

File No: MSPL2/EnvCompl/Jun'23

Date: 25/05/2023

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

**Subject:** Six Monthly (June, 2023) compliance report for M/s. Maithan Steel & Power Limited (Unit-II)

**References:** EC No. J-11011/679/2008-IA II(I) dated 27-08-2010 and J-11011/679/2008-IA.II(I) dated 16<sup>th</sup> April 2019 with amended dated 14<sup>th</sup> October, 2019

Sir/Madam(s),

With reference to the above subject, we are hereby submitting the six monthly compliance reports period from October'22 to March'23 for EC No- J-11011/679/2008-IA II(I) dated 27-08-2010 and J-11011/679/2008-IA.II(I) dated 16<sup>th</sup> April 2019 with amended dated 14<sup>th</sup> October 2019; for expansion of Steel Melting Shop (IF with LF & CCM): from 1,35,000 TPA to 3,75,000 TPA; Rolling Mill: from 90,000 TPA to 2,97,000 TPA; Cold Drawing Workshop: 33,000 TPA at Chittaranjan Road, Dendua More, Vill- Nakrajoria, PS- Salanpur, Dist- Paschim Bardhaman, West Bengal in the name of M/S Maithan Steel & Power Limited (Unit-II), in soft copy format vide mail.

Hope you will find the same in order.

Thanking you.

Yours faithfully,

For, M/s Maithan Steel & Power Limited

Director



C.C.:

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

Enclosures-

1. Compliance Report for EC;
2. Copy of OCEMS Data from October, 2022 to March, 2023 as Annexure- I;
3. Copy of Stack Emission Data as Annexure- II;
4. Copy of Fugitive Emission Report as Annexure- III;
5. Copy of AAQM Report as Annexure- IV;
6. Copy of CREP for Existing Production Unit as Annexure- V;
7. Copy of Process Water Test Report as Annexure- VI;
8. Copy of Pre Monsoon Ground Water Report as Annexure- VII;
9. Copy of STP Effluent Water Analysis Report as Annexure- VIII;
10. Copy of Drinking Water Quality Report as Annexure- IX;
11. Copy of Ambient & Work Noise Quality Monitoring Report as Annexure- X;
12. Copy of Heat Stress Analysis Report as Annexure- XI;
13. Copy of Occupational Health Report as Annexure- XII;
14. Copy of CER Cost as Annexure- XIII;
15. Recurring Cost Detail as Annexure- XIV;
16. Newspapers Advertisement as Annexure- XV

Registered Office:

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

Works: Unit-I

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

Works: Unit-II

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



## Half-Yearly Compliance Report

On

### Environmental Clearance Conditions

(MoEFCC Letter Ref. No: J-11011/679/2008-IA-II(I) Dated 27-08-2010 and Dated 16.04.2019, Amended Dated 14.10.2019)

Period: October, 2022 – March, 2023

**Submitted by:**

**M/s. Maithan Steel and Power Limited**

At, Vill- Nakrajoria, PO & PS/  
Tehsil- Sianpur, Dist- Paschim  
Bardhaman, West Bengal- 713357



Name of the Project:

Expansion of Steel Melting Shop (IF with LF & CCM): from 1,35,000 TPA to 3,75,000 TPA; Rolling Mill: from 90,000 TPA to 2,97,000 TPA; Cold Drawing Workshop: 33,000 TPA by M/s. Maithan Steel & Power Ltd located at Vill- Nakrajoria, PO & PS- Salanpur, Dist- Paschim Burdwan, WB

Clearance Letter No. with date:

EC No- J-11011/679/2008-IA.II(I) dated 16.04.2019 and amended dated 14.10.2019

Period of Compliance Report:

October, 2022 to March, 2023

**A. Specific Conditions:**

Sr. No.	Conditions	Compliance Status
i.	The project proponent shall plan for re-charging of rain water equivalent to the amount of the water abstracted from the ground.	Our water requirement is fulfilled by <b>surface water</b> from Damodar Valley Corporation (DVC) after obtaining the permission of the concerned authority for the current operational plant. We have also started rain water capturing system along with shade catchment areas.
ii.	100% hot charging has to be done and no reheating furnace will be used.	There is no provision of reheating furnace for the current operational plant as 100% hot metal will pass through CCM to hot rolling mill.

**B. General Conditions:**

<b>I. Statutory Compliance</b>		
Sr. No.	Conditions	Compliance Status
i.	The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the state pollution Control Board/ Committee.	Already being complied with.  Consent to establish dated 10-01-2020 for the installation and consent to operate permissions have been obtained for operation of 1,83,000 TPA SMS (4x15T IF & CCM), 1,98,000 TPA Rolling Mill (1x600 TPD) & 33,000 TPA Cold Drawing Workshop (1x100 TPD). Recently, another consent to Operate permission is obtained for 1,92,000 TPA (3x20T IF & CCM), 99,000 TPA Rolling Mill (1x300 TPD) dated 28.09.2021 from WBPCB.



ii.	The project Proponent Shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water from the competent authority concerned in case of drawl of surface water required for the project.	Ground water is not used for the project & production purposes. Hence permission from CGWA/ concerned authority is not necessary.
iii.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	<p>Already being complied with.</p> <p>Hazardous Waste Authorization certificate is obtained from concerned department of WBPCB. Authorization memo no: 10/2S(HW)-4406/2020 dated 28.01.2021, which is valid up to 30-10-2025.</p>

## II. Air quality monitoring and preservation

i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30 <sup>th</sup> May 2008 as amended from time to time; S.O. 3305(E) dated 7 <sup>th</sup> December 2015 (Thermal Power Plants) as amended from time to time) and connect the system 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 Systems (OCEMS) are installed with the process stack connected with currently operational 4x15T IF &amp; 3x20T IF 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 attached as <b>Annexure- I</b>.</p> <p>Stack Emission is monitored at 4x15T IF &amp; 3x20T IF 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.</p> <p>Stack Emission Report is attached as <b>Annexure- II</b>.</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>Agreed &amp; complied.</p> <p>Fugitive Emissions are monitored Near Raw Material Shed, Near SMS Area, Near Rolling Mill Area, Gate No-1 &amp; Gate No-2 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.</p> <p>Fugitive Emission Report is attached as <b>Annexure- III</b>.</p>




iii.	<p>The project proponent shall install carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission, and SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.</p>	<p>Noted and complied.</p> <p>Ambient Air Quality Monitoring (AAQM) is being done on regular basis with our ambient station as directed and by WBPCB/ MoEF&amp;CC/ NABL accredited laboratories.</p> <p>We installed four Ambient Air Quality (AAQ) Monitoring Stations. AAQ are monitored at four locations viz. Near Plant Main Gate inside premises and Near Salanpur Village, Near Nakrajoria Village &amp; Near Dendua Village outside the plant premises by third party monitoring agency which is NABL accredited laboratory. Ambient emissions were monitored as per the AAQ monitoring reports submitted in the month of March, 2023.</p> <p>AAQM Reports are attached as <b>Annexure- IV</b>.</p>
iv.	<p>The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring of air quality/ fugitive emissions to Regional Office of MoEF&amp;CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.</p>	<p>Already complied.</p> <p>The 24x7 OCEMS data, manual Stack Monitoring report, Ambient Air Quality &amp; Fugitive Emission reports are attached with this report for your ready reference.</p>
v.	<p>Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.</p>	<p>Agreed &amp; already complied.</p> <p>Existing SMS (4x15T IF &amp; 3x20T IF) are equipped with bag filters, suction hoods and ID Fans. All bag houses are design to meet the standard below prescribed limit. An adequate dust suppression is provided in material storage sheds, unloading &amp; transfer points for controlling fugitive emission. The dust from APC devices are collected and reused in the process.</p> <p>Movable water sprinkling tanker &amp; fixed water sprinklers have been used inside the plant premises to mitigate the fugitive emission. Dedicated manpower is continuously engaged to control the fugitive emission inside the plant premises.</p>



vi.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better functioning of bag houses.	<p>Already being complied with.</p> <p>From visual observation of stack emissions, differential pressure is checked in bag house. If, damage of bags is detected, damage bags are replaced taking Shut Down of IF unit. In running condition, bags are cleaned by pulse air jet using cleaning timer cycle.</p>
vii.	Provide Pollution Control system in the sponge iron plant as per CREP Guidelines of CPCB.	<p>Not Applicable.</p> <p>The unit does not have any sponge iron division. But we have attached the CREP according to our existing manufacturing units as <b>Annexure- V</b>.</p>
viii.	Sufficient number of mobile or stationary vacuum cleaners shall be provided to clean plant roads shop floors, roofs, regularly.	<p>Already Being complied with.</p> <p>Road Sweeper Machine and Indoor Vacuum Cleaners are available at our factory.</p>
ix.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution devices and vacuum cleaning devices in the process after briquetting/ agglomeration.	<p>Not Applicable.</p> <p>Iron ore, coal or coke are not used in the process for the current operational plant.</p>
x.	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation;	<p>Already Being complied with.</p> <p>Raw materials are coming to plant through fully covered trucks by tarpaulins for the current operational plant.</p>
xi.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	<p>Unit uses Sponge Iron, Pig Iron and Iron Scrap as raw materials. So wind shelter fence and chemical spraying are not applicable. We are using covered shed instead of using wind shelter.</p>



<b>III. Water quality monitoring and preservation</b>	
i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30 <sup>th</sup> May 2008; S.O. 3305 (E) dated 7 <sup>th</sup> December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)	<p>As the plant is based on "ZLD" concept, so no waste water is discharged outside the plant premises. We do not have any Sponge Iron Plant/ Thermal Power Plant.</p> <p>For the current operational plant, the water is only used for cooling which is reused in process. The domestic waste water is reused for developing green belt and dust suppression system after treating in the Sewage Treatment Plant. We recycle the process water of Rolling Mill separating oil &amp; grease. We have also installed Effluent Treatment Plan with PTZ Camera.</p>
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.	<p style="text-align: center;">Agreed.</p> <p>We monitored the ground water in September'22 (Post Monsoon) and March'23 (Pre monsoon) for four locations- one in the plant &amp; three outside village areas; by NABL accredited laboratory. Analysis Report of March'23 is enclosed as <b>Annexure- VII</b>.</p>
iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional office of MoEF&CC, Zonal Office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	<p style="text-align: center;">Already being complied.</p> <p>Drinking Water &amp; Effluent Water is being monitored on regular basis by WBPCB/ MoEF&amp;CC/ NABL accredited laboratories. NABL accredited laboratory has done the drinking water quality analysis at the tap near Central Store and effluent water analysis report of STP inlet and STP outlet in the month of March, 2023.</p> <p>Effluent Water Analysis Reports of STP inlet &amp; STP outlet are attached as <b>Annexure- VIII</b> and the Drinking Water Analysis Reports are attached in Analysis Report as <b>Annexure- IX</b>.</p>
iv. Adhere to 'Zero Liquid Discharge'. <div style="text-align: center; margin-top: 20px;">  </div>	<p style="text-align: center;">Already being complied with &amp; will be continued too.</p> <p>As the plant is based on "ZLD" concept, no waste water is discharged outside the plant premises.</p> <p>The water is only used for cooling which is reused in process. The waste water is reused after treated in the Sewage Treatment Plant (STP) &amp; Effluent Treatment Plant (ETP) for developing green belt and dust suppression system.</p>

v.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Already Being complied with.  We installed 100 KLD STP for treating the domestic waste water and it is working properly according to submitted analysis report.
vi.	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 and complied.  Garland drains have been constructed to arrest the surface run off water during the event of rain and it is collected in the storm water pond to utilize for dust suppression by the movable water tank.
vii.	The project proponent shall practice rainwater harvesting to maximum possible extent.	Rain water harvesting system is being implemented. The rain water is being collected in the roof top catchment area and stored in reservoir.
viii.	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation and treatment of used water, practicing cascade use and by recycling treated water.	Already being complied with.  The water is only used for cooling which is reused in process. The waste water is reused for developing green belt and dust suppression system after treating in the STP & ETP. Also recycling the waste water of rolling mill through oil & grease separator to reuse.

#### IV. Noise monitoring and prevention

i.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the ministry as a part of six-monthly compliance report.	Noted & already being complied with.  Noise Monitoring is being done on regular basis by WBPCB/ MoEF&CC/ NABL accredited laboratories. Eco Care, West Bengal which is NABL/ MoEFCC accredited laboratory has done the analysis at four locations viz. Near Admin Building, Dendua Village, Salanpur Village & Nakrajoria Village in the month of March, 2023.  The Ambient & Work Zone Noise quality monitoring reports are attached in Analysis Report as <b>Annexure- X</b> .
----	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------





ii.	The ambient noise levels should confirm to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time to 70 dB(A) during night time.	Ambient Noise in day and night time are within norms as per submitted analysis report.
<b>V. Energy conservation measures</b>		
i.	The project proponent shall provide waste heat recovery system on the DRI kilns.	Not applicable. As there is no DRI Kiln in the project.
ii.	The dolochar generated shall be used for power generation.	Not applicable because there is no DRI kiln.
iii.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	Being complied with. Solar light systems are installed at the inside & outside plant premises. Roof top solar panel also installed.
iv.	Provide LED lights in their offices and residential areas.	Already implemented.
<b>VI. Waste management</b>		
i.	Used refractories shall be recycled as far as possible.	Used refractories are being sold out to refractory units for recycle.
ii.	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and memorandum and understanding in this regard shall be submitted to the Ministry's Regional Office.	Not applicable. No fly ash generated.
iii.	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016.	Already Being complied with & Will be complied too. Used oil is sold to WBPCB authorized recycler (Here, i.e., BA-MA Oil Industries) and cotton waste/ jute containing oil is sent CHWTSDF (Here, i.e., West Bengal Waste Management Limited). It has been also mentioned in the submitted Hazardous Waste annual return (Form-4 for the 2021-22 financial year) to the West Bengal Pollution Control Board (WBPCB) through online portal vide Return No. 2313765 for the period 2021-22. The same will be submitted to WBPCB for the financial year 2022-23.
iv.	Kitchen waste shall be composted or converted to biogas for further use.	Kitchen waste is composted and is used as manure/ bio-fertilizer in gardening.



**VII. Green Belt**

i.	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	33% of total area i.e. 10.27 ha has been earmarked for green belt development.  In the financial year (2020-21), there was 2756 no. trees inside the plant premises and in the financial year (2021-22), 3597 no. of trees are planted to complete the green belt mentioned in EC. Total existing trees are around 7189 till date.  To speed up the green belt development work additional dedicated manpower has been deployed.
ii.	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.	We have prepared the GHG Emissions Inventory with programme for reduction of the same including carbon sequestration including plantation. The project is not generating GHG as it does not use any fossil fuel.

**VIII. Public hearing and Human health issues**

i.	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management plan shall be implemented.	A disaster management cell headed by site incident controller has been formed to face emergency and disaster. Time to time training is also given to the Labourers/ employees.
ii.	The project proponent shall carry out 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.	The workmen have been provided PPE like asbestos apron, gloves, safety shoes and color glasses. Work zone are being rotated periodically and the shifts for workers working at high temperature zone is changed frequently. We periodically done Heat Stress Analysis Report, attached as <b>Annexure- XI</b> .
iii.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.	Existing plant infrastructure and facilities has been provided to Construction Labourers.
iv.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Already being complied with.  Occupational health surveillance of the workers is being periodically accessed and records are being maintained as per the Factories Act 1948.  OHS record is enclosed as <b>Annexure- XII</b> .



**IX. Corporate Environment Responsibility**

i.	The project proponent shall comply with the provisions contained in this Ministry's Om vide F. No. 22-65/2017-IA.III dated 1 <sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility.	The cost incurred in CER is being carried out for social development and welfare measures in the surrounding villages.  The CER detail is attached as <b>Annexure- XIII</b> .
ii.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/ or shareholder's/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&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 equipments have been printed and distributed to supervisors for ready reference. Important parameters have been displayed in working area. Board Resolution regarding environmental policy was already submitted with six-monthly report with displayed at the entrance of main gate.
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 report 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. New employee(s) of Environment Cell for our project is under process.
iv.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and should not be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/ Regional Office along with the Six Monthly Compliance Report.	Agreed and already being complied with.  Adequate funds have been deployed in CAPEX and OPEX. An itemized action plan has been drawn for implementing the stipulated conditions.  The detail about the Recurring Cost on Environmental Safeguard for current operational plant is enclosed as <b>Annexure- XIV</b> .
v.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Already being complied with & Will be complied too.  The company has ISO 9001, ISO 14001 & ISO 45001 certificate after successful completion of the project.



vi.	All the recommendations made in the charter on Corporate Responsibility for Environment Protection (CREP) for the Sponge Iron plants shall be implemented.	There is no sponge iron unit in the EC awarded configuration. So, implementation of CREP for the sponge iron plant is not required. We have already submitted the CREP for our existing production units as <b>Annexure- V</b> .
-----	------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**X. Miscellaneous**

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.	Already being complied with.  Accorded Environmental Clearance was published in two local Newspapers and also in company's website. Advertisement copy is attached as <b>Annexure- XV</b> .
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.	Already being complied with.  EC copy was submitted to the Heads of Local bodies, Panchayats and/or Municipal bodies in addition to the relevant offices of the Government.
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.	We have already uploaded the conditions with compliance to the website.  Agreed to update on half-yearly basis.
iv.	The project proponent shall monitor the criteria pollutants levels level namely; PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) 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.	Noted & already being complied with.  The management of MSPL (M/s. Maithan Steel & Power Limited) is monitoring criteria pollutants level namely; PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions of PM) by NABL accredited third party monitoring agency. Emission levels of pollutants of different units is displayed on environment information board as per CPCB format outside the main gate of the plant for disclosure to the public and also uploaded with compliance report on the website of the company.



v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.	Noted & already being complied with.  Six-monthly report on the status of compliance of the stipulated environmental conditions are being submitted to MoEF&CC and displayed on the website.
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.	Agreed and already being complied with.  For the financial year 2021-22, Environmental Statement in prescribed format was submitted to the West Bengal Pollution Control Board vide letter no. MSPL-II/ENV_Statement/2022-23 dated 29.08.22 and the same will be submitted for the financial year (2022-23) before Sep'23. Current report is available on the website of our company.
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.  Financial closure date is 20-10-2022; final approval of the project by the concerned authorities is 10-01-2020 & commencing the land development work from 04-05-2020.
viii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted.
ix.	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.	Agreed.
x.	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.
xi.	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.



xii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
xiii.	The ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed.
xiv.	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.
xv.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	Noted.
xvi.	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.

