

File No: MSPL 1 /Env Compl / December'23

Date: 30.11.2023

To,  
Ministry of Environment, Forest & Climate Change  
Integrated Regional Office (IRO)  
IB – 198, IB Block, Sector – III  
Bidhannagar, Kolkata,  
West Bengal – 700106.

**Subject:** Six Monthly (December,2023) compliance report for M/S Maithan Steel & Power Limited (Unit –I).

**References:** EC No: IA -J-11011/554/2017-IA. II (I) dated 26<sup>th</sup> July 2021

Respected Sir / Madam (s),

With respect to the above subject, we are hereby submitting the six monthly compliance reports period from April'2023 to September'2023 for Environment Clearance (EC) vide letter No: IA-J-11011/554/2017-IA. II (I) dated 26<sup>th</sup> July 2021 for Expansion of existing 0.064 MTPA Sponge Iron to 0.17 MTPA Sponge Iron , 2 x 9 MVA Submerged Electric Arc Furnace, for Manufacturing of Ferro Alloys of 30,000 TPA (Fe – Mn, Fe-Si & Pig Iron Combined), Iron ore Sinter Plant of 80,000 TPA, 1x40 TPH Iron ore Washery of 2,40,000 TPA and 20 MW Power Plant (WHRB – 12 MW & AFBC – 8 MW) located at Vill – Bonra, Tehsil & PS – Neturia, Dist – Purulia, West Bengal in the name of M/S Maithan Steel & Power Limited (Unit – I), in soft copy format vide mail.

Hope you will find the same in order.

Thanking you

Yours faithfully

For, M/S Maithan Steel & Power Limited

  
Director



C.C:

1. The Regional Director, Central Pollution Control Board (Eastern Zonal Office), G97V + H5Q, Kasba New Market, Sector E, East Kolkata Twp, Kolkata, West Bengal – 700107.
2. The Environment Engineer, Asansol Regional Office, West Bengal Pollution Control Board, Dr. B.C. Roy Road, Asansol, Dist – Paschim Bardhaman, WB – 713301.

Registered Office:  
9, A.J.C Bose Road, Ideal Centre,  
6th Floor, Kolkata-700 017  
☎ +91 33 4085 7200

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)

**Enclosures:**

1. Compliance Report for EC
2. Copy of Consent to operate as Annexure - I
3. Copy of Consent to Established as Annexure – II
4. Copy of OCEMS Data from April 2023 to September 2023 as Annexure – III
5. Copy of Stack Emission Monitoring Report as Annexure – IV
6. Copy of Fugitive / Workzone Air Emission Report as Annexure – V
7. Copy of AAQM Report as Annexure –VI
8. Copy of Water Analysis Report as Annexure – VII
9. Copy of Pre – Monsoon & Post – Monsoon Ground Water Analysis Report as Annexure – VIII
10. Copy of Ambient & Work zone Noise Quality Analysis Report as Annexure – IX
11. Copy of Occupational Health Report as Annexure – X
12. Copy of CER Cost as Annexure – XI
15. Environmental Policy as Annexure – XII
16. EC News Paper Advertisement as Annexure – XIII
17. EC Intimation Copies as Annexure - XIV



**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)

🌐 [www.maithansteel.com](http://www.maithansteel.com)

**Works: Unit-II**

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

☎ 8651540007

**Six Monthly EC Compliance Report of M/S Maithan Steel & Power Ltd (Unit –I) for the  
Period of**

**April'2023 - September '2023**



## **Half Yearly Compliance Report**

**On**

## **Environmental Clearance Conditions**

**(MoEFCC letter Ref. No: IA -J-11011/554/2017-IA-II(I) Dated 26.07.2021)**

**Period : April 2023 – September 2023**

**Submitted By :**

**M/S Maithan Steel & Power Limited**

**Loacted At, Vill + Post – Bonra, PS &Tehsil – Neturia**

**Dist – Purulia, West Bengal**



**Name of the Project:**

Expansion of the existing 0.064 MTPA Sponge Iron to 0.17 MTPA Sponge Iron, (2x9) MVA Arc Furnace for manufacturing of Ferro Alloys of 30,000 TPA (Fe-Mn, Fe-Si & Pig Iron combined), Iron Ore Sinter Plant of 80,000 TPA, (1x40) TPH Iron Ore Washery of 2,40,000 TPA and 20 MW Power Plant [WHRB- 12 MW & AFBC- 8 MW] by M/s. Maithan Steel & Power Limited located at Vill + PO- Bonra, PS & Tehsil- Neturia, Dist- Purulia, West Bengal.

**Clearance Letter No. with date:**

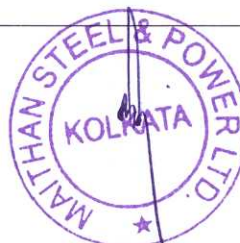
EC No- IA-J-11011/554/2017-IA. II(I) dated 26.07.2021

**Period of Compliance Report:**

April, 2023 to September, 2023

**A. Specific Conditions:**

Sr. No.	Condition(s)	Compliance Status
i.	Particulate matter emission from all the stacks shall not exceed 30 mg/ Nm <sup>3</sup> .	<p>Already being complied with &amp; will be complied too.</p> <p>The management is very much concerned about keeping the stack emission level within limit as per CTO norms for the existing operational plants (2x100 TPD Sponge Iron Plant). After commissioning of WHRB, we will keep the stack emission level below the prescribed limit. Online Continuous Emission Monitoring System (OCEMS) is attached to the major stack connected to the operational plant. Consent to Operate copy is attached as <b>Annexure- I</b>.</p> <p>The same practice will be continued in future.</p>
ii.	Water supply from Damodar Valley Corporation (DVC) shall be used and abstraction of ground water shall be discontinued.	<p>For the current operational plant, water requirement is fulfilled by surface water from Damodar Valley Corporation (DVC) after obtaining the permission from the concerned authority. So, ground water is not abstracted for the project.</p> <p>The same practice will be obeyed in future.</p>
iii.	Rain Water harvesting shall be implemented as per the action plan submitted.	<p>The project is in constructional phase. Rainwater harvesting system will be implemented in parallel to the implementation of the EC accorded project.</p>



iv. ✓	<b>Water spray systems shall be included to control fugitive dust from raw material stockpiles.</b>	We have already installed the fixed sprinkler systems to conveyer belt, raw material handling area, along with road, dry fog system at bag house area etc to the existing unit. Movable water tanker is available to suppress road dust. The project is in constructional phase. To control the fugitive emission, more water sprinklers will be implemented shortly.
v. ✓	<b>Green belt shall be developed in 33% of the total area all along the entire periphery of the plant with a density of 2500 trees per ha.</b>	Greenbelt development is already continued inside the plant project premises and a dedicated team of workers is continuously engaged for planting trees/ saplings.  More than 3899 trees are planted inside and outside the plant premises within the 2021-22 financial year. Till now 1651 saplings are planted in the year 2022-23. Total number of trees 6150 in the Green Belt.
vi.	<b>100% solid waste generated in the facility shall be utilized.</b>	Solid waste utilized for low land & abandoned mines filling for the current operational plant and after commissioning of AFBC boiler, the same will be used in the factory.

**B. General Conditions:**

<b>XI. Statutory Compliance</b>		
<b>Sr. No.</b>	<b>Conditions</b>	<b>Compliance Status</b>
i.	<b>The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/ conditions to be followed under any other Acts/ Rules/ subordinate legislations etc., as may be applicable to the project.</b>	<b>Agreed &amp; complied.</b>  Before starting the construction activity, Consent to Establish (NOC) permission is provided from the West Bengal Pollution Control Board for the EC accorded project vide NOC No. 164590, Memo No. 658-2N-52/2018(E) dated 08.10.2021.  The Consent to Establish permission is attached as <b>Annexure- II.</b>



XII. Air quality monitoring and preservation	
i.	<p>The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as two Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited Laboratories.</p>
ii.	<p>The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) act, 1986 or NABL accredited laboratories.</p>
iii.	<p>Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.</p>

The Online Continuous Emission Monitoring System (OCEMS) is installed with the process stack connected with currently operational 2x100 TPD Sponge Iron Plant as per CPCB guidelines and the 24x7 online data is transferred to CPCB server through online portal. The OCEMS data for the six monthly period (April, 2023 to September, 2023) is enclosed as **Annexure- III**.

Stack Emission is monitored at 2x100 TPD Sponge Iron Plant by third party monitoring agency which is NABL accredited laboratory. As per the stack emission monitoring report submitted, stack emission is monitored in the month of September, 2023.

Stack Emission Report is enclosed as **Annexure- IV**.

CAAQMS will be installed shortly as it is under construction phase.

At present Ambient Air Quality (AAQ) is monitored at four locations (3 Locations outside & 1 Location inside the plant premises) by third party monitoring agency which is NABL accredited laboratory. As per the Ambient Air Quality monitoring report submitted, AAQ is monitored in the month of September, 2023.

AAQ Report is enclosed as **Annexure- V**.

**Already being complied with.**

Fugitive Emissions are monitored Near Product House and Near Raw Material Yard by third party monitoring agency which is NABL accredited laboratory. Fugitive emission is under control as per the submitted report were monitored in the month of September, 2023.

Fugitive Emission Report is enclosed as **Annexure- VI**.

**Agreed & being complied.**

Existing operational plant (2x100 TPD Sponge Iron) is equipped with ESP, DSC, GCT and ID Fan to meet the standard below prescribed limit and Bag Filter with ID fan are connected to Raw Material Handling Plant, Cooler Discharge, Intermediate Bin & Product House along with Conveyor Belts are covered with metal sheet for controlling fugitive emission.

To mitigate the fugitive emission movable water tanker & fixed sprinklers have been used inside the plant premises. Dedicated manpower is continuously engaged to control the fugitive emission inside the plant premises.

The practice will be continued in future.



iv.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	<b>Already being complied with &amp; will be complied too.</b>  From visual observation of stack emissions and differential pressure check in bag house, damage of bags is detected & damage bags are replaced taking shutdown of Cooler Discharge, Raw Material Handling Plant, Intermediate Bin, Product House. In running condition bags are cleaned by pulse air jet using cleaning timer cycle.
v.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.	<b>Noted &amp; already being complied with.</b>  For the current operational plant (2x100 TPD Sponge Iron Plant), APC dust is dumped in abandoned mine area and the same practice will be adopted in future.
vi.	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	<b>Already being complied with &amp; will be continued.</b>  For the current operational plant, raw materials are coming to plant through fully covered trucks by tarpaulins.
vii.	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	<b>Agreed.</b>  The project is in constructional phase; only 2x100 TPD Sponge Iron Plants are in operational phase.  The primary and secondary fume extraction system will be installed at the time of implementation of the Submerged Arc Furnace. These system is not applicable for the existing unit.
viii.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	<b>Agreed.</b>  Natural ventilation system will be implemented after completion of the project.
<b>XIII. Water quality monitoring and preservation</b>		
i.	The project proponent shall install 24x7 effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414(E) dated 30th may 2008; G.S.R 277(E) dated 31 <sup>st</sup> March 2012 (applicable to IF/EAF); S.O. 3305(E) dated 7 <sup>th</sup> December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	No waste water is discharged outside the plant premises as the plant is based on "Zero Liquid Discharge" concept.  For the current operational plant (2x100 TPD Sponge Iron Plant), water is only used for cooling which is reused in process and the domestic waste water is reused for developing green belt and dust suppression system with movable water tanker.  The same practice will be adopted in future.  Water quality is being monitored Near Office Area by third party monitoring agency which is NABL accredited laboratory.



		Water Analysis Report is attached as <b>Annexure- VII.</b>
ii.	The project proponent shall monitor regularly the ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	<b>Agreed.</b>  We test periodically the ground water quality at Factory Premises, Murulia Village, Mautha Village and Bonra Village in the month of March (Pre monsoon) & September (Post monsoon).  Post Monsoon Ground Water Analysis Report is attached as <b>Annexure- VIII.</b>
iii.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	<b>Noted.</b>  The project is in constructional phase. Sewage Treatment Plant will be installed as soon as possible to treat the domestic waste water inside the plant premises.
iv.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	<b>Agreed.</b>  Garland drains are under construction to arrest the surface run off water during the event of rain in our existing unit. Surface water is collecting in a pit & recycling it in the process.  The same practice will be obeyed in future.
<b>XIV. Noise monitoring and prevention</b>		
i.	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	<b>Noted &amp; complied.</b>  Noise Monitoring is being done on regular basis by WBPCB/ MoEF&CC/ NABL accredited laboratories. Eco Care, West Bengal which is NABL/ MoEFCC accredited laboratory has done the source noise analysis at one location viz. Near DRI Area and ambient noise analysis report at three locations viz. Near Main Gate, Near Bonra Village & Near Murulia Village in the month of September, 2023.  The Ambient & Work Zone Noise quality monitoring reports are attached in Analysis Report as <b>Annexure- IX.</b>
<b>XV. Energy conservation measures</b>		





i.	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.	<b>Agreed &amp; complied.</b>  The project is in constructional phase; LED lights are already installed in the office area & solar panels are installed beside road with the implementation of the project.
<b>XVI. Waste management</b>		
i.	Used refractories shall be recycled as far as possible.	Used refractories are being sold out to refractory units for recycle.
ii.	Kitchen waste shall be composted or converted to biogas for further use.	Kitchen waste is composted and is used as manure in gardening.
<b>XVII. Green Belt</b>		
i.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	<b>Being complied.</b>  Greenbelt development is continued inside the plant premises during and a dedicated team of workers is continuously engaged for planting trees / samplings. More than 3899 trees are planted inside and outside the plant premises within the 2021-22 financial year. Till now 1651 saplings are planted in the year 2022-23. Total number of trees 6150 in the Green Belt.
<b>XVIII. Emergency Preparedness</b>		
i.	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	<b>Already being complied with.</b>  We have prepared the HIRA & Disaster Management Plan and conducted training accordingly.
ii.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	<b>Not applicable.</b>  The workmen have been provided PPE like asbestos apron, gloves, safety shoes and color glasses. Workmanship are being rotated periodically. Heat Stress Analysis is not needed as work is done at normal temperature.
iii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	<b>Agreed &amp; complied.</b>  Occupational health surveillance of the workers is being periodically accessed and records are being maintained as per the Factories Act 1948.  OHS record is enclosed as <b>Annexure- XI.</b>
<b>XIX. Environment management</b>		
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 30.09.2020.	The cost incurred in CER is being carried out for social development and welfare measures in the surrounding villages.  The CER detail is attached as <b>Annexure- XII.</b>



ii.	<p>The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental / forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/or shareholder's/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&amp;CC as a part of six-monthly report.</p>	<p style="text-align: center;"><b>Already being complied with.</b></p> <p>The company has a well laid down environment policy duly approved by Board of Directors at the entrance gate. Standard Operating Procedure for individual equipment's have been printed and distributed to supervisors for ready reference. Important parameters have been displayed in working area. It is revised time to time.</p> <p>Environmental Policy is submitted to your good office with this report as an annexure.</p> <p>Revised Environmental Policy is enclosed as <b>Annexure- XIII.</b></p>
iii.	<p>A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.</p>	<p style="text-align: center;"><b>Agreed.</b></p> <p>A separate Environment Management Cell is working under Workmen Controller (WMC) who is also organizational head. All abnormalities and deviations are directly reported to him, who take up the matter with Board of Directors for immediate action and budgetary provision.</p>
<b>XX.</b>	<b>Miscellaneous</b>	
i.	<p>The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it in at least two local newspapers of the District or state, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.</p>	<p style="text-align: center;"><b>Already being complied with.</b></p> <p>Accorded Environmental Clearance was published in <b>Sangbad Protidin</b> (Bengali Newspaper) on 01.05.2021, <b>Ei Samay</b> (Bengali Newspaper) on 03.08.2021 &amp; <b>The Times of India</b> (English Newspaper) on 03.08.2021 and also in company's website.</p> <p>The EC Advertisement Copies are enclosed as <b>Annexure- XIV.</b></p>
ii.	<p>The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, panchayats and Municipal bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.</p>	<p style="text-align: center;"><b>Already being complied with.</b></p> <p>EC copy was submitted to the Head of Bhamuria Gram Panchayat, BDO of Neturia and District Magistrate of Purulia District were submitted.</p> <p>The Intimation Copies Submitted to the Local Bodies are enclosed as <b>Annexure- XV.</b></p>
iii.	<p>The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.</p>	<p style="text-align: center;"><b>Agreed to update on six-monthly basis.</b></p> <p>In compliance to the point, report is uploaded on the company's website.</p>



