

File No: MSPL1/EnvComp/Jun'23

Date: 22/05/2023

To,
Ministry of Environment and Forests, Climate Change
Integrated Regional Office
IB-198, IB Block, Sector- III,
Salt Lake City, Kolkata,
West Bengal- 700106.

Subject: Six Monthly (June, 2023) compliance report for M/S Maithan Steel & Power Limited (Unit-I)

Reference: EC No. IA-J-11011/554/2017-IA.II(I); Dated 26th July 2021

Sir/Madam(s),

With reference to the above, we are hereby submitting the six monthly compliance reports period from October 2022 to March 2023 for EC No- IA-J-11011/554/2017-IA.II(I); Dated 26th July 2021; for 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, 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] located at Vill + PO- Bonra, Tehsil & PS- Neturia, District- 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


Enclosures-

1. Compliance Report for EC;
2. Copy of the Consent to Operate as Annexure- I;
3. Copy of the Consent to Establish Permission as Annexure- II;
4. Copy of OCEMS Data from Oct'22 to Mar'23 as Annexure- III;
5. Copy of Stack Emission Data as Annexure- IV;
6. Copy of AAQM Report as Annexure- V;
7. Copy of Fugitive Emission Report as Annexure- VI;
8. Copy of Water Analysis Report as Annexure- VII;
9. Copy of Pre Monsoon Ground Water Report as Annexure- VIII;
10. Copy of Ambient & Work Noise Quality Monitoring Report Annexure- IX;
11. Copy of Occupational Health Report as Annexure- X;
12. Copy of CER Cost as Annexure- XI;
13. Environmental Policy as Annexure- XII;
14. EC Advertisement Copies as Annexure- XIII;
15. 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

Works: Unit-II

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

☎ 8651540007



Half-Yearly Compliance Report

On

Environmental Clearance Conditions

(MoEF Letter Ref No: IA-J-11011/554/2017-IA.II(I) DATED 26.07.2021)

Period: October, 2022 – March, 2023

Submitted by:

M/s. Maithan Steel and Power Limited

At, Vill & PO- Bonra, PS/ Tehsil-
Neturia, Dist- Purulia, West
Bengal- 723121



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, 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 Vill + PO- Bonra, PS & Tehsil- Neturia, Dist- Purulia, West Bengal.

Clearance Letter No. with date:

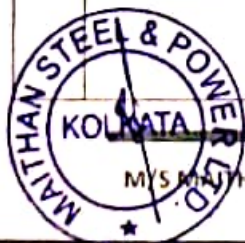
EC No- IA-J-11011/554/2017-IA.II(I) dated 26.07.2021

Period of Compliance Report:

October, 2022 to March, 2023

A. Specific Conditions:

Sr. No.	Condition(s)	Compliance Status
i.	Particulate matter emission from all the stacks shall not exceed 30 mg/ Nm ³ .	Already being complied with & will be complied too. 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 Annexure- I . The same practice will be continued in future.
ii.	Water supply from Damodar Valley Corporation (DVC) shall be used and abstraction of ground water shall be discontinued.	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. The same practice will be obeyed in future.
iii.	Rain Water harvesting shall be implemented as per the action plan submitted.	The project is in constructional phase. Rainwater harvesting system will be implemented in parallel to the implementation of the EC accorded project.
iv.	Water spray systems shall be included to control fugitive dust from raw material stockpiles.	The project is in constructional phase. To control the fugitive emission, water sprinklers will be implemented shortly. 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.



v.	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.	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 2022-23 financial year. Till now 600 saplings are planted in the year 2023-24. Total number of trees 4499 in the Green Belt.
vi.	100% solid waste generated in the facility shall be utilized.	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:

I. Statutory Compliance

Sr. No.	Conditions	Compliance Status
i.	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.	Agreed & complied. 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 Annexure- II.



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 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>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 (October, 2022 to March, 2023) is enclosed as Annexure- III.</p> <p>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 March, 2023. Stack Emission Report is enclosed as Annexure- IV.</p> <p>CAAQMS will be installed shortly as it is under construction phase. 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 March, 2023. AAQ Report is enclosed as Annexure- V.</p>
ii.	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>Already being complied with.</p> <p>Fugitive Emissions are monitored Near Product House and Near Raw Material Yard by third party monitoring agency which is NABL accredited laboratory. As per the fugitive emission monitoring reports submitted, fugitive emissions were monitored in the month of March, 2023. Fugitive Emission Report is enclosed as Annexure- VI.</p>
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.	<p>Agreed & being complied.</p> <p>Existing operational plant (2x100 TPD Sponge Iron) are 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.</p> <p>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.</p> <p>The practice will be continued in future.</p>
iv.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	<p>Already being complied with & will be complied too.</p> <p>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.</p>



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.	Noted & already being complied with. 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.	Already being complied with & will be continued. 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.	Agreed. 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.	Agreed. Natural ventilation system will be implemented after completion of the project.

III. Water quality monitoring and preservation

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 st March 2012 (applicable to IF/EAFF); S.O. 3305(E) dated 7 th 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 Annexure- VII.
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.	Agreed. 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). Pre Monsoon Ground Water Analysis Report is attached as Annexure- VIII.



iii.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Noted. 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.	Agreed. 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.
IV. Noise monitoring and prevention		
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.	Noted & complied. Noise Monitoring is being done on regular basis by WBPCB/ MoEF&CC/ NABL accredited laboratories. Eco Care, West Bengal which is NABL/ MoEF&CC 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 March, 2023. The Ambient & Work Zone Noise quality monitoring reports are attached in Analysis Report as Annexure- IX .
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.	Agreed & complied. 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.
VI. Waste management		
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.
VII. Green Belt		
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.	Greenbelt development is continued inside the plant premises during progress of project 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 2022-23 financial year. Total 4499 trees are planted till date of year 2023-24.
VIII. Emergency Preparedness		
i.	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Already being complied with. 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.	Not applicable. 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.	Agreed & complied. 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 Annexure- X .

IX. Environment management

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 Annexure- XI .
ii.	The company shall have a well laid down environmental policy duly approve 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 shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Already being complied with. The company has a well laid down environment policy duly approved by Board of Directors. 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. Environmental Policy is submitted to your good office with this report as an annexure. Revised Environmental Policy is enclosed as Annexure- XII .
iii.	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.	Agreed. 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.



X. Miscellaneous

<p>i. 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>Already being complied with.</p> <p>Accorded Environmental Clearance was published in Sangbad Protidin (Bengali Newspaper) on 01.05.2021, Ei Samay (Bengali Newspaper) on 03.08.2021 & The Times of India (English Newspaper) on 03.08.2021 and also in company's website.</p> <p>The EC Advertisement Copies are enclosed as Annexure-XIII.</p>
<p>ii. 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>Already being complied with.</p> <p>EC copy was submitted to the Head of Bhamuria Gram Panchayat, BDO of Neturia and to the District Magistrate of Purulia District were submitted.</p> <p>The Intimation Copies Submitted to the Local Bodies are enclosed as Annexure- XIV.</p>
<p>iii. 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>Agreed to update on six-monthly basis.</p> <p>In compliance to the point, report is uploaded on the company's website.</p>
<p>iv. The project proponent shall monitor the criteria pollutants levels level namely; PM₁₀, SO₂, NO_x (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.</p>	<p>Agreed and complied too.</p> <p>The management of MSPL (M/s. Maithan Steel & Power Limited) is monitoring criteria pollutants level namely- PM₁₀, PM_{2.5}, SO₂, NO_x (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.</p>
<p>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.</p>	<p>Agreed and complied.</p> <p>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.</p>



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.	Already being complied with & will be continued too. For the financial year 2021-22, Environmental Statement in prescribed format was submitted to the West Bengal Pollution Control Board vide MSPL-I/ ENV_Statement/ 2022-23 dated 29.08.2022. The Form- V (Environmental Statement) for the financial year (2022-23) will also be submitted before 30 th Sep'23.
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.	Noted and informed. 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.	Noted & is being complied.
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).	Agreed.
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.	Noted.
xi.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
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.



WEST BENGAL POLLUTION CONTROL BOARD

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



Consent Letter Number : CO110150

Memo Number : 1877-WPBA/Regd(Prl)/Cont(R2)/02

Date : 28-8-18

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 + P.O. Bonra, P.S. Neturia,

Dist- Purulia

(Detailed address of the manufacturing unit)

for a period from up to 31-08-2023

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.)

28/08/18

ANNEXURE

Consent to M/S. Maithan Steel & Power Ltd.
 for its unit at Vill + P.O. Bonga, P.S. Neturia, Dist- Purulia.

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 MT
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 3 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 02.

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

Continued.....

Consent to M/S. Maithan Steel & Power Ltd.for its unit at Village P.O. Bonra, P.S. Neturia, Dist-Purdia

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 ³ /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed					Frequency of emission sampling
					SPM (mg/Nm ³)	CO (%v/v)				
S-1	32	12 nos. Rotary kiln (2 X100 MT)	-	-	100	1	-	-	-	Half Yearly
S-2	30	Cooler Discharge	-	-	100	-	-	-	-	-DO-
S-3	30	Product House	-	-	100	-	-	-	-	-DO-
S-4	30	Coal Crusher	-	-	100	-	-	-	-	-DO-
S-5	19.5	860 KVA DG Set	-	-	150	-	-	-	-	Yearly
S-6	18	380 KVA DG Set	-	-	150	-	-	-	-	-DO-
S-7										
S-8										
S-9										
S-10										

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

Continued.....