\*\*\*\*\*



Village Nakrajoria, P.O. & P.S. Salanpur, Dist. Paschim Bardhman, PIN 713357, Salanpur, West Bengal-713357 Salanpur West Bengal 713357

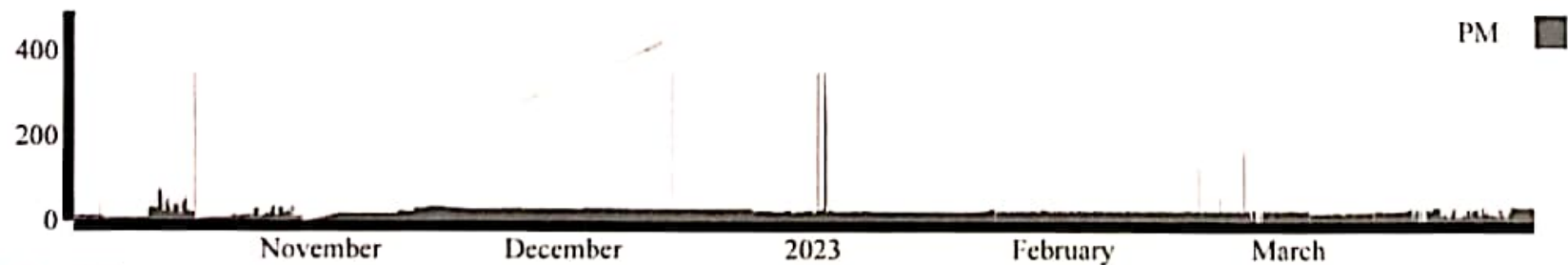
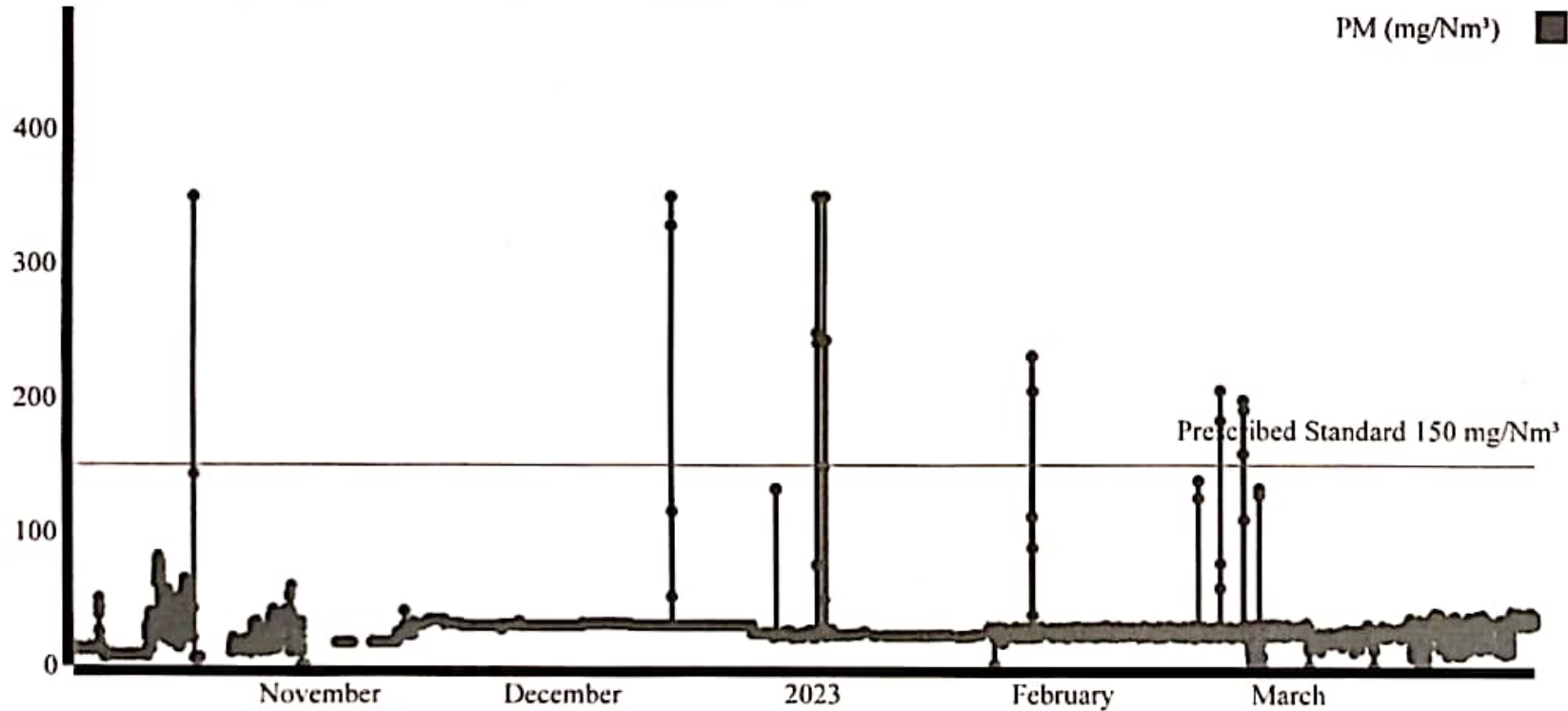
Start Date - 2022-10-01

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

Maithan Steel & Power Ltd (Unit II) Stack\_2\_InductionFurnance\_03x20TPH

Village Nakrajoria, P.O. & P.S. Salanpur, Dist. Paschim Bardhman, PIN 713357, Salanpur, West Bengal-713357 Salanpur West Bengal 713357

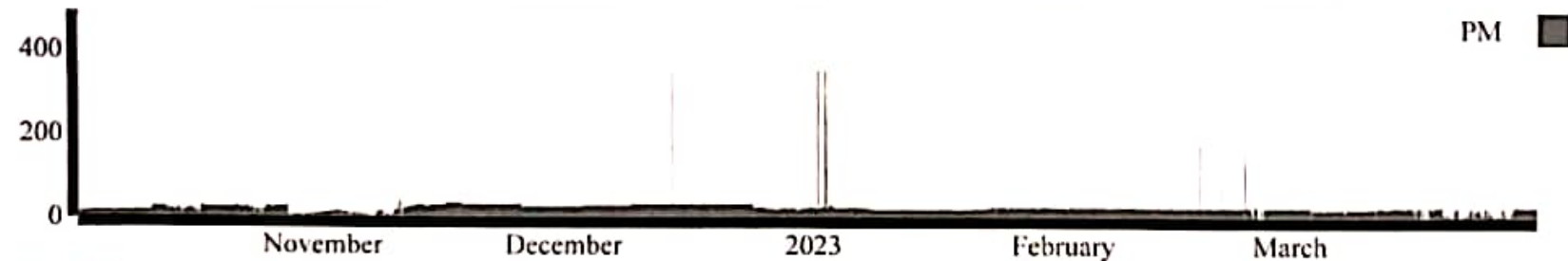
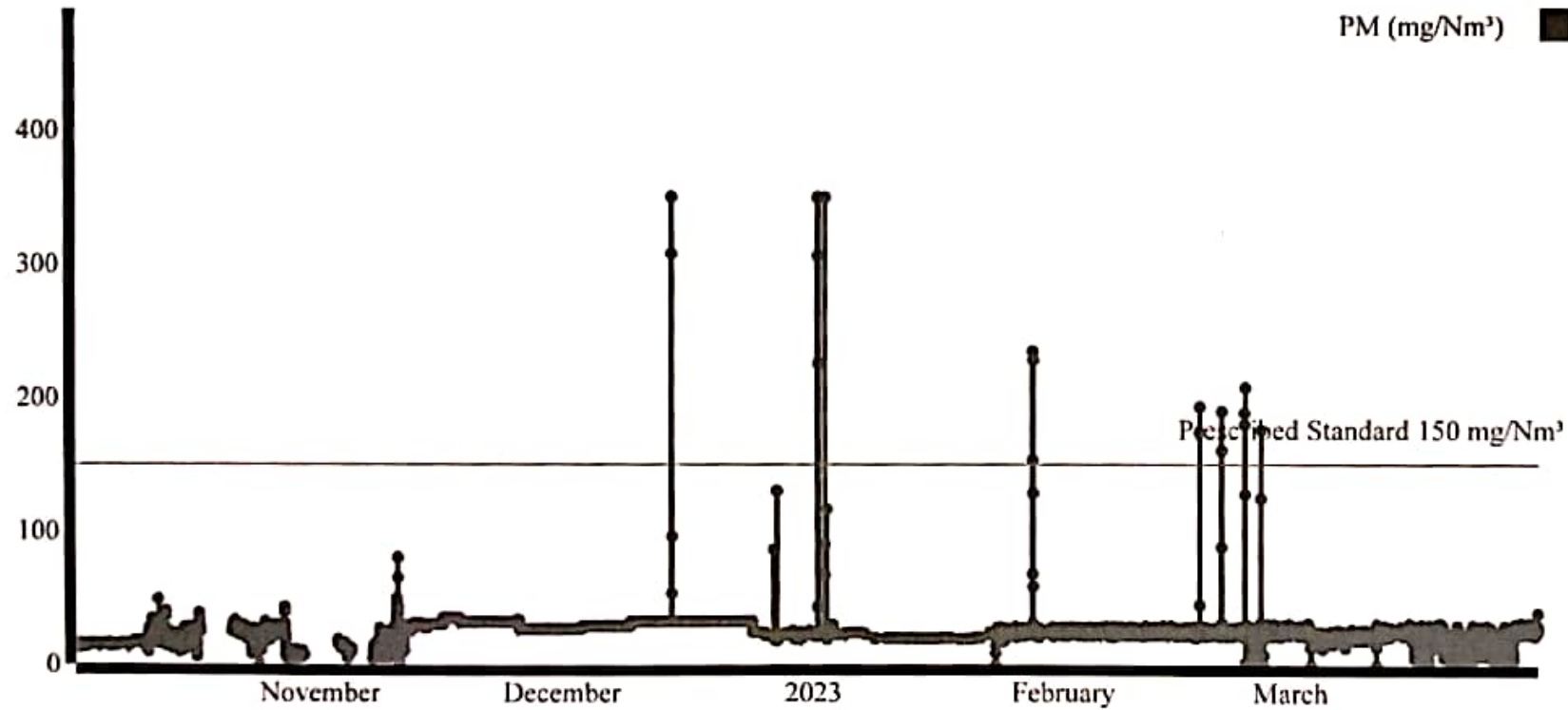
Start Date - 2022-10-01

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 - II

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 &amp; Management

ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

ULR NO - TC510923000000529F

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

**TEST REPORT**

Report Release Date	: 04.04.2023	Sample Ref. No.(ARF)	: EC/ARF/29/230323
Test Report No	: EC/TR/42/03055	Source of Sample	: Steel Plant
Type of Sample	: Dust & Gaseous Emission	Sampling Date	: 28.03.2023
Sample Collected by	: Mr. Binod Singh & Team	Period of Analysis	: 30.03.2023
Sample Details	: Stack Emission	Sampling Location	: Bag Filter Stack
Name & Address	: <b>Maithan Steel &amp; Power Limited</b> (Unit - II) Village & Mouza - Nakrajoria P.O & P.S - Salanpur Dist - Paschim Bardhaman West Bengal - 713357	Sample Condition	: Sealed
		Sample Stamped as	: TH - 237
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Remarks	: ----
		Deviation if any	: None

**GENERAL INFORMATION**

1	Particular of the Plant	: SMS - I
2	Emission Due to	: Process Activity
3	Stack Connected to	: Bag Filter at Induction Furnace No. 1, 2, 3 & 4
4	Material of Construction	: M.S
5	Stack Height from G.L.	: 30.0 m
6	Height of Sampling Port from G.L.	: 20.0 m
7	Height of Sampling Port from L.D.Z.	: ----
8	Dimension of Stack at Sampling Port	: 1.20 m
9	Shape of the Stack	: Circular $\phi$
10	Working Load	: 15 MT/Batch/Furnace

**FUEL CHARACTERISTIC REPORT**

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

**RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS**

		Method	
1	Flue Gas Temperature	45 °C	IS 11255 : Part 3
2	Barometric Pressure	755 mm Hg	IS 11255 : Part 3
3	Velocity of Flue Gas	6.62 m/sec	IS 11255 : Part 3
4	Flue Gas Quantity	25125 Nm <sup>3</sup> /hr	IS 11255 : Part 3
5	Concentration of Particulate Matter	31.55 mg/Nm <sup>3</sup>	IS 11255 : Part 1
6	Concentration of Carbon Dioxide	2.2 %	IS 13270
7	Concentration of SO <sub>2</sub>	----	IS 11255 : Part 2
8	Concentration of NO <sub>x</sub>	----	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 – TC510923000000528F

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

### TEST REPORT

Report Release Date : 04.04.2023	Sample Ref. No.(ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/03054	Source of Sample : Steel Plant
Type of Sample : Dust & Gaseous Emission	Sampling Date : 28.03.2023
Sample Collected by : Mr. Binod Singh & Team	Period of Analysis : 30.03.2023
Sample Details : Stack Emission	Sampling Location : Bag Filter Stack
Name & Address : <b>Maithan Steel &amp; Power Limited</b>	Sample Condition : Sealed
(Unit – II)	Sample Stamped as : TH – 236
Village & Mouza – Nakrajoria	Sample Drawn By : ECO CARE
P.O & P.S – Salanpur	Sampling Plan &
Dist – Paschim Barddhaman	Procedure : EC/SOP/03/01
West Bengal	Remarks : ----
Pin No – 713357	Deviation if any : None

### GENERAL INFORMATION

1 Particular of the Plant	: SMS – II
2 Emission Due to	: Process Activity
3 Stack Connected to	: Bag Filter at Induction Furnace No. 1, 2 & 3
4 Material of Construction	: M.S
5 Stack Height from G.L.	: 30.0 m
6 Height of Sampling Port from G.L.	: 20.0 m
7 Height of Sampling Port from L.D.Z.	: ----
8 Dimension of Stack at Sampling Port	: 2.70 m
9 Shape of the Stack	: Circular Ø
10 Working Load	: 20 MT/Batch/Furnace

### FUEL CHARACTERISTIC REPORT

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

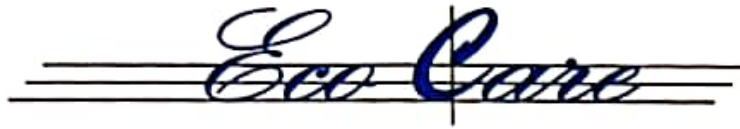
### RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

		Method
1 Flue Gas Temperature	53 °C	IS 11255 : Part 3
2 Barometric Pressure	755 mm Hg	IS 11255 : Part 3
3 Velocity of Flue Gas	5.47 m/sec	IS 11255 : Part 3
4 Flue Gas Quantity	102466 Nm <sup>3</sup> /hr	IS 11255 : Part 3
5 Concentration of Particulate Matter	35.72 mg/Nm <sup>3</sup>	IS 11255 : Part 1
6 Concentration of Carbon Dioxide	2.8 %	IS 13270
7 Concentration of SO <sub>2</sub>	----	IS 11255 : Part 2
8 Concentration of NO <sub>x</sub>	----	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 &amp; Management

ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

ULR NO - TC510923000000532F

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

**TEST REPORT**

Report Release Date : 04.04.2023	Sample Ref. No.(ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/03058	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 28.03.2023
Sample Collected by : Mr. Binod Singh & Team	Period of Analysis : 30.03.23 to 31.03.23
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : <b>Maithan Steel &amp; Power Limited</b> (Unit - II) Village & Mouza - Nakraoria P.O & P.S - Salanpur Dist - Paschim Bardhaman West Bengal, Pin No - 713357	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Sample Drawn By : ECO CARE
	Deviation if any : None

**METEOROLOGICAL INFORMATION**

1	Average Temperature	32.6 °C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	49.0 %	4	Weather Condition	Clear Day

**1. Sampling Location : Near Raw Material Yard**

Sl. No.	Parameters	Test Method	Industrial Area Standard Limit	Results
(i)	Concentration of Suspended Particulate Matter	IS : 5182 (Part - 4)	500 µg/m <sup>3</sup>	426.64 µg/m <sup>3</sup>

**2. Sampling Location : Near SMS Area**

Sl. No.	Parameters	Test Method	Industrial Area Standard Limit	Results
(i)	Concentration of Suspended Particulate Matter	IS : 5182 (Part - 4)	500 µg/m <sup>3</sup>	364.60 µg/m <sup>3</sup>

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

\_\_\_\_\_  
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 – TC51092300000533F

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

### TEST REPORT

Report Release Date : 04.04.2023	Sample Ref. No.(ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/03059	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 28.03.2023
Sample Collected by : Mr. Binod Singh & Team	Period of Analysis : 30.03.23 to 31.03.23
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : <b>Maithan Steel &amp; Power Limited</b> <b>(Unit – II)</b> Village & Mouza – Nakrajoria P.O & P.S – Salanpur Dist – Paschim Bardhaman West Bengal, Pin No – 713357	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Sample Drawn By : ECO CARE
	Deviation if any : None

### METEOROLOGICAL INFORMATION

1	Average Temperature	32.6 °C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	49.0 %	4	Weather Condition	Clear Day

### 3. Sampling Location : Rolling Mill Shed

Sl. No.	Parameters	Test Method	Industrial Area Standard Limit	Results
(i)	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	500 µg/m <sup>3</sup>	368.73µg/m <sup>3</sup>

### 4. Sampling Location : Near Gate No. 2

Sl. No.	Parameters	Test Method	Industrial Area Standard Limit	Results
(i)	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	500 µg/m <sup>3</sup>	385.71 µg/m <sup>3</sup>

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

Authorised Signatory

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



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 &amp; Management

ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

ULR NO - TC510923000000530F

Format No. : EC/TRT/42/FM/04

**TEST REPORT**

Report Release Date : 04.04.2023	Sample Ref. No.(ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/03056	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 28.03.23 to 29.03.23
Sample Collected by : Mr. Binod Singh & Team	Period of Analysis : 30.03.23 to 31.03.23
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited (Unit - II) Village & Mouza - Nakraoria P.O & P.S - Salanpur Dist - Paschim Bardhaman West Bengal, Pin No - 713357	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Sample Drawn By : ECO CARE
	Deviation if any : None

**METEOROLOGICAL INFORMATION**

1	Average Temperature	32.6 °C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	49.0 %	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 (pt 50), Appendix I
PARAMETERS	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )
Method Detection Limit	5	8	20	10
Industrial Area Standard Limit	80	80	100	60

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

Shift	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )
Shift - A (09:00 AM To 05:00 PM)	33.47	33.48	81.25	34.16
Shift - B (05:10 PM To 01:10 AM)	17.34	27.64	65.04	
Shift - C (01:20 AM To 09:20 AM)	29.44	34.42	74.17	
Average ( Shift - A To Shift - C )	26.75	31.85	73.49	