iv.	The project proponent shall monitor the criteria pollutants levels level namely; PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	<b>Agreed and complied too.</b>  The management of MSPL (M/s. Maithan Steel & Power Limited) is monitoring criteria pollutants level namely- PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions of PM) by third party monitoring agency. Emission levels of pollutants of different units is displayed on information board as per CPCB format outside the main gate of the plant for disclosure to the public and also uploaded with compliance report on the website of the company.
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.	<b>Agreed and complied.</b>  Six-monthly report on the status of compliance of the stipulated environmental conditions are being submitted to MoEFCC and is displayed in the website of the industry. Status of the compliance of the stipulated conditions are updated on MoEFCC's portal 2.0.
vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently and put on the website of the company.	<b>Already being complied with &amp; will be continued too.</b>  For the financial year 2022-23, Environmental Statement in prescribed format was submitted to the West Bengal Pollution Control Board vide MSPL-I/ ENV_Statement/ 2023-24 dated 05.09.2023. The Form- V (Environmental Statement) for the financial year (2023-24) will also be submitted before 30 <sup>th</sup> Sep'24.
vii.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	<b>Noted and informed.</b>  Date of financial closure is 20-10-2022. We got CTE dated 08-10-2021 and commencing the land development work is 12-01-2022. Start of production will be by 31-03-2025.
viii.	The project proponent shall abide by all the commitments and recommendations made in the EIA/ EMP report, commitment made during public hearing and also that during their presentation to the Expert Appraisal Committee.	<b>Noted &amp; is being complied.</b>
ix.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	<b>Agreed.</b>
x.	Concealing factual data or submission of false/ fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	<b>Noted.</b>
xi.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	<b>Noted.</b>



xii. ✓	The ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed.
xiii. ✓	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The Project authorities should extend full cooperation to the officer(s) of the Regional office by furnishing the requisite data/ information/ monitoring reports.	Noted.
xiv. ✓	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Agreed.

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# ANNEXURE – I

CONSENT TO OPERATE (CTO) COPY



# WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'  
Bldg. No. - 10A, Block - LA, Sector-III  
Salt Lake City, Kolkata-700 098

Consent Letter Number : C0134698

Memo Number : 373-15200/Reg./Ad./Cont/82/02

Date : 31.08.2023

## Consent to Operate

under

Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and  
Section 21 of the Air (Prevention and Control of Pollution) Act, 1981

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to :

M/s Maithan Steel & Power Ltd

(Address of Regd. office/Head/Office/City Office)

(hereinafter referred to as Applicant) for its unit located at Vill+ PO - Bonra, PS - Neturia,  
Dist - Purulia, PIN - 723121

(Detailed address of the manufacturing unit)

for a period from 01.09.2023 to 31.08.2028

to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.

Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.



For and on behalf of the State Board

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

(2)

ANNEXURE

Consent to M/s Maitthan Steel & Power Ltd.  
for its unit at vill+ PO - Bonna, PS- Neturia, Dist- Purulia  
PIN- 723121

Conditions :

01. This Consent is valid for the manufacture of :-

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Sponge Iron	5000 tonnes
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		

- 02. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
- 03. Daily discharge of industrial liquid effluent shall not exceed ..... KL.
- 04. Daily discharge of domestic liquid effluent shall not exceed 03 ..... KL.
- 05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed ..... KL.
- 06. The Applicant shall discharge liquid effluent to Soak pit ..... (place of discharge) through 01 (one) .....nos. outlets / outfalls.
- 07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
- 08. The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given in Table-I in page 03.



31/8/23  
(Member Secretary/Chief Engr./ Sr. Env. Engr./ Env. Engr. / Asst. Env. Engr.)

Continued.....

Consent to M/s Maithan Steel & Power Ltd<sup>(3)</sup>  
 for its unit at vill + PO - Borra, PS- Neturia, Dist- Purulia,  
PIN - 723121

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
01	Domestic	pH	Between : 5.5-9.0	yearly
		Total Suspended Solids	Not to exceed : 100 mg/l.	
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed : 30 mg/l.	
		Chemical Oxygen Demand	Not to exceed : 250 mg/l.	
		Oil & Grease	Not to exceed : 10 mg/l.	

09. The Applicant falls in the .....Category of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made thereunder and the Applicant shall comply with the provisions of the said Act and Rules made thereunder.

10. Daily water consumption for the following purposes should not exceed :-
- Industrial cooling, spraying in mine pits and boiler feed water → .....300.....KL  
 (Water used for gardening should be included in this category of use)
  - Domestic purpose → .....5.....KL
  - Processing whereby water gets polluted and the pollutants are easily biodegradable → .....-.....KL
  - Processing whereby water gets polluted and the pollutants are not easily biodegradable → .....-.....KL

The Applicant shall regularly submit to the Board the Returns of Water Consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.



(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Continued.....



(4)

Consent to M/s Maithan Steel & Power Ltd.  
 for its unit at Villa DO - Bonra, PS- Neturia, Dist- Purulia,  
PIN - 723121

11. The Applicant shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the State Board.
12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to facilitate identification.
13. The Applicant shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants of the Standard as given in Table-II below :

Table-II

Stack No.	Stack height from G.L. (in mts.)	Stack attached to (sources and control system. if any):	Volume Nm <sup>3</sup> /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed				Frequency of emission sampling
					SPM (mg/Nm <sup>3</sup> )	CO (%v/v)			
S-1	32	2 x 100 TPD Rotary kiln			100	1	-	-	Quarterly
S-2	30	Cooler Discharge			100	-	-	-	-
S-3	30	Product House			100	-	-	-	-
S-4	30	Intermediate Bin - I			100	-	-	-	-
S-5	30	Intermediate Bin - II			100	-	-	-	-
S-6	30	Coal Crusher			100	-	-	-	-
S-7	19.5	1 x 860 KVA DG Set			150	1	-	-	-
S-8	18	1 x 380 KVA DG Set			150	1	-	-	-
S-9									
S-10									



(Member Secretary/Chief Engr./ Sr. Env. Engr./ Env. Engr./ Asst. Env. Engr.)

Continued.....

(5)

Consent to M/s Maithan Steel & Power Ltd  
 for its unit at vill+ PO - Barwa, PS - Neturia, Dist - Purulia  
PIN - 723121

14. The Applicant shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the State Board's staff as well as State Board's authorised agencies.

15. The Applicant shall observe the following fuel consumption pattern :-

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	Coal	5140 tonnes/month	DRI Kiln
02	HSD	-	DC Set
03			
04			
05			

16. The Applicant shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below :-

Type of waste	Quantity	Treatment	Disposal
Dolo - char	1500 tonnes/month	-	Send to Power Plant
Kiln Accretion	400 tonnes/year	-	road construction
APCD Dust	200 tonnes/month	-	land filling

17. The Applicant shall take adequate measures for control of noise levels from its own sources within the premises within the limit given below :-

Time	Limit in dB(A) $L_{eq}$
Day Time (06 a.m. to 10 p.m.)	75
Night Time (10 p.m. to 06 a.m.)	70

18. The Applicant shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding areas/inhabitants and to achieve compliance with the terms and conditions of the consent.

19. The Applicant shall bring about at least 33% of the available open land under the green coverage / plantation.

20. The Applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the Applicant to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the Applicant shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.

21. The Applicant shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.

22. The Applicant shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

23. The Applicant shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste



(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)  
 31/12/13

Consent to M/s Maithan Steel & Power Ltd.  
 for its unit at vill + PO - Bonra, PS - Neturia, Dist - Purulia,  
PIN - 723121

24. The *Applicant* shall maintain a separate register showing consumption of chemicals used in pollution control systems.
25. The *Applicant* shall get the samples of hazardous wastes/leachates analysed at least once in ..... from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.
26. The *Applicant* shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the *State Board's* staff as well as *State Board's* authorised agencies.
27. The *Applicant* shall submit to the *State Board* by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form -V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.
28. The *Applicant* shall allow the Officers of the *State Board* to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
29. The *Applicant* shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the *State Board* for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
30. The *Applicant* shall furnish to the *State Board* all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
31. The *Applicant* shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
32. The *Applicant* shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
33. The *Applicant* shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The *Applicant* Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
34. The *Applicant* shall make an application to the *State Board* in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.
35. The *Applicant* shall not make any alternation/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.
36. The *Applicant* shall comply with the conditions as laid down in the Manufacture, Storage and Import of hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

Additional Conditions



(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

# **ANNEXURE – II**

CONSENT TO ESTABLISH (CTE) COPY



NOC NO 164590

EXPRESS POST

# WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Bhawan  
10A, Block - LA, Sector III, Bidhannagar  
Kolkata - 700 105



Memo No. 658-2N-52/2018(E)

Dated 08/10/2021

From :  
Member Secretary,  
West Bengal Pollution Control Board

To : M/s, Maithan Steel & Power Limited,  
9, A.J.C. Bose Road, Ideal Centre, 6th Floor, Kolkata-700 017.

Sub : Consent to Establish (NOC) from Environmental Point of View

Ref : i) Your letter No. MSPL-I/NOC-App/EIM-WBPCB/21-22/01 Dated 25.09.2021  
ii) Environmental Clearance issued by MOEF&CC vide F.No. IA-J-11011/554/2017-IA.II(I) dtd. 26.07.2021.

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s Maithan Steel & Power Limited expansion of the existing 0.064MTPA Sponge Iron to 0.17MTPA Sponge Iron, for ~~expansion of the existing~~ 2X9MVA Arc Furnace for manufacturing of Ferro Alloys of 30,000TPA (Fe-Mn, Si-Mn, Fe-Si & Pig Iron combined), Iron Ore Sinter plant of 80,000TPA, ~~1X40TPH Iron Ore Washery of 2,06,000TPA and 20MW Power Plant (WHRB-12MW & AFBC-8M) \*~~ this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point of the above subject to the following conditions and special conditions annexed.

\* at P.O.-Bonra, P.S.-Neturia, Dist.- Purulia, West Bengal.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS : 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.
4. All emission from your factory shall conform to the standards as laid down by this Board.
5. No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.
6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/erected/re-erected without prior approval of this Board.

*M. Mukherjee* 08/10/2021  
Sr. Environmental Engineer  
W. B. Pollution Control Board  
Dept. of Environment GoWR



7. You shall comply with
- (i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
  - (ii) Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
  - (iii) Environment (Protection) Act, 1986
  - (iv) Environment (Protection) Rules, 1986
  - (v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
  - (vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
  - (vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
  - (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992
  - (ix) The Public Liability Insurance Rules, 1991 and Amended Rules 1993
  - (x) Biomedical Wastes (Management & Handling) Rules, 1996 and Amended Rules 2000 if applicable.
  - (xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
  - (xii) Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable
8. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

**SPECIAL CONDITION :**

Total capital cost including land, building, plant & machinery is Rs.97 crores ( Ninety Seven Crores only).

Please refer to Annexure - A & B.

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Yours faithfully,

*(Signature)*  
 Member Secretary / SR. ENV. ENGR.  
 West Bengal Pollution Control Board (EIM CELL)  
 Sr. Environmental Engineer  
 W. B. Pollution Control Board  
 Dept. of Environment, GoWB

Memo No. 658 -2N- 52/2018(E) dt. 08/10/2021  
 Copy forwarded for information to :

1. Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
2. Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
3. Guard file, West Bengal Pollution Control Board.
4. Environmental Engineer, I/II/Alipur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./Asansol/ Sub-R.O./WBPC Board

Himalaya Bhawan  
 Delhi Road, Dankuni  
 Dist. Hooghly

Vil, Panpur  
 Kalyani Expressway  
 P.O. Narayanpur  
 Dist. 24 Pgs. (N)

Sahid Khudiram Sarani  
 City Centre, Durgapur-16  
 Dist. Burdwan

10, Camac Street  
 2nd Floor  
 Kolkata-700 017

Paribesh Bhawan  
 10A, LA-Block, Sector-III  
 Salt Lake City,  
 Kolkata - 700 098

Block-05 at 40  
 Flats Complex  
 Adjacent to Priyambada  
 Housing Estate  
 P.O. : Khanjanchak,  
 P.S. Durgachak  
 Haldia-721602  
 Dist. : Purba Medinipur

Paribahan Nagar  
 Matigara, Siliguri  
 Dist.-Darjeeling

Satya Chowdhury  
 Indoor Stadium  
 Baluchar Bandh Road  
 Malda-732101

Asansol Sub-Regional Office  
 ADDA Commercial Market (2nd Floor)  
 Opposite Asansol Fire Station  
 G.T. Road, Asansol-713 301

*(Signature)*  
 Member Secretary/ SR. ENV. ENGR.  
 West Bengal Pollution Control Board  
 (EIM CELL)  
 Sr. Environmental Engineer  
 W. B. Pollution Control Board  
 Dept. of Environment, GoWB



The unit configuration and capacity of existing and proposed project is given below:

Sl. No	Name	Existing configuration	Proposed Configuration	Final configuration After expansion	Final Production Capacity (TPA)	Proposed Stack Height (m)	Proposed Emission Control System
1.	DRI Kilns	2x100 TPD	1x350 TPD			42 m	ESP
a)	DRI Kiln Cooler Discharge/Exit	--	1x350 TPD			30 m	Bag Filter
b)	Stock House	--	01 No.	2x100 TPD	1,76,000 Sponge Iron	30 m	Bag Filter
c)	Coal Crusher	--	01 No.	1x350 TPD		30 m	Bag Filter
d)	Intermediate Bin	--	01 No.			30 m	Bag Filter
e)	Product House	--	01 No.			30 m	Bag Filter
7.	CPP (WHRB based)	--	12MW	12 MW	12 MW	In line with DRI kiln 1 x 350 TPD	Common with ESP of DRI Kiln of 350 TPD
8.	CPP (AFBC based)	--	8 MW	8 MW	8 MW	30 m	ESP with Pneumatic Ash Conveying System
9.	Ash Silo	--	1 No.			Vent of 5 m from Silo Top	Bag Filter
10.	Ferro Alloy Plant		2 x 9 MVA	2 x 9 MVA	30,000(Fe-Mn, Si-Mn, Fe-Si & Pig Iron combined)	30 m (Common)	02 nos. Bag Filter System & I.D Fan (Individual)

*W.B. 88/10/2004*

Sr. Environmental Engineer  
W. B. Pollution Control Board  
Dept. of Environment, GoWB



Sl. No	Name	Existing configuration	Proposed Configuration	Final configuration After expansion	Final Production Capacity (TPA)	Proposed Stack Height (m)	Proposed Emission Control System
11.	Iron Ore Sinter Plant (Head)	--	250 TPD	250 TPD	80,000	30 m	ESP
	Iron Ore Sinter Plant (Tail)	--				30 m	ESP
12.	Iron Washery	--	1 x 40 TPH	1 x 40 TPH	2,06,000	--	--
13	D.G. Sets	--	03 x 600 KVA	03 x 600 KVA	03 x 600 KVA	13 m (individual)	Exhaust Muffler & Acoustic Enclosure

*W. B. B. B. B.*

*Sr. Environmental Engineer*  
 Sr. Environmental Engineer  
 W. B. Pollution Control Board  
 Dept. of Environment, GoWB

*W. B. B. B. B.*

**Sr. Environmental Engineer (EIM Cell)/Member Secretary**  
**West Bengal Pollution Control Board**

*Sr. Environmental Engineer*  
 W. B. Pollution Control Board  
 Dept. of Environment, GoWB





Special Conditions issued to: M/s Maithan Steel & Power Limited at PO – Bonra, PS – Neturia, Dist - Purulia, West Bengal. (Expansion project)

**I. Specific conditions**

1. Particulate Matter emissions from all the stacks shall not be exceed 30mg/Nm<sup>3</sup>.
2. Water supply from Damodar Valley Corporation (DVC) shall be used and abstraction of ground water shall be discontinued.
3. Rain Water harvesting shall be implemented but no recharge to the ground aquifer is permitted.
4. Water spray systems shall be included to control fugitive dust from raw material stockpiles.
5. Green belt shall be developed in 33% of the total area all along the entire periphery of the plant with a density of 2500 trees per ha.
6. 100 % solid waste generated in the facility shall be utilized.

