

File No: MSPL2 /Env Compl / December'23

Date: 30.11.2023

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

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

References: EC No: J-11011/679/2008-IA. II (I) dated 16th April 2019 with amended dated 14th October 2019.

Respected Sir / Madam (s),

With respect to the above subject, we are hereby submitting the six monthly compliance reports period from April'2023 to September'2023 for Environment Clearance (EC) vide letter No: J-11011/679/2008-IA. II (i) dated 16th April 2019 with amended dated 14th October 2019 for Expansion of Steel Melting Shop (IF with LRF & 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.

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

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CIN: U27102WB2001PLC093321

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

🌐 www.maithansteel.com

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

☎ 8651540007

Enclosures:

1. Compliance Report for EC
2. Copy of OCEMS Data from April '2023 to September '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 Pre – Monsoon Ground Water Report as Annexure – VI
8. Copy of STP Effluent Water Analysis Report as Annexure – VII
9. Copy of Drinking Water Quality Report as Annexure – VIII
10. Copy of Ambient & Work Zone Noise Quality Monitoring Report as Annexure – IX
11. Copy of Heat Stress Analysis Report as Annexure – XI
12. Copy of Occupational Health Report as Annexure – X
13. Copy of CER Cost as Annexure – XII
14. Recurring Cost Detail as Annexure – XIII
15. News Paper Advertisement as Annexure – XIV



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

April'2023 - September '2023



Half Yearly Compliance Report

On

Environmental Clearance Conditions

(MoEFCC letter Ref. No: J-11011/679/2008-IA-II(I) Dated 16.04.2019 Amended Dated 14.10.2019)

Period : April, 2023 – September, 2023

Submitted By :

M/S Maithan Steel & Power Limited

At, Vill – Nakrajoria, PO & PS /Tehsil – Salanpur

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 Bardhaman, 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 : April, 2023 to September, 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 surface water 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:

I. Statutory Compliance		
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 3,75,000 TPA SMS (3x20T, 4x15T IF & CCM), 2,97,000 TPA Rolling Mill (1x300 & 1x600 TPD) & 33,000 TPA Cold Drawing Workshop (1x100 TPD) dated 02.08.2023 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.



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 style="text-align: center;">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 th May 2008 as amended from time to time; S.O. 3305(E) dated 7 th 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 & 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 (April, 2023 to September, 2023) is attached as Annexure- I.</p> <p>Stack Emission is monitored at 4x15T IF & 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 September, 2023.</p> <p>Stack Emission Report is attached as Annexure- II.</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 style="text-align: center;">Agreed & complied.</p> <p>Fugitive Emissions are monitored Near Raw Material Shed, Near SMS Area, Near Rolling Mill Area, Gate No-1 & 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 September, 2023.</p> <p>Fugitive Emission Report is attached as Annexure- III.</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., PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x 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 style="text-align: center;">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&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 & 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 September, 2023.</p> <p>AAQM Reports are attached as Annexure– IV.</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&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.</p>	<p style="text-align: center;">Already complied.</p> <p>The 24x7 OCEMS data, manual Stack Monitoring report, Ambient Air Quality & 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 style="text-align: center;">Agreed & already complied.</p> <p>Existing SMS (4x15T IF & 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 & transfer points for controlling fugitive emission. The dust from APC devices are collected and reused in the process.</p> <p>Movable water sprinkling tanker & 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.	<p>The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better functioning of bag houses.</p>	<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.	<p>Provide Pollution Control system in the sponge iron plant as per CREP Guidelines of CPCB.</p>	<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 Annexure- V.</p>
viii.	<p>Sufficient number of mobile or stationary vacuum cleaners shall be provided to clean plant roads shop floors, roofs, regularly.</p>	<p>Already Being complied with.</p> <p>Road Sweeper Machine and Indoor Vacuum Cleaners are available at our factory.</p>
ix.	<p>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>	<p>Not Applicable.</p> <p>Iron ore, coal or coke are not used in the process for the current operational plant.</p>
x.	<p>The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation;</p>	<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.	<p>Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.</p>	<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>



III. Water quality monitoring and preservation		
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 th May 2008; S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (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 & 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 & three outside village areas; by NABL accredited laboratory. Analysis Report of September'23 is enclosed as Annexure- VII.</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 & Effluent Water is being monitored on regular basis by WBPCB/ MoEF&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 September, 2023.</p> <p>Effluent Water Analysis Reports of STP inlet & STP outlet are attached as Annexure- VIII and the Drinking Water Analysis Reports are attached in Analysis Report as Annexure- IX.</p>
iv.	Adhere to 'Zero Liquid Discharge'.	<p style="text-align: center;">Already being complied with & 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) & 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.	<p style="text-align: center;">Already Being complied with.</p> <p>We installed 100 KLD STP for treating the domestic waste water and it is working properly according to submitted analysis report.</p>
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.	<p style="text-align: center;">Agreed and complied.</p> <p>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.</p>
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.	<p style="text-align: center;">Already being complied with.</p> <p>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.</p>

