbelia Village near Rana Bari Village.

You are hereby requested to supply the fly ash at the earliest possible from 16/08/25

Thanking you

Yours faithfully

  
Manager  
Parbelia Colliery

Distribution:-

1. General Manager, Sodepur Area
2. General Manager Agent, Parbelia Group
3. O.C. Mine, (Kindly provide force at the time of filling operation)
4. CBF Commandant, Station
5. Supty, Parbelia Colliery
6. Office File



# VINOD KUMAR AGARWAL

141/F/1/D, B. T. ROAD, KOLKATA - 700 108

Ph. 2577 - 0645 Mob. : 9830610221

email : vinod\_concord5419@yahoo.co.in

GSTIN No. : 19ADAPA6424D1Z4

Annexure - 84

To  
The GM  
M.S.P.L  
Bora, Bonra,  
Purulia, West Bengal - 723121

Date:- 18.07.24

Sub: - Lifting of total Fly Ash of your plant through G.T.Enterprise.

Respected Sir,

We want to lift the total Fly Ash of your plant, We have accounts of Fly Ash in various cement plants. We want to send this cargo there and We will even send this cylo dust to Bangladesh.

We have given the responsibility of picking up and delivering this dust to G.T.Enterprise (Neturia, Purulia, West Bengal).

Thanking You,

VINOD KUMAR AGARWAL

Proprietor

**PURCHASE ORDER**  
(Domestic PO)



Page : 1/3

Vendor Code : 603872  
VINOD KUMAR AGARWAL  
141/F/1/D, B.T. ROAD,  
KOLKATA - 700108  
INDIA  
Phone : 03325770645  
Fax :  
Email : vinod\_concord5149@yahoo.co.in  
Mobile : 9830610221  
Contact :

Format No :  
Company  
ULTRATECH CEMENT LIMITED  
(UNIT: SONAR BANGLA CEMENT  
WORKS)  
VILLAGE DHALO  
WEST BENGAL - 742227  
INDIA  
Phone :  
Fax :  
Contact: PATIT PABAN MONDAL  
Email : p.mondal@centurycement.com  
Purchase Order : SO/SOE/8369000080  
Document Date : 06.05.2024  
Validity Period : -

Dear Sirs,

We are pleased to place our order on you for the following materials /services subject to terms & conditions and instructions specified here.

Item	Indent No Date	Material Code Material Description	Item Qty	UoM	Item Price INR	Disnt %	Net Value (INR) (Inc Dis & Oth)
10	50568695 06.05.2020	FLYASHDRYE FLYASH DRY WBPDCCL - BKTPP	3000.000	MT	120.00		360000.00
Total value of PO in INR(Excluding Duties and Taxes ) :							360,000.00

Rupees Three Lakhs Sixty Thousand

**TERMS & CONDITIONS**

Central GST : 2.5 %  
State GST : 2.5 %  
Freight : EXTRA  
Packing & Forwarding : NIL  
Handling Charges : NIL  
Incoterms : EXW / DPL,DURGAPUR  
Dispatch Mode : By Road  
Delivery Address : ULTRATECH CEMENT LIMITED  
UNIT: SONAR BANGLA CEMENT WORKS  
VILLAGE DHALO  
WEST BENGAL - 742227  
12.05.2020  
Delivery Period :  
Packing Instruction :  
Insurance : Your Account  
Payment Terms : Within 30 Days After Receipt Of Material

**GST DETAILS**

GSTIN No : 19AAACL6442L1Z7  
Income Tax PAN Number :  
Vendor's PAN No : ADAPA6424D

Regd Off : Ahura Centre , 2nd Floor , B Wing , Mahakali Caves Road , Andheri(east) , Mumbai-400093. Cin  
:L26940mh2000plc128420

# SHREE CEMENT EAST PRIVATE LIMITED

Registered Office: 21, Strand Road, Kolkata – 700001, West Bengal

CIN: U26999WB2021PTC245736 Ph: 01462-228101-6 Fax: 01462228117/228119 E-mail: sclgroup@shreecement.com

SCEPL/PURULIA/INDENT/22-23/LOI

Date: 30<sup>th</sup> Aug, 2022

M/s. G.T. Enterprise,  
Vill Garh Panchakat  
PO Ramkanali  
Purulia, West Bengal 723142

**PURCHASE- ORDER**

Email ID : samirpandit1980@grmail.com

Kind Attn: Mr. Somen Pandit (9932337296)

**Sub:** LOI for Supply of Fly Ash for our Cement Project at Purulia (W.B.).

**Ref:** As per email dated- 26-Aug-22 subsequent discussions.

Dear Sir,

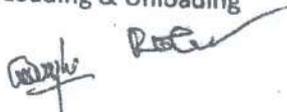
This is in reference to above mentioned offers & subsequent correspondences/ discussions you had with us; we are pleased to place this LOI on following terms and conditions:

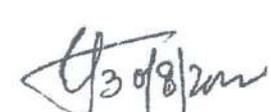
1. **Specifications & Price & Taxes:** The basic order value shall be as mentioned below:

Amount in Rs.

Sl #.	Description	Qty.	UOM	Basic Price	Total Amount
1.	Filling Material (Fly Ash)	20000	MT	65	13,00,000
Total Order Value					13,00,000
Rupees in words: Thirteen Lakh Only.					