**II. Air quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules, 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited labs.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986 or NABL accredited labs.
- iii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- iv. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- v. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.
- vi. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.
- vii. The project proponent shall provide primary and secondary fume extraction system for all melting furnaces.
- viii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

**III. Water quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through NABL recognised labs.
- ii. The project proponent shall monitor regularly ground water qual it) at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and, NABL accredited laboratories.



*W. B. Pollution Control Board*  
Sr. Environmental Engineer  
W. B. Pollution Control Board  
Dept. of Environment, GoWB

**Special Conditions issued to: M/s Maithan Steel & Power Limited at PO – Bonra, PS – Neturia, Dist - Purulia, West Bengal. (Expansion project)**

- iii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
  - iv. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- IV. Noise, monitoring and prevention**
- i. Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules. 2000.
- V. Energy Conservation measures**
- i. Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc. to minimize the energy consumption.
- VI. Waste management**
- i. Used refractories shall be recycled as far as possible.
  - ii. Kitchen waste shall be composted or converted to biogas for further use.
- VII. Green Belt**
- i. The project proponent shall prepare GHG emissions inventor) for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.
- VIII. Emergency Preparedness**
- i. Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
  - ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
  - iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
- IX. General :-**
- 1) **All conditions laid down in the Environmental Clearance obtained for the expansion project from MoEF&CC, GoI vide no. J-11011/554/2017-IA-II(I) dated 26.07.2021 must be strictly followed.**
  - 2) Noise Control – Ambient noise & D. G. Set noise level not to exceed the permissible limit.
  - 3) No additional machinery / equipment can be installed without permission from this board.
  - 4) Adequate arrangement for dust suppression in raw material handling section to be provided.
  - 5) The conveyor belt for transferring materials to day bins & skip hoist to be covered.
  - 6) Good house-keeping to be maintained.
  - 7) All requisite permissions / compliance / certificates / licenses from the Competent Authority shall be obtained.
  - 8) Project proponent should not undertake any activity on any portion of land which is not under their possession.
  - 9) This NOC is valid up to **30.09.2028** for setting up the expansion project.



**Sr. Environmental Engineer (EIM Cell)/Member Secretary  
West Bengal Pollution Control Board**

*Sr. Environmental Engineer*  
W. B. Pollution Control Board  
Dept. of Environment, GoWB

## **ANNEXURE – III**

OCEMS DATA FOR THE SIX MONTHLY PERIOD – APRIL'2023 TO  
SEPTEMBER'2023



VILL.: BORA, P.O.: BONRA PURULIA West Bengal 723121

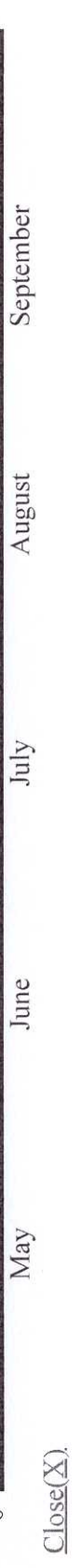
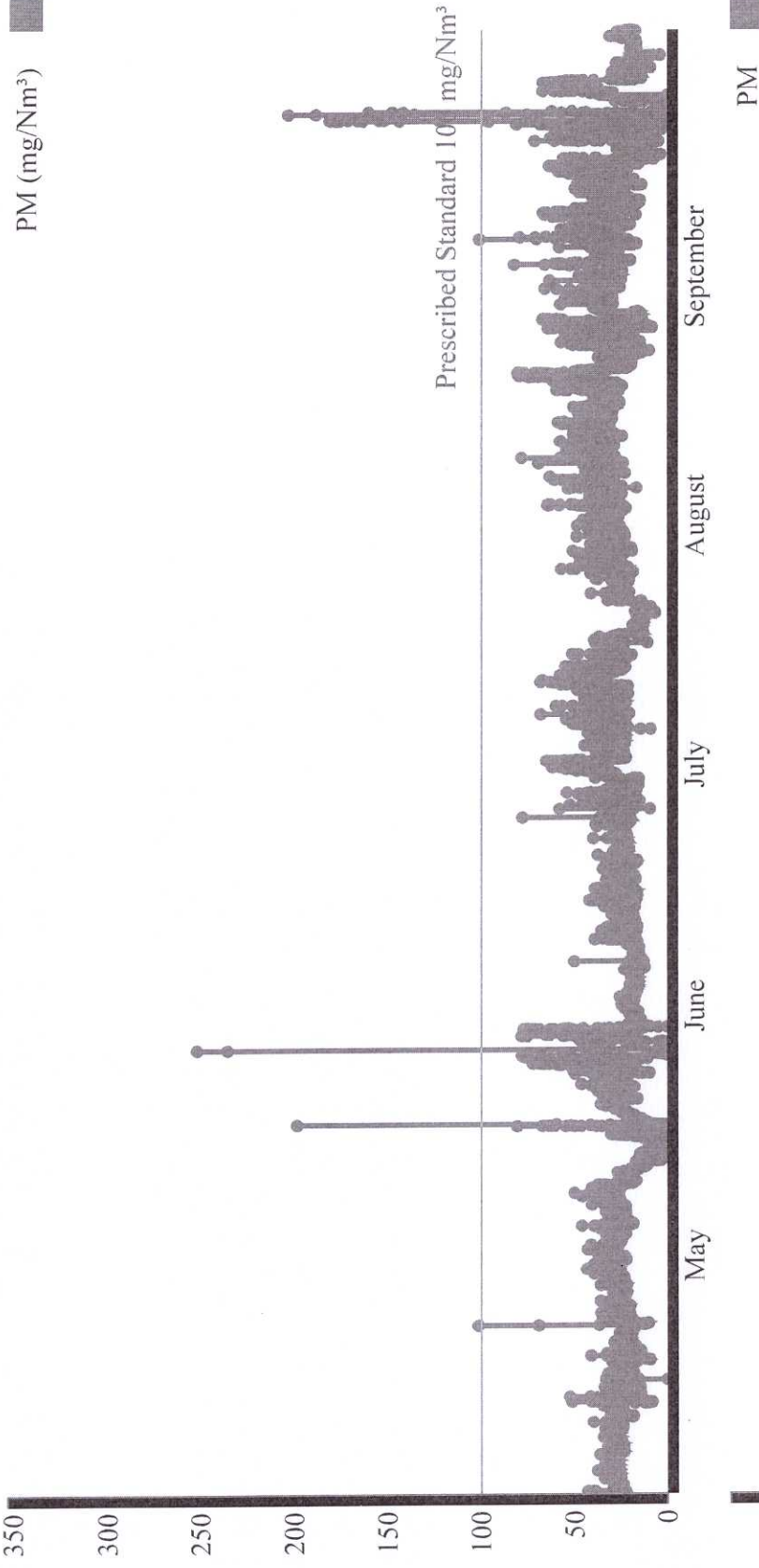
Start Date - 2023-04-01

End Date - 2023-09-30

Average - 15 minutes

Please wait ..

I=U (Usable Data), 4=C (Calibration Data), 5=F (Faulty Data), 6=Z (ZeroCal Data)



Close(X)

# STACK\_1\_DRI\_KILN\_Maithan\_Bonra\_WB - Live:01/Apr/2023 - 30/Sep/2023

Timestamp	SPM(mg/Nm3)
01-Apr-2023 00:00	25.73
02-Apr-2023 00:00	26.62
03-Apr-2023 00:00	27.01
04-Apr-2023 00:00	27.42
05-Apr-2023 00:00	27.52
06-Apr-2023 00:00	26.66
07-Apr-2023 00:00	26.21
08-Apr-2023 00:00	26.64
09-Apr-2023 00:00	26.58
10-Apr-2023 00:00	26.56
11-Apr-2023 00:00	25.51
12-Apr-2023 00:00	24.18
13-Apr-2023 00:00	21.93
14-Apr-2023 00:00	19.16
15-Apr-2023 00:00	22.28
16-Apr-2023 00:00	20.67
17-Apr-2023 00:00	21.49
18-Apr-2023 00:00	19.89
19-Apr-2023 00:00	19.24
20-Apr-2023 00:00	21.89
21-Apr-2023 00:00	20.27
22-Apr-2023 00:00	20.32
23-Apr-2023 00:00	25.44
24-Apr-2023 00:00	24.45
25-Apr-2023 00:00	24.94
26-Apr-2023 00:00	24.69
27-Apr-2023 00:00	25.36
28-Apr-2023 00:00	28.22
29-Apr-2023 00:00	30.25
30-Apr-2023 00:00	28.19
01-May-2023 00:00	32.53
02-May-2023 00:00	28.14
03-May-2023 00:00	26.89
04-May-2023 00:00	28.06
05-May-2023 00:00	24.69
06-May-2023 00:00	27.97
07-May-2023 00:00	29.02
08-May-2023 00:00	32.49
09-May-2023 00:00	29.08
10-May-2023 00:00	21.11
11-May-2023 00:00	20.11
12-May-2023 00:00	12.41
13-May-2023 00:00	4.7
14-May-2023 00:00	4.31
15-May-2023 00:00	6.34



Timestamp	SPM(mg/Nm3)
16-May-2023 00:00	12.58
17-May-2023 00:00	23.67
18-May-2023 00:00	20.35
19-May-2023 00:00	27.3
20-May-2023 00:00	25.23
21-May-2023 00:00	25.49
22-May-2023 00:00	28.8
23-May-2023 00:00	29.19
24-May-2023 00:00	37.52
25-May-2023 00:00	40.43
26-May-2023 00:00	10.66
27-May-2023 00:00	6.42
28-May-2023 00:00	45.81
29-May-2023 00:00	28.47
30-May-2023 00:00	16.73
31-May-2023 00:00	19.02
01-Jun-2023 00:00	20.77
02-Jun-2023 00:00	19.47
03-Jun-2023 00:00	17.48
04-Jun-2023 00:00	16.88
05-Jun-2023 00:00	17.03
06-Jun-2023 00:00	16.1
07-Jun-2023 00:00	16.12
08-Jun-2023 00:00	17.1
09-Jun-2023 00:00	23.02
10-Jun-2023 00:00	22.29
11-Jun-2023 00:00	19.61
12-Jun-2023 00:00	22.23
13-Jun-2023 00:00	21.42
14-Jun-2023 00:00	22.81
15-Jun-2023 00:00	23.39
16-Jun-2023 00:00	25.42
17-Jun-2023 00:00	23.9
18-Jun-2023 00:00	25.39
19-Jun-2023 00:00	22.95
20-Jun-2023 00:00	24.38
21-Jun-2023 00:00	23.24
22-Jun-2023 00:00	24.01
23-Jun-2023 00:00	25.31
24-Jun-2023 00:00	23.71
25-Jun-2023 00:00	24.17
26-Jun-2023 00:00	27.65
27-Jun-2023 00:00	27.55
28-Jun-2023 00:00	18.76
29-Jun-2023 00:00	24.55
30-Jun-2023 00:00	41.38
01-Jul-2023 00:00	39.66



Timestamp	SPM(mg/Nm <sup>3</sup> )
02-Jul-2023 00:00	26.05
03-Jul-2023 00:00	27.41
04-Jul-2023 00:00	25.97
05-Jul-2023 00:00	30.27
06-Jul-2023 00:00	33.9
07-Jul-2023 00:00	30.45
08-Jul-2023 00:00	32.02
09-Jul-2023 00:00	29.37
10-Jul-2023 00:00	32.37
11-Jul-2023 00:00	44.56
12-Jul-2023 00:00	39.25
13-Jul-2023 00:00	31.66
14-Jul-2023 00:00	28.35
15-Jul-2023 00:00	27.69
16-Jul-2023 00:00	28.14
17-Jul-2023 00:00	18.27
18-Jul-2023 00:00	15.24
19-Jul-2023 00:00	13.97
20-Jul-2023 00:00	14.21
21-Jul-2023 00:00	20.89
22-Jul-2023 00:00	24.99
23-Jul-2023 00:00	24.45
24-Jul-2023 00:00	25.24
25-Jul-2023 00:00	26.59
26-Jul-2023 00:00	34.8
27-Jul-2023 00:00	35.09
28-Jul-2023 00:00	27.09
29-Jul-2023 00:00	27.53
30-Jul-2023 00:00	30.33
31-Jul-2023 00:00	35.38
01-Aug-2023 00:00	29.24
02-Aug-2023 00:00	33.89
03-Aug-2023 00:00	32.3
04-Aug-2023 00:00	33.17
05-Aug-2023 00:00	36.43
06-Aug-2023 00:00	32.1
07-Aug-2023 00:00	31.58
08-Aug-2023 00:00	36.61
09-Aug-2023 00:00	37.09
10-Aug-2023 00:00	34.24
11-Aug-2023 00:00	34.97
12-Aug-2023 00:00	39.05
13-Aug-2023 00:00	34.46
14-Aug-2023 00:00	34.85
15-Aug-2023 00:00	31.12
16-Aug-2023 00:00	36.39
17-Aug-2023 00:00	36.14



Timestamp	SPM(mg/Nm3)
18-Aug-2023 00:00	53.81
19-Aug-2023 00:00	31.01
20-Aug-2023 00:00	28.02
21-Aug-2023 00:00	22.08
22-Aug-2023 00:00	38.08
23-Aug-2023 00:00	35.29
24-Aug-2023 00:00	37.01
25-Aug-2023 00:00	32.23
26-Aug-2023 00:00	24.55
27-Aug-2023 00:00	33.96
28-Aug-2023 00:00	34.63
29-Aug-2023 00:00	33.31
30-Aug-2023 00:00	31.98
31-Aug-2023 00:00	27.04
01-Sep-2023 00:00	38.12
02-Sep-2023 00:00	29.77
03-Sep-2023 00:00	28.63
04-Sep-2023 00:00	34.29
05-Sep-2023 00:00	34.3
06-Sep-2023 00:00	30.73
07-Sep-2023 00:00	47.01
08-Sep-2023 00:00	31.72
09-Sep-2023 00:00	24.59
10-Sep-2023 00:00	39.13
11-Sep-2023 00:00	31.92
12-Sep-2023 00:00	41.78
13-Sep-2023 00:00	42.35
14-Sep-2023 00:00	23.46
15-Sep-2023 00:00	16.57
16-Sep-2023 00:00	27.35
17-Sep-2023 00:00	28.09
18-Sep-2023 00:00	26.67
19-Sep-2023 00:00	31.9
20-Sep-2023 00:00	20.4
21-Sep-2023 00:00	2.92
22-Sep-2023 00:00	21.74
23-Sep-2023 00:00	47.6
24-Sep-2023 00:00	28.87
25-Sep-2023 00:00	19.65
26-Sep-2023 00:00	19.43
27-Sep-2023 00:00	17.36
28-Sep-2023 00:00	18.52
29-Sep-2023 00:00	20.79
30-Sep-2023 00:00	23.48