Consent to M/S. Maithan Steel & Power Ltd.

for its unit at Vill + P.O. Bonra, P.S. Neturia, Dist- Purulia

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	4350 MT / month	DRI Kiln
02			
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
Coal Char	1440 MT/ Month	-	Send to Power Plant
APC Dust	200 MT / Month	-	and filling at abandoned mines pit

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 09 p.m.)	65
Night Time (09 p.m. to 06 a.m.)	55

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.)

Continued.....

Consent to **M/S. Maithan Steel & Power Ltd.**

for its unit at **Vill + P.O. Bonra, P.S. Neturia, Dist- Purulia**

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 *Application* 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 alteration/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.)

S 13/12/18

WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Bhawan
10A, Block - LA, Sector III, Bidhannagar
Kolkata - 700 100



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

Date: 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, 5th Floor, Kolkata-700 017.

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

Ref: 1) Your letter No. MSPL-I/NOC-App/EIM-WBPCB/2018-22/01 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 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.

- The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS-2430 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
- 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.
- 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.
- All emission from your factory shall conform to the standards as laid down by this Board.
- 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, 1987.
- No industrial plant, furnace, flues, chimneys, control equipment etc. shall be constructed/reconstructed/erected/re-erected without prior approval of this Board.

[Signature] 08/10/2021

7. You shall comply with
- Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
 - Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
 - Environment (Protection) Act, 1986.
 - Environment (Protection) Rules, 1986.
 - Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000.
 - Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000.
 - Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989.
 - The Public Liability Insurance Act, 1991 and Amended Act, 1992.
 - The Public Liability Insurance Rules, 1991 and Amended Rules, 1993.
 - Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
 - Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
 - 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
 Dated: 08/10/2021
 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 :

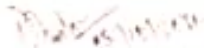
- Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
 - Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
 - Guard file, West Bengal Pollution Control Board
 - Environmental Engineer, WVA/Asst. R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./Asst. Sub-R.O./WBPC Board

Himalaya Bhawan Defra Road, Dankuni Dist. Hooghly	Vill. Jangpur Kalyani Expressway P.O. Jangpur 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 Flat Complex Adjacent to Priyambada Housing Estate P.O. Khurjanchak, P.S. Jurgachak Haldia-721602 Dist. Purba Medinipur	Paribahan Nagar Matigara, Siliguri Dist.-Darjeeling	
- Satya Chowdhury
 Asst. Sub-Regional Office
 And Commercial Market (2nd Floor)

[Signature]

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	2x100 TPD 1x350 TPD	1,76,000 Tonne Iron	42 m	ESP
a)	DRI Kiln Outlet Discharge/Exit	--	1x350 TPD			30 m	Bag Filter
b)	Stock House	--	01 No.			30 m	Bag Filter
c)	Coal Crusher	--	01 No.			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 & High Iron combined)	30 m (Common)	02 nos. Bag Filter System & ID Fan (Individual)


 Environmental Engineer
 W. B. Pollution Control Board
 Dept. of Environment, Govt. of WB

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	1.5 m (individual)	Exhaust Muffler & Acoustic Enclosure

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

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

[Signature]
 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

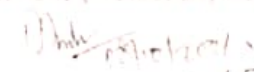
1. Particulate Matter emissions from all the stacks shall not be exceed 30mg/Nm³.
2. Water supply from Damodar Valley Corporation (DVC) shall be used and abstraction of ground water shall be discontinued.
3. Rain Water harvesting shall be implemented but no recharge to the ground aquifer is permitted
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 emission 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) Rule, 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 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 recognised under Environment (Protection) Act, 1986 and, NABL accredited laboratories.



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

1

Annexure – B to NOC Sl. No. NO16/ 590

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 inventory 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, Govt. of West Bengal

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

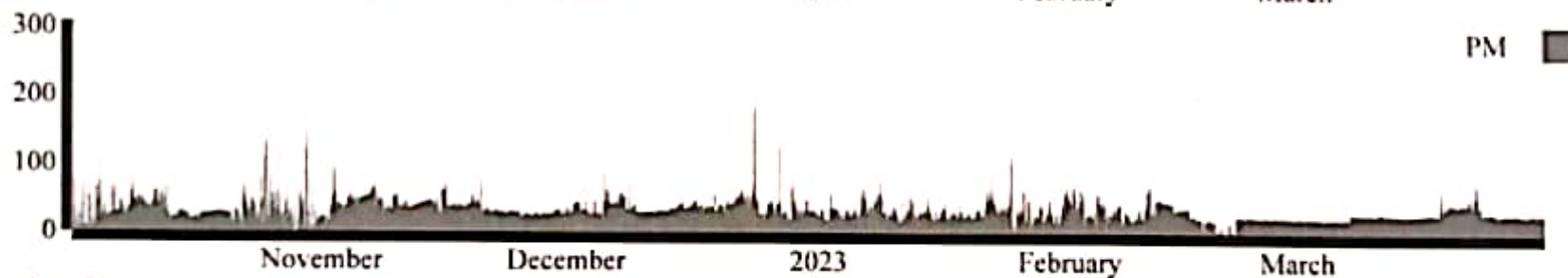
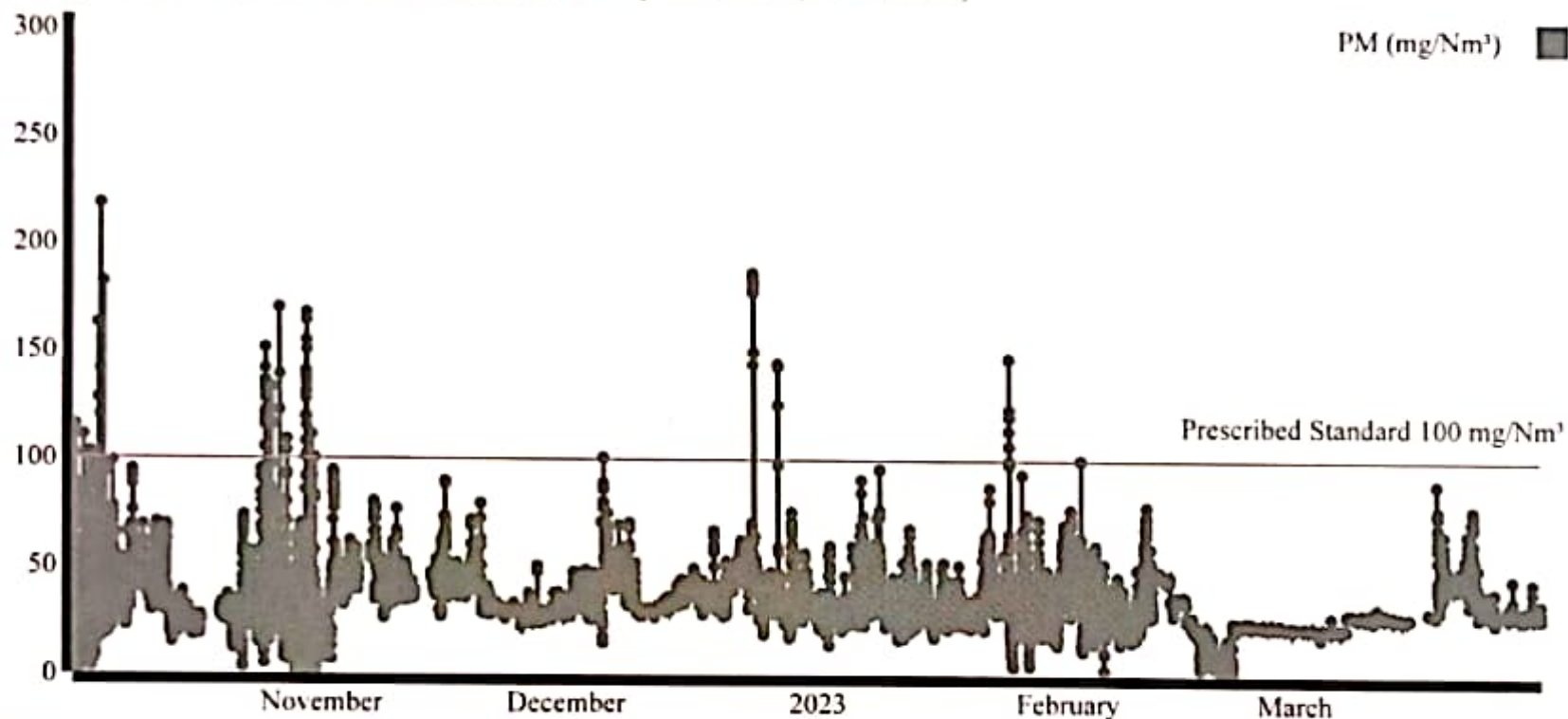
Start Date - 2022-10-01

End Date - 2023-03-31

Average - 15 minutes

Please wait .. 