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 &amp; Management

ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

ULR NO - TC51092300000531F

Format No. : EC/TRT/42/FM/04

**TEST REPORT**

Report Release Date : 04.04.2023	Sample Ref. No.(ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/03057	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 28.03.23 to 29.03.23
Sample Collected by : Mr. Binod Singh & Team	Period of Analysis : 30.03.23 to 31.03.23
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : <b>Maithan Steel &amp; Power Limited</b>	Remarks : ----
(Unit - II)	Sampling Plan & Procedure : EC/SOP/03/01
Village & Mouza - Nakrajoria	Sample Drawn By : ECO CARE
P.O & P.S - Salanpur	Deviation if any : None
Dist - Paschim Bardhaman	
West Bengal, Pin No - 713357	

**METEOROLOGICAL INFORMATION**

1	Average Temperature	32.6 °C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	49.0 %	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 (pt 50), Appendix I
PARAMETERS	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )
Method Detection Limit	5	8	20	10
Industrial Area Standard Limit	80	80	100	60
<b>2. Sampling Location : Salanpur Village (Out Side of the Plant)</b>				
Shift - A (08:00 AM To 04:00 PM )	21.37	26.29	76.20	31.66
Shift - B (04:10 PM To 12:10 AM )	09.27	17.48	64.35	
Shift - C (12:20 AM To 08:20 AM)	17.34	23.58	71.43	
Average ( Shift - A To Shift - C )	15.99	22.45	70.66	
<b>3. Sampling Location : Nakrajoria Village (Out Side of the Plant)</b>				
Shift - A (08:30 AM To 04:30 PM )	25.40	29.68	73.56	28.30
Shift - B (04:40 PM To 12:40 AM )	13.31	19.51	57.63	
Shift - C (12:50 AM To 08:50 AM)	21.37	25.61	68.11	
Average ( Shift - A To Shift - C )	20.03	24.93	66.43	
<b>4. Sampling Location : Dendua Village (Out Side of the Plant)</b>				
Shift - A (09:00 AM To 05:00 PM )	29.44	34.42	65.87	23.07
Shift - B (05:10 PM To 01:10 AM )	17.34	24.26	52.94	
Shift - C (01:20 AM To 09:20 AM)	25.40	31.03	59.08	
Average ( Shift - A To Shift - C )	24.06	29.90	59.30	

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 &amp; Management

ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

ULR NO – TC51092300000547F

Format No. : EC/TRT/42/FM/04

**TEST REPORT**

Report Release Date : 04.04.2023	Sample Ref. No.(ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/03073	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 28.03.23 to 29.03.23
Sample Collected by : Mr. Binod Singh & Team	Period of Analysis : 28.03.23 to 29.03.23
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : <b>Maithan Steel &amp; Power Limited</b>	Remarks : ----
(Unit – II)	Sampling Plan & Procedure : EC/SOP/03/01
Village & Mouza – Nakrajoria	Sample Drawn By : ECO CARE
P.O & P.S – Salanpur	Deviation if any : None
Dist – Paschim Bardhaman	
West Bengal, Pin No – 713357	

**METEOROLOGICAL INFORMATION**

1	Average Temperature	32.6°C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	49.0 %	4	Weather Condition	Clear Day

**CARBON MONOXIDE ANALYSIS REPORT****1. Sampling Location : Salanpur Village (Out Side of the Plant)**

PARAMETERS	TEST METHOD	UNIT	RESIDENTIAL,RURAL & OTHER AREAS STANDARD LIMIT	RESULT
Carbon Monoxide ( CO )	NDIR SPEYCTROSCOP	mg/m <sup>3</sup>	4	0.126

**2. Sampling Location : Nakrajoria Village (Out Side of the Plant)**

PARAMETERS	TEST METHOD	UNIT	RESIDENTIAL,RURAL & OTHER AREAS STANDARD LIMIT	RESULT
Carbon Monoxide ( CO )	NDIR SPEYCTROSCOP	mg/m <sup>3</sup>	4	0.132

**3. Sampling Location : Dendua Village (Out Side of the Plant)**

PARAMETERS	TEST METHOD	UNIT	RESIDENTIAL,RURAL & OTHER AREAS STANDARD LIMIT	RESULT
Carbon Monoxide ( CO )	NDIR SPEYCTROSCOP	mg/m <sup>3</sup>	4	0.129

**4. Sampling Location : Near Main Gate (Inside of the Plant)**

PARAMETERS	TEST METHOD	UNIT	INDUSTRIAL AREA STANDARD LIMIT	RESULT
Carbon Monoxide ( CO )	NDIR SPEYCTROSCOP	mg/m <sup>3</sup>	10.0	0.185

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

## CORPORATE RESPONSIBILITY FOR ENVIRONMENTAL PROTECTION (CREP)

Sr. No.	Action points for Integrated Iron & Steel Industry	Action Plan
1.	<b>Steel Melting Shop</b> Fugitive emissions- To reduce 30% by March, 2004 and 100% by March, 2008 (including installation of secondary Dedusting facilities).	To mitigate the fugitive emission movable water tanker & fixed water sprinklers have been used inside the plant premises and dedicated manpower is continuously engaged to control the fugitive emission inside the plant premises.  Fugitive Emissions are monitored Near Raw Material Shed and near SMS area 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.
2.	<b>Solid Waste/ Hazardous Waste Management</b>  Utilization of Steel Melting shop (SMS)/ Blast Furnace (BF) Slag as per the following schedule: <ul style="list-style-type: none"> <li>◆ By 2004- 70%</li> <li>◆ By 2006- 80% and</li> <li>◆ By 2007- 100%</li> </ul>	<ul style="list-style-type: none"> <li>◆ SMS Slag, scales and dust collected in bag filter forms the solid waste. SMS Slag is given for metal recovery and then it can be replaced 30% concrete aggregate &amp; landfill after iron recovery. For the proposed expansion of Steel Melting Shop, same practice will be adopted in future.</li> <li>◆ Mill scales/ end cuts, rolling Mill scrap &amp; missed roll will be generated from the rolling mill. Mill scales will be reused in SMS plant.</li> </ul>
	<b>Hazardous Wastes</b>  Inventorization of the Hazardous waste as per Hazardous Waste (M&H) Rules, 1989 as amended in 2000 and implementation of the Rules by Dec. 2003. (tar sludge, acid sludge, waste Lubricating oil and type fuel falls in the category of Hazardous waste).	Hazardous Waste Authorization certificate is obtained from concerned department of WBPCB. Authorization memo no: 10/2S (HW)- 4406/ 2020 dated 28.01.2021, which is valid up to 30.10.2025.  Used oil is sold to WBPCB authorized recycler (Here, i.e., BA.MA oil industries) and cotton waste/ Jute containing oil is sent CHWTSD (Here, i.e. West Bengal Waste Management Limited) and it has been also mentioned in the submitted Hazardous Waste annual return (Form IV for the 2021-22 financial year) to the West Bengal Pollution Control Board through online portal vide Return No. 939057 for the period 2020-21 and 2313765 for 2021-22 financial year. The same will be submitted to WBPCB.
3.	<b>Water Conservation/ Water Pollution</b>  To reduce specific water consumption to 5 m <sup>3</sup> /t for long products and 8 m <sup>3</sup> /t for flat products by December 2005.	<ul style="list-style-type: none"> <li>▪ The plant is completely based on 'Zero Liquid Discharge'.</li> <li>▪ <b>Steel Melting Shop:</b> Steel making through Induction Furnace and billet casting is dry process where no water is consumed in process. Only non-contact cooling water is required to maintain the desired temperature of furnace shell, casting shell and moulds. Make-up water is being/ will be added to cooling tower to compensate for evaporation loss. The lubricant is skimmed from the settling tank periodically and sold to authorized recyclers. The water is being/ will be allowed to return to ambient temperature and reused for cooling purpose. Only make-up water is added. For the proposed expansion of Steel Melting Shop, same practice will be adopted in future.</li> <li>▪ <b>Rolling Mill:</b> Direct circulating cooling water used in rolling mill is contaminated with scales and traces of oil. Mill scales from Rolling Mill will be carried away with the flowing water to the settling tank. It will be collected by EOT crane periodically and taken to SMS plant for reuse. End cuts from Rolling</li> </ul>



		<p>Mill are reused in IF. The lubricant is skimmed from the settling tank periodically and sold to authorized recyclers. The water is allowed to return to ambient temperature and reused for cooling purpose. Only make-up water is added. For the proposed expansion of Rolling Mill, same practice will be adopted in future.</p> <ul style="list-style-type: none"> <li>▪ <b>Cold Drawing Workshop:</b> Water is not required in the process or for cooling purpose in Cold Drawing Workshop.</li> <li>▪ <b>Slag Crushing Unit:</b> Treated water from STP will be used for dust suppression to control the fugitive emission.</li> <li>▪ <b>Protective Coating Workshop:</b> In the Protective Coating Workshop, for Fusion Bonded Epoxy Coating, the water used for cooling of coated bars will be reused in the process and in the Anodic Zinc Coating Method, water will be used for cleaning and rinsing which will be reused in the process.</li> <li>▪ The CT blow down along with all other primary treated wastewater streams with high TDS levels are being/ will be used for road dust suppression.</li> <li>▪ Domestic waste water is being reused for developing greenbelt and dust suppression system after treatment in the Sewage Treatment Plant (Capacity 100 KLD).</li> <li>▪ Continuous attempt is being made to optimize/ reduce the use of water through monitoring, reuse, recycle practices.</li> <li>▪ Record of water consumption on daily basis will be maintained as per present practice.</li> </ul>
4.	Installation of Continuous stacks monitoring system & its calibration in major stacks and setting up of the online ambient air quality monitoring stations by June, 2005.	The Online Continuous Emission Monitoring System (OCEMS) is installed with the process stack connected with currently operational 4x15T IF & 3x20T IF as per CPCB guidelines and the 24x7 online data is transferred to CPCB server through online portal.
5.	To operate the existing pollution control equipment efficiently and to keep proper record of run hours, failure time and efficiency with immediate effect. Compliance report in this regard is submitted to CPCB/ SPCB every three months.	<ul style="list-style-type: none"> <li>▪ The Online Continuous Emission Monitoring System (OCEMS) is installed with the process stack connected with currently operational 4x15T IF &amp; 3x20T IF 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 submitted to West Bengal Pollution Control Board, Central Pollution Control Board &amp; Regional Office of MoEF&amp;CC, New Delhi.</li> </ul>
6	To implement the recommendations of Life Cycle Assessment (LCA) study sponsored by MoEFCC by December, 2003.	Life Cycle Assessment (LCA) study is implemented for the existing plant and the same will be done for the proposed plant.
7.	The industry will initiate the steps to adopt the following clean technologies measures to improve the performance of industry towards production, energy and environment.	

**MAITHAN STEEL & POWER LIMITED**

De- dusting of Cast house at tap holes, runners, skimmers ladle and charging points.	Existing SMS are equipped with bag filters, hood and ID Fans. All bag houses are design to meet the standard below prescribed limit and an adequate dust suppression is provided in material storage sheds, material unloading and transfer points for controlling fugitive emission and the dust from APC devices are collected and reused in the process.
To study the possibility of slag and fly ash transportation back to the abandoned mines, to the abandoned mines, to fill up the cavities through empty railway wagons while they return back to the mines and its implementation.	SMS Slag is given for metal recovery and then it can be replaced 30% concrete aggregate & landfill after iron recovery. For the proposed expansion of Steel Melting Shop, same practice will be adopted in future.  Fly ash is not generated from this plant.
Processing of the waste containing flux & ferrous wastes through waste recycling plant.	Not Applicable Here
To implement rainwater harvesting	Rain water harvesting system is being implemented. The rain water is being collected in the roof top catchment area and stored in reservoir.
<b>Reduction Green House Gases by:</b>	
Reduction in power consumption	Agreed
Use of by-products gases for power generation	Not Applicable Here
Promotion of Energy Optimization technology Including energy/ audit	Noted
To set targets for Resource Conservation such as Raw material, energy and water consumption to match International Standards.	Already complied with the International standards.
Up-gradation in the monitoring and analysis facilities for air and water pollution. Also, to impart elaborate training to the manpower so that realistic data is obtained in the environmental monitoring laboratories.	Already complied
To Improve overall housekeeping	Noted





Specialised House on Environmental Monitoring, Analysis, Assessment &amp; Management

ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

ULR No – TC51092300000565F

Format No. : EC/TR/42/FM/05

## TEST REPORT

Report Release Date	: 04.04.2023	Sample Ref. No.(ARF)	: EC/ARF/29/230323
Test Report No	: EC/TR/42/03074	Source of Sample	: Steel Plant
Type of Sample	: Recycle Water	Sampling Date	: 28.03.2023
Sample Collected by	: Mr. Binod Singh	Period of Analysis	: 29.03.23 to 01.04.23
Sample Details	: Effluent Water	Sampling Location	: Rolling Mill Process Water
Name & Address	: <b>Maithan Steel &amp; Power Limited (Unit – II)</b> Village & Mouza – Nakrajoria P.O & P.S – Salanpur Dist. Paschim Bardhaman West Bengal – 713357	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: "MSPL – 041"
		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 <sup>rd</sup> Edition)	Standards (EPR 1986 & IS 2296:1982)	Results
1	pH at 25.6 °C		4500-H <sup>+</sup> B	5.5 – 9.0	6.79
2	TDS	mg/l	2540 C	2100.0	768.10
3	BOD (3 days) at 27.0 °C	mg/l	IS 3025 (Part - 44): 1993	30.0	20
4	COD	mg/l	5220 B	250.0	69.44
5	Oil & Grease	mg/l	5520 B	10.0	3.46

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

Authorised Signatory

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



Annexure - VII

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 &amp; Management

ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

ULR NO - TC510923000000534F

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

## TEST REPORT

Report Release Date	: 04.04.2023	Sample Ref. No (ARF)	: EC/ARF/29/230323
Test Report No	: EC/TR/42/03060	Source of Sample	: Steel Plant
Type of Sample	: Ground Water	Sampling Date	: 29.03.2023
Sample Collected by	: Mr. Binod Singh	Period of Analysis	: 30.03.2023
Sample Details	: Bore Well	Sampling Location	: Dandua Village
Name & Address	: <b>Maithan Steel &amp; Power Limited</b> (Unit - II) Village & Mouza - Nakrajoria P.O & P.S - Salanpur Dist - Paschim Bardhaman West Bengal, Pin No - 713357	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: MSPL - 06
		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 <sup>rd</sup> Edition)	Standards (IS:10500)	Results
1	pH at 25.4 °C		4500-H <sup>+</sup> B	6.5 - 8.5	7.19
2	TDS	mg/l	2540 C	500.0	311.50
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	2320 B	200.0	109.71
5	Chloride (as Cl <sup>-</sup> )	mg/l	4500 - Cl B	250.0	18.10
6	Calcium (as Ca <sup>2+</sup> )	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 <sub>3</sub> )	mg/l	2340 C	200.0	122.40
9	Iron (as Fe)	mg/l	3500 - Fe B	0.3	0.08
10	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	mg/l	4500 - SO <sub>4</sub> <sup>2-</sup> E	200.0	14.19
11	Magnesium (as Mg)	mg/l	3500 - Mg B	30.0	8.92
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 (asNO <sub>3</sub> )	mg/l	4500 - NO <sub>3</sub> B	45.0	1.61
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 – TC51092300000535F

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

### TEST REPORT

Report Release Date : 04.04.2023	Sample Ref. No (ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/03061	Source of Sample : Steel Plant
Type of Sample : Ground Water	Sampling Date : 29.03.2023
Sample Collected by : Mr. Binod Singh	Period of Analysis : 30.03.2023
Sample Details : Bore Well	Sampling Location : Salanpur Village
Name & Address : Maithan Steel & Power Limited	Sample Condition : Sealed & Preserved
(Unit – II)	Sample Stamped as : MSPL – 07
Village & Mouza – Nakrajoria	Sample Drawn By : ECO CARE
P.O & P.S – Salanpur	Remarks : ---
Dist – Paschim Bardhaman	Sampling Plan & Procedure : EC/SOP/03/01
West Bengal, Pin No – 713357	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (APHA 23 <sup>rd</sup> Edition)	Standards (IS:10500)	Results
1	pH at 25.6 °C		4500-H <sup>+</sup> B	6.5 – 8.5	7.04
2	TDS	mg/l	2540 C	500.0	272.50
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	2320 B	200.0	103.50
5	Chloride (as Cl <sup>-</sup> )	mg/l	4500 – Cl <sup>-</sup> B	250.0	23.48
6	Calcium (as Ca <sup>2+</sup> )	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 <sub>3</sub> )	mg/l	2340 C	200.0	114.24
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.17
10	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	mg/l	4500 – SO <sub>4</sub> <sup>2-</sup> E	200.0	26.59
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	0.18
15	Nitrate (asNO <sub>3</sub> )	mg/l	4500 – NO <sub>3</sub> <sup>-</sup> B	45.0	1.50
16	Chlorine Residual	mg/l	4500 – Cl <sup>-</sup> 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 – TC510923000000536F

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

### TEST REPORT

Report Release Date : 04.04.2023	Sample Ref. No (ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/03062	Source of Sample : Steel Plant
Type of Sample : Ground Water	Sampling Date : 29.03.2023
Sample Collected by : Mr. Binod Singh	Period of Analysis : 30.03.2023
Sample Details : Bore Well	Sampling Location : Nakrajoria Village
Name & Address : Maithan Steel & Power Limited (Unit – II) Village & Mouza – Nakrajoria P.O & P.S – Salanpur Dist – Paschim Bardhaman West Bengal, Pin No – 713357	Sample Condition : Sealed & Preserved
	Sample Stamped as : MSPL – 08
	Sample Drawn By : ECO CARE
	Remarks : ---
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (APIHA 23 <sup>rd</sup> Edition)	Standards (IS:10500)	Results
1	pH at 25.6 °C		4500-H <sup>+</sup> B	6.5 – 8.5	7.34
2	TDS	mg/l	2540 C	500.0	278.50
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	2320 B	200.0	116.96
5	Chloride (as Cl <sup>-</sup> )	mg/l	4500 – Cl <sup>-</sup> B	250.0	21.04
6	Calcium (as Ca <sup>2+</sup> )	mg/l	3500 – Ca B	75.0	33.52
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO <sub>3</sub> )	mg/l	2340 C	200.0	118.32
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.13
10	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	mg/l	4500 – SO <sub>4</sub> <sup>2-</sup> E	200.0	16.24
11	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	8.43
12	Arsenic	mg/l	IS 3025 (Part-37)	0.01	< 0.01
13	Colour	Hazen	2320B	5.0	< 5.0
14	Fluoride (as F)	mg/l	4500F- B & D	1.0	0.23
15	Nitrate (asNO <sub>3</sub> )	mg/l	4500 – NO <sub>3</sub> <sup>-</sup> B	45.0	1.09
16	Chlorine Residual	mg/l	4500 – Cl <sup>-</sup> 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