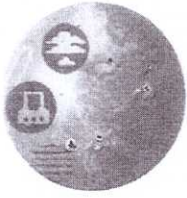




# **ANNEXURE – IV**

**STACK EMISSION MONITORING & ANALYSIS REPORT**





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ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

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	: <b>Maithan Steel &amp; Power Limited</b> (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 <sup>0</sup> 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 <sup>3</sup> / hr	IS 11255 : Part 3
5	Concentration of Particulate Matter	31.18 mg/Nm <sup>3</sup>	IS 11255 : Part 1
6	Concentration of Carbon Dioxide	8.8 %	IS 13270
7	Concentration of SO <sub>2</sub>	111.41 mg/Nm <sup>3</sup>	IS 11255 : Part 2
8	Concentration of NO <sub>x</sub>	58.14 mg/Nm <sup>3</sup>	IS 11255 : Part 7

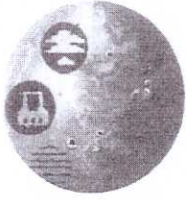
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2. Sample(s) will be destroyed after 7 days from date of issues of the Test Report subject to nature of Preservation. Sample will be preserved as per the standard method.
3. The Test report shall not be reproduced, without the written approval of laboratory

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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	: <b>Maithan Steel &amp; Power Limited</b> (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 <sup>0</sup> C	IS 11255 : Part 3
2	Barometric Pressure	755 mm Hg	IS 11255 : Part 3
3	Velocity of Flue Gas	6.37 m/sec	IS 11255 : Part 3
4	Flue Gas Quantity	6049 Nm <sup>3</sup> /hr	IS 11255 : Part 3
5	Concentration of Particulate Matter	28.33 mg/Nm <sup>3</sup>	IS 11255 : Part 1
6	Concentration of Carbon Dioxide	----	IS 13270
7	Concentration of SO <sub>2</sub>	----	IS 11255 : Part 2
8	Concentration of NO <sub>x</sub>	----	IS 11255 : Part 7

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3. The Test report shall not be reproduced, without the written approval of laboratory

  
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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	: <b>Maithan Steel &amp; Power Limited</b> (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 <sup>0</sup> C	IS 11255 : Part 3
2	Barometric Pressure	755 mm Hg	IS 11255 : Part 3
3	Velocity of Flue Gas	6.50 m/sec	IS 11255 : Part 3
4	Flue Gas Quantity	5111 Nm <sup>3</sup> / hr	IS 11255 : Part 3
5	Concentration of Particulate Matter	26.05 mg/Nm <sup>3</sup>	IS 11255 : Part 1
6	Concentration of Carbon Dioxide	----	IS 13270
7	Concentration of SO <sub>2</sub>	----	IS 11255 : Part 2
8	Concentration of NO <sub>x</sub>	----	IS 11255 : Part 7

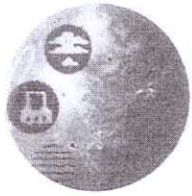
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3. The Test report shall not be reproduced, without the written approval of laboratory

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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 : <b>Maithan Steel &amp; Power Limited</b> (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 <sup>0</sup> C	IS 11255 : Part 3
2 Barometric Pressure	755 mm Hg	IS 11255 : Part 3
3 Velocity of Flue Gas	6.70 m/sec	IS 11255 : Part 3
4 Flue Gas Quantity	6328 Nm <sup>3</sup> / hr	IS 11255 : Part 3
5 Concentration of Particulate Matter	24.36 mg/Nm <sup>3</sup>	IS 11255 : Part 1
6 Concentration of Carbon Dioxide	----	IS 13270
7 Concentration of SO <sub>2</sub>	----	IS 11255 : Part 2
8 Concentration of NO <sub>x</sub>	----	IS 11255 : Part 7

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3. The Test report shall not be reproduced, without the written approval of laboratory

  
Authorised Signatory

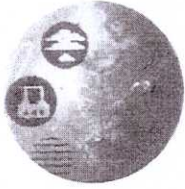
Dr. Mousumi Pal  
Ph.D.(Env.), Scientist  
Authorised Signatory



# **ANNEXURE – V**

**FUGITIVE / WORKZONE AIR QUALITY MONITORING & ANALYSIS REPORT**





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ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

ULR NO – TC510923000000780F

Format No. : EC/TRT/42/FM/02

### TEST REPORT

Report Release Date : 09.06.2023	Sample Ref. No.(ARF) : EC/ARF/29/230605
Test Report No : EC/TR/42/06009	Source of Sample : Sponge Iron Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 06.06.2023
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 07.06.23 to 08.06.23
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited (Unit – I) Vill + P.O – Bonra, P.S – Neturia Dist – Purulia West Bengal, Pin No. 723121	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Sample Drawn By : ECO CARE
	Deviation if any : None

#### METEOROLOGICAL INFORMATION

1	Average Temperature	34.3 °C	2	Barometric Pressure	753 mm Hg
3	Average Relative Humidity	42.0 %	4	Weather Condition	Clear Day

#### 1. Sampling Location : Near Product House

Sl. No.	Parameters	Test Method	Results
1	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	396.76 µg/M <sup>3</sup>

#### 2. Sampling Location : Near Raw Material Yard

Sl. No.	Parameters	Test Method	Results
1	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	408.94 µg/M <sup>3</sup>

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.

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ULR NO – TC510923000001084F

Format No. : EC/TRT/42/FM/03

### TEST REPORT

Report Release Date : 14.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230908
Test Report No : EC/TR/42/09016	Source of Sample : Sponge Iron Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 08.09.2023
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 11.09.23 to 12.09.23
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : <b>Maithan Steel &amp; Power Limited</b> (Unit – I) Vill + PO – Bonra, PS – Neturia Dist – Purulia West Bengal – 723121	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Sample Drawn By : ECO CARE
	Deviation if any : None

#### METEOROLOGICAL INFORMATION

1	Average Temperature	29.4 °C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	77.0 %	4	Weather Condition	Clear Day

#### 1. Sampling Location : Near Product House

Sl. No.	Parameters	Test Method	Industrial Area Standard Limit	Results
(i)	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	500 µg/m <sup>3</sup>	412.65 µg/m <sup>3</sup>

#### 2. Sampling Location : Near Raw Material Yard

Sl. No.	Parameters	Test Method	Industrial Area Standard Limit	Results
(i)	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	500 µg/m <sup>3</sup>	446.25 µg/m <sup>3</sup>

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.

*M Pal*

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**Dr. Mousumi Pal**  
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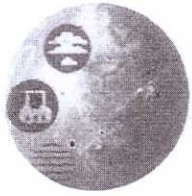




# **ANNEXURE – VI**

**AMBIENT AIR QUALITY (AAQ) MONITORING & ANALYSIS REPORT**





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ULR NO – TC51092300001082F

Format No. : EC/TRT/42/FM/03

### TEST REPORT

Report Release Date : 14.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230908
Test Report No : EC/TR/42/09014	Source of Sample : Sponge Iron Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 08.09.23 to 09.09.23
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 11.09.23 to 12.09.23
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : <b>Maithan Steel &amp; Power Limited</b> (Unit – I) Vill + PO – Bonra, PS - Neturia Dist – Purulia West Bengal - 723121	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Sample Drawn By : ECO CARE
	Deviation if any : None

#### METEOROLOGICAL INFORMATION

1	Average Temperature	29.4 °C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	77.0 %	4	Weather Condition	Clear Day

#### AMBIENT AIR QUALITY ANALYSIS REPORT

TEST METHOD	IS : 5182 ( Part – 2 )	IS : 5182 ( Part – 6 )	IS : 5182 ( Part – 23 )	EPA CFR40(pt50), Appendix 1
PARAMETERS	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )
Method Detection Limit	5	8	20	10
Industrial Area Standard Limit	80	80	100	60

#### 1. Sampling Location : Near Main Gate (Inside of the Plant)

Shift	Time	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )
Shift - A	(09:20 AM To 05:20 PM)	35.71	38.96	81.23	35.14
Shift - B	(05:30 PM To 01:30 AM)	22.32	30.15	68.42	
Shift - C	(01:40 AM To 09:40 AM)	31.25	35.57	76.35	
Average	(Shift - A To Shift - C)	29.76	34.89	75.33	

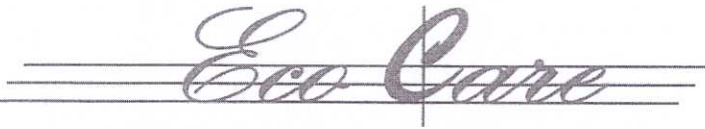
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ULR NO – TC510923000001083F

Format No. : EC/TRT/42/FM/03

### TEST REPORT

Report Release Date : 14.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230908
Test Report No : EC/TR/42/09015	Source of Sample : Sponge Iron Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 08.09.23 to 09.09.23
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 11.09.23 to 12.09.23
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : <b>Maithan Steel &amp; Power Limited</b> (Unit – I) Vill + PO – Bonra, PS – Neturia Dist – Purulia West Bengal – 723121	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Sample Drawn By : ECO CARE
	Deviation if any : None

#### METEOROLOGICAL INFORMATION

1	Average Temperature	29.4 °C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	77.0 %	4	Weather Condition	Clear Day

#### AMBIENT AIR QUALITY ANALYSIS REPORT

TEST METHOD	IS : 5182 ( Part – 2 )	IS : 5182 ( Part – 6 )	IS : 5182 ( Part – 23 )	EPA CFR40(pt50), Appendix 1
PARAMETERS	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )
Method Detection Limit	5	8	20	10
Industrial Area Standard Limit	80	80	100	60
<b>2. Sampling Location : Near Murulia Village (Out Side of the Plant)</b>				
Shift - A (09:40 AM To 05:40 PM)	22.32	27.44	61.25	29.14
Shift - B (05:50 PM To 01:50 AM)	08.93	18.63	49.36	
Shift - C (02:00 AM To 10:00 AM)	17.86	24.05	58.45	
Average (Shift - A To Shift - C)	16.37	23.37	56.35	
<b>3. Sampling Location : Near Mautha Village (Out Side of the Plant)</b>				
Shift - A (10:00 AM To 06:00 PM)	26.79	29.47	62.20	27.46
Shift - B (06:10 PM To 02:10 AM)	13.39	19.31	46.13	
Shift - C (02:20 AM To 10:20 AM)	22.32	25.41	57.82	
Average (Shift - A To Shift - C)	20.83	24.73	55.38	
<b>4. Sampling Location : Near Bonra Village (Out Side of the Plant)</b>				
Shift - A (10:20 AM To 06:20 PM)	31.25	34.21	67.29	33.56
Shift - B (06:30 PM To 02:30 AM)	17.86	23.37	48.70	
Shift - C (02:40 AM To 10:40 AM)	26.79	30.83	60.93	
Average (Shift - A To Shift - C)	25.30	29.47	58.97	

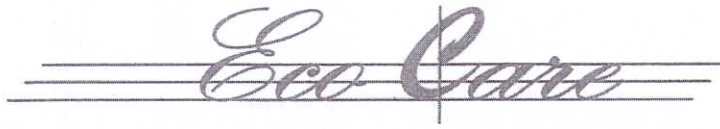
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3. The Test report shall not be reproduced, without the written approval of laboratory.

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ULR NO – TC510923000001570P

### TEST REPORT

Report Release Date : 14.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230908
Test Report No : EC/TR/42/09302	Source of Sample : Sponge Iron Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 08.09.23 to 09.09.23
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 09.09.23 to 11.09.23
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : <b>Maithan Steel &amp; Power Limited</b>	Remarks : ----
(Unit – I)	Sample Drawn By : ECO CARE
Village – PO – Bonra, PS – Neturia	Deviation if any : None
Dist – Purulia	
West Bengal – 723121	

### METEOROLOGICAL INFORMATION

1	Average Temperature	29.4 °C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	79.0 %	4	Weather Condition	Clear Day

### CARBON MONOXIDE ANALYSIS REPORT

#### 1. Sampling Location : Near Main Gate (Inside of the Plant)

PARAMETERS	TEST METHOD	UNIT	INDUSTRIAL AREA STANDARD LIMIT	RESULT
Carbon Monoxide ( CO )	NDIR SPEYCTROSCOP	mg/m <sup>3</sup>	10.0	0.158

#### 2. Sampling Location : Near Murulia Village (Out Side of the Plant)

PARAMETERS	TEST METHOD	UNIT	RESIDENTIAL,RURAL & OTHER AREAS STANDARD LIMIT	RESULT
Carbon Monoxide ( CO )	NDIR SPEYCTROSCOP	mg/m <sup>3</sup>	4	0.127

#### 3. Sampling Location : Near Mautha Village (Out Side of the Plant)

PARAMETERS	TEST METHOD	UNIT	RESIDENTIAL,RURAL & OTHER AREAS STANDARD LIMIT	RESULT
Carbon Monoxide ( CO )	NDIR SPEYCTROSCOP	mg/m <sup>3</sup>	4	0.108

#### 4. Sampling Location : Near Bonra Village (Out Side of the Plant)

PARAMETERS	TEST METHOD	UNIT	RESIDENTIAL,RURAL & OTHER AREAS STANDARD LIMIT	RESULT
Carbon Monoxide ( CO )	NDIR SPEYCTROSCOP	mg/m <sup>3</sup>	4	0.119

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*mfal*

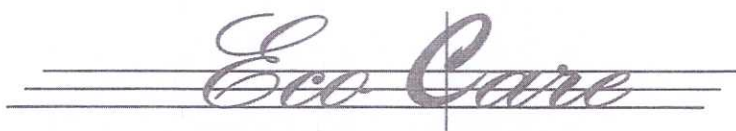
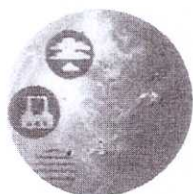
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**ANNEXURE – VII**  
WATER QUALITY ANALYSIS REPORT





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ULR NO – TC510923000001085F

Format No. : EC/TRT/42/FM/06

### TEST REPORT

Report Release Date : 14.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230908
Test Report No : EC/TR/42/09017	Source of Sample : Sponge Iron Plant
Type of Sample : Surface Water	Sampling Date : 08.09.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 11.09.23 to 12.09.23
Sample Details : Supply Water	Sampling Location : Near Office
Name & Address : <b>Maithan Steel &amp; Power Limited</b>	Sample Condition : Sealed & Preserved
(Unit – I)	Sample Stamped as : M – 01
Vill + PO – Bonra, PS – Neturia	Sample Drawn By : ECO CARE
Dist – Purulia	Remarks : ---
West Bengal – 723121	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (IS & APHA 23 <sup>rd</sup> Edition)	Standards (IS:10500)	Results
1	pH at 26.4 °C		4500-H <sup>+</sup> B	6.5 – 8.5	7.28
2	TDS	mg/l	2540 C	500.0	258.70
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	2320 B	200.0	89.61
5	Chloride (as Cl)	mg/l	4500 – Cl <sup>-</sup> B	250.0	18.10
6	Calcium (as Ca)	mg/l	3500 – Ca B	75.0	30.25
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO <sub>3</sub> )	mg/l	2340 C	200.0	97.92
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.07
10	Sulphate (as SO <sub>4</sub> )	mg/l	4500 – SO <sub>4</sub> <sup>2-</sup> E	200.0	13.48
11	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	5.45
12	Arsenic	mg/l	IS 3025 (Part-37)	0.01	< 0.01
13	Colour	Hazen	2120B	5.0	< 5
14	Fluoride (as F)	mg/l	4500F– B & D	1.0	0.26
15	Nitrate (as NO <sub>3</sub> )	mg/l	4500 – NO <sub>3</sub> <sup>-</sup> B	45.0	1.85
16	Chlorine Residual	mg/l	IS 3025 (Part-26)	0.2	< 0.50

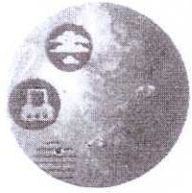
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3. The Test report shall not be reproduced, without the written approval of laboratory.