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



Close(X)

Select All

PM



Annexure-IV

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 – TC51092300000509F

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

TEST REPORT

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

GENERAL INFORMATION

1	Particular of the Plant	: Sponge Iron Plant
2	Emission Due to	: Reduction of Iron Ore & Oxidation of Coal
3	Stack Connected to	: Rotary Kiln No. 1 & 2 (100 TPDx2) Both in Operation
4	Material of Construction	: M.S
5	Stack Height from G.L.	: 33.0 m
6	Height of Sampling Port from G.L.	: 20.0 m
7	Height of Sampling Port from L.D.Z.	: ----
8	Dimension of Stack at Sampling Port	: 1.80 m
9	Shape of the Stack	: Circular O
10	Working Load	: Iron Ore – 6.2 MT/hr each kiln

FUEL CHARACTERISTIC REPORT

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

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

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

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

Authorised Signatory

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



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 - TC51092300000507F

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

TEST REPORT

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

GENERAL INFORMATION

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

FUEL CHARACTERISTIC REPORT

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

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

		Method	
1	Flue Gas Temperature	49 °C	IS 11255 : Part 3
2	Barometric Pressure	752 mm Hg	IS 11255 : Part 3
3	Velocity of Flue Gas	7.51 m/sec	IS 11255 : Part 3
4	Flue Gas Quantity	4868 Nm ³ /hr	IS 11255 : Part 3
5	Concentration of Particulate Matter	20.64 mg/Nm ³	IS 11255 : Part 1
6	Concentration of Carbon Dioxide	----	IS 13270
7	Concentration of SO ₂	----	IS 11255 : Part 2
8	Concentration of NO _x	----	IS 11255 : Part 7

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

Authorised Signatory

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



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 – TC51092300000508F

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

TEST REPORT

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

GENERAL INFORMATION

1	Particular of the Plant	: Sponge Iron Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: Bag Filter at I-Bin (Intermediate Bin)
4	Material of Construction	: M.S
5	Stack Height from G.L.	: 30.0 m
6	Height of Sampling Port from G.L.	: 20.0 m
7	Height of Sampling Port from L.D.Z.	: ----
8	Dimension of Stack at Sampling Port	: 0.60 m
9	Shape of the Stack	: Circular Ø
10	Working Load	: ----

FUEL CHARACTERISTIC REPORT

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

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

		Method	
1	Flue Gas Temperature	42 °C	IS 11255 : Part 3
2	Barometric Pressure	752 mm Hg	IS 11255 : Part 3
3	Velocity of Flue Gas	6.82 m/sec	IS 11255 : Part 3
4	Flue Gas Quantity	6506 Nm ³ /hr	IS 11255 : Part 3
5	Concentration of Particulate Matter	24.75 mg/Nm ³	IS 11255 : Part 1
6	Concentration of Carbon Dioxide	----	IS 13270
7	Concentration of SO ₂	----	IS 11255 : Part 2
8	Concentration of NO _x	----	IS 11255 : Part 7

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

Authorised Signatory

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



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 – TC51092300000510F

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

TEST REPORT

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

GENERAL INFORMATION

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

FUEL CHARACTERISTIC REPORT

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

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

		Method	
1	Flue Gas Temperature	40 °C	IS 11255 : Part 3
2	Barometric Pressure	752 mm Hg	IS 11255 : Part 3
3	Velocity of Flue Gas	6.99 m/sec	IS 11255 : Part 3
4	Flue Gas Quantity	6708 Nm ³ / hr	IS 11255 : Part 3
5	Concentration of Particulate Matter	16.94 mg/Nm ³	IS 11255 : Part 1
6	Concentration of Carbon Dioxide	----	IS 13270
7	Concentration of SO ₂	----	IS 11255 : Part 2
8	Concentration of NO _x	----	IS 11255 : Part 7

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ULR NO - TC51092300000511F

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

TEST REPORT

Report Release Date : 03.04.2023	Sample Ref. No.(ARF) : EC/ARF/29/230321
Test Report No : EC/TR/42/03037	Source of Sample : Sponge Iron Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 27.03.23 to 28.03.23
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 29.03.23 to 30.03.23
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited	Remarks : ----
(Unit - I)	Sampling Plan & Procedure : EC/SOP/03/01
Vill + P.O - Bonra, P.S - Neturia	Sample Drawn By : ECO CARE
Dist - Purulia	Deviation if any : None
West Bengal - 723121	

METEOROLOGICAL INFORMATION

1	Average Temperature	32.2 °C	2	Barometric Pressure	752 mm Hg
3	Average Relative Humidity	52.0 %	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 ₂ (µg/m ³)	NO _x (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)
Method Detection Limit	5	8	20	10
Industrial Area Standard Limit	80	80	100	60

1. Sampling Location : Near Main Gate

Shift	Time	SO ₂ (µg/m ³)	NO _x (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)
Shift - A	(09:10 AM To 05:10 PM)	41.53	40.52	86.31	37.08
Shift - B	(05:20 PM To 01:20 AM)	29.44	27.64	74.18	
Shift - C	(01:30 AM To 09:30 AM)	33.47	35.10	81.27	
Average	(Shift - A To Shift - C)	34.81	34.42	80.59	

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ULR NO – TC51092300000512F

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

TEST REPORT

Report Release Date : 03.04.2023	Sample Ref. No.(ARF) : EC/ARF/29/230321
Test Report No : EC/TR/42/03038	Source of Sample : Sponge Iron Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 27.03.23 to 28.03.23
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 29.03.23 to 30.03.23
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited	Remarks : ----
(Unit – I)	Sampling Plan & Procedure : EC/SOP/03/01
Vill + P.O – Bonra, P.S - Neturia	Sample Drawn By : ECO CARE
Dist – Purulia	Deviation if any : None
West Bengal - 723121	

METEOROLOGICAL INFORMATION

1	Average Temperature	32.2 °C	2	Barometric Pressure	752 mm Hg
3	Average Relative Humidity	52.0 %	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 ₂ (µg/m ³)	NO _x (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)
Method Detection Limit	5	8	20	10
Industrial Area Standard Limit	80	80	100	60
2. Sampling Location : Near Murulia Village (Out Side of the Plant)				
Shift - A (08:20 AM To 04:20 PM)	33.47	37.13	67.12	30.41
Shift - B (04:30 PM To 12:30 AM)	21.37	26.29	52.29	
Shift - C (12:40 AM To 08:40 AM)	29.44	33.06	61.34	
Average (Shift - A To Shift - C)	28.09	32.16	60.25	
3. Sampling Location : Near Mautha Village (Out Side of the Plant)				
Shift - A (08:40 AM To 04:40 PM)	25.40	28.32	68.49	28.71
Shift - B (04:50 PM To 12:50 AM)	13.31	21.55	58.15	
Shift - C (01:00 AM To 09:00 AM)	21.37	25.61	64.52	
Average (Shift - A To Shift - C)	20.03	25.16	63.72	
4. Sampling Location : Near Bonra Village (Out Side of the Plant)				
Shift - A (09:00 AM To 05:00 PM)	29.44	32.39	75.08	34.22
Shift - B (05:10 PM To 01:10 AM)	17.34	23.58	57.63	
Shift - C (01:20 AM To 09:20 AM)	25.40	29.68	60.23	
Average (Shift - A To Shift - C)	24.06	28.55	64.31	

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ULR NO – TC51092300000521F

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

TEST REPORT

Report Release Date : 03.04.2023	Sample Ref. No.(ARF) : EC/ARF/29/230321
Test Report No : EC/TR/42/03047	Source of Sample : Sponge Iron Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 27.03.23 to 28.03.23
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 27.03.23 to 28.03.23
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited (Unit – I) Vill + P.O – Bonra, P.S – 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	32.2 °C	2	Barometric Pressure	752 mm Hg
3	Average Relative Humidity	52.0 %	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 ³	10.0	0.167

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 ³	4	0.132

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 ³	4	0.113

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 ³	4	0.126

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ULR NO - TC51092300000513F

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

TEST REPORT

Report Release Date : 03.04.2023	Sample Ref. No.(ARF) : EC/ARF/29/230321
Test Report No : EC/TR/42/03039	Source of Sample : Sponge Iron Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 27.03.2023
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 29.03.23 to 30.03.23
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited	Remarks : ---
(Unit - I)	Sampling Plan & Procedure : EC/SOP/03/01
Vill + P.O - Bonra, P.S - Neturia	Sample Drawn By : ECO CARE
Dist - Purulia	Deviation if any : None
West Bengal - 723121	

METEOROLOGICAL INFORMATION

1	Average Temperature	32.2 °C	2	Barometric Pressure	752 mm Hg
3	Average Relative Humidity	52.0 %	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 ³	412.62 µg/m ³

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 ³	434.73 µg/m ³

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

TEST REPORT

Report Release Date	: 03.04.2023	Sample Ref. No (ARF)	: EC/ARF/29/230321
Test Report No	: EC/TR/42/03040	Source of Sample	: Sponge Iron Plant
Type of Sample	: Surface Water	Sampling Date	: 28.03.2023
Sample Collected by	: Mr. Sumit Sarkar	Period of Analysis	: 29.03.23 to 30.03.23
Sample Details	: Supply Water	Sampling Location	: Near Office
Name & Address	: Maithan Steel & Power Limited (Unit - I) Vill + P.O - Bonra, P.S - Neturia Dist - Purulia West Bengal - 723121	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: MSPL - 01
		Sample Drawn By	: ECO CARE
		Remarks	: ---
		Sampling Plan & Procedure	: EC/SOP/03/01
		Deviation if any	: None