Annexure - VIII

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 - TCS1092300000539F

Format No. : EC/TR/42/FM/05

### TEST REPORT

Report Release Date : 04.04.2023	Sample Ref. No (ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/03065	Source of Sample : Steel Plant
Type of Sample : Water	Sampling Date : 28.03.2023
Sample Collected by : Mr. Binod Singh	Period of Analysis : 30.03.23 to 03.04.23
Sample Details : Effluent Water	Sampling Location : STP Inlet
Name & Address : Maithan Steel & Power Limited (Unit - II) Mouza - Nakrajoria P.O & P.S - Salanpur Dist. Paschim Barddhaman West Bengal Pin No - 713357	Sample Condition : Sealed & Preserved Sample Stamped as : "SS - 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 <sup>rd</sup> Edition)	Standards (EPR 1986 & IS 2296:1982)	Results
1	pH at 25.6 °C		4500-H <sup>+</sup> B	5.5 - 9.0	7.93
2	TSS	mg/l	2540 D	100.0	112.60
3	BOD (3 days) at 27.0 °C	mg/l	IS 3025 (Part - 44): 1993	30.0	86
4	COD	mg/l	5220 B	250.0	297.60
5	Oil & Grease	mg/l	5520 B	10.0	6.21

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 – TC51092300000540F

Format No. : EC/TR/42/FM/05

### TEST REPORT

Report Release Date : 04.04.2023	Sample Ref. No (ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/03066	Source of Sample : Steel Plant
Type of Sample : Water	Sampling Date : 28.03.2023
Sample Collected by : Mr. Binod Singh	Period of Analysis : 30.03.23 to 03.04.23
Sample Details : Effluent Water	Sampling Location : STP Outlet
Name & Address : Maithan Steel & Power Limited (Unit – II) Mouza – Nakrajoria P.O & P.S – Salanpur Dist. Paschim Barddhaman West Bengal Pin No – 713357	Sample Condition : Sealed & Preserved Sample Stamped as : "SS – 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 <sup>rd</sup> Edition)	Standards (EPR 1986 & IS 2296:1982)	Results
1	pH at 25.4 °C		4500-H <sup>+</sup> B	5.5 – 9.0	7.10
2	TSS	mg/l	2540 D	100.0	24.70
3	BOD (3 days) at 27.0 °C	mg/l	IS 3025 (Part - 44): 1993	30.0	16
4	COD	mg/l	5220 B	250.0	59.52
5	Oil & Grease	mg/l	5520 B	10.0	2.51

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

Authorised Signatory

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





Annexure - IX

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 – TC510923000000537F

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

**TEST REPORT**

Report Release Date : 04.04.2023	Sample Ref. No (ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/03063	Source of Sample : Steel Plant
Type of Sample : Ground Water	Sampling Date : 29.03.2023
Sample Collected by : Mr. Binod Singh	Period of Analysis : 30.03.23 to 31.03.23
Sample Details : Bore Well	Sampling Location : Near Canteen
Name & Address : Maithan Steel & Power Limited (Unit – II) Village & Mouza – Nakrajoria P.O & P.S – Salanpur Dist – Paschim Bardhaman West Bengal, Pin No – 713357	Sample Condition : Sealed & Preserved
	Sample Stamped as : MSPL – 09
	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 <sup>rd</sup> Edition)	Standards (IS:10500)	Results
1	pH at 25.4 °C		4500-H <sup>+</sup> B	6.5 – 8.5	7.29
2	TDS	mg/l	2540 C	500.0	371.80
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	2320 B	200.0	117.99
5	Chloride (as Cl <sup>-</sup> )	mg/l	4500 – Cl <sup>-</sup> B	250.0	41.09
6	Calcium (as Ca <sup>2+</sup> )	mg/l	3500 – Ca B	75.0	36.79
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO <sub>3</sub> )	mg/l	2340 C	200.0	124.44
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.12
10	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	mg/l	4500 – SO <sub>4</sub> <sup>2-</sup> E	200.0	29.45
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	0.26
15	Nitrate (as NO <sub>3</sub> )	mg/l	4500 – NO <sub>3</sub> B	45.0	2.16
16	Chlorine Residual	mg/l	4500 – Cl <sup>-</sup> 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 – TC510923000000537P

### TEST REPORT (Part – B)

Report Release Date : 04.04.2023	Sample Ref. No (ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/03063	Source of Sample : Steel Plant
Type of Sample : Ground Water	Sampling Date : 29.03.2023
Sample Collected by : Mr. Binod Singh	Period of Analysis : 30.03.23 to 31.03.23
Sample Details : Bore Well	Sampling Location : Near Canteen
Name & Address : <b>Maithan Steel &amp; Power Limited</b>	Sample Condition : Sealed & Preserved
(Unit – II)	Sample Stamped as : MSPL – 09
Village & Mouza – Nakrajoria	Sample Drawn By : ECO CARE
P.O & P.S – Salanpur	Remarks : ---
Dist – Paschim Bardhaman	Deviation if any : None
West Bengal, Pin No – 713357	

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

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

Authorised Signatory

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



Annexure - X

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 &amp; Management

ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

URL NO. - TC51092300000541F

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

**TEST REPORT**

Report Release Date : 04.04.2023	Sample Ref. No (ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/03067	Source of Sample : Steel Plant
Type of Sample : Noise	Sampling Date : 28.03.2023
Sample Collected by : Mr. Binod Singh & Team	Period of Analysis : ----
Sample Details : Ambient Noise	Sample Condition : ----
Name & Address : <b>Maithan Steel &amp; Power Limited</b>	Remarks : ----
(Unit - II)	Sample Drawn By : ECO CARE
Village & Mouza - Nakrajoria	Sampling Plan &
P.O & P.S - Salanpur	Procedure : EC/SOP/03/01
Dist - Paschim Bardhaman	Deviation if any : None
West Bengal, Pin No - 713357	

**METEOROLOGICAL INFORMATION**

1	Average Temperature (°C)	32.6
2	Average Relative Humidity (%)	49.0
3	Barometric Pressure (mm of Hg)	755
4	Weather Condition	Clear Day

Noise Limit in dB(A) Leq

Area Code	Category of Area	Night Time (9 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

**WORK ZONE NOISE QUALITY REPORT**

Sampling Location		NOISE LEVEL		
		Minimum	Leq - Mean	Maximum
1. Near Main Gate	Day	66.90 dB(A)	70.67 dB(A)	73.60 dB(A)
	Night	41.30 dB(A)	55.63 dB(A)	65.20 dB(A)
2. Dendua Village	Day	50.20 dB(A)	53.75 dB(A)	58.40 dB(A)
	Night	34.80 dB(A)	43.34 dB(A)	52.40 dB(A)
3. Nakrajoria Village	Day	47.30 dB(A)	52.83 dB(A)	56.00 dB(A)
	Night	31.20 dB(A)	44.01 dB(A)	51.50 dB(A)
4. Salanpur Village	Day	49.20 dB(A)	54.79 dB(A)	61.90 dB(A)
	Night	30.30 dB(A)	41.26 dB(A)	50.00 dB(A)

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

Authorised Signatory

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



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

URL NO. – TC51092300000566F

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

### TEST REPORT

Report Release Date	: 04.04.2023	Sample Ref. No (ARF)	: EC/ARF/29/230323
Test Report No	: EC/TR/42/03075	Source of Sample	: Steel Plant
Type of Sample	: Noise	Sampling Date	: 28.03.23 to 29.03.23
Sample Collected by	: Mr. Binod Singh & Team	Period of Analysis	: ----
Sample Details	: Source Noise	Sample Condition	: ----
Name & Address	: <b>Maithan Steel &amp; Power Limited</b> (Unit – II) Village & Mouza – Nakrajoria P.O & P.S – Salanpur Dist – Paschim Bardhaman West Bengal, Pin No – 713357	Remarks	: ----
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Deviation if any	: None

#### Standard Noise Limit in dB(A) Leq & Sampling Location: Near SMS 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	10:15 Hrs to 11:15 Hrs	54.10 dB(A)	63.72 dB(A)	67.40 dB(A)
2	11:15 Hrs to 12:15 Hrs	62.10 dB(A)	66.13 dB(A)	69.70 dB(A)
3	12:15 Hrs to 01:15 Hrs	57.40 dB(A)	64.94 dB(A)	70.20 dB(A)
4	01:15 Hrs to 02:15 Hrs	52.50 dB(A)	65.42 dB(A)	70.10 dB(A)
5	02:15 Hrs to 03:15 Hrs	53.40 dB(A)	62.77 dB(A)	67.50 dB(A)
6	03:15 Hrs to 04:15Hrs	56.20 dB(A)	63.32 dB(A)	69.30 dB(A)
7	04:15 Hrs to 05:15 Hrs	50.70 dB(A)	65.70 dB(A)	72.90 dB(A)
8	05:15 Hrs to 06:15 Hrs	54.90 dB(A)	62.24 dB(A)	66.90 dB(A)
9	06:15 Hrs to 07:15 Hrs	55.80 dB(A)	63.47dB(A)	68.30 dB(A)
10	07:15 Hrs to 08:15 Hrs	61.60 dB(A)	66.98 dB(A)	70.80 dB(A)
11	08:15 Hrs to 09:15 Hrs	51.00 dB(A)	64.36 dB(A)	69.40 dB(A)
12	09:15 Hrs to 10:15 Hrs	60.60 dB(A)	65.05 dB(A)	68.70 dB(A)
13	10:15 Hrs to 11:15 Hrs	59.10 dB(A)	63.34 dB(A)	66.60 dB(A)
14	11:15 Hrs to 12:15 Hrs	57.10 dB(A)	65.04 dB(A)	69.60 dB(A)
15	12:15 Hrs to 01:15 Hrs	53.70 dB(A)	62.86 dB(A)	67.10 dB(A)
16	01:15 Hrs to 02:15 Hrs	55.80 dB(A)	66.35 dB(A)	71.60 dB(A)
17	02:15 Hrs to 03:15 Hrs	60.20 dB(A)	64.38 dB(A)	69.70 dB(A)
18	03:15 Hrs to 04:15 Hrs	49.00 dB(A)	64.44 dB(A)	68.50 dB(A)
19	04:15 Hrs to 05:15 Hrs	57.80 dB(A)	63.22 dB(A)	67.90 dB(A)
20	05:15 Hrs to 06:15 Hrs	59.40 dB(A)	65.64 dB(A)	68.40 dB(A)
21	06:15 Hrs to 07:15 Hrs	56.60 dB(A)	64.18 dB(A)	70.20 dB(A)
22	07:15 Hrs to 08:15 Hrs	59.40 dB(A)	66.30 dB(A)	69.40 dB(A)
23	08:15 Hrs to 09:15 Hrs	50.50 dB(A)	64.11 dB(A)	68.40 dB(A)
24	09:15 Hrs to 10:15 Hrs	59.20 dB(A)	66.22 dB(A)	68.90 dB(A)

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

Authorised Signatory

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



Phone : (0341) 2252011

Email : ecocareansol@rediffmail.com

Manoj Talkies Basement, Kumarpur

Asansol - 713304

Dist. Paschim Bardhaman (W.B.)

Specialised House on Environmental Monitoring, Analysis, Assessment &amp; Management

ISO 9001:2015 Certified, OHSAS 45001:2018 Certified

URL NO. – TC51092300000567F

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

**TEST REPORT**

Report Release Date : 04.04.2023	Sample Ref. NO (ARE) : EC/ARF/29/230323
Test Report No : EC/TR/42/03076	Source of Sample : Steel Plant
Type of Sample : Noise	Sampling Date : 28.03.23 to 28.03.23
Sample Collected by : Mr. Binod Singh & Team	Period of Analysis : ----
Sample Details : Source Noise	Sample Condition : ----
Name & Address : <b>Maithan Steel &amp; Power Limited</b>	Remarks : ----
(Unit – II)	Sample Drawn By : ECO CARE
Village & Mouza – Nakrajoria	Sampling Plan &
P.O & P.S – Salanpur	Procedure : EC/SOP/03/01
Dist – Paschim Bardhaman	Deviation if any : None
West Bengal, Pin No – 713357	

**Standard Noise Limit in dB(A) Leq & Sampling Location: Near Rolling Mill 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	01:20 Hrs to 02:20 Hrs	60.80 dB(A)	69.25 dB(A)	73.60 dB(A)
2	02:20 Hrs to 03:20 Hrs	62.20 dB(A)	67.50 dB(A)	70.50 dB(A)
3	03:20 Hrs to 04:20 Hrs	59.40 dB(A)	68.07 dB(A)	74.80 dB(A)
4	04:20 Hrs to 05:20 Hrs	59.20 dB(A)	66.22 dB(A)	68.90 dB(A)
5	05:20 Hrs to 06:20 Hrs	56.20 dB(A)	67.19 dB(A)	72.00 dB(A)
6	06:20 Hrs to 07:20 Hrs	62.10 dB(A)	68.81 dB(A)	72.30 dB(A)
7	07:20 Hrs to 08:20 Hrs	67.20 dB(A)	69.91 dB(A)	72.40 dB(A)
8	08:20 Hrs to 09:20 Hrs	63.40 dB(A)	67.83 dB(A)	70.30 dB(A)
9	09:20 Hrs to 10:20 Hrs	55.80 dB(A)	66.35 dB(A)	71.60 dB(A)
10	10:20 Hrs to 11:20 Hrs	57.20 dB(A)	67.39 dB(A)	70.30 dB(A)
11	11:20 Hrs to 12:20 Hrs	62.30 dB(A)	69.13 dB(A)	73.20 dB(A)
12	12:20 Hrs to 01:20 Hrs	59.40 dB(A)	66.30 dB(A)	69.40 dB(A)
13	01:20 Hrs to 02:20 Hrs	62.10 dB(A)	66.13 dB(A)	69.70 dB(A)
14	02:20 Hrs to 03:20 Hrs	59.40 dB(A)	66.37 dB(A)	70.20 dB(A)
15	03:20 Hrs to 04:20 Hrs	69.10 dB(A)	70.91 dB(A)	73.50 dB(A)
16	04:20 Hrs to 05:20 Hrs	52.30 dB(A)	67.49 dB(A)	74.60 dB(A)
17	05:20 Hrs to 06:20 Hrs	61.60 dB(A)	66.98 dB(A)	70.80 dB(A)
18	06:20 Hrs to 07:20 Hrs	62.50 dB(A)	68.75 dB(A)	72.10 dB(A)
19	07:20 Hrs to 08:20 Hrs	66.70 dB(A)	70.16 dB(A)	72.70 dB(A)
20	08:20 Hrs to 09:20 Hrs	57.30 dB(A)	68.74 dB(A)	73.40 dB(A)
21	09:20 Hrs to 10:20 Hrs	61.00 dB(A)	67.38 dB(A)	72.10 dB(A)
22	10:20 Hrs to 11:20 Hrs	60.20 dB(A)	66.27 dB(A)	70.80 dB(A)
23	11:20 Hrs to 12:20 Hrs	61.60 dB(A)	70.12 dB(A)	74.50 dB(A)
24	12:20 Hrs to 01:20 Hrs	62.50 dB(A)	68.38 dB(A)	71.80 dB(A)

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

Authorised Signatory

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

# MAITHAN STEEL & POWER LIMITED

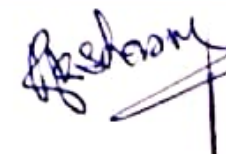
Chittaranjan Road, P.O. & P.S.: Salanpur - 713357, Dist.-Paschim Bardhaman (WB)

## Heat Stress Analysis Report

Annexure - XI

Date : 17/12/2022

Sl NO	NAME	Date of Birth (DD/MM/YYYY)	DESIGNATION	SEX (M/F)	DEPARTMENT	WEIGHT (Kgs)	HEIGHT (ft)	HEIGHT (Meter)	Body Mass Index (BMI)	BMI TYPE	Pulse Rate Before (BPM)	Pulse Rate After (BPM)	Rise in Pulse Rate	Body Temp. before in Work area	Body temp. After in Work Area	Rise in core body Temp	Blood Pressure Before (mm/hg)	Blood Pressure After (mm/hg)	Raise in blood pressure (mm/hg)
1	Parimal Das	08-05-1984	Gas cutter operator	M	CCM-1	49.2	4.1	1.2085	31.30412015	OVER WEIGHT	65	68	3	96.7	97.2	0.5	117/77	118/78	1/1
2	Santosh Mishra	23-01-1991	Helper	M	CCM-1	77.55	5.9	1.79832	21.97692633	NORMAL	100	114	14	97.1	97.6	0.5	119/79	120/80	1/1
3	Dipak Saha	02-02-1995	Fitter	M	CCM-1	60.98	5.2	1.58493	24.27472871	NORMAL	80	84	4	96	97	1	117/77	118/78	1/1
4	Sh. Ansh	04-01-1985	SBO OPERATOR	M	CCM-1	71.4	5.3	1.61549	27.46002861	OVER WEIGHT	82	82	0	97.3	97.8	0.5	118/79	120/80	2/1
5	Prabir Kumar Maitra	07-02-1991	Fitter	M	CCM-2	64.5	5.4	1.64592	23.80906411	NORMAL	75	76	1	97.6	98	0.4	116/79	118/80	2/1
6	Santosh Mishra	06-09-1990	Jr Fitter	M	CCM-1	53.75	5.6	1.70688	18.44898549	UNDER WEIGHT	75	77	2	97.3	98.1	0.8	119/78	120/80	1/2
7	Manoj Kumar	08-03-1992	Asst. Foreman	M	CCM-1	57.75	5.8	1.76784	18.47847285	UNDER WEIGHT	78	80	2	97.3	97.9	0.6	121/78	122/80	1/2
8	Sandeep Chatterjee	23-07-1982	Sr. Fitter	M	CCM-2	62.75	5.8	1.76784	20.07834663	NORMAL	110	117	7	97.2	98	0.8	122/81	124/84	2/3
9	Prasenjit Kumar Saha	04-06-1983	Foreman	M	CCM1/2	67	4.11	1.252728	42.69344029	OBESITY	90	92	2	96.9	97.4	0.5	119/78	120/80	1/2
10	Sanjib Kumar Choudhury	01-01-1987	Tunerwoman	M	CCM-1	71.7	5.3	1.61544	27.47498672	OVER WEIGHT	68	70	2	96.7	97.1	0.4	112/75	118/77	6/2
11	Mani Kumar Mishra	16-08-1989	SBO OPERATOR	M	CCM-1	61.55	5.7	1.73736	20.39146464	NORMAL	85	89	4	98	98.2	0.2	117/75	118/78	1/3
12	Santosh Prasad	01-05-1981	Welder	M	CCM-2	57.8	5.3	1.61544	22.14859159	NORMAL	85	86	1	97.1	97.3	0.2	119/79	120/80	1/1
13	Ujjwal Saha	06-01-1981	Welder	M	CCM-2	67.6	5.3	1.61544	25.90389264	OVER WEIGHT	85	90	5	96.9	97.4	0.5	119/79	120/80	1/1
14	Maheswar Das	05-02-1994	Helper	M	CCM-1	58	5.6	1.70688	19.90774243	NORMAL	72	75	3	97.1	97.5	0.4	116/71	118/78	2/7
15	Balvinder Kumar Das	05-05-1997	Tunerwoman	M	CCM-2	57.1	5.4	1.64592	21.0774789	NORMAL	76	76	0	97.4	98.2	0.8	119/77	120/80	1/3
16	Lankal Rajak	01-01-1979	Helper	M	CCM-1	56.5	5.2	1.58496	22.49115897	NORMAL	74	77	3	97.4	98.1	0.7	118/75	120/80	2/5
17	Vinay Singh	01-01-2002	Ladderman	M	CCM-1	57.1	5.5	1.6764	20.31799289	NORMAL	68	65	-3	97.9	98.2	0.3	117/78	120/80	3/2
18	Mid Nath	10-04-1996	Gas cutter operator	M	CCM-2	68	5.4	1.64592	25.10102566	OVER WEIGHT	80	99	19	96.9	97.8	0.9	120/80	122/82	2/2
19	Baneshwar Das	01-01-1992	Billet Guard	M	CCM1/2	72.5	5.5	1.6764	25.79780183	OVER WEIGHT	74	81	7	97.1	97.8	0.7	116/77	118/78	2/1
20	SANTOSH KUMAR PANDI	12-03-1994	Gas Cutter Helper	M	CCM-2	63.7	5.4	1.64592	23.51375492	NORMAL	79	88	9	97.4	97.5	0.1	120/80	122/82	2/2
21	NITESH KUMAR	24-01-1990	Jr Engineer	M	CCM-1	72	5.8	1.76784	23.09809602	NORMAL	86	87	1	98	98.2	0.2	118/78	120/80	2/2