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ULR NO – TC510923000001085P

## TEST REPORT (Part – B)

Report Release Date : 14.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230908
Test Report No : EC/TR/42/09017	Source of Sample : Sponge Iron Plant
Type of Sample : Surface Water	Sampling Date : 08.09.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 11.09.23 to 12.09.23
Sample Details : Supply Water	Sampling Location : Near Office
Name & Address : <b>Maithan Steel &amp; Power Limited</b>	Sample Condition : Sealed & Preserved
(Unit – I)	Sample Stamped as : M - 01
Vill + PO – Bonra, PS – Neturia	Sample Drawn By : ECO CARE
Dist – Purulia	Remarks : ----
West Bengal – 723121	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (IS & APHA 23 <sup>rd</sup> Edition)	Standards (IS:10500)	Results
17	Odour	--	2150B	Agreeable	Agreeable
18	Taste	--	2160 B	----	Agreeable
19	T. Coliform	MPN/100ml	9221 B	Not Detectable	Not Detected
20	E. Coli or Thermo tolerant Coliform Bacteria	MPN/100ml	9221 B	Absent	Absent

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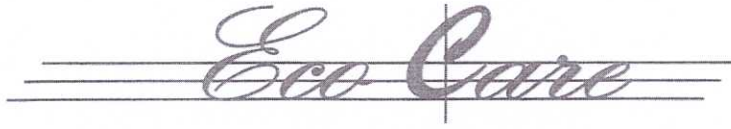


# **ANNEXURE – VIII**

**POST MONSOON GROUND WATER QUALITY MONITORING & ANALYSIS  
REPORT**







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ULR NO – TC510923000001086F

Format No. : EC/TRT/42/FM/06

### TEST REPORT

Report Release Date : 14.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230908
Test Report No : EC/TR/42/09018	Source of Sample : Sponge Iron Plant
Type of Sample : Ground Water	Sampling Date : 08.09.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 11.09.2023
Sample Details : Bore Well	Sampling Location : Murulia Village
Name & Address : Maithan Steel & Power Limited	Sample Condition : Sealed & Preserved
(Unit – I)	Sample Stamped as : M – 02
Vill + PO – Bonra, PS – Neturia	Sample Drawn By : ECO CARE
Dist – Purulia	Remarks : ---
West Bengal – 723121	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (IS & APHA 23 <sup>rd</sup> Edition)	Standards (IS:10500)	Results
1	pH at 26.3 °C		4500-H <sup>+</sup> B	6.5 – 8.5	7.11
2	TDS	mg/l	2540 C	500.0	244.50
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	2320 B	200.0	87.55
5	Chloride (as Cl)	mg/l	4500 – Cl <sup>-</sup> B	250.0	21.04
6	Calcium (as Ca)	mg/l	3500 – Ca B	75.0	29.43
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO <sub>3</sub> )	mg/l	2340 C	200.0	99.96
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.12
10	Sulphate (as SO <sub>4</sub> )	mg/l	4500 – SO <sub>4</sub> <sup>2-</sup> E	200.0	25.13
11	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	6.44
12	Arsenic	mg/l	IS 3025 (Part-37)	0.01	< 0.01
13	Colour	Hazen	2120B	5.0	< 5
14	Fluoride (as F)	mg/l	4500F– B & D	1.0	0.20
15	Nitrate (as NO <sub>3</sub> )	mg/l	4500 – NO <sub>3</sub> <sup>-</sup> B	45.0	1.30
16	Chlorine Residual	mg/l	IS 3025 (Part-26)	0.2	< 0.50

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ULR NO – TC510923000001087F

Format No. : EC/TRT/42/FM/06

### TEST REPORT

Report Release Date : 14.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230908
Test Report No : EC/TR/42/09019	Source of Sample : Sponge Iron Plant
Type of Sample : Ground Water	Sampling Date : 08.09.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 11.09.2023
Sample Details : Bore Well	Sampling Location : Mautha Village
Name & Address : <b>Maithan Steel &amp; Power Limited</b>	Sample Condition : Sealed & Preserved
(Unit – I)	Sample Stamped as : M – 03
Vill + PO – Bonra, PS – Neturia	Sample Drawn By : ECO CARE
Dist – Purulia	Remarks : ----
West Bengal – 723121	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (IS & APHA 23 <sup>rd</sup> Edition)	Standards (IS:10500)	Results
1	pH at 26.5 °C		4500-H <sup>+</sup> B	6.5 – 8.5	7.22
2	TDS	mg/l	2540 C	500.0	253.20
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	2320 B	200.0	94.76
5	Chloride (as Cl)	mg/l	4500 – Cl <sup>-</sup> B	250.0	20.06
6	Calcium (as Ca)	mg/l	3500 – Ca B	75.0	29.43
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO <sub>3</sub> )	mg/l	2340 C	200.0	104.04
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.12
10	Sulphate (as SO <sub>4</sub> )	mg/l	4500 – SO <sub>4</sub> <sup>2-</sup> E	200.0	17.45
11	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	7.44
12	Arsenic	mg/l	IS 3025 (Part-37)	0.01	< 0.01
13	Colour	Hazen	2120B	5.0	< 5
14	Fluoride (as F)	mg/l	4500F– B & D	1.0	0.28
15	Nitrate (as NO <sub>3</sub> )	mg/l	4500 – NO <sub>3</sub> <sup>-</sup> B	45.0	1.48
16	Chlorine Residual	mg/l	IS 3025 (Part-26)	0.2	< 0.50

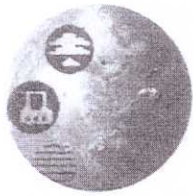
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ULR NO – TC510923000001088F

Format No. : EC/TR/42/FM/06

### TEST REPORT

Report Release Date : 14.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230908
Test Report No : EC/TR/42/09020	Source of Sample : Sponge Iron Plant
Type of Sample : Ground Water	Sampling Date : 08.09.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 11.09.2023
Sample Details : Bore Well	Sampling Location : Bonra Village
Name & Address : <b>Maithan Steel &amp; Power Limited</b> <b>(Unit – I)</b> Vill + PO – Bonra, PS – Neturia Dist – Purulia West Bengal – 723121	Sample Condition : Sealed & Preserved
	Sample Stamped as : M – 04
	Sample Drawn By : ECO CARE
	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (IS & APHA 23 <sup>rd</sup> Edition)	Standards (IS:10500)	Results
1	pH at 26.4 °C		4500-H <sup>+</sup> B	6.5 – 8.5	7.19
2	TDS	mg/l	2540 C	500.0	224.10
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	2320 B	200.0	93.73
5	Chloride (as Cl)	mg/l	4500 – Cl <sup>-</sup> B	250.0	18.10
6	Calcium (as Ca)	mg/l	3500 – Ca B	75.0	25.35
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO <sub>3</sub> )	mg/l	2340 C	200.0	97.92
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.09
10	Sulphate (as SO <sub>4</sub> )	mg/l	4500 – SO <sub>4</sub> <sup>2-</sup> E	200.0	16.01
11	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	8.43
12	Arsenic	mg/l	IS 3025 (Part-37)	0.01	< 0.01
13	Colour	Hazen	2120B	5.0	< 5
14	Fluoride (as F)	mg/l	4500F– B & D	1.0	0.31
15	Nitrate (as NO <sub>3</sub> )	mg/l	4500 – NO <sub>3</sub> <sup>-</sup> B	45.0	2.15
16	Chlorine Residual	mg/l	IS 3025 (Part-26)	0.2	< 0.50

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ULR NO – TC510923000001088P

## TEST REPORT (Part – B)

Report Release Date	: 14.09.2023	Sample Ref. No.(ARF)	: EC/ARF/29/230908
Test Report No	: EC/TR/42/09020	Source of Sample	: Sponge Iron Plant
Type of Sample	: Ground Water	Sampling Date	: 08.09.2023
Sample Collected by	: Mr. Sumit Sarkar	Period of Analysis	: 11.09.2023
Sample Details	: Bore Well	Sampling Location	: Bonra Village
Name & Address	: <b>Maithan Steel &amp; Power Limited</b> <b>(Unit – I)</b> Vill + PO – Bonra, PS – Neturia Dist – Purulia West Bengal – 723121	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: M – 04
		Sample Drawn By	: ECO CARE
		Remarks	: ----
		Sampling Plan & Procedure	: EC/SOP/03/01
		Deviation if any	: None

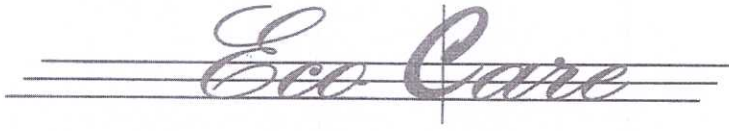
Sl. No.	Parameters	Unit	Test Method (IS & APHA 23 <sup>rd</sup> Edition)	Standards (IS:10500)	Results
17	Odour	--	2150B	Agreeable	Agreeable
18	Taste	--	2160 B	----	Agreeable
19	T. Coliform	MPN/100ml	9221 B	Not Detectable	Not Detected
20	E. Coli or Thermo tolerant Coliform Bacteria	MPN/100ml	9221 B	Absent	Absent

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ULR NO – TC510923000001569F

Format No. : EC/TRT/42/FM/06

### TEST REPORT

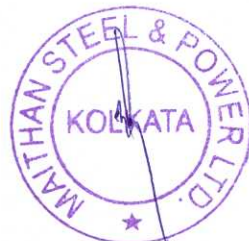
Report Release Date : 14.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230908
Test Report No : EC/TR/42/09305	Source of Sample : Sponge Iron Plant
Type of Sample : Ground Water	Sampling Date : 08.09.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 11.09.23 to 12.09.23
Sample Details : Bore Well	Sampling Location : Bore Well of Inside the Factory
Name & Address : <b>Maithan Steel &amp; Power Limited (Unit – I)</b> Vill + PO – Bonra, PS – Neturia Dist – Purulia West Bengal – 723121	Sample Condition : Sealed & Preserved
	Sample Stamped as : MS – 128
	Sample Drawn By : ECO CARE
	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (IS & APHA 23 <sup>rd</sup> Edition)	Standards (IS:10500)	Results
1	pH at 25.4 °C		4500-H <sup>+</sup> B	6.5 – 8.5	7.18
2	TDS	mg/l	2540 C	500.0	334.30
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	2320 B	200.0	113.30
5	Chloride (as Cl)	mg/l	4500 – Cl <sup>-</sup> B	250.0	28.86
6	Calcium (as Ca)	mg/l	3500 – Ca B	75.0	38.43
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO <sub>3</sub> )	mg/l	2340 C	200.0	140.76
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.09
10	Sulphate (as SO <sub>4</sub> <sup>-2</sup> )	mg/l	4500 – SO <sub>4</sub> <sup>-2</sup> E	200.0	21.32
11	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	10.51
12	Arsenic	mg/l	IS 3025 (Part-37)	0.01	< 0.01
13	Colour	Hazen	2120B	5.0	< 5.0
14	Fluoride (as F)	mg/l	4500F– B & D	1.0	0.28
15	Nitrate (as NO <sub>3</sub> )	mg/l	4500 – NO <sub>3</sub> <sup>-</sup> B	45.0	2.58
16	Chlorine Residual	mg/l	IS 3025 (Part-26)	0.2	< 0.50

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

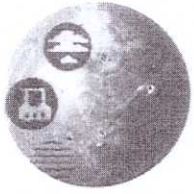
Dr. Mousumi Pal  
Ph.D.(Env.), Scientist  
Authorised Signatory



# **ANNEXURE – IX**

**WORKZONE & AMBIENT NOISE QUALITY MONITORING & ANALYSIS 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 – TC510923000001571F

Format No. : EC/TRT/42/FM/07

### TEST REPORT

Report Release Date : 14.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230908
Test Report No : EC/TR/42/09303	Source of Sample : Sponge Iron Plant
Type of Sample : Noise	Sampling Date : 08.09.23 to 09.09.23
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : ----
Sample Details : Source Noise (Inside of the Plant)	Sample Condition : ----
Name & Address : <b>Maithan Steel &amp; Power Limited</b>	Remarks : ----
(Unit – I)	Sample Drawn By : ECO CARE
Vill + PO – Bonra, PS – Neturia	Sampling Plan &
Dist – Purulia	Procedure : EC/SOP/03/01
West Bengal – 723121	Deviation if any : None

#### Standard Noise Limit in dB(A) Leq & Sampling Location: Near DRI Area

Area Code	Category of Area	Night Time ( 9 PM–6 AM )	Day Time ( 6AM – 9 PM )
A	Industrial Area	70	75
B	Commercial Area	55	65
C	Residential Area	45	55
D	Silence Zone	40	50

SL No.	Time	Minimum	Leq – Mean	Maximum
1	10:40Hrs to11:40 Hrs	44.60 dB(A)	59.20 dB(A)	61.40 dB(A)
2	11:40 Hrs to12:40 Hrs	49.00 dB(A)	64.44 dB(A)	68.50 dB(A)
3	12:40 Hrs to01:40 Hrs	60.50 dB(A)	69.30 dB(A)	74.80 dB(A)
4	01:40 Hrs to02:40 Hrs	50.80 dB(A)	58.90 dB(A)	62.30 dB(A)
5	02:40 Hrs to03:40 Hrs	62.30 dB(A)	69.13 dB(A)	73.20 dB(A)
6	03:40 Hrs to04:40 Hrs	63.40 dB(A)	67.83 dB(A)	70.30 dB(A)
7	04:40 Hrs to05:40 Hrs	67.20 dB(A)	69.91 dB(A)	72.40 dB(A)
8	05:40 Hrs to06:40 Hrs	65.40 dB(A)	67.92 dB(A)	71.30 dB(A)
9	06:40 Hrs to07:40 Hrs	59.10 dB(A)	63.34 dB(A)	66.60 dB(A)
10	07:40 Hrs to08:40 Hrs	62.10 dB(A)	66.13 dB(A)	69.70 dB(A)
11	08:40 Hrs to 09:40 Hrs	50.60 dB(A)	59.37 dB(A)	63.10 dB(A)
12	09:40 Hrs to10:40 Hrs	63.50 dB(A)	70.84 dB(A)	75.10 dB(A)
13	10:40 Hrs to11:40 Hrs	57.30 dB(A)	68.74 dB(A)	73.40 dB(A)
14	11:40 Hrs to12:40 Hrs	57.10 dB(A)	65.04 dB(A)	69.60 dB(A)
15	12:40 Hrs to01:40 Hrs	51.30 dB(A)	60.11 dB(A)	64.20 dB(A)
16	01:40 Hrs to02:40 Hrs	66.70 dB(A)	70.16 dB(A)	72.70 dB(A)
17	02:40 Hrs to03:40 Hrs	48.10 dB(A)	57.92 dB(A)	62.00 dB(A)
18	03:40 Hrs to04:40 Hrs	54.70 dB(A)	60.35 dB(A)	63.40 dB(A)
19	04:40 Hrs to05:40 Hrs	69.10 dB(A)	70.91 dB(A)	73.50 dB(A)
20	05:40 Hrs to06:40 Hrs	62.60 dB(A)	68.38 dB(A)	71.80 dB(A)
21	06:40 Hrs to07:40 Hrs	50.70 dB(A)	59.67 dB(A)	64.10 dB(A)
22	07:40 Hrs to08:40 Hrs	59.40 dB(A)	68.07 dB(A)	74.80 dB(A)
23	08:40 Hrs to09:40 Hrs	51.60 dB(A)	59.63 dB(A)	62.90 dB(A)
24	09:40 Hrs to10:40 Hrs	47.80 dB(A)	58.40 dB(A)	62.70 dB(A)