Sl. No.	Parameters	Unit	Test Method (APHA 23 rd Edition)	Standards (IS:10500)	Results
1	pH at 25.5 °C		4500-H* B	6.5 - 8.5	7.12
2	TDS	mg/l	2540 C	500.0	279.10
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO ₃)	mg/l	2320 B	200.0	92.70
5	Chloride (as Cl ⁻)	mg/l	4500 - Cl B	250.0	20.20
6	Calcium (as Ca ²⁺)	mg/l	3500 - Ca B	75.0	34.34
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO ₃)	mg/l	2340 C	200.0	110.16
9	Iron (as Fe)	mg/l	3500 - Fe B	0.3	0.06
10	Sulphate (as SO ₄ ²⁻)	mg/l	4500 - SO ₄ ²⁻ E	200.0	12.77
11	Magnesium (as Mg)	mg/l	3500 - Mg B	30.0	5.95
12	Arsenic	mg/l	IS 3025 (Part-37)	0.01	< 0.01
13	Colour	Hazen	2320B	5.0	< 5.0
14	Fluoride (as F)	mg/l	4500F- B & D	1.0	0.24
15	Nitrate (as NO ₃)	mg/l	4500 - NO ₃ ⁻ B	45.0	1.72
16	Chlorine Residual	mg/l	4500 - Cl B	0.2	< 0.50

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ULR NO – TC510923000000514P

TEST REPORT (Part – B)

Report Release Date : 03.04.2023	Sample Ref. No (ARF) : EC/ARF/29/230321
Test Report No : EC/TR/42/03040	Source of Sample : Sponge Iron Plant
Type of Sample : Surface Water	Sampling Date : 28.03.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 29.03.23 to 30.03.23
Sample Details : Supply Water	Sampling Location : Near Office
Name & Address : Maithan Steel & Power Limited (Unit – I) Vill + P.O – Bonra, P.S – Neturia Dist – Purulia West Bengal – 723121	Sample Condition : Sealed & Preserved
	Sample Stamped as : MSPL - 01
	Sample Drawn By : ECO CARE
	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (APHA 23 rd 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 – TC51092300000518F

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

TEST REPORT

Report Release Date : 03.04.2023	Sample Ref. No (ARF) : EC/ARF/29/230321
Test Report No : EC/TR/42/03044	Source of Sample : Sponge Iron Plant
Type of Sample : Ground Water	Sampling Date : 28.03.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 29.03.2023
Sample Details : Bore Well	Sampling Location : Bore Well of Inside the Factory
Name & Address : Maithan Steel & Power Limited (Unit – I) Vill + P.O – Bonra, P.S – Neturia Dist – Purulia West Bengal – 723121	Sample Condition : Sealed & Preserved
	Sample Stamped as : MS – 05
	Sample Drawn By : ECO CARE
	Remarks : ---
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (APHA 23 rd Edition)	Standards (IS:10500)	Results
1	pH at 25.5 °C		4500-H ⁺ B	6.5 – 8.5	7.36
2	TDS	mg/l	2540 C	500.0	307.20
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO ₃)	mg/l	2320 B	200.0	112.27
5	Chloride (as Cl ⁻)	mg/l	4500 – Cl ⁻ B	250.0	28.09
6	Calcium (as Ca ²⁺)	mg/l	3500 – Ca B	75.0	37.61
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO ₃)	mg/l	2340 C	200.0	120.36
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.08
10	Sulphate (as SO ₄ ²⁻)	mg/l	4500 – SO ₄ ²⁻ E	200.0	24.63
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	2320B	5.0	< 5.0
14	Fluoride (as F)	mg/l	4500F– B & D	1.0	0.35
15	Nitrate (asNO ₃)	mg/l	4500 – NO ₃ ⁻ B	45.0	2.75
16	Chlorine Residual	mg/l	4500 – Cl ⁻ B	0.2	< 0.50

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ULR NO – TC51092300000515F

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

TEST REPORT

Report Release Date : 03.04.2023	Sample Ref. No (ARF) : EC/ARF/29/230321
Test Report No : EC/TR/42/03041	Source of Sample : Sponge Iron Plant
Type of Sample : Ground Water	Sampling Date : 28.03.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 29.03.2023
Sample Details : Bore Well	Sampling Location : Murulia Village
Name & Address : Maithan Steel & Power Limited (Unit – I) Vill + P.O – Bonra, P.S – Neturia Dist – Purulia West Bengal – 723121	Sample Condition : Sealed & Preserved
	Sample Stamped as : MS – 02
	Sample Drawn By : ECO CARE
	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (APHA 23 rd Edition)	Standards (IS:10500)	Results
1	pH at 25.7 °C		4500-H' B	6.5 – 8.5	6.88
2	TDS	mg/l	2540 C	500.0	257.40
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO ₃)	mg/l	2320 B	200.0	89.61
5	Chloride (as Cl ⁻)	mg/l	4500 – Cl ⁻ B	250.0	19.71
6	Calcium (as Ca ²⁺)	mg/l	3500 – Ca B	75.0	31.89
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO ₃)	mg/l	2340 C	200.0	106.08
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.11
10	Sulphate (as SO ₄ ²⁻)	mg/l	4500 – SO ₄ ²⁻ E	200.0	27.22
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	2320B	5.0	< 5.0
14	Fluoride (as F)	mg/l	4500F– B & D	1.0	0.22
15	Nitrate (as NO ₃)	mg/l	4500 – NO ₃ B	45.0	1.43
16	Chlorine Residual	mg/l	4500 – Cl ⁻ B	0.2	< 0.50

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ULR NO – TC51092300000516F

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

TEST REPORT

Report Release Date : 03.04.2023	Sample Ref. No (ARF) : EC/ARF/29/230321
Test Report No : EC/TR/42/03042	Source of Sample : Sponge Iron Plant
Type of Sample : Ground Water	Sampling Date : 28.03.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 29.03.2023
Sample Details : Bore Well	Sampling Location : Mautha Village
Name & Address : Maithan Steel & Power Limited (Unit – I) Vill + P.O – Bonra, P.S – Neturia Dist – Purulia West Bengal – 723121	Sample Condition : Sealed & Preserved
	Sample Stamped as : MS – 03
	Sample Drawn By : ECO CARE
	Remarks : ---
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (APHA 23 rd Edition)	Standards (IS:10500)	Results
1	pH at 25.6 °C		4500-H ⁺ B	6.5 – 8.5	7.34
2	TDS	mg/l	2540 C	500.0	266.40
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO ₃)	mg/l	2320 B	200.0	97.85
5	Chloride (as Cl ⁻)	mg/l	4500 – Cl ⁻ B	250.0	18.23
6	Calcium (as Ca ²⁺)	mg/l	3500 – Ca B	75.0	32.71
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO ₃)	mg/l	2340 C	200.0	112.20
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.14
10	Sulphate (as SO ₄ ²⁻)	mg/l	4500 – SO ₄ ²⁻ E	200.0	20.17
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	2320B	5.0	< 5.0
14	Fluoride (as F)	mg/l	4500F– B & D	1.0	0.30
15	Nitrate (asNO ₃)	mg/l	4500 – NO ₃ ⁻ B	45.0	1.30
16	Chlorine Residual	mg/l	4500 – Cl ⁻ B	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



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 – TC51092300000517F

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

TEST REPORT

Report Release Date : 03.04.2023	Sample Ref. No (ARF) : EC/ARF/29/230321
Test Report No : EC/TR/42/03043	Source of Sample : Sponge Iron Plant
Type of Sample : Ground Water	Sampling Date : 28.03.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 29.03.2023
Sample Details : Bore Well	Sampling Location : Bonra Village
Name & Address : Maithan Steel & Power Limited (Unit – I) Vill + P.O – Bonra, P.S – Neturia Dist – Purulia West Bengal – 723121	Sample Condition : Sealed & Preserved
	Sample Stamped as : MS – 04
	Sample Drawn By : ECO CARE
	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (APHA 23 rd Edition)	Standards (IS:10500)	Results
1	pH at 25.7 °C		4500-H ⁺ B	6.5 – 8.5	7.27
2	TDS	mg/l	2540 C	500.0	237.40
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO ₃)	mg/l	2320 B	200.0	101.97
5	Chloride (as Cl ⁻)	mg/l	4500 – Cl B	250.0	21.19
6	Calcium (as Ca ²⁺)	mg/l	3500 – Ca B	75.0	27.80
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO ₃)	mg/l	2340 C	200.0	102.00
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.10
10	Sulphate (as SO ₄ ⁻²)	mg/l	4500 – SO ₄ ⁻² E	200.0	17.76
11	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	7.93
12	Arsenic	mg/l	IS 3025 (Part-37)	0.01	< 0.01
13	Colour	Hazen	2320B	5.0	< 5.0
14	Fluoride (as F)	mg/l	4500F– B & D	1.0	0.33
15	Nitrate (asNO ₃)	mg/l	4500 – NO ₃ ⁻ B	45.0	1.95
16	Chlorine Residual	mg/l	4500 – Cl B	0.2	< 0.50

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Authorised Signatory

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Ph.D.(Env.), Scientist
Authorised Signatory



Annexure - IX

Phone : (0341) 2252011

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Manoj Talkies Basement, Kumarpur

Asansol - 713304

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Specialised House on Environmental Monitoring, Analysis, Assessment & Management

ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

ULR NO - TC51092300000519F

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

TEST REPORT

Report Release Date	: 03.04.2023	Sample Ref. No (ARF)	: EC/ARF/29/230321
Test Report No	: EC/TR/42/03045	Source of Sample	: Sponge Iron Plant
Type of Sample	: Noise	Sampling Date	: 27.03.23 to 28.03.23
Sample Collected by	: Mr. Sumit Sarkar & Team	Period of Analysis	: ----
Sample Details	: Ambient Noise (Inside of the Plant)	Sample Condition	: ----
Name & Address	: Maithan Steel & Power Limited (Unit - I) Vill + P.O - Bonra, P.S - Neturia Dist - Purulia West Bengal - 723121	Remarks	: ----
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Deviation if any	: None

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	32.2
2	Average Relative Humidity (%)	52.0
3	Barometric Pressure (mm of Hg)	752
4	Weather Condition	Clear Day

Noise Limit in dB(A) Leq

Area Code	Category of Area	Night Time (9 P.M - 6 A.M)	Day Time (6 A.M - 9 P.M)
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	66.80 dB(A)	71.25 dB(A)	74.20 dB(A)
	Night	59.10 dB(A)	66.82 dB(A)	70.90 dB(A)
2. Near Bonra Village	Day	51.10 dB(A)	53.63 dB(A)	58.10 dB(A)
	Night	41.20 dB(A)	43.61 dB(A)	49.30 dB(A)
3. Near Murulia Village	Day	50.30 dB(A)	54.66 dB(A)	59.30 dB(A)
	Night	40.30 dB(A)	44.94 dB(A)	50.60 dB(A)

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ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

ULR NO – TC51092300000520F

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

TEST REPORT


Report Release Date : 03.04.2023	Sample Ref. No (ARF) : EC/ARF/29/230321
Test Report No : EC/TR/42/03046	Source of Sample : Sponge Iron Plant
Type of Sample : Noise	Sampling Date : 27.03.23 to 28.03.23
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : ----
Sample Details : Source Noise (Inside of the Plant)	Sample Condition : ----
Name & Address : Maithan Steel & Power Limited	Remarks : ----
(Unit – I)	Sample Drawn By : ECO CARE
Vill + P.O – Bonra, P.S – 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 P.M-6 A.M)	Day Time (6A.M – 9 P.M)
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	10:10Hrs to11:10 Hrs	69.10 dB(A)	70.91 dB(A)	73.50 dB(A)
2	11:10 Hrs to12:10 Hrs	62.60 dB(A)	68.38 dB(A)	71.80 dB(A)
3	12:10 Hrs to01:10 Hrs	50.70 dB(A)	59.67 dB(A)	64.10 dB(A)
4	01:10 Hrs to02:10 Hrs	59.40 dB(A)	68.07 dB(A)	74.80 dB(A)
5	02:10 Hrs to03:10 Hrs	51.60 dB(A)	59.63 dB(A)	62.90 dB(A)
6	03:10 Hrs to04:10 Hrs	47.80 dB(A)	58.40 dB(A)	62.70 dB(A)
7	04:10 Hrs to05:10 Hrs	62.10 dB(A)	66.13 dB(A)	69.70 dB(A)
8	05:10 Hrs to06:10 Hrs	50.60 dB(A)	59.37 dB(A)	63.10 dB(A)
9	06:10 Hrs to07:10 Hrs	63.50 dB(A)	70.84 dB(A)	75.10 dB(A)
10	07:10 Hrs to08:10 Hrs	57.30 dB(A)	68.74 dB(A)	73.40 dB(A)
11	08:10 Hrs to 09:10 Hrs	57.10 dB(A)	65.04 dB(A)	69.60 dB(A)
12	09:10 Hrs to10:10 Hrs	51.30 dB(A)	60.11 dB(A)	64.20 dB(A)
13	10:10 Hrs to11:10 Hrs	66.70 dB(A)	70.16 dB(A)	72.70 dB(A)
14	11:10 Hrs to12:10 Hrs	48.10 dB(A)	57.92 dB(A)	62.00 dB(A)
15	12:10 Hrs to01:10 Hrs	54.70 dB(A)	60.35 dB(A)	63.40 dB(A)
16	01:10 Hrs to02:10 Hrs	44.60 dB(A)	59.20 dB(A)	61.40 dB(A)
17	02:10 Hrs to03:10 Hrs	49.00 dB(A)	64.44 dB(A)	68.50 dB(A)
18	03:10 Hrs to04:10 Hrs	60.50 dB(A)	69.30 dB(A)	74.80 dB(A)
19	04:10 Hrs to05:10 Hrs	50.80 dB(A)	58.90 dB(A)	62.30 dB(A)
20	05:10 Hrs to06:10 Hrs	62.30 dB(A)	69.13 dB(A)	73.20 dB(A)
21	06:10 Hrs to07:10 Hrs	63.40 dB(A)	67.83 dB(A)	70.30 dB(A)
22	07:10 Hrs to08:10 Hrs	67.20 dB(A)	69.91 dB(A)	72.40 dB(A)
23	08:10 Hrs to09:10 Hrs	65.40 dB(A)	67.92 dB(A)	71.30 dB(A)
24	09:10 Hrs to10:10 Hrs	59.10 dB(A)	63.34 dB(A)	66.60 dB(A)

1. Test values are reported based on the samples received.
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 Authorised Signatory
Dr. Mousumi Pal
 Ph.D.(Env.), Scientist
 Authorised Signatory

BARAKAR X-RAY CLINIC & SCAN CENTRE

G. T. Road, Barakar-713 324, Phone : 0341-2520462
Working Hours :- 9 am. to 7 pm. daily

To
THE MAITHAN STEEL & POWER LTD
BONRA
PO: - BONRA
PS: - NITURIA
DIST: - PURULIA (W.B.)

Dear Sir,

AS PER YOUR WORK ORDER NO: - MSPLU-2/23-24/284, DATED: -13/02/2023
FOLLOWING PATIENTS TEST DONE.
THE ENCLOSE FILE GIVEN AS AN ATTACHMENT.

1. Kamakshya Dey
2. Manas Banerjee
3. Sandip Maji
4. Ajay Gorai
5. Samir Nandi
6. Sankujit Majee
7. Ashis Kabi
8. Santosh Kr. Poddar
9. Mintu Majee
10. Abu Sahir
11. Pinaki Banerjee

Rishmani
DR. R. K. SHARMA
Regd. Medical Practitioner
Regd. No. - 5415

Ahmed
BARAKAR X-RAY CLINIC & SCAN CENTRE
G.T. ROAD, BARAKAR - 713324

Dr. Abir Guha
MBBS, DNB, M D (PATH)
Consultant Pathologist

Verified by -
Chief Technologist
(Path)

Dr. Manoj Kumar
MD (Radio-Diagnosis)
Consultant Radiologist

Dr. Abhishek Ghosh
M B B S DMRD
Consultant Radiologist

C. T. SCAN, 4D ULTRASOUND, Color Doppler, Small Parts USG, Digital X-Ray, Echo-Cardiography & Pathology

This is a professional opinion, not a final diagnosis. It should be considered along with other clinical findings and may be reviewed in case of any discrepancy.

BARAKAR X-RAY CLINIC & SCAN CENTER
TEST DONE ON-21.03.2023

SLNO	NAME	BLOOD ANALYSIS								ECG	PFT	X-RAY (CHEST)	
		HEMOGLOBIN (gm/dl)	WBC(CMM)	NEUTROPHIL (%)	LYMPHOCYTES (%)	MONOCYTES (%)	EOSINOPHILS (%)	BASOPHIL (%)	ESR(mm)				BLOOD GROUP
1	Kamakshya Dey	11.3	8,300	50	30	0	0	0	10	"AB"+	SINUS ARRHYTHMIA	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
2	Manas Banerjee	15.4	9,500	70	50	0	2	0	20	"A"+	SINUS TACHYCARDIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
3	Sandip Maji	13.1	11,400	70	39	0	1	0	10	"O"+	SINUS RHYTHM	MILD RESTRICTION	WITHIN NORMAL LIMIT
4	Ajay Gorai	13.6	8,600	60	60	0	4	0	15	"B"+	SINUS ARRHYTHMIA	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
5	Samir Nandi	15.5	8,100	48	30	2	18	0	30	"B"+	SINUS RHYTHM	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
6	Sankujit Majee	13.1	6,300	60	30	0	0	0	10	"A"+	SINUS RHYTHM	MILD RESTRICTION	WITHIN NORMAL LIMIT
7	Ashis Kabi	12.9	10,200	40	20	2	8	0	14	"B"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
8	Santosh Kr. Poddar	14.2	7,400	80	50	2	8	0	45	"O"+	SINUS RHYTHM	MILD RESTRICTION	WITHIN NORMAL LIMIT
9	Mintu Majee	12.2	4,200	63	50	2	4	0	22	"O"+	SINUS RHYTHM	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
10	Abu Sahir	14.3	10,500	46	20	0	0	0	6	"O"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
11	Pinaki Banerjee	13.8	7,500	70	30	0	0	0	5	"O"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT

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AS PER YOUR WORK ORDER NO: - MSPLU-2/23-24/284, DATED: -13/02/2023
FOLLOWING PATIENTS TEST DONE.
THE ENCLOSE FILE GIVEN AS AN ATTACHMENT.