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

# MAITHAN STEEL & POWER LIMITED

Chittaranjan Road, P.O. & P.S.: Salanpur - 713357, Dist.-Paschim Bardhaman (WB)  
Heat Stress Analysis Report

Date : 17/12/2022

22	VIVEK KUMAR	26-10-1994	Asst. Manager	M	CCM - 2	72	5.6	1.70688	24.71305963	NORMAL	82	86	4	97.1	97.3	0.2	119/78	122/80	3/2
23	HEBAHADUR YADAV	12-08-1994	SUPERVISOR	M	CCM - 2	67.5	5.4	1.64592	24.9164593		69	74	5	96.9	97.4	0.5	117/77	118/78	1/1
24	ARVIND SINGH	15-08-1977	Ladle meson	M	CCM - 1	62.5	5.3	1.61544	23.91960488	NORMAL	71	75	4	97.1	97.5	0.4	120/78	130/90	10/12
25	SK. SAMIRUL HAQUI	03-05-1985	Fitter	M	CCM - 1	77	5.7	1.73736	25.510037	OVER WEIGHT	85	91	6	97.4	98.2	0.8	112/74	118/78	6/4
26	MANU DAS	01-01-2003	LADLE MAN	M	CCM - 1	54	5.3	1.61544	20.69245862	NORMAL	81	85	4	97.1	97.8	0.7	116/72	124/80	8/8
27	SAMLAL MISHRA	28-02-1990	Ladle Foreman	M	CCM - 1	55.7	5.3	1.61544	21.34388787	NORMAL	70	78	8	97.4	97.5	0.1	118/76	119/78	1/2
28	PRASHANT KUMAR SAHNI	08-03-1995	Engineer	M	CCM - 1	88.8	5.8	1.76784	28.41365175	OVER WEIGHT	71	91	20	98	98.2	0.2	120/77	121/80	1/3
29	RAHUL KUMAR SINGH	31-03-1990	Shift In Charge	M	CCM - 2	84.4	5.7	1.73736	27.96165094	OVER WEIGHT	90	98	8	97.3	97.8	0.5	112/71	122/80	10/9
30	NIMAI MONDAL	1969	Pump Operator	M	CCM - 1	80.3	5.4	1.64592	29.64135825	OVER WEIGHT	87	92	5	97.6	98	0.4	120/75	120/80	0/5
31	SANOJ KUMAR	2001	Ladle Helper	M	CCM - 1	51.2	5.5	1.6764	18.21858556	UNDER WEIGHT	89	90	1	97.3	98.1	0.8	112/78	120/80	8/2
32	MADHU RUIDAS	1978	Tendish Mason	M	CCM - 1	51.2	5.3	1.61544	19.61951632	NORMAL	66	71	5	97.4	97.5	0.1	110/75	118/78	8/3
33	DILANANTAY BOURI	1993	Tendish Mason	M	CCM - 2	58.8	5.4	1.64592	21.70500454	NORMAL	87	93	6	98	98.2	0.2	115/75	122/80	7/5
34	AMIT KUMAR	12-01-1993	MOULD OPERATOR	M	CCM - 2	74.8	5.5	1.6764	26.61621485	OVER WEIGHT	78	80	2	97.3	97.8	0.5	112/74	115/75	3/1
35	SUNIL YADAV	02-03-1996	Mould helper	M	CCM - 1	51.9	5	1.524	22.34587893	NORMAL	82	75	-7	97.6	98	0.4	120/80	120/80	0/0
36	DILIP KUMAR	05-07-1996	MOULD OPERATOR	M	CCM - 1	73.5	5.5	1.6764	26.15363357	OVER WEIGHT	90	117	27	96.9	97.1	0.2	111/74	120/78	9/4
37	RAMJI YADAV	01-01-2000	MOULD OPERATOR	M	CCM - 1	50	5.4	1.64592	18.45663652	UNDER WEIGHT	80	75	-5	95.8	96.1	0.3	116/74	118/76	2/2
38	DINESH BOURI		Tendish Helper	M	CCM - 1	53.2	5.1	1.55448	22.01614895	NORMAL	79	76	-3	96.3	97.2	0.9	118/79	119/79	1/0
39	BAPPI BOURI	1999	Tendish Helper	M	CCM - 2	67	5.2	1.58496	26.67093188	OVER WEIGHT	82	86	4	97.1	97.6	0.5	120/80	124/82	4/2
40	CHANDAN KUMAR BHAKUR	01-01-1989	Pump Operator	M	CCM - 1	68.5	5.5	1.6764	21.37447483	NORMAL	95	117	22	97	97.5	0.5	120/80	120/80	0/0
41	NABANI RUIDAS	05-01-1980	Helper	M	CCM - 1	48.3	4.11	1.252728	30.77751571	OBESITY	89	90	1	98.6	99	0.4	115/75	119/79	4/4
42	MD SAHBAAZ		Helper	M	CCM - 2	49.6	5	1.524	21.35559827	NORMAL	66	75	9	95.7	96	0.3	120/76	120/79	0/3
43	SURAJ KUMAR		Helper	M	CCM - 1	49.6	5.3	1.61544	19.00640643	NORMAL	88	96	8	95.1	96.5	1.4	120/79	120/80	0/1
44	KARTICK CHANDRA SINGH	01-11-2000	MOULD OPERATOR	M	CCM - 2	56.3	5.2	1.58496	22.41154425	NORMAL	92	101	9	94.8	95	0.2	120/78	120/80	0/2

*R. K. Sharma*

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



**MAITHAN STEEL & POWER LIMITED**  
Chittaranjan Road, P.O. & P.S.: Salanpur - 713357, Dist.-Paschim Bardhaman (WB)  
Heat Stress Analysis Report

Date : 17/12/2022

5	GULSHAN KUMAR	04-03-2004	Helper	M	CCM-2	54.5	5.1	1.55448	22.5541755	NORMAL	90	103	13	95	96	1	111/71	116/76	5/5
6	RAJKUMAR PRASAD	01-01-1993	GAS CUTTER	M	CCM-2	88.2	5.7	1.73736	29.22058783	OVER WEIGHT	95	102	7	95.9	96.3	0.4	112/72	120/80	8/8
7	BOHIT CHOUHAN		Ladle man	M	CCM-2	49	5.2	1.58496	19.5056689	NORMAL	89	92	3	96.7	97.1	0.4	111/78	120/80	6/2
8	MANJAY KUMAR	01-01-1997	Ladle man	M	CCM-1	50.4	5.7	1.73736	16.69747876	UNDER WEIGHT	99	110	11	94.5	95.3	0.8	120/80	122/81	2/1
9	Sanjit Choudhury		AGM	M	CCM	117.7	5.1	1.55448	48.70866036	OBESITY	78	80	2	98.1	99	0.9	119/77	120/80	1/3
10	Pradip Mondal	23-12-1996	ASST. Engineer	M	SMS-1	70.75	5.7	1.73736	21.4941714	NORMAL	69	71	2	95.3	96	0.7	112/75	118/76	6/1
11	Rajesh Kumar	07-07-1993	Electrician	M	SMS-1	61.9	5.1	1.55448	25.61653421	OVER WEIGHT	84	78	6	96.4	97.3	0.9	120/78	120/80	0/2
12	Unnapada Mondal	04-04-1993	Electrician	M	RM-1	60.25	5.4	1.64592	22.240247	NORMAL	76	78	2	96.2	98	1.8	118/78	126/80	6/12
13	Ashok Swain	05-02-1984	Electrician	M	RM-1	72.65	5.4	1.64592	26.81749286	OVER WEIGHT	68	72.65	4.65	95.8	96.2	0.4	112/72	122/80	10/8
14	Sujan Das	24-01-1996	Electrician	M	RM-1	63	5.6	1.70688	21.62392718	NORMAL	92	105	13	94.8	97.7	2.9	114/70	120/80	6/10
15	ARNAB TEWARY	03-04-1993	Electrical Incharge	M	SMS-1	68.9	5.7	1.73736	22.82651363	NORMAL	88	90	2	98.1	99	0.9	118/77	118/80	0/3
16	Papa Mondal	16-06-1988	Electrician	M	RM-1	65.2	5.3	1.61544	24.98422781		68	76	8	95.8	96.2	0.4	116/74	120/80	4/6
17	SAHIL KUMAR CHAKRABORTY	11-01-1988	Jr. Electrician	M	SMS-1	73.75	5.6	1.70688	25.31372427	OVER WEIGHT	78	81	3	96.1	97	0.9	118/72	118/78	0/6
18	Dinesh Kumar Mondal	15-02-1995	Jr. Engineer	M	RM-1	75.25	5.8	1.76784	24.07801007	NORMAL	70	72	2	97.1	98.1	1	112/74	120/80	8/4
19	Amar Das	05-08-1982	Electrician	M	RM-1	60.25	5.4	1.64592	22.240247	NORMAL	89	98	9	97.4	98	0.6	112/77	122/81	10/4
20	Abhijit Mondal	04-01-2001	Jr. Electrician	M	SMS-2	61.25	5.6	1.70688	21.02326253	NORMAL	92	95	3	97.1	98.4	1.3	110/78	122/78	12/0
21	Dev. Ratan Kumar Singh	05-01-2000	Electrician	M	RM-1	72.9	5.1	1.55448	30.16874546	OBESITY	99	102	3	97.4	98.2	0.8	118/73	120/80	2/7
22	Alok Das	08-10-1991	Electrician	M	RM-1	73.3	5.9	1.79832	22.66574644	NORMAL	82	85	3	98.1	99.2	1.1	120/80	122/80	2/0
23	Chittatoshi Goran	26-02-2001	Electrician	M	RM-1	51.25	5.4	1.64592	18.91805243	NORMAL	81	85	4	98.2	99	0.8	120/80	120/80	0/0
24	Kajal Mondal	08-06-1997	Engineer	M	SMS-1	75.65	5.4	1.64592	27.92489105	OVER WEIGHT	91	94	3	97.6	98	0.4	120/80	120/80	0/0
25	GOURANGO MALHATO	03-06-1991	Electrician	M	SMS-2	70.2	5.8	1.76784	22.46214362	NORMAL	87	88	1	98.6	99.2	0.6	110/70	120/80	10/10
26	Ramakant Kumar	22-01-1992	Sr. Electrician	M	SMS-2	69	5.5	1.6764	24.5523907	NORMAL	79	100	21	95.2	96	0.8	119/78	122/78	3/0
27	Sanjay Kumar Jha	12-10-1974	ASST. Engineer	M	SMS-2	52.9	5.4	1.64592	19.52712143	NORMAL	67	99	32	97.6	98.5	0.9	115/78	120/80	5/2

*R. K. Sharma*  
**DR. R. K. SHARMA**  
Regd. Medical Practitioner  
Regd. No. - 5415





**MAITHAN STEEL & POWER LIMITED**  
Chittaranjan Road, P.O. & P.S.: Salanpur - 713357, Dist.-Paschim Bardhaman (WB)  
Heat Stress Analysis Report

Date : 17/12/2022

68	Lakshman Thakur	14-10-1985	Shift-In-Charge	M	SMS - 1	80.45	5.11	1.557528	33.16.90909	OBESITY	66	71	5	98.5	99.3	0.8	120.70	122.80	2/10
69	Subrata Pradhan	13-04-1994	ASST. Engineer	M	SMS - 1	64.6	5.4	1.64592	23.81597438	NORMAL	77	78	1	96.4	97.3	0.9	110.70	120.78	10/8
70	Anukul Mishra	10-09-1994	Electrician	M	SMS - 2	74.9	5.8	1.76784	23.96601933	NORMAL	102	112	10	98.6	99	0.4	120.80	124.80	4/0
71	Sudham Kumar Shrivastab	02-10-1994	Electrician	M	SMS - 2	78.15	5.4	1.64592	28.8172288	OVER WEIGHT	85	86	1	95.5	96.2	0.7	120.80	120.80	0/0
72	Tarinos Das	01-07-1995	Sr.Engg.	M	SMS(1,2)	70	5.4	1.64592	25.83929112	OVER WEIGHT	69	86	17	98.7	99.3	0.6	117.75	122.80	5/7
73	Rohit Kumar	15-01-1989	Jr. Engg.	M	SMS - 1	59.35	5.6	1.70688	20.37111235	NORMAL	72	77	5	96.5	97.2	0.7	110.79	116.80	6/1
74	Barun Kumar Pandey	04-08-1996	Shift-In-Charge	M	SMS-2	80.25	5.1	1.55448	33.21045025	OBESITY	80	82	2	98.2	99.4	1.2	114.75	118.75	4/0
75	Birender kumar	15-03-1977	Fitter	M	Operation	60.2	5.1	1.55448	24.91301065		80	81	1	96.1	97	0.9	117.76	124.80	7/4
76	Somnath Gosai	12-08-1997	Supervisor	M	MIS	63	5.8	1.76784	20.15833401	NORMAL	83	91	8	98.1	99.2	1.1	111.70	122.80	11/10
77	Chandan Kumar Sharma	05-09-1980	Crane Fitter	M	(m-2)(Mechanical)	67.8	5.7	1.73736	22.46208453	NORMAL	64	71	7	96.7	97.6	0.9	117.72	120.80	3/8
78	Sunil Kumar Yadav	03-01-1994	Sr. Fitter(block mill)	M	Operation	65.8	5.5	1.6764	23.4137291	NORMAL	81	88	7	98.2	99.3	1.1	118.78	118.78	0/0
79	Manish Kumar Singh	01-01-1991	Shaperman	M	Workshop	77.8	5.9	1.79832	24.05723155	NORMAL	68	72	4	95.1	96.5	1.4	110.75	120.80	10/5
80	Dharmender Kumar	01-01-1974	Turner Operator	M	Workshop	53.5	5.3	1.64544	20.50086178	NORMAL	59	83	24	98.6	99.2	0.6	113.78	118.78	5/0
81	Sanjayashu Mistry	01-01-1983	Fitter	M	R.m-1,Mech	85.8	5.6	1.70688	29.44972939	OVER WEIGHT	101	102	1	95.9	96.5	0.6	120.72	130.82	10/10
82	Rajgunath Mondal	12-05-1965	Turner	M	Workshop	64	5.4	1.64592	23.62449474	NORMAL	59	68	9	98	98.5	0.5	119.79	120.79	1/0
83	Suraj Mondal	09-02-2003	Helper	M	R.m-1,Mech	50.7	5.3	1.64544	19.42791948	NORMAL	86	100	14	96.8	97.2	0.4	116.76	120.80	4/4
84	Ajay Shah	20-02-1987	Fitter	M	R.m-1,Operation	70.6	5.7	1.73736	23.8972224	NORMAL	77	82	5	97.1	97.6	0.5	115.70	118.80	3/10
85	SAHU SARAVAN	01-06-1978	Roll Assemble(Helper)	M	Workshop	60.7	5.1	1.55448	25.11992935	OVER WEIGHT	77	78	1	96	97	1	110.76	120.80	10/4
86	Pawan Mondal	10-02-1996	Fitter	M	R.m-1,Operation	65.5	5	1.524	28.20144529	OVER WEIGHT	78	88	10	97.3	97.8	0.5	112.76	118.78	6/2
87	PANKAJ KUMAR RAVAT	01-01-1982	Jr Fitter	M	R.m-1,Operation	72.5	5.3	1.64544	27.78154166	OVER WEIGHT	104	107	3	97.6	98	0.4	119.76	119.76	0/0
88	Bachha Singh	01-01-1985	Crane Operator	M	R.M-1	77.3	5.4	1.64592	28.5396006	OVER WEIGHT	69	75	6	97.3	98.1	0.8	110.70	120.80	10/10
89	Dhurbha Nath	01-02-1989	Fitter	M	R.m-1,Operation	59.9	5.4	1.64592	22.11105055	NORMAL	82	85	3	97.3	97.9	0.6	112.72	120.80	8/8
90	MIDAKHTAE ANSARI	03-03-1986	Turner	M	Workshop	57.6	5.6	1.70688	19.7704477	NORMAL	95	108	13	95.6	96.3	0.7	112.71	120.80	8/9

*R. K. Sharma*  
**DR. R. K. SHARMA**  
Regd. Medical Practitioner  
Regd. No. - 5415



**MAITHAN STEEL & POWER LIMITED**  
Chittaranjan Road, P.O. & P.S.: Salanpur - 713357, Dist.-Paschim Bardhaman (WB)  
Heat Stress Analysis Report