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



*(Signature)*  
Authorised Signatory

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



# Eco Care



Phone : (0341) 2252011

Email : [ecocareasansol@rediffmail.com](mailto: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 – TC510923000001572F

Format No. : EC/TRT/42/FM/07

## TEST REPORT

Report Release Date : 14.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230908
Test Report No : EC/TR/42/09304	Source of Sample : Sponge Iron Plant
Type of Sample : Noise	Sampling Date : 08.09.23 to 09.09.23
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : ----
Sample Details : Ambient Noise (Inside of the Plant)	Sample Condition : ----
Name & Address : <b>Maithan Steel &amp; Power Limited</b>	Remarks : ----
(Unit – I)	Sample Drawn By : ECO CARE
Vill + PO – Bonra, PS – Neturia	Sampling Plan &
Dist – Purulia	Procedure : EC/SOP/03/01
West Bengal – 723121	Deviation if any : None

## METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	29.4
2	Average Relative Humidity (%)	79.0
3	Barometric Pressure (mm of Hg)	755
4	Weather Condition	Clear Day

Noise Limit in dB(A) Leq

Area Code	Category of Area	Night Time ( 9 PM – 6 AM )	Day Time ( 6AM – 9 PM )
A	Industrial Area	70	75
B	Commercial Area	55	65
C	Residential Area	45	55
D	Silence Zone	40	50

## AMBIENT NOISE QUALITY REPORT

Sampling Location		NOISE LEVEL		
		Minimum	Leq – Mean	Maximum
1. Near Main Gate	Day	62.30 dB(A)	69.13 dB(A)	73.20 dB(A)
	Night	57.10 dB(A)	65.04 dB(A)	69.60 dB(A)
2. Near Bonra Village	Day	44.90 dB(A)	51.17 dB(A)	54.90 dB(A)
	Night	35.80 dB(A)	38.61 dB(A)	41.30 dB(A)
3. Near Murulia Village	Day	44.40 dB(A)	52.36 dB(A)	58.60 dB(A)
	Night	37.10 dB(A)	41.29 dB(A)	43.70 dB(A)

1. Test values are reported based on the samples received.

2. The Test report shall not be reproduced, without the written approval of laboratory

Authorised Signatory

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





# **ANNEXURE – XI**

OCCUPATIONAL HEALTH & SAFETY (OHS) RECORD



FORM NO. 17

Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958

1. Serial No. in the Register of adult worker: **Mr. Ajit Das**  
 2. Name of worker: **Mr. Ajit Das**  
 3. Sex: **Male**  
 4. Date of Birth: **01.12.1972**

Department/ works	Name of hazardous process	Dangerous process/ operation	Nature of job or occupation	Have multiple products or operations likely to be exposed to	Date of posting	Date of transfer to other work	Reason for discharge/ transfer to other work	Medical Signs and symptoms observed during examination
					6	7	8	9
1	2	3	4	5	6	7	8	9
1	2	3	Manager		2/3/22			
					18/01/22			
					21/08/23			
					28/01/23			

as amended vide Notification No. 1183/W-IR-191 dated 27th Nov. 1991

REGISTER

examination and the results thereof	Fit/Unfit	Period of absence from that work	If declared unfit for work Reasons for such declaration	Date of returning to that work	Date of issuing fitness Certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
10	11	12	13	14	15	16
BP - 122/82 Pulse - 87/m Chest - clear RR - 14/m Height - 5.8" Weight - 74kg Anaemia - Nil S.P.O2 - 99% Auscultation - B+B-group - B+	Fit					Dr. S. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
BP - 118/80 Pulse - 76/m Chest - clear RR - 14/m Height - 5.8" Weight - 77kg Anaemia - Nil S.P.O2 - 97% B-group - B+	Fit					DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
BP - 120/80 Pulse - 76/m Chest - clear RR - 14/m Height - 5.8" Weight - 76kg Anaemia - Nil S.P.O2 - 98% B-group - B+	Fit					DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
BP - 120/80 Pulse - 76/m Chest - clear RR - 14/m Height - 5.8" Weight - 74kg Anaemia - Nil S.P.O2 - 98% B-group - B+	Fit					DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415



Separate page should be maintained for individual worker.  
Fresh entry should be made for each examination.

# REGISTER

as amended vide Notification No. 1183-L.W-1R-1/91 dated 27th Nov. 1991

# REGISTER

as amended under Rules 63 & 94 of The West Bengal Factories Rules, 1958

FORM NO. 17

1. Serial No in the Register of adult worker :  
 2. Name of worker : **Mr. Santanu Mondal**  
 3. Sex : **Male** Date of Birth : **21.10.1976**

Department/ works	Name of hazardous process	Dangerous process/ operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving posting for work	Reason for discharge/ transfer to other work	Medical Signs and symptoms observed during examination
L.A.			Sr. Manager		23/22	7	B	9
					15/09/22			
					21/03/25			
					20/09/25			

Note - 1. Separate page should be maintained for individual worker.  
 2. Fresh entry should be made for each examination

examination and the results thereof	Result Fit/Unfit	If declared unfit for work				Date of issuing fitness Certificate	Signature with date of the Factory Medical Officer / Surgeon
		Percent of Temporary withdrawal from that work	Reasons for such withdrawal	Date of resuming work for that work	Date of resuming work for that work		
10 10 - 124/84 Pulse - 75/14 chest - clear RR - 14/m Height - 5.7" Weight - 72kgs Anaemia - Nil B group - B+SpO2 - 99%	11 Fit	12	13	14	15	Dr. Santanu Mondal MBBS (Gen. Med. & S.H. 19211) M.D. (Gen. Med.) Regd. No. - 5415	
Bp - 120/80 Pulse - 88/m chest - clear RR - 14/m Height - 5.7" Weight - 76kgs Anaemia - Nil B group - B+ SpO2 - 96%	Fit					DR. R. K. SHARMA MBBS (Gen. Med. & S.H. 19211) M.D. (Gen. Med.) Regd. No. - 5415	
Bp - 118/80 Pulse - 76/m chest - clear RR - 14/m Height - 5.7" Weight - 75kgs Anaemia - Nil B group - B+ SpO2 - 98%	Fit					DR. R. K. SHARMA MBBS (Gen. Med. & S.H. 19211) M.D. (Gen. Med.) Regd. No. - 5415	
Bp - 120/80 Pulse - 74/m chest - clear RR - 14/m Height - 5.7" Weight - 74kgs Anaemia - Nil B group - B+ SpO2 - 98%	Fit					DR. R. K. SHARMA MBBS (Gen. Med. & S.H. 19211) M.D. (Gen. Med.) Regd. No. - 5415	



as amended vide Notification No. 1183-J.W.-1R-191 dated 27th Nov. 1991

1. Serial No in the Register of adult worker: [Prescribed under Rules 61 & 64 of the West Bengal factories rules, 1958]

2. Name of worker: Mr. Sambash Kumar Poddar

3. Sex: Male 4. Date of Birth: 23.09.1973

Department/works	Name of hazardous process	Dangerous process/operation	Nature of job or occupation	Risk materials, products or by-products likely to be exposed to	Date of posting	Date of leaving/transfer to other work	Reason for exchange/transfer to other work	Signs and symptoms observed during examination
Medical			Sift- Triage		2/3/22			g
					18/09/22			
					21/03/23			
					26/04/23			

Notes - 1. Separate page should be maintained for individual worker  
2. Fresh entry should be made for each examination

Nature of tests & results thereof	Result Fit/Unfit	Period of temporary suspension from that work	If declared unfit for work		Date of declaring unfit for that work	Date of issuing fitness Certificate	Signature with date of the Factory Medical Officer/ Surgeon
			Reasons for such withdrawal	Period of temporary suspension from that work			
Bp- 130/83 Pulse- 72/m Chest- Clear RR- 14/m Height- 5'3" Weight- 48kgs Anaemia- Nil SpO2- 97% Bgray- ABT	Fit						Dr. Santanu Mondal MBBS (CMB), D.C.C. (D88), Authorized Medical Attendant* Regn No. - 53861 (WB MC)
Bp- 120/82 Pulse- 78/m Chest- Clear RR- 14/m Height- 5'3" Weight- 52kgs Anaemia- Nil SpO2- 96% Bgray- ABT	Fit						DR. K. SHARMA Regd. Medical Practitioner Regd. No. - 3415
Bp- 116/80 Pulse- 80/m Chest- Clear RR- 14/m Height- 5'3" Weight- 54kgs Anaemia- Nil SpO2- 98% Bgray- ABT	Fit						DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 3415
Bp- 120/80 Pulse- 76/m Chest- Clear RR- 14/m Height- 5'3" Weight- 56kgs SpO2- 98%	Fit						DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 3415



1. Serial No. in the Register of adult worker :

[Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958]

2. Name of worker : **Mr. Chandan Shekhar Dey**

3. Sex : **Male** 4. Date of Birth : **10.02.1973**

Department/works	Name of hazardous process	Dangerous process/operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of transfer to other work	Reason for discharge/transfer to other work	Medical signs and symptoms observed during examination
					23/22	7	8	9
			GM					
					18/07/22			
					21/08/23			
					12-09-23			

Notes - 1. Separate page should be maintained for individual worker  
2. Fresh entry should be made for each examination

REGISTER

as amended vide Notification No. IIR-14W-IR-191 dated 27th Nov. 1991

examination and the results thereof	Result Fit/Unfit	Period of temporary withdrawal from work	Reasons for such withdrawal	Date of resumption from unit for that work	Date of expiry of fitness Certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
10 BP - 104/84 Pulse - 104/m RR - 14/m Chest - clear height - 5'10" weight - 82kgs Anaemia - Nil Bgroup - O+Spz - 97%	11 Fit	12	13	14	15	Dr. Santanu Mondal MBBS, DLOCH (DML) Registered Medical Practitioner Regd. No. - 5251179-6
BP - 132/80 Pulse - 92/m RR - 14/m Chest - clear height - 5'11" weight - 80kgs Anaemia - Nil Bgroup - O+Spz - 97%	Fit					DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
BP - 124/80 Pulse - 97/m RR - 14/m Chest - clear height - 5'11" weight - 78kgs Anaemia - Nil Bgroup - O+Spz - 98%	Fit					DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
BP - 122/80 Pulse - 78/m RR - 14/m Chest - clear height - 5'11" weight - 76kgs Anaemia - Nil Bgroup - M+	Fit					DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415



# REGISTER

as amended vide Notification No. 1183-LW-IR-191 dated 27th Nov. 1991

No. 5

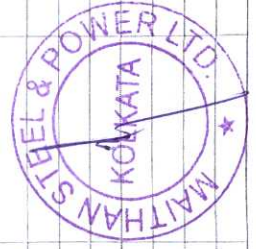
Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958

- Serial No. in the Register of adult worker :
- Name of worker : **Mr. Pousanta Chakraborty**
- Sex : **Male** 4. Date of Birth : **10.09.1970**

Department/ works	Name of hazardous process	Dangerous nature of operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving/ transfer to other work	Reason for discharge/ transfer to other work	Medical Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
&A			Clerk		23/22			
					18/07/22			
					21/03/23			
					23/09/23			

Notes - 1. Separate page should be maintained for individual worker.  
2. Fresh entry should be made for each examination

examination and the results thereof	If declared unfit for work				Signature with date of the Factory Medical Officer / the Certifying Surgeon
	Period of withdrawal from that work	Reasons for such withdrawal	Date of declining to return for that work	Date of issuing fitness Certificate	
10	11	12	13	14	15
10 Bp - 130/83 Pulse - 96/m Chest - clear RR - 14/m Height - 5.10 Weight - 73 kgs Anaemia - Nil SpO2 - 98% B group - AB+	11				16
Bp - 122/82 Pulse - 90/m Chest - clear RR - 14/m Height - 5.10 Weight - 76 kgs Anaemia - Nil SpO2 - 98% B group - AB+					
Bp - 125/82 Pulse - 86/m Chest - clear RR - 14/m Height - 5.10 Weight - 77 kgs Anaemia - Nil SpO2 - 98% B group - AB+					
Bp - 120/80 Pulse - 86/m Chest - clear RR - 14/m Height - 5.10 Weight - 77 kgs Anaemia - Nil SpO2 - 98% B group - AB+					



*Dr. Santanu Mondal*  
 Dr. Santanu Mondal  
 MBBS, DPM, DFCI  
 Authorized Medical Officer  
 Regd. No. - 53261 (WB) M.L.

*DR. R. K. SHARMA*  
 DR. R. K. SHARMA  
 MBBS, DPM, DFCI  
 Regd. No. - 5415

*DR. R. K. SHARMA*  
 DR. R. K. SHARMA  
 MBBS, DPM, DFCI  
 Regd. No. - 5415

*DR. R. K. SHARMA*  
 DR. R. K. SHARMA  
 MBBS, DPM, DFCI  
 Regd. No. - 5415

1 Serial No in the Register of adult worker  
 2 Name of worker : **Mr. Uttam Majee**  
 3 Sex : **Male** 4. Date of Birth : **23.02.1968**

Signature & Title of the Factory Medical Officer  
**Dr. R. K. SHARMA**  
 Registered Medical Practitioner  
 Regd. No. - 32351 (WB-1)

Department/works	Name of hazardous process	Dangerous process/operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving/transfer to other work	Reason for discharge/transfer to other work	Medical Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
TORE			Helper		2/3/22			
					18/09/22			
					21/05/23			
					29/01/23			

examination and the results thereof	Result Fulfill	Period of Temporary withdrawal from that work	If Referred unit for work Physician for such unit	Date of joining from unit for that work	Date of leaving from unit for that work
10 Nature of tests & results thereof Bp - 146/82 Pulse - 95/m Chest - clear RR - 14/m Height - 5.5' Weight - 69 kgs Anemia - Nil B group - B+ SpO2 - 99%	11 Fit	12	13	14	15
Bp - 120/82 Pulse - 86/m Chest - clear RR - 14/m Height - 5.5' Weight - 72 kgs Anemia - Nil B group - B+ SpO2 - 96%	Fit				
Bp - 118/82 Pulse - 84/m Chest - clear RR - 14/m Height - 5.5' Weight - 70 kgs Anemia - Nil B group - B+ SpO2 - 98%	Fit				
Bp - 120/80 Pulse - 76/k Chest - clear RR - 14/m HT - 70 kgs Anemia - Nil B group - B+ SpO2 - 98%	Fit				



Notes - 1. Separate page should be maintained for individual worker.  
 2. Fresh entry should be made for each examination.