1. Bapi Chatterjee
2. Nimai Majee
3. Pintu Majee
4. Pradip Nandi
5. Ramprasad Majee
6. Ramesh Layek
7. Ranjit Maikap
8. Sanjay Chakraborty
9. Srikanta Layek
10. Sukumar Maji

Rishma
DR. R. K. SHARMA
Regd. Medical Practitioner
Regd. No. - 5415

Chandra
BARAKAR X-RAY CLINIC & SCAN CENTRE
G.T. ROAD, BARAKAR - 713324

Dr. Abir Guha
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Consultant Pathologist

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MD. (Radio-Diagnosis)
Consultant Radiologist

Dr. Abhishek Ghosh
MBBS, DMRD
Consultant Radiologist

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BARAKAR X-RAY CLINIC & SCAN CENTER
TEST DONE ON-18.03.2023

SL.NO	NAME	BLOOD ANALYSIS									ECG	PFT	X-RAY (CHEST)
		HEMOGLOBIN (gm/dl)	WBC(CMM)	NEUTROPHIL (%)	LYMPHOCYTES (%)	MONOCYTES (%)	EOSINOPHILS (%)	BASOPHIL (%)	ESR(mm)	BLOOD GROUP			
1	Bapi Chatterjee	12.1	9,500	63	35	0	2	0	10	"B"+	SINUS RHYTHM	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
2	Nimai Majee	10.3	6,300	70	30	0	0	0	10	"AB"+	SINUS ARRHYTHMIA	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
3	Pintu Majee	15.5	4,200	60	40	0	0	0	12	"O"+	SINUS ARRHYTHMIA	MILD RESTRICTION	WITHIN NORMAL LIMIT
4	Pradip Nandi	12.9	8,800	70	30	0	0	0	10	"A"+	SINUS RHYTHM	MILD RESTRICTION	WITHIN NORMAL LIMIT
5	Ramprasad Majee	14.2	8,600	60	35	1	4	0	12	"B"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
6	Ramesh Layek	15.0	8,200	70	23	2	5	0	6	"O"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
7	Ranjit Maikap	13.8	6,100	70	20	2	8	0	14	"B"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
8	Sanjay Chakraborty	14.0	10,500	80	20	0	0	0	8	"A"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
9	Srikanta Layek	14.9	9,000	60	4	0	0	0	12	"O"+	INCOMPLETE RIGHT BUNDLE BRANCH BLOCK	MILD RESTRICTION	WITHIN NORMAL LIMIT
10	Sukumar Maji	15.6	5,200	65	30	1	4	0	15	"O"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT

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To
THE MAITHAN STEEL & POWER LTD
BONRA
PO: - BONRA
PS: - NITURIA
DIST: - PURULIA (W.B.)

Dear Sir,

AS PER YOUR WORK ORDER NO: - MSPLU-2/23-24/284, DATED: -13/02/2023
FOLLOWING PATIENTS TEST DONE.
THE ENCLOSE FILE GIVEN AS AN ATTACHMENT.

1. Puren Das
2. Dablu Rout
3. Khokan Das
4. Manoj Layak
5. Monikanta Layek
6. Sadhan Chakraborty
7. Shyamal Majee
8. Biswanath Nandi
9. Megnath Chakraborty
10. Ashish Majee

Rishnow
DR. R. K. SHARMA
Regd. Medical Practitioner
Regd. No. - 5415

Chowdhury
BARAKAR X-RAY CLINIC & SCAN CENTRE
G.T. ROAD, BARAKAR - 713324

Dr. Abir Guha
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M B B S DMRD
Consultant Radiologist

C. T. SCAN, 4D ULTRASOUND, Color Doppler, Small Parts USG, Digital X-Ray, Echo-Cardiography & Pathology

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BARAKAR X-RAY CLINIC & SCAN CENTER

TEST DONE ON-14.03.2023

SL.NO	NAME	BLOOD ANALYSIS									ECG	PFT	X-RAY (CHEST)
		HEMOGLOBIN (gm/dl)	WBC(CMM)	NEUTROPHIL (%)	LYMPHOCYTES (%)	MONOCYTES (%)	EOSINOPHILS (%)	BASOPHIL (%)	ESR(mm)	BLOOD GROUP			
1	Puren Das	14.9	9,000	80	35	1	4	0	12	"B"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
2	Dablu Rout	13.1	11,400	70	39	0	1	0	10	"O"+	SINUS RHYTHM	MILD RESTRICTION	WITHIN NORMAL LIMIT
3	Khokan Das	14.9	9,000	80	35	1	4	0	12	"B"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
4	Manoj Layak	13.8	7,500	70	30	0	0	0	5	"O"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
5	Monikanta Layek	13.6	7,900	44	19	0	1	0	5	"AB"+	LEFT VENTRICULAR HYPERTROPHY	NORMAL SPIROMETRY	FIBROTIC SCARRING LEFT UPPER ZONE
6	Sadhan Chakraborty	13.8	7,500	70	30	0	0	0	5	"O"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
7	Shyamal Majee	13.6	8,600	60	60	0	4	0	15	"B"+	SINUS ARRHYTHMIA	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
8	Biswanath Nandi	15.5	8,100	48	30	2	18	0	30	"B"+	SINUS RHYTHM	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
9	Megnath Chakraborty	13.1	6,300	60	30	0	0	0	10	"A"+	SINUS RHYTHM	MILD RESTRICTION	WITHIN NORMAL LIMIT
10	Ashish Majee	13.5	6,300	66	40	1	8	0	10	"O"+	SINUS BRADYCARDIA	MILD RESTRICTION	WITHIN NORMAL LIMIT

FORM NO. 17

HEALTH

1. Serial No. in the Register of Adult workers
 2. Name of worker **Mr. Anujit Ojha**
 3. Sex **Male** Date of birth **01.12.1972**
 [Prescribed under Rules 63 & 64 of The West Bengal Factories Rules, 1958]

Date of examination	Name of the person	Designation	Name of the employer	Has medical attention in the previous 12 months to be recorded in	Date of entry	Date of leaving (leave to other work)	Reason for discharge (leave to other work)	Disease	
								Signs and symptoms observed during examination	
1	2	3	4	5	6	7	8	9	10
		Manager			2/3/22				
					8/09/22				
					21/03/22				

REGISTER

as amended vide Notification No. 1133-1W (B-17) dated 27th Nov. 1991

Examination and the results thereof		Examination of the worker			
Name of worker & Serial No.	Date of entry	Period of temporary absence from work	Reason for last absence	Date of re-entry to work	Remarks
1	2	3	4	5	6
Bp - 122/82 Pulse - 62/60 Chest - clear R.R. - 14/4 Height - 5.8" Weight - 74 Kg Anemia - Nil S.p.O ₂ - 99% Auscultation R-Group - B+			Fit		
Bp - 118/80 Pulse - 72/60 Chest - clear R.R. - 14/4 Height - 5.8" Weight - 77 Kg Anemia - Nil S.p.O ₂ - 97% Auscultation R-Group - B+			Fit		
Bp - 120/80 Pulse - 72/60 Chest - clear R.R. - 14/4 Height - 5.8" Weight - 76 Kg Anemia - Nil S.p.O ₂ - 98% Auscultation R-Group - B+			Fit		

DR. R. K. SIKARUA
 B.Sc. (Hons.) in P.H.
 Regd. No. - 5415

DR. R. K. SIKARUA
 B.Sc. (Hons.) in P.H.
 Regd. No. - 5415

(Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1950)

1. Name of the Employer: **Mr. Bandan Mondal**
 2. Name of worker: **Mr. Bandan Mondal**
 3. Sex: **Male** Date: **21.10.1976**

Date of examination	Name of the worker	Name of the Employer	Presenting complaint or symptoms	Date of birth	Sex of worker	Reason for discharge from work	Medical
							Signs and symptoms observed during examination
		Mr. Mondal		21/10/76			
				16/11/76			
				21/11/76			

as amended vide Notification No. 10331-W-BE-151 dated 17th Nov. 1991

Name of the worker	Date of birth	Sex	Reason for last admission	Date of discharge from work	Date of return to work	Signature with seal of the Factory Inspector
Op - 124/74						
Pulse - 92/m						
chest - clear						
RR - 14/m			FIT			
Height - 5.7"						
Weight - 76kg						
Respiratory - Nil						
B.Camp - B+						
SpO2 - 99%						
Op - 124/80						
Pulse - 88/m						
chest - clear						
RR - 14/m			FIT			
Height - 5.7"						
Weight - 76kg						
Respiratory - Nil						
B.Camp - B+						
SpO2 - 96%						
Op - 116/80						
Pulse - 76/m						
chest - clear						
RR - 14/m			FIT			
Height - 5.7"						
Weight - 75kg						
Respiratory - Nil						
B.Camp - B+						
SpO2 - 98%						

Dr. Santanu Mondal
 Medical Officer
 West Bengal State
 Health Services
 Kolkata - 700 001

Dr. R. K. SHARMA
 Medical Officer
 West Bengal State
 Health Services
 Kolkata - 700 001

Dr. R. K. SHARMA
 Medical Officer
 West Bengal State
 Health Services
 Kolkata - 700 001