Date : 17/12/2022

91	ARVIND YADAV	01-09-1984	Sr Fitter	M	RM-1-Mechanical	54.2	5.2	1.58496	21.57558967	NORMAL	89	90	1	97.6	98.2	0.6	120/80	130/80	10/0
92	Rajb Kumar	15-01-1987	Turner Operator	M	Workshop	50.4	5.2	1.58496	20.06290995	NORMAL	73	78	5	98.2	99	0.8	117/72	120/80	3/8
93	Bijoy Mondal	31-03-1990	Jr Fitter	M	RM-1-Mechanical	57.7	5.4	1.64592	21.29895854	NORMAL	84	89	5	95.7	96.5	0.8	119/77	120/80	1/3
94	Chandan Kumar Yadav	16-04-1996	Fitter	M	RM-1-Mechanical	50.9	5.7	1.73736	16.86312835	UNDER WEIGHT	80	85	5	96.3	97.2	0.9	119/72	120/76	1/4
95	Bhanu Das	20-02-1990	Fitter	M	R-m-1,Operation	65	5.6	1.70688	22.31040106	NORMAL	66	76	10	98.3	99.2	0.9	118/76	122/82	4/6
96	Rantu Kumar Singh	14-01-1982	Shaperman	M	Workshop	71.7	5.6	1.70688	24.61008855	NORMAL	84	96	12	96.9	97.2	0.3	120/78	122/80	2/2
97	Rajesh Kumar	14-04-1976	Turner Operator	M	Workshop	68.8	5.5	1.6764	24.48122435	NORMAL	94	105	11	95.8	96.2	0.4	110/74	116/78	6/4
98	Ajay Kant Giri	01-01-1977	Turner Operator	M	Workshop	64.9	5.6	1.70688	22.27607736	NORMAL	85	85	0	98.1	99.2	1.1	110/70	122/80	12/10
99	Md. Jalaluddin Ansari	01-06-1986	Welder	M	Workshop	55.1	5.5	1.6764	19.60632939	NORMAL	101	115	14	95.5	96.2	0.7	120/76	120/80	0/4
100	LAKSHMIAN PD AGARWAL	09-11-1973	Helper	M	r-m-2(Mechanical)	76.5	5.7	1.73736	25.34438711	OVER WEIGHT	69	82	13	98.9	99.1	0.2	111/71	120/80	9/9
101	Chandra sekhar	05-06-1974	Sr Fitter	M	RM-1(operation)	93.2	5.7	1.73736	30.87708374	OBESITY	74	80	6	96.7	97.2	0.5	117/72	122/82	5/10
102	PANKAJ KUMAR RAYAT	01-01-1982	Welder	M	RM-2(operation)	61.1	5.2	1.58496	24.32229758	NORMAL	68	80	12	97.1	97.6	0.5	110/70	116/76	6/6
103	VINDU YADAV	01-01-1973	Mechanical helper	M	RM-1(operation)	52.3	4.6	1.40208	26.60456119	OVER WEIGHT	75	75	0	96	97	1	113/72	120/82	7/10
104	Mondal saho	01-01-1983	Fitter	M	RM-1(operation)	63.4	5.5	1.6764	22.55973291	NORMAL	89	101	12	97.3	97.8	0.5	120/80	120/81	0/1
105	RAJKUMAR MALIYA	10-08-1988	Sr Fitter	M	RM-1(operation)	73.05	5.4	1.64592	26.96514595	OVER WEIGHT	84	90	6	97.6	98	0.4	118/74	120/80	2/6
106	Prasenjit gope	08-01-2001		M	Workshop	66.3	5.5	1.6764	23.59164498	NORMAL	64	58	-6	97.3	98.1	0.8	119/73	120/78	1/5
107	Satwan Mishra	06-03-1983	Fitter	M	RM-1(Mechanical)	77.3	5.6	1.70688	26.53221541	OVER WEIGHT	88	95	7	97.3	97.9	0.6	118/72	125/80	7/8
108	Itendra Yadav	20-10-1997	Fitter	M	RM-1(operation)	69	5.5	1.6764	24.5523907	NORMAL	64	72	8	97.2	98	0.8	120/80	120/80	0/0
109	Gopinath Hazra	02-02-1996	DET	M	RM-1Mechanical	41	5	1.524	17.65281308	UNDER WEIGHT	60	80	20	96.9	97.4	0.5	120/78	120/80	0/2
110	Raj Kumar Pal	16-08-1988	Fitter	M	RM-1(operation)	81	5.2	1.58496	32.24396242	OBESITY	80	86	6	96.7	97.1	0.4	118/72	118/78	0/6
111	Abhesh Kumar	12-10-1996	Jr Fitter	M	r-m-2(Mechanical)	57.8	5.1	1.55448	23.91980093	NORMAL	82	89	7	96.3	97.9	1.6	113/77	120/80	7/3
112	Dipak Bagdi	03-07-1991	Helper	M	RM-1Mechanical	66.6	5.5	1.6764	23.6983945	NORMAL	87	91	4	98	99.1	1.1	110/72	115/75	5/3
113	Swapan Routh	01-01-1983	Jr Fitter	M	RM-1(operation)	54.3	5.4	1.64592	20.04390726	NORMAL	69	72	3	97.2	98	0.8	118/79	120/80	2/1

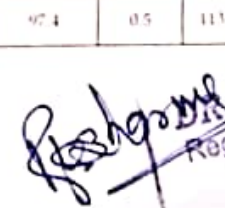
*Resonance*  
**DR. R. K. SHARMA**  
Regd. Medical Practitioner  
Regd. No. - 5415

# MAITHAN STEEL & POWER LIMITED

Chittaranjan Road, P.O. & P.S.: Salanpur - 713357, Dist.-Paschim Bardhaman (WB)  
Heat Stress Analysis Report

Date : 17/12/2022

114	Ranjan Kumar Singh	15-05-1980	Jr. Fitter	M	RM-1(Mechanical)	76.1	5.8	1.76784	24.3499876	NORMAL	69	70	1	96.9	97.5	0.6	118/78	124/80	6/2
115	Oharendra Kumar Pathak	13-11-1987	Fitter	M	r.m-2(Mechanical)	93.1	5.5	1.6764	33.12793386	OBESITY	80	80	9	98.6	99	0.4	119/72	122/80	3/8
116	Sunil Kumar	08-06-1991	Fitter	M	RM-2(operation)	60.1	5.2	1.58496	24.01361605	NORMAL	91	96	5	97.5	98	0.5	115/71	124/82	9/11
117	Sudhir Kumar Singh	20-11-1992	Fitter	M	r.m-2(Mechanical)	68.7	5.2	1.58496	27.34765701	OVER WEIGHT	76	81	5	98.1	99.2	1.1	115/74	125/80	10/6
118	Sekhar Kumar	06-01-1982	Mechanical Incharge	M	r.m-2(Mechanical)	70	5.5	1.6764	21.90822215		90	92	2	98.2	99	0.8	116/74	120/80	4/6
119	Dwarkan Prasad	01-07-1994	Helper	M	r.m-2(Operation)	49.7	5.2	1.58496	19.78425842	NORMAL	65	61	-4	97.6	98	0.4	112/78	118/78	6/0
120	Angad Singh	12-08-1981	Fitter	M	r.m-2(Operation)	81.1	5.4	1.64592	29.93666113		72	77	5	98.6	99.2	0.6	120/80	120/80	0/0
121	Jaydig Shaco	11-01-1979	Roll Assembly Fitter	M	RM-1(operation)	60.45	5.3	1.61544	23.16405784	NORMAL	89	91	2	95.2	96	0.8	120/80	120/80	0/0
122	Bikash Pathak	01-10-1994	Fitter	M	r.m-2(Operation)	80.35	5.7	1.73736	26.61988926	OVER WEIGHT	94	96	2	97.6	98.5	0.9	110/70	120/80	10/10
123	VISHWAJEET SINGH	07-01-1992	SENIOR CHEMIST	M	SMS QC	76.6	5.6	1.70688	26.29191955	OVER WEIGHT	81	85	4	98.5	99.3	0.8	120/79	127/85	7/6
124	SWARUP DASGUPTA	12-10-1977	LAB HELPER	M	SMS QC	75	5.7	1.73736	24.84743864	NORMAL	59	61	2	96.4	97.3	0.9	119/75	120/80	1/5
125	BIJOY HEMBRAM	11-03-1987	JUNIOR CHEMIST	M	SMS QC	48	5	1.524	20.666708	NORMAL	64	97	33	98.6	99	0.4	120/78	122/80	2/2
126	KAMAL YADAV	17/11/1985	JUNIOR FITTER	M	SMS-1	73	5.7	1.73736	24.18481027	NORMAL	78	78	0	98.2	99.3	1.1	118/77	120/80	2/3
127	ANIKET GIRI	13/01/2004	TRAINEE	M	SMS QC	60	5.7	1.73736	19.87795091	NORMAL	59	74	15	96.1	97	0.9	120/78	122/80	2/2
128	SEKUMAR PARAMANIK	02-03-2000	LAB HELPER	M	SMS QC	48	5.3	1.61544	18.39328655	UNDER WEIGHT	68	92	24	98.1	99.2	1.1	118/73	118/76	0/3
129	NAHIN KARMAKAR	01-01-1977	LAB HELPER	M	SMS QC	54	5.8	1.76784	17.27837201	UNDER WEIGHT	82	90	8	98.2	99	0.8	110/77	120/80	10/3
130	PAPPU KUMAR DAS	01-02-1994	WELDER	M	NEW MECH WORKSHOP	50	5.1	1.55448	20.69186931	NORMAL	94	102	8	97.6	98	0.4	119/80	120/80	1/0
131	MANJEET KUMAR	15/10/1999	WELDER	M	NEW MECH WORKSHOP	50	5.5	1.6764	17.79158747	UNDER WEIGHT	82	82	0	98.6	99.2	0.6	116/79	118/80	2/1
132	SUMAN SAMADDAR	05-03-1987	CHEMIST	M	SMS QC	63	5.8	1.76784	20.15833401	NORMAL	77	104	27	95.2	96	0.8	120/77	122/80	2/3
133	SHARVAN KUMAR	02-02-1994	SENIOR CHEMIST	M	SMS QC	63.9	5.4	1.64592	23.58758147	NORMAL	84	99	15	95.9	96.3	0.4	120/74	120/80	0/6
134	RAJA KUMAR	15/06/1997	JUNIOR FITTER	M	SMS-2-MECH	69.4	5.5	1.6764	21.6947234	NORMAL	73	92	19	98.2	99	0.8	115/72	118/78	3/6
135	MD ASLAM ANSARI	01-05-1980	SR FITTER	M	SMS-2-MECH	63.9	5.1	1.55448	26.44238988	OVER WEIGHT	84	95	11	93.6	96	0.4	120/71	122/80	2/9
136	BIKESHAW	08-03-1990	SR FITTER	M	SMS-2-MECH	75.5	5.8	1.76784	24.15800346	NORMAL	83	87	4	96.9	97.4	0.5	113/78	120/80	7/2


**R. K. SHARMA**  
 Regd. Medical Practitioner  
 Regd. No. - 5415

# MAITHAN STEEL & POWER LIMITED

Chittaranjan Road, P.O. & P.S.: Salanpur - 713357, Dist.-Paschim Bardhaman (WB)  
Heat Stress Analysis Report


Date : 17/12/2022

137	NARENDRA KUMAR JHA	12-01-1969	SR.CHIMIST	M	SMS QC	61.8	5.4	1.6492	22.81240274	NORMAL	80	82	2	97.1	97.5	0.4	120/79	124/84	4/5
138	ANUBHAB KHAWASHI	02-01-1996	FITTER	M	SMS-2MECH	71	5.7	1.7376	23.52221091	NORMAL	82	85	3	97.4	98.2	0.8	116/76	118/78	2/2
139	BARUN BAURI	10-01-1993	LABORER	M	SMS QC	60	5.3	1.6154	22.99162088	NORMAL	92	110	18	97.1	97.8	0.7	117/77	120/80	3/3
140	BIKASH KUMAR	12-05-1999	WELDER	M	SMS-2MECH	45.8	5.2	1.58496	18.23177134	UNDER WEIGHT	84	86	2	97.4	97.5	0.1	120/78	126/78	6/0
141	RAMSWAROOP KUSHWAHA	12-01-1978	PUMP OUT	M	SMS-2	60.4	5.3	1.61544	23.14489815	NORMAL	90	93	3	97.2	98.1	0.9	120/80	120/80	0/0
142	SUDHIR KUMAR	14-04-1999	FITTER	M	SMS-2MECH	55.5	5.3	1.61544	21.26724913	NORMAL	100	112	12	98.2	99.3	1.1	119/77	120/80	1/3
143	GOVU KUMAR	03-05-2003	JUNIOR FITTER	M	SMS-2MECH	46.8	5.3	1.61544	17.93346413	UNDER WEIGHT	70	73	3	96.1	97	0.9	110/78	116/78	6/0
144	BAJRAMI SILLAW	10-10-1996	FITTER	M	SMS-2MECH	70.5	5.7	1.73736	23.35659232	NORMAL	92	96	4	98.1	99.2	1.1	115/73	116/78	1/5
145	AWADHESHYADAV	06-03-1985	WELDER	M	SMS-2MECH	62.4	5.5	1.6764	22.2090116	NORMAL	80	81	1	96.7	97.6	0.9	120/78	124/82	4/4
146	SEKHABIR HOSSAIN	17-03-1980	JUNIOR FITTER	M	SMS1MECH	68	5.8	1.76784	21.75820179	NORMAL	68	73	5	98.2	99.3	1.1	118/71	120/80	2/9
147	SADAN KUMAR MAHAJO	01-04-1973	FITTER	M	SMS-2MECH	68	5.5	1.6764	24.19655895	NORMAL	69	74	5	95.1	96.5	1.4	115/73	122/82	7/9
148	SWARNUP DAS	10-02-1997	DET	M	SMS1MECH	59.5	5.8	1.76784	19.03842657	NORMAL	67	67	0	94.8	95	0.2	112/75	115/75	3/0
149	DIPAK TIWARY	21-05-1989	FITTER	M	SMS-2MECH	71.4	5.8	1.76784	22.84611188	NORMAL	81	84	3	95	96	1	116/75	120/80	4/5
150	PRAKASH KUMAR MANDAL	16-08-1996	CHEMIST	M	SMS QC	74.4	5.7	1.73736	24.64865913	NORMAL	105	107	2	98.1	99.2	1.1	111/71	118/80	7/9

Note:- BMI = weight (kg) / [height (m)]<sup>2</sup>

Category	BP
Normal	120 / 80 or less
Moderate	121-139 / 81-89
High	> = 140 / 90

Category	BMI
Underweight	≤ 18.5
Normal Weight	18.5 - 24.9
Overweight	25 - 29.9
Obesity	≥ 30

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

Signature with date of the Factory Medical Officer / The Certifying Surgeon

FORM NO. 17

HEALTH

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

1. Serial No. in the Register of adult workers:  
 2. Name of worker: Mr. Sanjay Agwani  
 3. Sex: Male & Date of Birth: 02-01-1968

Department	Name of Industrial Process	Organic process description	Nature of job or occupation	How materials, products or by-products likely to be exposed to	Date of testing	Date of previous test in year	Reason for change of date of test	Observation	
								Signs and symptoms observed during examination	Remarks
1	2	3	4	5	6	7	8	9	10
General			Manager		12/2/78				
					15/4/78				
					15/2/78				
					15/2/78				

REGISTER

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

Examination and the results thereof		If declared unfit for work				Signature with Date of the Factory Medical Officer / the Certifying Surgeon
Name of Test & Result thereof	Final Fitness	Period of temporary unfitness from the work	Reasons for such unfitness	Limit of disability (in % of the work)	Date of resuming normal activities	
10	11	12	13	14	15	16
Bp - 110/70 Pulse - 64/m Rf - 24/m Chest - Clear Ht - 5'8" Wt - 68 kg SpO2 - 96% Anemia - Nil	Fit					
Bp - 123/76 Pulse - 83/m Rf - 22/m Chest - Clear Ht - 5'9" Wt - 66 kg SpO2 - 96% Anemia - Nil	Fit					
Bp - 150/70 Pulse - 81/m Rf - 21/m Chest - Clear Ht - 5'8" Wt - 67 kg SpO2 - 96% Anemia - Nil	Fit					
Bp - 130/75 Pulse - 80/m Rf - 21/m Chest - Clear Ht - 5'8" Wt - 67 kg SpO2 - 96% Anemia - Nil	Fit					

12/2/78

15/02/78  
DR. R. K. SIKARIA  
Page No. - 5415

16/02/78  
DR. R. K. SIKARIA  
Page No. - 5415

15/02/78  
DR. R. K. SIKARIA  
Page No. - 5415

1. Separate page should be maintained for industrial worker  
 2. Entry with a slash should be made for each examination

# HEALTH

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

1. Serial No. in the Register of adult worker
2. Name of worker: Mr. Ankeesh Routra
3. Sex: Male
4. Date of Birth: 29.10.1947

Department works	Name of Employer Firm	Designation position occupation	Reason of abs or resignation	How hazardous, poisonous or by-product likely to be in contact to	Date of posting	Date of leaving factory or other work	Reason for absence per month or other work	Ailments	
								Signs and symptoms observed during examination	
1	2	3	4	5	6	7	8	9	10
Textile			Accident		18-01-52				
					2-05-52				
					11-09-52				
					19-03-52				

Notes - 1. Separate page should be maintained for individual worker  
2. Each page should be signed by the doctor in charge

# REGISTER

as amended vide Notification No. 1183-LW (R-59) dated 27th Nov. 1991

Examination and the results thereof		Examination made for work				Signature with Date of the Factory Medical Officer / the Consulting Surgeon
Height of man & weight thereof	Result Fit/Unfit	Period of Temporary suspension from the work	Reasons for such suspension	Date of returning to work for the work	Date of expiry of the Certificate	
10	11	12	13	14	15	16
Bp - 116/70 Pulse - 84/2 Chest - clear RR - 20/m HI - 5'4" WT - 60kg Anaemia - Nil Sg. Corp - B+	Fit					15-01-52
Bp - 120/80 Pulse - 81/m Chest - clear RR - 19/m HI - 5'4" WT - 60kg Anaemia - Nil Sg. Corp - B+	Fit					20-05-52
Bp - 114/72 Pulse - 80/m Chest - clear RR - 19/m HI - 5'4" WT - 60kg Anaemia - Nil Sg. Corp - B+	Fit					10-10-52
Bp - 100/80 Pulse - 80/m Chest - clear RR - 14/m HI - 5'4" WT - 63kg Anaemia - Nil Sg. Corp - B+	Fit					19-03-52

15-01-52  
DR. R. K. SARKAR  
Regt. No. - 5413

20-05-52  
DR. R. K. SARKAR  
Regt. No. - 5413

10-10-52  
DR. R. K. SARKAR  
Regt. No. - 5413

19-03-52  
DR. R. K. SARKAR  
Regt. No. - 5413

# HEALTH

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

1. Serial No. in the Register of adult worker:
2. Name of worker: **Ms. Jitendon Kumar Thakur**
3. Sex: **Male**      4. Date of Birth: **12.01.1953**

Department work	Name of Institution premises	Compensation prevailed earlier	Nature of job or occupation	Have maximum production or to produce items to be indicated in	Date of posting	Date of leaving regular or other work	Reason for discharge/ transfer to other work	Medical
								Signs and symptoms observed during examination
MIS			Manager		25.09.21			
					10.5.22			
					13.09.22			
					18.03.23			