IV. Noise monitoring and prevention

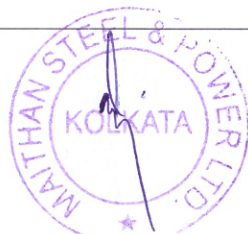
i.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the ministry as a part of six-monthly compliance report.	<p style="text-align: center;">Noted & already being complied with.</p> <p>Noise Monitoring is being done 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 September, 2023.</p> <p>The Ambient & Work Zone Noise quality monitoring reports are attached in Analysis Report as Annexure- X.</p>
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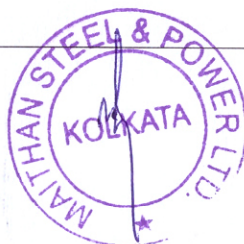
ii.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time to 70 dB(A) during night time.	Ambient Noise in day and night time are within norms as per submitted analysis report.
V. Energy conservation measures		
i.	The project proponent 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.
VI. Waste management		
i.	Used refractories shall be recycled as far as possible.	Used refractories are being sold out to refractory units for recycle.
ii.	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 2022-23 financial year) to the West Bengal Pollution Control Board (WBPCB). The same will be submitted to WBPCB for the financial year 2023-24.
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.



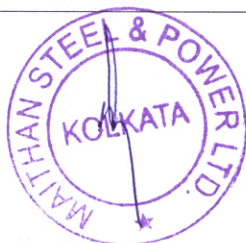
VII. Green Belt		
i.	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	<p>33% of total area i.e. 10.27 ha has been earmarked for green belt development.</p> <p>In the financial year (2021-22), there was 3597 no. trees inside the plant premises and in the financial year (2022-23), 1591 no. of trees are planted to complete the green belt mentioned in EC. Total existing trees are around 10750 till date.</p> <p>To speed up the green belt development work additional dedicated manpower has been deployed.</p>
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 Annexure- XI .
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.	<p>Already being complied with.</p> <p>Occupational health surveillance of the workers is being periodically accessed and records are being maintained as per the Factories Act 1948.</p>



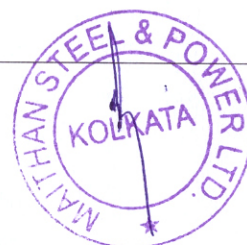
IX. Corporate Environment Responsibility		
i.	The project proponent shall comply with the provisions contained in this Ministry's Om vide F. No. 22-65/2017-IA.III dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility.	The cost incurred in CER is being carried out for social development and welfare measures in the surrounding villages. The CER detail is attached as Annexure- XIII .
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 Annexure- XIV .
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 Annexure- V .
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 Annexure- XV .
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 ₁₀ , PM _{2.5} , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Noted & already being complied with. The management of MSPL (M/s. Maithan Steel & Power Limited) is monitoring criteria pollutants level namely; PM ₁₀ , PM _{2.5} , SO ₂ , NO _x (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. MSPL2/ENV_Statement/2023-24 dated 05.09.2023 and the same will be submitted for the financial year (2023-24) before Sep'24. 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.

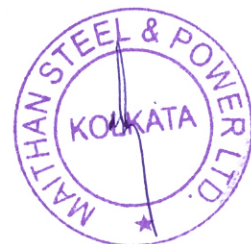


xiii.	The ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed.
xiv.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The Project authorities should extend 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.



ANNEXURE – I

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



Maithan Steel & Power Ltd (Unit II) Stack_1_Induction Furnace_Maithan-U-2_Salanpur