- 1.1 Price Basis : **FOR Site Basis.**
- 1.2 Freight & Insurance : **Vendor's scope.**
- 1.3 GST : Extra (as applicable) against proper Tax Invoice as per relevant GST Act to avail the ITC, failing which GST. amount shall be debited to your A/c.
- 1.4 TCS Provision : As per Section 206 C (1H) of Income Tax Act 1961, vendor is liable to collect TCS as per prescribed rate. Hence SCEPL will responsible to pay TCS only when it is charged in your invoice otherwise there is no responsibility of SCEPL. Accordingly, TCS (if applicable) shall be paid extra against proper Invoice as well as submission of TCS Certificate (Form 27 D) within 30 days from quarter end.
2. Delivery : As per SCEPL schedule/ confirmation from Civil concern (Sh. Manjunath Goda- 7349213785).
3. Payment Term : Within 15 days after submission of invoices (Lotwise).
4. Loading & Unloading : **Vendor's scope.**





5. **Weightment Clause:** Weightment tolerance of 0.5% shall allowed if weightment slip given by supplier otherwise SCEPL weightment shall be final for payment.

6. **Our Billing & Shipping address**

Supplier shall raise Invoice in following name & address:

**SHREE PURULIA CEMENT PLANT**

A Unit of Shree Cement East Private Limited

Mouza - Digha, Tehsil - Raghunathpur, Village - Digha and Parbatpur,

Village - Digha and Parbatpur, Purulia, West Bengal, **723121**

Goods should be accompanied proper Tax Invoice with all prescribed mandatory field/nomenclature; as per respective GST Act & amendment thereof (if any) - to avail Input Tax Credit, failing which any monetary impact (if any), shall be debited to the supplier.

7. **Taxation Details:**

GST No	: 19ABGCS2209B1ZO
PAN No	: ABGCS2209B

8. Covenant : With reference to the discussion we had, it is very categorically discussed and agreed mutually by both of us that there are no pending issues of whatsoever nature related to various previous orders placed by us on your company which includes Liquidity Damages Waiver, Technical Issues etc.
9. Set Off : In addition to any rights and remedies available to SCEPL provided by law, upon the occurrence and during continuance of any Event of Default or any breach of contract, SCEPL is authorized at any time and from time to time, without prior notice to the Supplier / Contractor / Service Provider, to set off and appropriate any and all deposits at any time held by SCEPL to the account of the Supplier / Contractor / Service Provider against any and all obligations owing to SCEPL hereunder or under any Agreement, now or hereafter existing.

Our System Order will follow shortly.

Please return one copy of this LOI, duly signed & sealed as a token of your acceptance.

Yours faithfully,

For **SHREE PURULIA CEMENT PLANT,**  
(A Unit of Shree Cement East Private Limited)

  
AUTHORIZED SIGNATORY

**Acceptance:**

We read & understood the terms and conditions mentioned above. We hereby accept the same.

(Authorized Signatory)  
**M/s. G.T. ENTERPRISE, PURULIA**



**Corporate Environmental Responsibility (CER)**

Public Consultation Action Plan as per MoEF&amp;CC O.M dated 30.09.2020

Sl. No.	Concerns Raised During the Public Hearing	Physical Activity to be done	Budget in Lakhs			Total Budget (In Lakhs)
			1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	
1	Skill Development & Woman empowerment	Skill Development: Vocational training at plant, Seminar on farming & animal husbandry. Women Empowerment: Helping self-help groups and financial assistance to women to start their livelihood.	25.0	25.0	25.0	75.0
2	Water Conservation and Drainage system	Restoration of local ponds and construction of rainwater harvesting structures in the local community.	8.0	8.0	4.0	20.0
3	Solar Light Installation	Installation of Solar Light installation in local villages.	2.0	2.0	2.0	6.0
4	Infrastructure Development	Road Construction, Repair of school buildings, Village Road Repairing.	30.0	25.0	15.0	70.0
5	Avenue Plantation	Plantation of saplings along roads, highways, pathway and on the roads towards primary health centres and schools in the villages.	2.5	1.5	1.0	5.0
Budge as per PH issues to be spent mostly in the nearby villages like Bonra, Dhangajor, Goaladih etc			67.5	61.5	47.0	176.0
Budget as activities targeted under Model Village Development Programme (Saontal Motha)			23.00	11.50	8.50	43.0
Total Amount (R\$.)			90.50	73.00	53.5	217.0



**Corporate Environment Responsibility (CER) Expenditure Details for the year 2024-25**

**(Unit-I)**

Sl. No	Activity	CER Budget (Rs.in Lakhs)	Expenses incurred (Rs.in lakhs)
			2024-25
1	Skill Development: Vocational training at plant, Seminar on farming & animal husbandry. Women Empowerment: Helping self-help groups and financial assistance to women to start their livelihood.	25.00	11.00
2	Restoration of local ponds and construction of rainwater harvesting structures in the local community.	8.00	7.00
3	Installation of Solar Light installation in local villages.	2.00	1.59
4	Road Construction, Repair of school buildings, Village Road Repairing.	30.00	29.27
5	Plantation of saplings along roads, highways, pathway and on the roads towards primary health centres and schools in the villages.	2.50	0.50
	<b>Total Amount</b>	<b>67.50</b>	<b>49.36</b>



Maithan Steel & Power Limited Unit - I

PLANTATION FROM JUNE, 2024 - MARCH, 25

SL.NO.	Plant Area	Name of Saplings	Total No. Saplings
1	CPP area , Ferro Area & DRI Plant area & Periphery Plantation	Arjun, karanj, Sirish, Jarul, Radhachura, Bokul, Mehogani, Seesam, Chattim, Neem, Ficus Benjamina, Bougainvillea, Arica Palm, China Palm, Phoenix Palm, Tecoma, Bakul, Neem, Foxtail palm, Kaner, Debbaru, Tagar etc.	9448