FORM NO. 17

HEALTH

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

1. Serial No. of the Register of Adult workers
 2. Name of worker **Mr. Panchab Chakraborty**
 3. Sex **Male** 4. Date of issue **10.07.1970**

Department	Name of the factory	Designation	Nature of the occupation	Are maximum number of hours worked in excess of 48 in any week to be reported	Date of posting	Date of leaving factory to other work	Reason for discharge or other exit	Medical
								Sigs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
ESL			clerk		2/3/72			
					18/5/72			
					2/5/73			

REGISTER

as amended vide Notification No. 1183-EW-HE-191 dated 27th Nov. 1991

Examination and the results thereof		If engaged with the work				Signature with date of the Factory Medical Officer or the Certifying Surgeon
Name of tests & results thereof	Result	Period of absence with pay from the work	Reasons for such absence	Date of returning to the work	Date of issuing Fitness Certificate	
10	11	12	13	14	15	16
Bp - 130/82 Pulse - 76/w Chest - clear RR - 16/w Height - 5.10 Weight - 73kg Hematin - Nil SpO2 - 98% Group - AB+	Fit					Dr. Santanu Mondal Medical Officer (Factory) - General Authorized Medical Authority Regd No. 12211/2010
Bp - 122/82 Pulse - 70/w Chest - clear RR - 16/w Height - 5.10 Weight - 78kg Hematin - Nil SpO2 - 98% Group - AB+	Fit					DR. R. K. SHARMA Regd No. 5415
Bp - 126/82 Pulse - 80/w Chest - clear RR - 16/w Height - 5.10 Weight - 77kg Hematin - Nil SpO2 - 98% Group - AB+	Fit					DR. R. K. SHARMA Regd No. 5415

HEALTH

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

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

Department number	Name of factory establishment	Duties and operations	Nature of job or occupation	Hazardous products or by-products likely to be exposed to	Date of posting	Date of leaving employment in other work	Reason for discharge transfer to other work	Medical
								Signs and symptoms observed during examination
			Helper		23/22			
					18/07/72			
					21/05/75			

REGISTER

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

10 Nature of tests & results thereof	11 Result P/L/Nil	12 Period of Temporary exemption from the work	13 If declared unfit for work			15 Signature with date of the Factory Medical Officer / The Certifying Surgeon
			Reason for such exemption	Date of declaring unfit for the work	Date of returning to work Certificate	
Bp - 146/82 Pulse - 95/m Chest - clear RR - 14/m Height - 5.5' Weight - 69kg Hæmoglobin - Nil B Group - B+ SpO2 - 97%						Journal Dr. Santanu Mondal Regd. Medical Practitioner Regd. No. - 51851 (W.D.M.)
Bp - 128/82 Pulse - 82/m Chest - clear RR - 14/m Height - 5.5' Weight - 70kg Hæmoglobin - Nil B Group - B+ SpO2 - 96%						Journal DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
Bp - 118/82 Pulse - 82/m Chest - clear RR - 14/m Height - 5.5' Weight - 70kg Hæmoglobin - Nil B Group - B+ SpO2 - 96%						Journal DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415

FORM NO. 17

HEALTH

[Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1950]

1. Serial No. in the Register of Adult Worker
 2. Name of worker **Mr. Rajid Maikap**
 3. Sex **Male** 4. Date of Birth **21.11.1977**

Department works	Name of the process	Employment or the operation	Nature of job or occupation	Are minimum provisions of by products to be removed 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
<i>Alsch</i>			<i>Helper</i>		<i>2/3/77</i>			
					<i>16/03/77</i>			
					<i>2/03/77</i>			

1. Separate copy to be submitted to the Inspector of Factories.
 2. This entry should be made in the Register.

REGISTER

as amended vide Notification No. 1183-EW-1R-491 dated 17th Nov. 1991

Examination and the results obtained		If absent state the cause				Signature and Seal of the Factory Medical Officer or the Certifying Surgeon
Date of test & results obtained	Result obtained	Pressure for each artery	Rate of temp. at the time of the test	Rate of temp. at the time of the test	Rate of temp. at the time of the test	
<i>Bp - 133/51</i>						<i>Dr. Santanu Mondal</i> MBBS, D.C.H. (D.M.) Assistant Director of Public Health Regd. No. - 52113 (A) M.S.
<i>Pulse - 78/m</i>						
<i>RR - 14/m</i>						
<i>Chest - clear</i>	<i>Fit</i>					<i>Dr. R. K. SHARMA</i> MBBS, D.C.H. (D.M.) Assistant Director of Public Health Regd. No. - 5415
<i>Height - 5.4</i>						
<i>Weight - 48 kgs</i>						
<i>Anaemia - Nil</i>						<i>Dr. R. K. SHARMA</i> MBBS, D.C.H. (D.M.) Assistant Director of Public Health Regd. No. - 5415
<i>SpO2 - 79%</i>						
<i>Bp - 126/80</i>						
<i>Pulse - 87/m</i>						<i>Dr. R. K. SHARMA</i> MBBS, D.C.H. (D.M.) Assistant Director of Public Health Regd. No. - 5415
<i>RR - 14/m</i>						
<i>Chest - clear</i>	<i>Fit</i>					
<i>Height - 5.5</i>						<i>Dr. R. K. SHARMA</i> MBBS, D.C.H. (D.M.) Assistant Director of Public Health Regd. No. - 5415
<i>Weight - 50 kgs</i>						
<i>Anaemia - Nil</i>						
<i>SpO2 - 78%</i>						

1. Name of the worker: *Mr. Maday Paul*

(Prescribed under Rules 63 & 64 of The West Bengal Factories Rules, 1948)

2. Name of worker: *Mr. Maday Paul*

Mr. Maday Paul

3. Sex: *Male*

4. Date of birth: *15. 11. 1913*

Date of examination	Name of the worker	Company name	Name of the doctor	Time of examination	Time of day	Reason for absence	Medical	
							Signs and symptoms observed during examination	Remarks
	<i>Maday Paul</i>		<i>Maday Paul</i>		<i>2/3/22</i>			
					<i>1/10/22</i>			
					<i>2/10/22</i>			

REGISTER

as amended vide Notification No. 1031/W.B.F.R. dated 27th Nov. 1971

Name of the worker	Date of examination	Time of day	Reason for absence	Medical		Remarks
				Signs and symptoms observed during examination	Remarks	
<i>Bp - 112/80</i>						
<i>Pulse - 77/min</i>						
<i>Chest - clear</i>						
<i>RR - 18/min</i>			<i>Fit</i>			
<i>Height - 5.2</i>						
<i>Weight - 57 kg</i>						
<i>R. group - B+</i>						
<i>Anaemia - Nil</i>						
<i>SpO2 - 97%</i>						
<i>Bp - 120/80</i>						
<i>Pulse - 82/min</i>						
<i>Chest - clear</i>						
<i>RR - 18/min</i>			<i>Fit</i>			
<i>Height - 5.2</i>						
<i>Weight - 62 kg</i>						
<i>R. group - B+</i>						
<i>Anaemia - Nil</i>						
<i>SpO2 - 98%</i>						
<i>Bp - 120/80</i>						
<i>Pulse - 72/min</i>						
<i>Chest - clear</i>						
<i>RR - 18/min</i>			<i>Fit</i>			
<i>Height - 5.2</i>						
<i>Weight - 62 kg</i>						
<i>R. group - B+</i>						
<i>Anaemia - Nil</i>						
<i>SpO2 - 98%</i>						

Dr. Santanu Mondal

DR. S. S. SARKAR

DR. N. K. SINGH
Regd. No. 5415

HEALTH

[Prescribed under Rules 61 & 91 of The West Bengal Factories Rules, 1958]

1. Serial No. in the Register of A.S.I. worker
 2. Name of worker **Mr. Bijoy Chakraborty**
 3. Sex **Male** Date of Birth **06.01.1927**

Date of examination	Name of Supervisor	Occupation of worker	Nature of job	How exposure probably is by possible means in the employment	Date of posting	Date of leaving factory for other work	Reason for absence from work	Medical
								Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
02/03/22			Helper		02/03/22			
					25/07/22			
					21/06/23			

REGISTER

as amended vide Notification No. (103-FW-BE-191) dated 27th Nov. 1991

Examination and the results thereof		As detailed in the work				Signature with date of the Factory Medical Officer in the working Register
Nature of tests & results thereof	Result	Period of temporary withdrawal from work	Reason for such withdrawal	Date of returning to work	Date of issuing medical certificate	
10	11	12	13	14	15	16
Bp - 128/80 Pulse - 76/m Chest - clear RR - 16/m height - 5.5" Weight - 60 kgs Anaemia - Nil B.Grup - O+ SPO2 - 97%	Fit					<i>[Signature]</i> Dr. Santanu Ghoshal M.D.S. (C.A.R.C.H. Dept.) A. Government Medical Officer Regd No. - 12551 (W.B.M.)
Bp - 107/80 Pulse - 82/m Chest - clear RR - 14/m height - 5.5" Weight - 62 kgs Anaemia - Nil B.Grup - O+ SPO2 - 97%	Fit					<i>[Signature]</i> DR. R. K. SHARMA Regd No. - 5415
Bp - 118/80 Pulse - 78/m Chest - clear RR - 14/m height - 5.5" Weight - 64 kgs Anaemia - Nil B.Grup - O+ SPO2 - 96%	Fit					<i>[Signature]</i> DR. R. K. SHARMA Regd No. - 5415