# REGISTER

as amended vide Notification No. 183-LW-IR-191 dated 27th Nov. 1991

No. 7

- Serial No. in the Register of adult worker: [Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958]
- Name of worker: **Mr. Srikanta Layak**
- Sex: **Male** 4. Date of Birth: **19.06.1973**

Department/ Work	Name of hazardous process	Dangerous process/ operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving transfer to other work	Reason for discharge/ transfer to other work	Signs and symptoms observed during examination
ch.			Helper		2/3/22			9
					18/09/22			
					21/05/23			
					25/09/23			

Examination and the results thereof		If referred, unit for, etc.			Signature with title of the Factory Medical Officer The Controlling Surgeon
10 Date of test & results thereof	11 Result Fifteen	12 Period of absence from that work	13 Reasons for such absence	14 Date of recovery for that work	
Bp - 122/80 Pulse - 78/m RR - 14/m Chest - Clear Height - 5.5" Weight - 56 kgs Anaemia - Nil SpO2 - 99%	Fif				16
Bp - 120/78 Pulse - 86/m RR - 14/m Chest - Clear Height - 5.5" Weight - 60 kgs Anaemia - Nil SpO2 - 98%	Fif				
Bp - 115/80 Pulse - 84/m RR - 14/m Chest - Clear Height - 5.5" Weight - 62 kgs Anaemia - Nil SpO2 - 97%	Fif				
Bp - 120/80 Pulse - 76/m RR - 14/m Chest - Clear Height - 5.5" Weight - 64 kgs Anaemia - Nil SpO2 - 98%	Fif				

*[Signature]*  
Dr. Santanu Mondal  
MBBS (C.A.), D.C.H. (D.C.)  
Assistant Surgeon  
Regn. No. 53831 (RS) (A)

*[Signature]*  
DR. R. K. SHARMA  
MBBS (C.A.), D.C.H. (D.C.)  
Assistant Surgeon  
Regn. No. 5415

*[Signature]*  
DR. R. K. SHARMA  
MBBS (C.A.), D.C.H. (D.C.)  
Assistant Surgeon  
Regn. No. 5415

*[Signature]*  
DR. R. K. SHARMA  
MBBS (C.A.), D.C.H. (D.C.)  
Assistant Surgeon  
Regn. No. 5415



Notes - 1. Separate page should be maintained for individual worker.



Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958

1. Serial No. in the Register of adult worker: *Ms. Rajib Maikop*  
 2. Name of worker: *Ms. Rajib Maikop*  
 3. Sex: *Male* Date of Birth: *21.11.1977*

1	2	3	4	5	6	7	8	9
Department/ works	Name of hazardous process	Dangerous operation	Nature of job or occupation	Raw materials, products or by products likely to be exposed to	Date of posting	Date of leaving work to other work	Reason for discharge/ transfer to other work	Signs and symptoms observed during examination
<i>Med.</i>			<i>Helper</i>		<i>23/22</i>			
					<i>15/07/22</i>			
					<i>21/05/23</i>			
					<i>26/09/23</i>			

Note - 1. Separate page should be maintained for individual worker.

REGISTER

as amended vide Notification No. 1183-LW-IR-1/91 dated 27th Nov, 1991

10	11	12	13	14	15	16
Examination and the results thereof figures of tests & results thereof	Result Failure	Period of sickness from that date	Persons for such sickness	Rate of sickness from that date	Date of expiry Certificate	Signature with date of the Medical Officer/ the Certifying Surgeon
<i>Bp - 133/81 Pulse - 78/lu RR - 14/lu Chest - Clear, Height - 5.4 Weight - 48 kgs Anaemia - Nil SpO2 - 99%</i>	<i>Fit</i>					<i>Arundel</i>  <i>Dr. R. K. SHARMA</i> MBBS, FCIM, D.C. (P) Regd. Medical Practitioner Regn. No. - 53251 (WB-M-1)
<i>Bp - 126/80 Pulse - 80/lu RR - 14/lu Chest - Clear Height - 5.5 Weight - 50 kgs Anaemia - Nil SpO2 - 99%</i>	<i>Fit</i>					<i>Arundel</i>  <i>Dr. R. K. SHARMA</i> MBBS, FCIM, D.C. (P) Regd. Medical Practitioner Regn. No. - 53251
<i>Bp - 118/80 Pulse - 76/lu RR - 14/lu Chest - Clear Height - 5.5 Weight - 50 kgs Anaemia - Nil SpO2 - 98%</i>	<i>Fit</i>					<i>Arundel</i>  <i>Dr. R. K. SHARMA</i> MBBS, FCIM, D.C. (P) Regd. Medical Practitioner Regn. No. - 53251
<i>Bp - 121/80 Pulse - 80/lu RR - 14/lu Chest - Clear Height - 5.5 Weight - 50 kgs Anaemia - Nil SpO2 - 98%</i>	<i>Fit</i>					<i>Arundel</i>  <i>Dr. R. K. SHARMA</i> MBBS, FCIM, D.C. (P) Regd. Medical Practitioner Regn. No. - 53251



1. Serial No. in the Register of adult worker:  
 2. Name of worker: **Mr. Akshay Paul**  
 3. Sex: **Male** 4. Date of Birth: **15.11.1998**

Department/ work	Name of hazardous process	Dangerous process/ operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving/ transfer to other work	Reasons for discharge/ transfer to other work	Medical Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
tech.			Helper		2/3/22			
					15/09/22			
					20/03/23			
					06/04/23			

Examination and the results thereof	If detached unit for work			Signature with date of the Factory Medical Officer / the Certifying Surgeon		
	Result F.O. Unit	Period of Temporary withdrawal from that work	Reasons for such withdrawal			
10	11	12	13	14	15	16
Nature of tests & results thereof	Result F.O. Unit	Period of Temporary withdrawal from that work	Reasons for such withdrawal	Date of joining the unit for that work	Date of leaving the unit for that work	Signature with date of the Factory Medical Officer / the Certifying Surgeon
Bp - 118/80 Pulse - 79/m Chest - clear RR - 14/m Height - 5.2 Weight - 57 kgs B group - B+ Anaemia - Nil SPO2 - 99%	Fit					<i>Dr. Santanu Mondal</i> MBBS (GD) D.P.H. (D) F.M.S. Authorized Medical Attendant Regd. No. - 23864-HWB-WB
Bp - 120/80 Pulse - 82/m Chest - clear RR - 14/m Height - 5.2 Weight - 62 kgs B group - B+ Anaemia - Nil SPO2 - 98%	Fit					<i>Dr. R. K. SHARMA</i> MBBS (GD) D.P.H. (D) F.M.S. Authorized Medical Attendant Regd. No. - 5415
Bp - 120/80 Pulse - 70/m Chest - clear RR - 14/m Height - 5.2 Weight - 62 kgs B group - B+ Anaemia - Nil SPO2 - 98%	Fit					<i>Dr. R. K. SHARMA</i> MBBS (GD) D.P.H. (D) F.M.S. Authorized Medical Attendant Regd. No. - 5415
Bp - 120/80 Pulse - 76/m Chest - clear RR - 14/m Height - 5.2 Weight - 64 kgs B group - B+ Anaemia - Nil SPO2 - 98%	Fit					<i>Dr. R. K. SHARMA</i> MBBS (GD) D.P.H. (D) F.M.S. Authorized Medical Attendant Regd. No. - 5415



Notes - 1 Separate page should be maintained for individual worker  
 2 Fresh entry should be made for each examination



1. Serial No. in the Register of adult worker: [Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958]

2. Name of worker: **Mr. Biswamoy Nandy**

3. Sex: **Male** 4. Date of Birth: **04.08.1979**

Department/works	Name of hazardous process	Dangerous process/operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving/transfer to other work	Reason for discharge/transfer to other work	Medical Signs and symptoms observed during examination
					6	7	8	9
1	leach.		Filter		2/3/22			
					18/09/22			
					21/06/25			
					21/09/23			

Notes - 1. Separate page should be maintained for individual worker  
2. Fresh entry should be made for each examination

# REGISTER

as amended vide Notification No. 1183-LW-IR-1/91 dated 27th Nov. 1991

examination and the results thereof	Result Fit/Unfit	Period of temporary withdrawal from that work	If declared unfit for work Reasons for such withdrawal	Date of delivery of the unit for that work	Date of issuing of the Certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
BP - 132/82 Pulse - 92/M RR - 14/M Chest - clear Height - 5.7" Weight - 62 kgs SpO2 - 99% Anemia - Nil Group - A+	Fit					<i>[Signature]</i>
BP - 120/80 Pulse - 86/M RR - 14/M Chest - clear Height - 5.7" Weight - 65 kgs SpO2 - 98% Anemia - Nil Group - A+	Fit					<b>Dr. Santanu Mondal</b> MBBS (C.M.D.C.H. (De)) Autonomous Medical Assistant Regn. No. - 5384 (WB MC.)
BP - 120/80 Pulse - 76/M RR - 14/M Chest - clear Height - 5.7" Weight - 68 kgs SpO2 - 98% Anemia - Nil Group - A+	Fit					<i>[Signature]</i> <b>DR. R. K. SHARMA</b> MBBS (C.M.D.C.H. (De)) Regn. No. - 5415
BP - 120/80 Pulse - 76/M RR - 14/M Chest - clear Height - 5.7" Weight - 68 kgs SpO2 - 98% Anemia - Nil Group - A+	Fit					<i>[Signature]</i> <b>DR. R. K. SHARMA</b> MBBS (C.M.D.C.H. (De)) Regn. No. - 5415
BP - 120/80 Pulse - 76/M RR - 14/M Chest - clear Height - 5.7" Weight - 68 kgs SpO2 - 98% Anemia - Nil Group - A+	Fit					<i>[Signature]</i> <b>DR. R. K. SHARMA</b> MBBS (C.M.D.C.H. (De)) Regn. No. - 5415



**DR. R. K. SHARMA**  
MBBS (C.M.D.C.H. (De))  
Regn. No. - 5415

as amended vide Notification No. 1183-LV-1R-1/91 dated 27th Nov. 1991

Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958

- Serial No. in the Register of adult worker :
- Name of worker : **Mr. Noman Barui**
- Sex : **Male** 4 Date of Birth **25.12.1971**

Department/ works	Name of hazardous process	Dangerous process/ operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving/ transfer to other work	Reason for discharge/ transfer to other work	Medical Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
	Raw-materials		Helper		23/22			
					18/07/22			
					21/05/23			
					28/09/25			

Nature of tests & results thereof	Result	Period of temporary withdrawal from that work	If declared unfit for work			Date of issuing of Certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
			Reasons for such withdrawal	End of disability in unit for that work	End of disability in unit for that work		
10	11	12	13	14	15	16	
BP - 133/82 Pulse - 77/m RR - 14/m chest - clear height - 5.6" weight - 65kg Arteries - No B-group - A+ Sp. - 99%	Fit						<i>[Signature]</i>
BP - 126/80 Pulse - 80/m RR - 14/m chest - clear height - 5.6" weight - 66kg Arteries - Nil B-group - A+ Sp. - 98%	Fit						<b>Dr. Santanu Mondal</b> MBBS (C) - 1984 (1984) Authorized Medical Attendant Regd. No. - 53361 (WB) M.C.
BP - 122/80 Pulse - 74/m RR - 14/m chest - clear height - 5.6" weight - 66kg Arteries - Nil B-group - A+ Sp. - 98%	Fit						<i>[Signature]</i> <b>DR. R. K. SHARMA</b> Regd. Medical Practitioner Regd. No. - 5415
BP - 120/80 Pulse - 86/m RR - 14/m chest - clear height - 5.6" weight - 66kg Arteries - Nil B-group - A+ Sp. - 98%	Fit						<i>[Signature]</i> <b>DR. R. K. SHARMA</b> Regd. Medical Practitioner Regd. No. - 5415



Notes - 1. Separate page should be maintained for individual worker  
2. Fresh entry should be made for each examination.

as amended vide Notification No. HR-13-IR-191 dated 27th Nov. 1991

[Prescribed under Rules 63 & 64 of The West Bengal Factories Rules, 1958

1. Serial No. in the Register of adult worker

2. Name of worker: Mr. Gundeep Singh

3. Sex Male Date of Birth: 02-04-24.01.1970

Department/works	Name of hazardous process	Dangerous process/operation	Nature of job or occupation	How materials, products or by-products likely to be exposed to	Date of posting	Date of leaving/transfer to other work	Reason for discharge/transfer to other work	Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
Medical			HOD		8/3/22			
					15/07/22			
					21/05/23			
					22/09/23			

Examination and the results thereof		If debarred until for work				Signature with date of the Practitioner (The Certifying Surgeon)	
10	11	12	13	14	15		
History of tests & results thereof	Report	Period of temporary withdrawal from that work	Reasoning for such withdrawal	Date of resumption of work	Date of issuing fitness Certificate		
Bp - 118/80 Pulse - 77/m Chest - clear RR - 14/m Height - 5'6" Weight - 69 kgs Hæmoglobin - Nil SPO2 - 95% Bgroup - B+	Fit					Dr. Santanu Mondal MBBS (Gen. D.C. in Medicine) Authorized Practitioner Regn. No. - 53811 (WB M-1) <i>Santanu Mondal</i>	
Bp - 120/80 Pulse - 74/m Chest - clear RR - 14/m Height - 5'6" Weight - 66 kgs Hæmoglobin - Nil SPO2 - 96% Bgroup - B+	Fit					<i>Santanu Mondal</i> 18/07/22 DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415	
Bp - 115/80 Pulse - 76/m Chest - clear RR - 14/m Height - 5'6" Weight - 68 kgs Hæmoglobin - Nil SPO2 - 98% Bgroup - B+	Fit					<i>R. K. Sharma</i> 10/09/23 DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415	
Bp - 120/80 Pulse - 78/m Chest - clear RR - 14/m Height - 5'6" Weight - 70 kgs Hæmoglobin - Nil SPO2 - 98% Bgroup - B+	Fit					<i>R. K. Sharma</i> 15/09/23 DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415	



Notes - 1. Separate page should be maintained for individual worker.  
2. Fresh entry should be made for each examination.

Serial No. in the Register of adult worker [Prescribed under Rules 63 & 64 of The West Bengal Factories Rules, 1958]

Name of worker **Mr. Rajib Reja**  
 Sex **Male** Date of Birth **15.01.1996**

1	2	3	4	5	6	7	8	9
Name of hazardous process	Dangerous process description	Nature of job or occupation	Raw materials, products or by products likely to be exposed to	Date of joining factory or work	Date of leaving factory or work	Reason for discharge, transfer to other work	Medical	Signa and symptoms observed during examination
				6	7	8		g
				3/3/22				
				18/09/22				
				21/05/22				
				25/04/22				

Examination and the result thereof		If declared unfit for work				Specimen with file of the Factory Medical Officer / The Certifying Surgeon	
Nature of tests & results thereof	Result	Percent of Temporary withdrawal from that work	Reasons for such withdrawal	Date of issuing fitness Certificate	Date of expiry from that work	Signature	Regd. No. - 5415
10	11	12	13	14	15		
Bp - 110/80 Pulse - 84/m RR - 14/m Chest - clear height - 5.4 weight - 50 kgs Anaemia - SpO2 - 99%	Fit						
Bp - 115/80 Pulse - 88/m RR - 14/m Chest - clear height - 5.4 Anaemia - SpO2 - 98%	Fit						
Bp - 118/80 Pulse - 76/m RR - 14/m Chest - clear weight - 5.4 Anaemia - SpO2 - 98%	Fit						
Bp - 120/80 Pulse - 88/m RR - 14/m Chest - clear Ht. - 5.4 Wt. - 51 kgs Anaemia - SpO2 - 98%	Fit						



Signature

Dr. Santanu Mondal  
 M.B.B.S. (Gen. Med.)  
 Registered Medical Practitioner  
 Regd. No. - 52851 (WB New)

Signature  
 18/09/22

DR. D. S. SHARMA  
 M.B.B.S. (Gen. Med.)  
 Registered Medical Practitioner  
 Regd. No. - 5415

Signature  
 21/05/22

DR. R. K. SHARMA  
 M.B.B.S. (Gen. Med.)  
 Registered Medical Practitioner  
 Regd. No. - 5415

Signature  
 25/04/22

DR. R. K. SHARMA  
 M.B.B.S. (Gen. Med.)  
 Registered Medical Practitioner  
 Regd. No. - 5415

616 - 1 Separate page should be maintained for individual worker.  
 2 Each entry should be made for each examination.

As prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958

1. Serial No. in the Register of adult worker  
 2. Name of worker : **Mr. Soumy Agarwal**  
 3. Sex : **Male** 4. Date of Birth **17.04.1989**

1	2	3	4	5	6	7	8	9
Department/ works	Name of hazardous process	Dangerous process/ operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of poisoning	Date of leaving/ transfer/ return to work	Reason for discharge/ transfer to other work	Signs and symptoms observed during examination
Admn			Manager		5/3/22			
					15/07/22			
					21/03/25			
					02/09/23			

as amended vide Notification No. HR3-LW-IR-191 dated 27th Nov, 1991

examination and the results thereof		If directed unfit for work			Date of issuing fitness Certificate	Signature with date of the Factory Medical Officer / or duly qualified Surgeon
Nature of tests & results thereof	Result Fit/Unfit	Period of Temporary withdrawal from that work	Reasons for such withdrawal	Days of absence from that work		
10	11	12	13	14	15	
Bp - 125/80 Pulse - 75/m Chest - Clear RR - 14/m height - 5.3" weight - 68kg Anemia - Nil SpO2 - 99% Eggs - B-	Fit					<i>[Signature]</i>
Bp - 127/80 Pulse - 75/m Chest - Clear RR - 14/m height - 5.5" weight - 66kg Anemia - Nil SpO2 - 98% Eggs - B-	Fit					<i>[Signature]</i> Dr. S. S. Mondal Authorized Medical Officer Regd. No. - 33851 W.B. M.C.
Bp - 122/80 Pulse - 75/m Chest - Clear Anemia - Nil RR - 14/m height - 5.8" weight - 70kg SpO2 - 98% Eggs - B-	Fit					<i>[Signature]</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
Bp - 126/80 Pulse - 76/m Chest - Clear Anemia - Nil RR - 14/m height - 5.8" weight - 70kg SpO2 - 98% Eggs - B-	Fit					<i>[Signature]</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415



1 - 1 Separate page should be maintained for individual worker  
 2 - Fresh entry should be made for each examination.



# **ANNEXURE – XII**

CORPORATE ENVIRONMENTAL RESPONSIBILITY (CER) REPORT



**TO WHOM IT MAY CONCERN**

We have checked the Books of Accounts and relevant records of **M/S Maithan Steel & Power Ltd.**, having its Registered Office at 9, A.J.C Bose Road, 6<sup>th</sup> Floor, Kolkata -700017 and Sponge Iron plant at P.O. : Bonra, P.S. : Neturia , Dist. : Purulia, W.B. – 723121 based on our verification & examination and in accordance with the same as well as according to the information available & explanation given to us , we hereby certify that CER Budget and Actual Expenses incurred during **F.Y.2021-22 & 2022-23** balance Budget **F.Y. 2023 – 24** by the company is hereunder :

(Rs. in Lakhs)

Activity	CER Budget	Expenses Incurred		Balance Budget
		2021 -22	2022-23	2023 - 24
Sinking of new bore wells, pipe lines in villages	45.00	---	9.20	<b>CER EXPENDITURE ACHIVED</b>
Strengthening of villages approach roads, making drainages etc	55.00	64.63	---	
Electrification & Infrastructure Development of Surrounding Villages	10.00	---	22.95	
Infrastructure developments & assisting school in other renovation job	20.00	20.80	---	
Providing Tractors, dust bins and development of the dump yard	15.00	---	36.67	
Providing supports & awareness of local unemployed peoples	4.00	---	5.12	
Miscellaneous Expenses	---	1.36	0.05	
<b>Total :-</b>	<b>149.00</b>	<b>86.79</b>	<b>73.99</b>	



**Director**

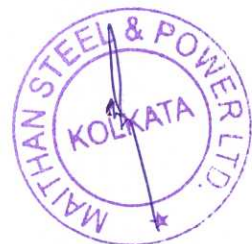
**Registered Office:**  
9, A.J.C Bose Road, Ideal Centre,  
6th Floor, Kolkata-700 017  
© +91 33 4085 7200

**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)

# **ANNEXURE – XIII**

REVISED CORPORATE ENVIRONMENTAL POLICY



## Environmental Policy

The goal of M/s Maithan Steel & Power Plant is to apply the Environment Management System to its operations based on preventive approach and to improve the system with its mission, vision and values.

Our goal is the **'Protection of the Environment'** and the **'Efficient use of Natural Resources'** for the Sustainable Growth of Business.

We will strive to become a role model for the Steel Industry by going beyond compliance through:

- Identify, assess and manage our environment impact;
- Regularly monitor, review and report our environmental performance;
- Develop and rehabilitate abandoned sites through afforestation and landscaping;
- Enhance awareness, skill and competence of our employees and contractors to demonstrate their involvement, responsibility and accountability for sound environmental performance;
- Effective implementation of Environmental Management System to attain Zero Liquid Discharge;
- Proper Management of Wastes.

Rev No: 02

Date: 27<sup>th</sup> September 2022



Director

**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)

www.maithansteel.com

**Works: Unit-II**

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

☎ 8651540007

**ANNEXURE – ~~XIV~~ XIII**

EC CLEARANCE NEWSPAPER ADVERTISEMENT COPY



### হুবু পুলিশ কর্তাদের বার্তা প্রধানমন্ত্রীর

বিদ্যমান বাংলাদেশ, নামনিতে। পিতৃ কারাগারে পক্ষে পাঠিয়ে।

ক্যাম্পাসের দিক সুরা পড়িয়ে শুরু হলেই দশ শ্রমিকের সঙ্গে পুলিশের একেবারেই মত মিলে পড়ে। পুলিশের লক্ষ্যে এসেছিল তাদের। পিতৃ কারাগারে পক্ষে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের। পিতৃ কারাগারে পক্ষে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

## আসানসোলে গুপ্তন, বাবুলকে দলে এবং সংসদেও চান জিতেন্দ্র

পিতৃ কারাগারে পক্ষে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

## ভাল ছেলে, বিজেপি সম্মান দেখানি; অনুরক্ত • ফেসবুক দেখি না; দিলীপ

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

## নজর ত্রিপুরা কেরপুজোর শুভেচ্ছা জানালেন মমতা

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

## অশীতিপার, অসুস্থদের

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

## চললাম

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

## আল সংসদ করের টাকা নষ্টের অভিযোগ সরকারের, তাপ বিরোধীদের

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

## পাঞ্জাবে স্কুল খুলছে শোমবার

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

## শিল্পার পাশে এবার রিচা

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

## আবেদনের একমাসের মধ্যে বদলি

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

## নোটিশ

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্তৃত্বের জ্ঞানে যাইছে যে, পোস্ট অফিস বোম্বা, পুলিশ স্টেশন নিউডিল্লি, জেলাপুত্রদ্বারা, পুলিশমবালোতে অবস্থিত মেমার্স মাইন সিল অ্যাড পাওয়ার লিমিটেড কর্তৃক প্রস্তাবিত বিদ্যমান ০.০৪৪ মিলিয়ন টন থেকে ০.২৭ মিলিয়ন টন পম্প্র আরন প্লাস্ট ৩০,০০০ টন ফেরো অ্যালয় (মিলিতভাবে ফেয়া, সি,আ, ফে-সি, পিপি) আয়ারন। উৎপাদনের জন্য ২২৯ এগ্রিকোল্ট আর্ক ফার্মস ৪০,০০০ টন দিনতার প্লাস্ট, ২,৪০,০০০ টন অয়েরন ওয়াটার প্লাস্ট (২০০ টিপিএফ) এবং ৩০ মেগা ওয়াটার প্লাস্ট প্লাস্ট (২ মেগা ওয়াট ডবলএইচআইআরবি ৮ মেগা ওয়াট এএফবিপি) কারখানা জন্য পরিবেশবাহী হাল্ডার (ফাইনল নাং IA-J-11011 / 554/2017-2018) তারিখ ২৬ জুলাই, ২০১১, পরিবেশ, বন এবং জলবায়ু পরিবর্তন মন্ত্রক, ভারত সরকার দ্বারা অনুমোদিত হয়েছে। পরিবেশবাহী হাল্ডারের কপি রায় দৃশ্য নিয়ন্ত্রণ পর্যবেক্ষণ পাওয়া যাবে এবং জলবায়ু পরিবর্তন মন্ত্রক ওয়েবসাইটে পাওয়া যাবে।

বিদ্যমান সেওয়্যা যাবে পাত্র-পত্রী, জমি বাড়ী, গাড়ী, শিল্প, হোস্টেল-রেস্টুরেন্ট, জোতা, নামপত্রী, বিজ্ঞাপন, নিয়ন্ত্রণ নোটিশ, টেক্সট-সংস্করণ প্রক্রিয়াকার এবং স্বাস্থ্যসেবিত বিজ্ঞান।

**9163111111**

এখন স্ববাদ প্রতিদিন-এ বিভাজন দেওয়া এছাড়াও সহজ। উপরে নম্বরে /হোয়াটসঅপ কন অনথবা মেস পামান advt@angabandpratinin-এ।

আপনার বিভাজন সাজানোর দায়িত্ব আমাদের।

বিদ্যমান সেওয়্যা যাবে পাত্র-পত্রী, জমি বাড়ী, গাড়ী, শিল্প, হোস্টেল-রেস্টুরেন্ট, জোতা, নামপত্রী, বিজ্ঞাপন, নিয়ন্ত্রণ নোটিশ, টেক্সট-সংস্করণ প্রক্রিয়াকার এবং স্বাস্থ্যসেবিত বিজ্ঞান।

## মূলচক্রী হত

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

## একের পাঠ্য পর

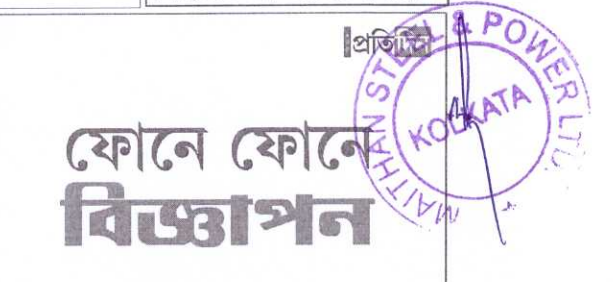
কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

## সহায় উপস্থিতি

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।

কর্মচারীদের মধ্যে প্রধানমন্ত্রীর পক্ষ থেকে পাঠিয়ে দেওয়া হলেও পুলিশের লক্ষ্যে এসেছিল তাদের।









# **ANNEXURE – XV**

INTIMATION COPY SUBMITTED TO THE LOCAL BODIES



# MAITHAN STEEL & POWER LIMITED



Ref. MSPL/EC/21-22/Intimation

Date: 07/08/2021

To,

**The Panchayat Pradhan  
Bhamuria Gram Panchayat  
District-Purulia  
West Bengal**

Sub. Intimation of EC obtained for expansion of the existing 0.064 MTPA Sponge Iron Plant to 0.17 MTPA Sponge Iron, 2x9 MVA Arc Furnace for manufacturing of Ferro Alloys of 30,000 TPA (Fe-Mn, Si-Mn, Fe-Si & Pig Iron Combined), Iron Ore Sinter Plant of 80,000 TPA, 1x40 TPH Iron Ore Washery of 2,40,000 TPA and 20 MW Power Plant [WHRB-12 MW & AFBC-8 MW] by M/s. Maithan Steel & Power Limited located at PO-Bonra, PS-Neturia, Purulia District, West Bengal

Ref:- EC No- J -11011/554/2017-IA.II (I); Dated 26<sup>th</sup> July, 2021

Dear Sir,

With reference to the above mentioned subject, we would like to intimate you that the Environment Clearance (EC) vide file no. J-11011/554/2017-IA.II (I) dated 26<sup>th</sup> July, 2021 (Copy is enclosed as Annexure-I) for expansion the existing 0.064 MTPA Sponge Iron Plant to 0.17 MTPA Sponge Iron, 2x9 MVA Arc Furnace for manufacturing of Ferro Alloys of 30,000 TPA (Fe-Mn, Si-Mn, Fe-Si & Pig Iron Combined), Iron Ore Sinter Plant of 80,000 TPA, 1x40 TPH Iron Ore Washery of 2,40,000 TPA and 20 MW Power Plant [WHRB-12 MW & AFBC-8 MW] by M/s. Maithan Steel & Power Limited located at PO-Bonra, PS-Neturia, Purulia District, West Bengal.

This is for your kind information. Please acknowledge the same.

Thanking you,

With warm regards,

For, M/s. Maithan Steel & Power Limited

Authorised Signatory

Enclosure: As above



**Registered Office:**

9, A.J.C. Bose Road, Ideal Centre,  
6th Floor, Kolkata - 700 017,  
☎ +91 33 4085 7200

CIN: U27102WB2001PLC093321

**Works: Unit-I**

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

**Works: Unit-II**

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

 [www.maithansteel.com](http://www.maithansteel.com)

☎ 8651540007

# MAITHAN STEEL & POWER LIMITED



Ref. MSPL/EC/21-22/Intimation

To,

The Block Development Officer  
Neturia, District-Purulia  
West Bengal

Sub. Intimation of EC obtained for expansion of the existing 0.064 MTPA Sponge Iron Plant to 0.17 MTPA Sponge Iron, 2x9 MVA Arc Furnace for manufacturing of Ferro Alloys of 30,000 TPA (Fe-Mn, Si-Mn, Fe-Si & Pig Iron Combined), Iron Ore Sinter Plant of 80,000 TPA, 1x40 TPH Iron Ore Washery of 2,40,000 TPA and 20 MW Power Plant [WHRB-12 MW & AFBC-8 MW] by M/s. Maithan Steel & Power Limited located at PO-Bonra, PS-Neturia, Purulia District, West Bengal

Ref: - EC No- J -11011/554/2017-IA.II (I); Dated 26<sup>th</sup> July, 2021

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With reference to the above mentioned subject, we would like to intimate you that the Environment Clearance (EC) vide file no. J-11011/554/2017-IA.II (I) dated 26<sup>th</sup> July, 2021 (Copy is enclosed as Annexure-I) for expansion the existing 0.064 MTPA Sponge Iron Plant to 0.17 MTPA Sponge Iron, 2x9 MVA Arc Furnace for manufacturing of Ferro Alloys of 30,000 TPA (Fe-Mn, Si-Mn, Fe-Si & Pig Iron Combined), Iron Ore Sinter Plant of 80,000 TPA, 1x40 TPH Iron Ore Washery of 2,40,000 TPA and 20 MW Power Plant [WHRB-12 MW & AFBC-8 MW] by M/s. Maithan Steel & Power Limited located at PO-Bonra, PS-Neturia, Purulia District, West Bengal.

This is for your kind information. Please acknowledge the same.

Thanking you,

With warm regards,

For, M/s. Maithan Steel & Power Limited

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Dist.: Paschim Bardhaman (WB)

☎ 8651540007

# MAITHAN STEEL & POWER LIMITED



Ref. MSPL/EC/21-22/Intimation

Date: 07/08/2021

To,

**The District Magistrate  
District-Purulia  
West Bengal**

Sub. Intimation of EC obtained for expansion of the existing 0.064 MTPA Sponge Iron Plant to 0.17 MTPA Sponge Iron, 2x9 MVA Arc Furnace for manufacturing of Ferro Alloys of 30,000 TPA (Fe-Mn, Si-Mn, Fe-Si & Pig Iron Combined), Iron Ore Sinter Plant of 80,000 TPA, 1x40 TPH Iron Ore Washery of 2,40,000 TPA and 20 MW Power Plant [WHRB-12 MW & AFBC-8 MW] by M/s. Maithan Steel & Power Limited located at PO-Bonra, PS-Neturia, Purulia District, West Bengal

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