Notes - 1. Separate page should be maintained for industrial accident  
2. Entry must be made in each examination

# REGISTER

as amended vide Notification No. 1183-LW-ER-491 dated 27th Nov. 1991

Examination and the results thereof		Examination after the work				Signature with firm of the Factory Medical Officer / the Consulting Surgeon
Height of work & Health observed	Pulse P.S./M.	Presence of Temporary subnormal than 944 work	Reasons for such subnormal	Date of discharge and date for next work	Date of leaving regular or other work	
10	11	12	13	14	15	16
Bp - 115/22 Pulse - 88/M Chest - clear R.R. - 14/M Height - 5.6 Weight - 63kgs Respiratory - AT Anemia - Nil						DR. R. K. SHARMA Regt. Medical Practitioner Regt. No. - 8415 18/09/22
Bp - 115/50 Chest - clear Pulse - 76/M R.R. - 14/M Height - 5.6 Weight - 64kgs Respiratory - Nil Anemia - Nil			Fit			DR. R. K. SHARMA Regt. Medical Practitioner Regt. No. - 8415 10/10/22
Bp - 118/50 Pulse - 76/M Chest - clear R.R. - 14/M Height - 5.6 Weight - 65kgs Respiratory - Nil Anemia - Nil			Fit			DR. R. K. SHARMA Regt. Medical Practitioner Regt. No. - 8415 13/10/22
Bp - 120/50 Pulse - 72/M Chest - clear R.R. - 14/M Height - 5.6 Weight - 65kgs Respiratory - Nil Anemia - Nil			Fit			DR. R. K. SHARMA Regt. Medical Practitioner Regt. No. - 8415 18/03/23

HEALTH

1. Serial No. in the Register of adult worker: \_\_\_\_\_  
 2. Name of worker: **Ms. Swarnap Das Gupta**  
 3. Sex: **Male** + Date of birth: **10.12.1977**

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

Department	Name of the worker	Employment certificate	Nature of job or occupation	How necessary, probable or the worker's duty to be observed to	Date of joining	Date of leaving to work in other work	Reason for discharge/ transfer to other work	Medical
1	2	3	4	5	6	7	8	9
SMS-LAB			Helper		08.09.21			
					20.09.22			
					13.09.22			
					18.09.22			

REGISTER

as amended vide Notification No. 1193-LW-18-191 dated 25th Nov. 1991

I. Description and the specific hazard		II. Assessment with the worker					Signature with date of the Factory Inspector (Class I) or Competent Person
Name of task & nature thereof	Period (Days)	Period of exposure with and from the work	Exposure to such substance	Date of sampling from unit for the work	Date of return to normal condition		
10	11	12	13	14	15	16	
Bp - 122/82 Pulse - 76/m Chest - clear RR - 14/m Height - 5'6" Weight - 72kg Anaemia - Nil SpO2 - 95%	Fit					<i>R. K. Sharma</i> 24/09/21 DR. R. K. SHARMA Regd. Medical Practitioner W.B. No. - 5415	
Bp - 120/80 Pulse - 74/m Chest - clear RR - 14/m Height - 5'6" Weight - 73kg Anaemia - Nil SpO2 - 95%	Fit					<i>R. K. Sharma</i> 20/09/22 DR. R. K. SHARMA Regd. Medical Practitioner W.B. No. - 5415	
Bp - 115/78 Pulse - 75/m Chest - clear RR - 14/m Height - 5'6" Weight - 73kg Anaemia - Nil SpO2 - 95%	Fit					<i>R. K. Sharma</i> 13/09/22 DR. R. K. SHARMA Regd. Medical Practitioner W.B. No. - 5415	
Bp - 116/78 Pulse - 72/m Chest - clear RR - 14/m Height - 5'6" Weight - 72kg Anaemia - Nil SpO2 - 95%	Fit					<i>R. K. Sharma</i> 13/09/22 DR. R. K. SHARMA Regd. Medical Practitioner W.B. No. - 5415	

1. This page should be maintained for record of worker  
 2. Each entry should be made for each examination



**HEALTH**

1. Serial No. in the Register of adult workers: [Prescribed under Rules 61 & 91 of The West Bengal Factories Rules, 1958]  
 2. Name of worker: **Mr. Rabin Bhadra**  
 3. Sex: **Male** 4. Date of Birth: **20.06.1988**

Department work	Name of hazardous process	Designated personnel operator	Nature of job or occupation	Have no marks, products or by-products which are to be exposed to	Date of posting	Date of re-visit to other work	Reason for discharge marks to other part	Medical
								Sign and symptoms observed during examination
SMS- LAB			chemist		08.05.21			
					18.05.22			
					15.03.22			
					05.05.22			

**REGISTER**

as amended vide Notification No. 1183-LW-9R-191 dated 27th Nov. 1971

No. 75

Observation and the results thereof		If discharged under the work			Signature with date of the Factory Medical Officer / the Certifying Surgeon	
Nature of tests & units thereof	Result Facts	Period of Temporary suspension from the work	Reasons for such suspension	Date of resuming the work for the first time		Date of issuing leave Certificate
08.05.21	Bp- 122/82 chest- clear Pulse- 88/m RR- 14/m height- 5'6" weight- 62kg Haemoglobin- Nil Blood group- O+	Fit				06/05/21 DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
18.05.22	Bp- 125/82 chest- clear Pulse- 76/m height- 5'6" weight- 62kg Haemoglobin- Nil Blood group- O+	Fit				18/05/22 DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
15.03.22	Bp- 118/80 chest- clear Pulse- 86/m height- 5'6" weight- 62kg Haemoglobin- Nil Blood group- O+	Fit				15/03/22 DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
05.05.22	Bp- 120/80 chest- clear Pulse- 78/m height- 5'6" weight- 62kg Haemoglobin- Nil Blood group- O+	Fit				15/05/22 DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415

1. Separate page should be maintained for individual worker

2. Fresh entry should be made for each examination

**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  
MOUZA:- NAKRAJORIA  
PO +PS :- SALANPUR  
DIST:- PASCHIM BARDHAMAN(W.B.)

Dear Sir,

AS PER YOUR WORK ORDER NO:- MSPLU-2/23-24/284 , DATED:-03/03/2023  
FOLLOWING PATIENTS TEST DONE.  
THE ENCLOSE FILE GIVEN AS AN ATTACHMENT

1. AMIT KR. SINGH
2. RAJ KUMAR MOURYA
3. SANKAR KR. GUPTA
4. RANJIT KUMAR YADAV
5. SAILENDRA KUMAR SINGH
6. BINOD KUMAR
7. RAJU PRASAD
8. BINAY
9. AMLESH KUMAR
10. DHARAMBEER KUMAR

*R. K. Sharma*  
**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  
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-03.03.2023**

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	AMIT KR SINGH	12.9	10,200	40	20	2	8	0	14	"B"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
2	RAJ KUMAR MOURYA	14.2	7,400	80	50	2	8	0	45	"O"+	SINUS RHYTHM	MILD RESTRICTION	WITHIN NORMAL LIMIT
3	SANKAR KR GUPTA	12.2	4,200	63	50	2	4	0	22	"O"+	SINUS RHYTHM	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
4	RANJIT KUMAR YADAV	15.4	9,500	70	50	0	2	0	20	"A"+	SINUS TACHYCARDIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
5	SAILENDRA KUMAR SINGH	13.1	11,400	70	39	0	1	0	10	"O"+	SINUS RHYTHM	MILD RESTRICTION	WITHIN NORMAL LIMIT
6	BINOD KUMAR	14.9	9,000	80	35	1	4	0	12	"B"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
7	RAJU PRASAD	13.8	7,500	70	30	0	0	0	5	"O"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
8	BINAY	13.5	6,300	66	40	1	8	0	10	"O"+	SINUS BRADYCARDIA	MILD RESTRICTION	WITHIN NORMAL LIMIT
9	AMLESH KUMAR	14.1	8,200	60	30	1	4	0	15	"O"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
10	DHARAMBEER KUMAR	13.2	8,700	51	40	0	0	0	12	"O"+	SINUS ARRHYTHMIA	MILD RESTRICTION	WITHIN NORMAL LIMIT

# 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  
MOUZA:- NAKRAJORIA  
PO +PS :- SALANPUR  
DIST:- PASCHIM BARDHAMAN(W.B.)

Dear Sir,

AS PER YOUR WORK ORDER NO:- MSPLU-2/23-24/284 , DATED:-08/03/2023  
FOLLOWING PATIENTS TEST DONE.  
THE ENCLOSE FILE GIVEN AS AN ATTACHMENT

1. PAWAN MONDAL
2. NIRBHAY NARAYAN YADAV
3. KARAN PANDIT
4. KOUSIK MONDAL
5. ANAND KUMAR
6. RANJAN KUMAR SINGH
7. SANJAY MANDAL
8. RAJESH KUMAR
9. BHAGIRATH PAL
10. PRADIP MONDAL


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  
MBBS, DMRD  
Consultant Radiologist

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

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

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-08.03.2023**

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	PAWAN MONDAL	14.2	6,700	70	20	0	0	0	8	"A"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
2	NIRBHAY NARAYAN YADAV	13.8	7,500	70	30	0	0	0	5	"O"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
3	KARAN PANDIT	13.6	8,600	60	60	0	4	0	15	"B"+	SINUS ARRHYTHMIA	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
4	KOUSIK MONDAL	11.3	8,300	50	30	0	0	0	10	"AB"+	SINUS ARRHYTHMIA	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
5	ANAND KUMAR	15.5	8,100	48	30	2	18	0	30	"B"+	SINUS RHYTHM	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
6	RANJAN KUMAR SINGH	14.3	10,500	46	20	0	0	0	6	"O"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
7	SANJAY MANDAL	14.2	6,700	70	20	0	0	0	8	"A"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
8	RAJESH KUMAR	12.1	9,000	80	35	0	2	0	10	"B"+	SINUS RHYTHM	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
9	BHAGIRATH PAL	14.0	5,200	70	23	2	5	0	6	"O"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
10	PRADIP MONDAL	12.9	10,200	40	20	2	8	0	14	"B"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT

# 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  
MOUZA:- NAKRAJORIA  
PO +PS :- SALANPUR  
DIST:- PASCHIM BARDHAMAN(W.B.)

Dear Sir,

AS PER YOUR WORK ORDER NO:- MSPLU-2/23-24/284 , DATED:-22/02/2023  
FOLLOWING PATIENTS TEST DONE.  
THE ENCLOSE FILE GIVEN AS AN ATTACHMENT

1. ASHIS MAHATO
2. ASHIS KOLEY
3. RAHUL DHANG
4. SATYAM THAKUR
5. SANTOSH KUMAR
6. AJIT KUMAR
7. PAWAN KUMAR RAVAT
8. SAHU SARVAN
9. MUNI LAL
10. SHRI RAM MANDAL

*Rishmani*  
**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  
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-22.02.2023

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	ASHIS MAHATO	14.9	8,200	60	30	1	4	0	15	"O"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
2	ASHIS KOLEY	15.6	6,100	65	40	2	12	0	8	"A"+	SINUS RHYTHM	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
3	RAHUL DHANG	12.2	10,500	46	20	0	0	0	6	"O"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
4	SATYAM THAKUR	13.7	8,300	50	30	0	0	0	10	"AB"+	SINUS ARRHYTHMIA	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
5	SANTOSH KUMAR	14.3	8,700	51	40	0	0	0	12	"O"+	SINUS ARRHYTHMIA	MILD RESTRICTION	WITHIN NORMAL LIMIT
6	AJIT KUMAR	13.1	9,500	70	50	0	2	0	20	"A"+	SINUS TACHYCARDIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
7	PAWAN KUMAR RAVAT	14.1	6,300	66	40	1	8	0	10	"O"+	SINUS BRADYCARDIA	MILD RESTRICTION	WITHIN NORMAL LIMIT
8	SAHU SARVAN	14.2	4,200	63	50	2	4	0	22	"O"+	SINUS RHYTHM	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
9	MUNI LAL	13.1	8,800	70	20	2	8	0	7	"A"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
10	SHRI RAM MANDAL	13.2	8,600	60	60	0	4	0	15	"B"+	SINUS ARRHYTHMIA	MODERATE RESTRICTION	WITHIN NORMAL LIMIT

# 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  
MOUZA:- NAKRAJORIA  
PO +PS :- SALANPUR  
DIST:- PASCHIM BARDHAMAN(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. AKHILESH KUMAR YADAV
2. MD. ASLAM ANSARI
3. SEKH JABIR HOSSAIN
4. PRATHAM MAHATO
5. MANAS DUTTA
6. SHIV RATAN PRAJAPATI
7. RAHUL RUJ
8. JAYPRATAP SINGH
9. BALRAM SHAW
10. DIPAK TEWARY

*Rishwan*  
**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  
MBBS, DNB, M.D (PATH)  
Consultant Pathologist

Verified by -  
Chief Technologist  
(Path)

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

Dr. Abhishek Ghosh  
MBBS, 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-13.02.2023

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	AKHILESH KUMAR YADAV	14.2	6,700	70	20	0	0	0	8	"A"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
2	MO ASLAM ANSARI	15.0	8,700	36	4	0	0	0	12	"O"+	INCOMPLETE RIGHT BUNDLE BRANCH BLOCK	MILD RESTRICTION	WITHIN NORMAL LIMIT
3	SEKH JABIR HOSSAIN	14.0	5,200	70	23	2	5	0	6	"O"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
4	PRATHAM MAHATO	15.5	8,100	48	30	2	18	0	30	"B"+	SINUS RHYTHM	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
5	MANAS DUTTA	12.9	10,200	40	20	2	8	0	14	"B"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
6	SHIV RATAN PRAJAPATI	14.1	8,200	60	30	1	4	0	15	"O"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
7	RAHUL RUJ	14.9	9,000	80	35	1	4	0	12	"B"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
8	JAYPRATAP SINGH	15.6	6,400	60	30	0	4	0	10	"O"+	SINUS RHYTHM	SEVERE RESTRICTION	MILD CARDIOMEGALY
9	BALRAM SHAW	14.2	7,400	80	50	2	8	0	45	"O"+	SINUS RHYTHM	MILD RESTRICTION	WITHIN NORMAL LIMIT
10	DIPAK TEWARY	13.1	11,400	70	39	0	1	0	10	"O"+	SINUS RHYTHM	MILD RESTRICTION	WITHIN NORMAL LIMIT

# BARAKAR X-RAY CLINIC & SCAN CENTRE

G. T. Road, Barakar-713 324, Phone : 0341-2520462

Working Hours :- 9 am. to 7 pm. daily

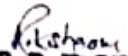
To  
THE MAITHAN STEEL & POWER LTD  
MOUZA:- NAKRAJORIA  
PO +PS :- SALANPUR  
DIST:- PASCHIM BARDHAMAN(W.B.)

Dear Sir,

AS PER YOUR WORK ORDER NO:- MSPLU-2/23-24/284 , DATED:-17/02/2023  
FOLLOWING PATIENTS TEST DONE.  
THE ENCLOSE FILE GIVEN AS AN ATTACHMENT.

1. ARUN SAHA
2. SAIKAT SAMANTA
3. RAHUL SINGH
4. RAJA KUMAR
5. VIVEK KUMAR
6. RAM MANOHAR KUSHWAHA
7. AMAR NATH KUMAR
8. PRASHANT KUMAR SAHANI
9. NITESH KUMAR PRASAD
10. CHANDAN SAMANTA

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

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

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  
MBBS, 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-17.02.2023**

SL.NO	NAME	BLOOD ANALYSIS									ECG	PFT	X-RAY (CHEST)
		HEMOGLOBIN (gm/dl)	WBC(CMM)	NEUTROPHIL (%)	LYMPHOCYTES (%)	MONOCYTES (%)	EOSINOPHILS (%)	BASOPHIL (%)	ESR(mm)	BLOOD GROUP			
21	ARUN SAHA	12.1	9,500	63	35	0	2	0	10	"B"+	SINUS RHYTHM	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
22	SAIKAT SAMANTA	10.3	6,300	70	30	0	0	0	10	"AB"+	SINUS ARRHYTHMIA	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
23	RAHUL SINGH	12.9	8,800	70	30	0	0	0	10	"A"+	SINUS RHYTHM	MILD RESTRICTION	WITHIN NORMAL LIMIT
24	RAJA KUMAR	14.2	8,600	60	35	1	4	0	12	"B"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
25	VIVEK KUMAR	15.0	8,200	70	23	2	5	0	6	"O"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
26	RAM MANOHAR KUSHWAHA	14.0	10,500	80	20	0	0	0	8	"A"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
27	AMAR NATH KUMAR	14.9	9,000	60	4	0	0	0	12	"O"+	INCOMPLETE RIGHT BUNDLE BRANCH BLOCK	MILD RESTRICTION	WITHIN NORMAL LIMIT
28	PRASHANT KUMAR SAHANI	15.6	5,200	65	30	1	4	0	15	"O"+	SINUS RHYTHM	MODERATE RESTRICTION	WITHIN NORMAL LIMIT
29	NITESH KUMAR PRASAD	12.2	7,500	46	40	2	12	0	8	"A"+	SINUS RHYTHM	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
30	CHANDAN SAMANTA	15.4	6,400	80	20	0	0	0	6	"O"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT

# 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  
MOUZA:- NAKRAJORIA  
PO +PS :- SALANPUR  
DIST:- PASCHIM BARDHAMAN(W.B.)