1. Serial No. in the Register of adult workers

[Prescribed under Rules 63 & 91 of The West Bengal Factories Rules, 1950]

2. Name of worker: Mr. Guesderp Singh

3. No. K/10 Date of issue: 02-04-1970

Department works	Name of the worker present	The person for whom signature	Number of job in the register	Are any special provisions to be provided to the registered?	Date of posting	Date of leaving work to other work	Reason for discharge transfer to other work	Name of Signs and symptoms observed during examination
Electrical			(10)		2/3/70			
					12/07/70			
					5/09/70			

Notes - 1. Separate page should be maintained for casual workers
2. Fresh entry should be made for casual workers

REGISTER

as amended vide Notification No. 1083-LW (H-191) dated 17th Nov. 1991

Examination with the results thereof		At intervals upto five years					Signature with date of the Factory Medical Officer or Consulting Surgeon
Name of tests & results thereof	Result Category	Period of Temporary with-stand from the work	Reasons for such with-stand	Date of returning to work with Certificate	Date of returning to work with Certificate		
10	11	12	13	14	15	16	
Bp - 118/80 Pulse - 97/m Chest - clear RR - 14/m Height - 5.6" Weight - 69kg Auscultation - Nil Sputum - Nil B Group - B+	Fit					Dr. Santanu Mondal MBBS, MD, D.C.M. (D) (I) Specialist Physician Regd. No. 5201 (M) M-1	
Bp - 126/80 Pulse - 74/m Chest - clear RR - 14/m Height - 5.6" Weight - 66kg Auscultation - Nil Sputum - Nil B Group - B+	Fit					Dr. R. K. SARKAR MBBS, MD, D.C.M. (I) (I) Specialist Physician Regd. No. 5415	
Bp - 115/80 Pulse - 76/m Chest - clear RR - 14/m Height - 5.6" Weight - 68kg Auscultation - Nil Sputum - Nil B Group - B+	Fit					Dr. R. K. SARKAR MBBS, MD, D.C.M. (I) (I) Specialist Physician Regd. No. 5415	

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, 6th 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 Lakh)

ACTIVITY	CER Budget	Expenses Incurred		Balance Budget
		2021-22	2022-23	2023-24
Sinking of new bore wells, pipelines in villages	45.00	--	9.20	CER EXPNDITURE ACHIVED
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	
Total:-	149.00	86.79	73.99	



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

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: 27th September 2022



Director

Registered Office:

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

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

☎ 8651540007

বিমানবন্দরে চিতাবাঘের হানায় আতঙ্কিত যাত্রীরা পাতা হনো বাঁচা

তুমিও যে বাগডোগরায়..কে তা জানত



এই সময় বিমানটি ছাড়া... বিমানবন্দরে চিতাবাঘের হানায় আতঙ্কিত যাত্রীরা পাতা হনো বাঁচা... তুমিও যে বাগডোগরায়..কে তা জানত

এই সময় বিমানটি ছাড়া... বিমানবন্দরে চিতাবাঘের হানায় আতঙ্কিত যাত্রীরা পাতা হনো বাঁচা... তুমিও যে বাগডোগরায়..কে তা জানত

এই সময় বিমানটি ছাড়া... বিমানবন্দরে চিতাবাঘের হানায় আতঙ্কিত যাত্রীরা পাতা হনো বাঁচা... তুমিও যে বাগডোগরায়..কে তা জানত

এই সময় বিমানটি ছাড়া... বিমানবন্দরে চিতাবাঘের হানায় আতঙ্কিত যাত্রীরা পাতা হনো বাঁচা... তুমিও যে বাগডোগরায়..কে তা জানত

Advertisement for 'সহেলি' (Saheli) featuring a woman's portrait and text about a magazine or publication.

Advertisement for 'HAPPY' (Happy) featuring a woman's portrait and text about a magazine or publication.

Advertisement for 'আপনার বিজ্ঞাপন দিতে' (For your advertisement) with a large graphic and contact information.

Advertisement for 'TIMES Screamate' featuring a woman's portrait and text about a magazine or publication.

পিএফ নিয়ে অসুবিধা, দূর করবে রাজা

এই সময় বিমানটি ছাড়া... বিমানবন্দরে চিতাবাঘের হানায় আতঙ্কিত যাত্রীরা পাতা হনো বাঁচা... তুমিও যে বাগডোগরায়..কে তা জানত

উত্তরের গা-বয়স

এই সময় বিমানটি ছাড়া... বিমানবন্দরে চিতাবাঘের হানায় আতঙ্কিত যাত্রীরা পাতা হনো বাঁচা... তুমিও যে বাগডোগরায়..কে তা জানত

সপ্তম শ্রেণির মেধাবী পড়ুয়া জাল নোটের চোরাচালানে!

এই সময় বিমানটি ছাড়া... বিমানবন্দরে চিতাবাঘের হানায় আতঙ্কিত যাত্রীরা পাতা হনো বাঁচা... তুমিও যে বাগডোগরায়..কে তা জানত

এই সময় বিমানটি ছাড়া... বিমানবন্দরে চিতাবাঘের হানায় আতঙ্কিত যাত্রীরা পাতা হনো বাঁচা... তুমিও যে বাগডোগরায়..কে তা জানত

ঘরে দম্পতির দেহ, তদন্তে পুলিশ

এই সময় বিমানটি ছাড়া... বিমানবন্দরে চিতাবাঘের হানায় আতঙ্কিত যাত্রীরা পাতা হনো বাঁচা... তুমিও যে বাগডোগরায়..কে তা জানত

এই সময় বিমানটি ছাড়া... বিমানবন্দরে চিতাবাঘের হানায় আতঙ্কিত যাত্রীরা পাতা হনো বাঁচা... তুমিও যে বাগডোগরায়..কে তা জানত

Advertisement for 'TIMES TRIBUTE' featuring a man's portrait and contact information.

ভূয়ো মামলা দেখিয়ে প্রতারণা, কাঠগড়ায় দুই আইনজীবী

এই সময় বিমানটি ছাড়া... বিমানবন্দরে চিতাবাঘের হানায় আতঙ্কিত যাত্রীরা পাতা হনো বাঁচা... তুমিও যে বাগডোগরায়..কে তা জানত

এই সময় বিমানটি ছাড়া... বিমানবন্দরে চিতাবাঘের হানায় আতঙ্কিত যাত্রীরা পাতা হনো বাঁচা... তুমিও যে বাগডোগরায়..কে তা জানত

MAITHAN STEEL & POWER LIMITED



Ref: MSPL/EC/21-22/Intimation

Date: 07/08/2021

To,
The Panchayat Pradhan
Bhanuria 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-I-11011/554/2017-IA,II (I) Dated 26th 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. I-11011/554/2017-IA,II (I) dated 26th 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.

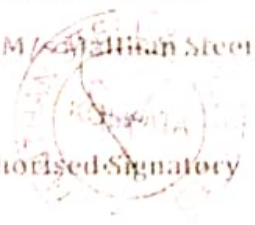
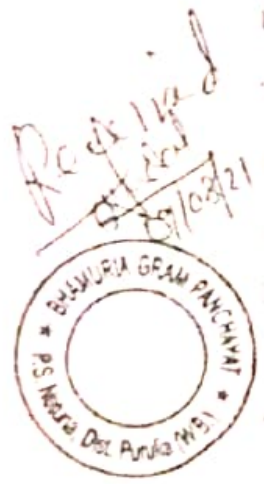
This is for your kind information, Please acknowledge the same

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

Works: Unit-I
PO Bonra, P.S. Neturia - 723121,
Dist. Purulia. (WB)

Works: Unit-II
Chittaranjan Road, Dendua More,
PO & PS : Salanpur - 713357,
Dist. Paschim Bardhaman (WB)

CIN: U27102WB2001PLC093321

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 26th 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 26th 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.

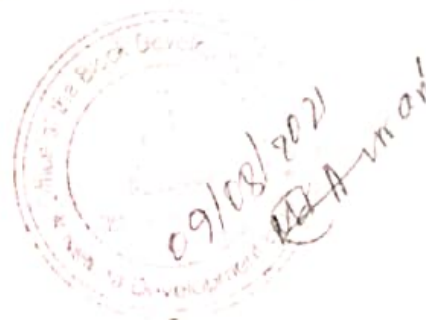
Thanking you,

With warm regards,

For, M/s. Maithan Steel & Power Limited

Authorized 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)

www.maithansteel.com

Works: Unit-II

Chittaranjan Road, Dendua More,
P.O. & P.S.: Salanpur - 713357,
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-Borra, PS-Neturia, Purulia District, West Bengal

Ref:- EC No- I -11011/554/2017-IA.II (1); Dated 26th July, 2021

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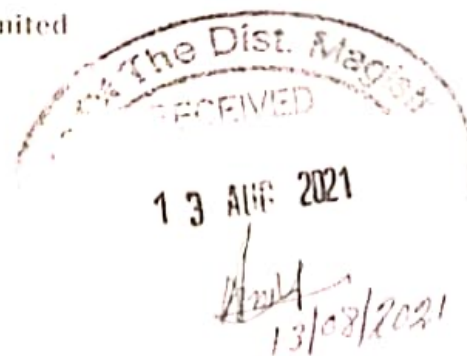
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