Dear Sir,

AS PER YOUR WORK ORDER NO:- MSPLU-2/23-24/284 , DATED:-27/02/2023  
FOLLOWING PATIENTS TEST DONE.  
THE ENCLOSE FILE GIVEN AS AN ATTACHMENT

1. KAMLESH CHAWHAN
2. JITENDRA SAH
3. BANBIR SINGH
4. SANJAY DAS
5. SANTOSH KUMAR
6. GOPI NATH HAZRA
7. ARVIND YADAV
7. PAWAN LOHAR
9. PANKAJ KR. RAVAT
10. MD. JALALUDDIN ANSARI

*R. K. Sharma*  
**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  
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 &amp; SCAN CENTER

TEST DONE ON-27.02.2023

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	KAMLESH CHAWHAN	12.9	10,200	40	20	2	8	0	14	"B"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
2	JITENDRA SAH	14.2	7,400	80	50	2	8	0	45	"O"+	SINUS RHYTHM	MILD RESTRICTION	WITHIN NORMAL LIMIT
3	BANBIR SINGH	12.2	4,200	63	50	2	4	0	22	"O"+	SINUS RHYTHM	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT
4	SANJAY DAS	14.3	10,500	46	20	0	0	0	6	"O"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
5	SANTOSH KUMAR	14.0	5,200	70	23	2	5	0	6	"O"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
6	GOPI NATH HAZRA	14.2	6,700	70	20	0	0	0	8	"A"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
7	ARVIND YADAV	14.0	5,200	70	23	2	5	0	6	"O"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
8	PAWAN LOHAR	14.2	6,700	70	20	0	0	0	8	"A"+	SINUS ARRHYTHMIA	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
9	PANKAJ KR. RAVAT	12.1	9,000	80	35	0	2	0	10	"B"+	SINUS RHYTHM	SEVERE RESTRICTION	WITHIN NORMAL LIMIT
10	MD JALALUDDIN ANSARI	11.3	8,300	50	30	0	0	0	10	"AB"+	SINUS ARRHYTHMIA	NORMAL SPIROMETRY	WITHIN NORMAL LIMIT



Annexure - XIII

# VISHAL K GUPTA & CO.

Chartered Accountants

Royal Commercial Complex, Beside SBI ATM, Neamatpur - 713359

Contact Number : (91) 8768920648, E-Mail - casumit1989@yahoo.com

Unique Document Identification Number (UDIN) for this document is : 22317052BDGVCX7071

## 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, AJC Bose Road, 6th Floor, Kolkata – 700 017 and Sponge Iron plant at P.O.: Bonra-723 121, P.S. Neturia, Dist.: Purulia (W.B) 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 & balance Budget F.Y. 2022-23 & 2023-24 by the company is hereunder:

(Rs. in Lakh)

ACTIVITY	CER Budget	Expenses Incurred	Balance Budget
		2021-22	2022-24
Sinking of new bore wells, pipelines in villages	45.00	--	35.00
Strengthening of villages approach roads, making drainages etc.	55.00	64.63	--
Electrification & Infrastructure Development of Surrounding Villages	10.00	--	10.00
Infrastructure developments & assisting school in other renovation job	20.00	20.80	--
Providing Tractors, dust bins and development of the dump yard.	15.00	--	15.00
Providing supports & awareness of local unemployed Peoples.	4.00	--	4.00
Miscellaneous Expenses	--	1.36	--
<b>Total:--</b>	<b>149.00</b>	<b>86.79</b>	<b>64.00</b>

Place: Neamatpur

Date: 16th of November, 2022

For Vishal K Gupta & Co.

Chartered Accountants

Firm Registration No.:327842E

(Sumit Agarwal)

Partner

Membership No.: 317052



## Annexure- XIV

<b>Recurring Cost Incurred on Environmental Safeguard</b>			
<b>Maithan Steel &amp; Power Ltd. (Unit-II)</b>			
<b>Year</b>	<b>Particulars</b>	<b>Narration</b>	<b>Amount</b>
Oct'22 - Mar'23	Green Belt Development	Maintenance, labour cost etc.	3,10,000
	House Keeping	Labour charges, Drainage Cleaning and other materials	7,39,200
	Analysis & Monitoring of Environmental Parameters	Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis	99,000
	O&M on APC Devices	Operation & Maintenance cost, Electricity consumption etc. on APC Device installed.	40,19,700
<b>TOTAL</b>			<b>51,67,900</b>

  
Manager  
Env. & Pollution Control

# ইত্যাদি

অন্যত্র প্রকাশিত  
বিমান মাসিক  
সংস্করণ  
তারিখ: ১৫/০৫/১৯  
পৃষ্ঠা: ৩৩  
মুদ্রিত: ১৯/০৫/১৯

### জন্মদিন



জন্মদিনের শুভেচ্ছা  
আজ: ১২.৬.১৯৩৯  
বাংলা: ২.৭.২০১৯  
কৃতি বাবা স্বর্গীয় লক্ষ্য  
পিতার জন্ম এদিনও  
বহুদিন বেঁচে তোমার কৃতি  
দিয়ে। হেতুসমূহিনা-  
অনুগ্রহ (শ্রী) মনিকা  
(কিনা), প্রবীর (আমতা)  
স্বর্গীয় (সোমিতা),  
স্বর্গীয় (শ্রী) শশী  
(শ্রী) মোহন। বোম পরিবার  
উত্তরপত্র, ১০১৯

### নাম পরিবর্তন

This is for information that I, Bimal Kumar Ghoshal/s/o Dwijendra Lal Ghoshal, declared vide affidavit No. 19/19 dated 28.05.2019 that my name is wrongly mentioned in my Navy Service Book (Navy Ex-Sea - 1, 94636 H) as Bimal Krishna Ghoshal in place of Bimal Kumar Ghoshal (As mentioned in my Aadhar, Voter and Pan Card). Both are one and same identical person only.

### আবেদন

A+ কিতনি চাই,  
প্রকৃতনাম পরিচয়পত্র সহ  
সব্বর যোগাযোগ করুন, ২৪  
ঘন্টারে মহিলায় জন্য।  
Mobile: 8420441081  
1221124 2887722  
আমাদের A+ O+ গ্রুপের  
একটি কিতনি প্রয়োজন।  
কইনাম অ পনারা  
যোগাযোগ করুন, সমস্ত  
ডকুমেন্টস নিয়ে আসবেন,  
বয়স 26 থেকে 42 চলবে।  
M-7872500282  
2887716 2888877  
O+ / B+ blood group  
এর সঠিক পরিচয় পত্রসহ  
কিতনি দাতা চাই।  
7449440841.  
1221124 2888822

### স্মৃতি উদ্দেশ্যে

“বন্ধু হে আমার রয়েছ দাঁড়ায়ে”

আশিস সেনগুপ্ত  
১৪.০১.১৯৫১ - ১২.০৬.২০১৮

রুমকি (সুন্দেফা), বিহ (অর্ঘা),  
বুলু (সুনিয়া), মা (পদ্মা),  
ধ্বনি, শুভিত (অনুরাধা),  
সাত্তিক ও চাকলু (শৌনকজিৎ)

### তিরোক্ষমা

রবীন্দ্রনাথ নাথ (75)  
শ্যামবর্ণ, পরগে ছিল নিল  
রওব মুসি হাফ হাতা জানা।  
কথা বলতে পাবেন না।  
সকাল পেলে দমা করে  
যোগাযোগ করুন-  
9231611723/ 8585862841  
1018994 2888822

### জাতি

This is for the information of public that M/s Maithan Steel & Power Ltd, located at - Nakrajoria, PS - Salanpur, Dist. - Burdwan(W), has been granted Environmental Clearance from Ministry of Environment, Forest & Climate Change, Government of India, vide letter No: J-11011/597/2008-IA-II(I), dated 16th April, 2019 for expansion of its steel production capacity from 1,35,000 TPA to 3,75,000 TPA, Rolling mill capacity from 90,000 TPA to 2,97,000 TPA and to set up Cold Drawing Workshop of 33,000 TPA. Copies of clearance letter are available with Heads of local bodies, Panchayats and Municipal bodies and may also be seen <http://environmentclearance.nic.in/>

তোমার সৎ, নিভীক জীবন  
হোক আমাদের পাথের

রাজনৈতিক বিশ্লেষক  
অধ্যাপক  
ডঃ অমিয় চৌধুরীর  
প্রয়াণের (১২/৬/১৮)  
প্রথম বর্ষে  
শুগমুঞ্চ সুহৃদ ও  
পরিবারবর্গ

শ্রীমতী শ্রীমতী সুন্দরাপাধ্যায়  
আদিতম জন্মদিনে আমাদের প্রণাম।  
দিদি পিছু  
মানু রাজাবাবু সুছ  
দশহরা। ২৮শে জ্যৈষ্ঠ, ১৪২৬

শ্রীমতী ভারতী বসু শরণো  
“মরণে হাসি মুগি, কীসিবে  
তোমার সোনার সংসার, হাম  
আয় কি কখনো ফিরে পার  
সে জীবন”- শ্রী শিবব্রত বসু,  
ঘোলা।

### শোকসংবাদ

আমরা শরীর দুঃখের সঙ্গে জানাজি যে,  
স্নেহমা শুভঠাকুরতা  
১৪.৩.১৯৩৯, সোমবার,  
নিত্য বাসভবন ৩৮, বাগীচগঞ্জ রোড,  
কলকাতা-১৯-এ পরলোকগমন  
করেছেন।  
আগামী ১৭ জুন ২০১৯ পরিবার  
সময়-সকাল ১০টা - ১টা  
শ্রী ঠেতনা রিসার্চ ইনস্টিটিউট,  
৭০বি রাসবিহারী এডিনিট,  
কলকাতা-২৬-এ ঠাঁর  
পারম্পরিক শ্রদ্ধা সম্পন্ন হবে।  
আপনার উপস্থিতি প্রার্থনীয়।

শোকসংগৃহ- অমিত, হারন (পুত্রস্বয়), শ্রমশা (কন্যা)  
ও শুভঠাকুরতা পরিবার

বহুদিন হইবে যে আমার মরণ  
শ্রী সুভদ্রা বসু, শ্রীমতী প্রভাৎ কলক  
শ্রীমতী সন্তান - ১৮/২, কলিকাতা  
বেঙ্গল, বনা: কলিকাতা, কলকাতা:  
৭০০০১৯-এ নিউ হাইও  
আসিনুর ২৪ পরলোক সম্ব-  
বেষ্টিতের অন্তিম ক্রিয়াক্রম  
১৯৬৯ হইবে না ২৬৬৯ হইবে বই  
না ১, কলিকাতা ১২, পৃষ্ঠা ১২০-  
১৩১ সফলিত ২৪.০৩.১৯৬৯  
কলিকাতা ২৬-এ ইনজন্ম মক শ্রদ্ধ  
পেত্রা শ্রদ্ধা: জেনার বাজি কৃত  
কলিকাতা পাইক শ্রদ্ধা  
নিরঙ্কলভের সঠিক যোগাযোগ  
করুন:

সমস্ত শ্রদ্ধ  
আজ্ঞাজ্ঞেষ্ঠ  
ফোন: ৯০০৭৯৮৯৯৯  
ইমেইল santanuary@gmail.com

ব্যক্তিগত বিজ্ঞাপনের জন্য যোগাযোগ করুন  
9831133455 • 9614115115



# The Telegraph CLASSIFIED

**The Telegraph**  
**AIR SURCHARGE**  
 TRIPURA, IMPHAL, COO  
 MUMBAI AND BEYOND  
 300 DELHI AND  
 BEYOND, CHENNAI  
 AND BEYOND  
 BANGALORE  
 PORT BLAIR 700

To book advertisements  
 in The Telegraph  
 Classified for  
 Sunday 16.06.2019  
 please call  
 Calcutta: 9830991819  
 Outside Calcutta  
 + 8017745199

## IN MEMORIAM

One year on, the memories are  
 only more vivid.  
 You will be in our thoughts and  
 conversations, always.



**Asish Sengupta**  
 14.01.1951 - 12.06.2018

Rumki (Sudeshna), Bimbo (Arghya)  
 Bulu (Sumitra), Ma (Padma)  
 Dhvani, Guddi (Anuradha)  
 Sartick and Chaklu (Shaunakjeet).

## OBITUARY

With profound sorrow, we wish to  
 inform you the sad demise of  
**Smt. Ruma Guha Thakurta**  
 on Monday 3rd June 2019  
 at her residence  
 38 Ballygunge Place, Kolkata 19  
 Her Shradh Ceremony  
 will be held on  
 Sat 15th June 2019  
 Time 10 am to 1 pm at  
 Sri Chaitanya Research  
 Institute, 70B Rashbehari  
 Avenue, Kolkata 26.

Deeply mourned by sons Amit, Ayan &  
 daughter Sromona and Guha Thakurta family.  
 Please join us in our prayers

## Disclaimer

This newspaper  
 does not vouch  
 or subscribe to  
 the claims and  
 representations  
 made by the  
 advertisers. Readers  
 are advised to  
 make appropriate  
 enquiries before  
 acting upon any  
 advertisement.

## NOTICE

This is for the  
 information of public that  
 M/s Maithan Steel &  
 Power Ltd, located at -  
 Nakrayona, PS -  
 Balanpur, Dist -  
 Burdwan(W), has been  
 granted Environmental  
 Clearance from Ministry  
 of Environment, Forest &  
 Climate Change,  
 Government of India,  
 vide letter No:  
 J-1101/1697/2008-IA-  
 II(O), dated 16th April,  
 2019 for expansion of its  
 steel production capacity  
 from 1,35,000 TPA to

3.75,000 TPA. Rolling  
 mill capacity from 90,000  
 TPA to 2,07,000 TPA and  
 to set up Cold Drawing  
 Workshop of 1,00,000 TPA.  
 Copies of clearance letter  
 are available with Heads  
 of all sections.  
 Plans, layouts and  
 Municipal bodies and  
 may also be seen at  
<http://www.mstpl.com>  
 clearance no: 197

Mr. Santanu Singh, Advocate,  
 Ph: 9007081425  
 E-Mail: santanuvd@synhoo.in

Please note that the  
 lease dated 24.05.1992  
 bearing Book No. 10  
 Volume No. 2284 for the year 1992  
 registered with the office  
 of Sub-Registrar, Alipore,  
 24 Park Road, is found lost  
 from my client, Sri P. G. G.  
 SRIMAL, son of late Jagal  
 Srimal, residing at 102  
 Garahat Road, Police  
 Station Garahat, Kolkata 700  
 015. Any one if finds the  
 said deed please contact  
 the undersigned.

Santanu Singh  
 Advocate  
 Ph: 9007081425  
 E-Mail: santanuvd@synhoo.in

## TENDER

**ULUBERIA MUNICIPALITY**  
 Uluberia, Howrah  
 Email:  
[uluberia.municipality@gmail.com](mailto:uluberia.municipality@gmail.com)  
 Tender Notice  
 Notice Inviting Tender  
 NIT-UM/MD/UM/  
 04/Tender/2019-20  
 dated 10.06.2019 for  
 Purchase of DI Pipe  
 Details are available at  
[www.uluberia.municipality.org](http://www.uluberia.municipality.org)

Executive Officer  
**E-TENDER**  
 Secretary, Purba  
 Medinipur Zilla P.M.U.  
 invites Tender for supply  
 of development project  
 ID: 2019-WBS/10-  
 227065-1/227104-1/  
 227114-1/227121-1/  
 227125-1/227127-1.  
 Closing on 03/07/2019 at  
 12.00 Noon. Please visit  
[wb-tenders.gov.in](http://wb-tenders.gov.in)  
 (through Org. & Arch.  
 West Bengal State  
 Marketing Board) for  
 further details.

### Notice Inviting Quotation

Consultancy Services for conducting Feasibility Study & Subsequent preparation of DPR for the Projects:

- 1) Construction of flyover from junction of A.J.C. Bose Road with Alipur Road near Alipore Zoo to Tollygunge Tram Depot near Tolly Club through the Tolly Canal, in Kolkata, West Bengal.  
**Tender ID: 2019\_SII\_227188\_1**  
**Tender Reference Number: NIQ-01/2019-20/E/SHPD-I PWR(D)TE**
- 2) Construction of flyover from Soujanya to Ballygunj Phari through Hazra Road with three arms (A) towards Rashbehari More at S.P. Mukherjee Road Crossing, (B) towards Dshapriya Park at Sarat Bose Road Crossing & (C) towards National Library near Bekar Road and Belvedere Road in Kolkata, West Bengal.  
**Tender ID: 2019\_SII\_227521\_1**  
**Tender Reference Number: NIQ-02/2019-20/E/SHPD-I PWR(D)TE**

Tender documents are available in the website of <https://wb-tenders.gov.in>

Sd/-  
**Executive Engineer Southern Highway Planning Division-I P.W.(Roads) Directorate**  
 DICO/S24PGS/3515  
 Dt-11.06.2019

### ABRIDGED NOTICE INVITING e-TENDER

WBI/SEWC-III/NIT-01e/2019-20

Superintending Engineer, Western Circle-III invites of online tender for 13 (thirteen) nos. civil works in Block, Kolaghat, Panskura, Pataspur-I & II, Ramnagar-I in District Purba Medinipur and under this Circle. A.P.T. ranging from 49.74 lakh to Rs. 406.81 lakh. Tender forms and other details may be obtained from the departmental website [www.wbiwd.gov.in](http://www.wbiwd.gov.in) and <http://tender.wb.nic.in> (direct site) Last date of submission of e-bid online is 04.07.2019 upto 17.00 hrs.

[Sd/- G.P. Ghosh]  
 Superintending Engineer  
 Western Circle-III, I&W Div  
 Tamluk, Purba Medinipur

### কলিকাতা পোর্ট ট্রাস্ট KOLIKATA PORT TRUST HALDIA DOCK COMPLEX

#### NOTICE INVITING APPLICATION

RFQ/Tender No.: GM/Engg/T-47/2019-2020 for "Mechanization of Berth No.3 on Design, Build, Finance, Operate, Transfer (DBFOT) basis" at Haldia Dock Complex for a concession period of thirty (30) years." Estimated Cost: Rs 331.94 Crores.

The schedule of different activities till submission of the applications is as under:

1	Download period of RFQ Document	From 11.06.2019 at 10.00 hrs
2	Last date of receiving queries regarding RFQ	17.00 hrs on 05.07.2019
3	Date of Pre-Application Conference	11.00 hrs on 10.07.2019
4	Authority response to queries latest by	17.30 hrs on 17.07.2019
5	Last date of submission of RFQ Applications	Upto 15.00 hrs on 25.07.2019
6	Date of Opening of RFQ Application	After 15.30 hrs on 25.07.2019

Note: Any updation/amendment in the RFQ will be uploaded on the Authority's website only viz. <http://kolkataporttrust.gov.in>

To book advertisements  
 in The Telegraph  
 Classified for  
 Sunday 16.06.2019  
 please call:  
 Calcutta + 7041100205  
 Outside Calcutta  
 + 9614115115

**STATE HEALTH & FAMILY WELFARE SOCIETY TRIPURA (NATIONAL HEALTH MISSION)**  
 Request for Proposal  
 Tender Ref: No.F304-81-PLAN/DHS-2006/Val.-N(SUB)  
 Dated 06/06/2019  
 Request for Proposal For  
 Teleophthalmology Services

5  
 T  
 Rec (RF from exp firm Tele Serv Date Tele Con-The cond docu avat e-pr port: trip: The subn only- 17.00 For: the f bear corn e-pr port: prog: req: them: the e port:  
 D  
 ME  
 T  
 ENGI  
 DIV  
 C  
 I  
 S  
 Invest-  
 Press-  
 BSLI  
 Date:  
 File:  
 wader  
 Pass-  
 State  
 work  
 Supp-  
 Kath-  
 Made-  
 India-  
 Road-  
 vnder  
 and  
 TPO  
 With-  
 1700  
 Mon-  
 Time-  
 office-  
 Date:  
 2019  
 Form-  
 visit-  
 I tend-  
 Gok-  
 ICA-C  
 2019-20  
 ADV  
 THE W:  
 Unive-  
 Trains  
 Plann  
 Admir  
 19. On  
 applic-  
 to B.E  
 Visit L  
 (www,  
 details  
 102272-