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

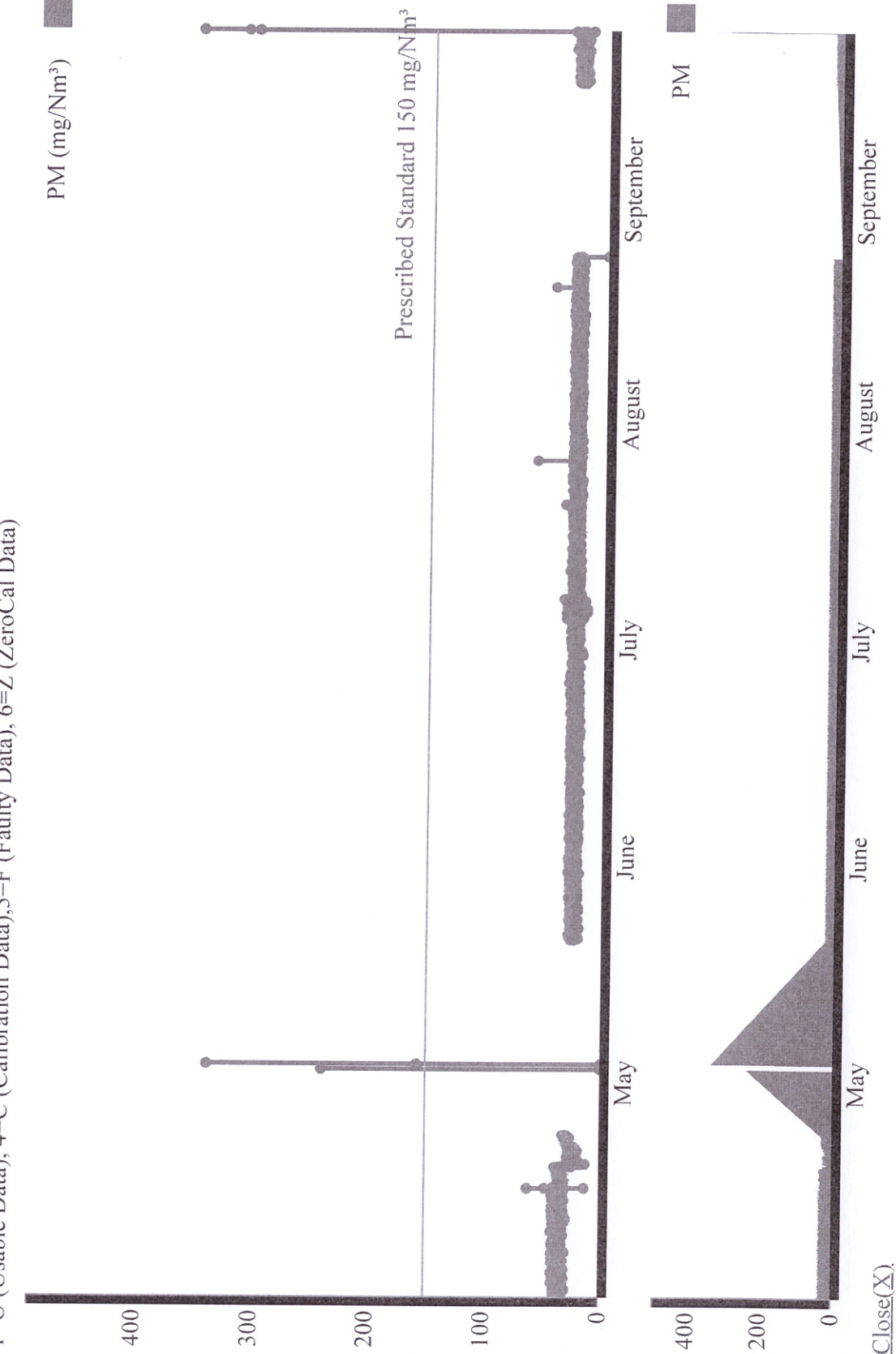
Start Date - 2023-04-01

End Date - 2023-09-30

Average - 15 minutes

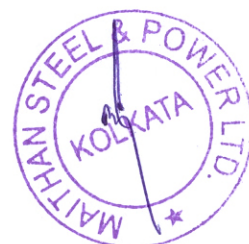
Please wait ..

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



Stack_1 _Induction Furnace_Maithan-U-2_ Salanpur - Live:01/Apr/2023 - 30/
Sep/2023

Timestamp	SPM(mg/Nm3)
01-Apr-2023 00:00	35.56
02-Apr-2023 00:00	35.2
03-Apr-2023 00:00	35.51
04-Apr-2023 00:00	35.31
05-Apr-2023 00:00	35.55
06-Apr-2023 00:00	35.69
07-Apr-2023 00:00	35.47
08-Apr-2023 00:00	35.97
09-Apr-2023 00:00	35.91
10-Apr-2023 00:00	35.52
11-Apr-2023 00:00	35.44
12-Apr-2023 00:00	35.57
13-Apr-2023 00:00	35.38
14-Apr-2023 00:00	35.84
15-Apr-2023 00:00	35.71
16-Apr-2023 00:00	34.32
17-Apr-2023 00:00	32.63
18-Apr-2023 00:00	33.94
19-Apr-2023 00:00	27.77
20-Apr-2023 00:00	24.66
21-Apr-2023 00:00	22.16
22-Apr-2023 00:00	25.57
23-Apr-2023 00:00	29.01
24-Apr-2023 00:00	
25-Apr-2023 00:00	
26-Apr-2023 00:00	
27-Apr-2023 00:00	
28-Apr-2023 00:00	
29-Apr-2023 00:00	
30-Apr-2023 00:00	
01-May-2023 00:00	
02-May-2023 00:00	119.91
03-May-2023 00:00	40.98
04-May-2023 00:00	
05-May-2023 00:00	
06-May-2023 00:00	
07-May-2023 00:00	
08-May-2023 00:00	
09-May-2023 00:00	
10-May-2023 00:00	
11-May-2023 00:00	
12-May-2023 00:00	
13-May-2023 00:00	
14-May-2023 00:00	



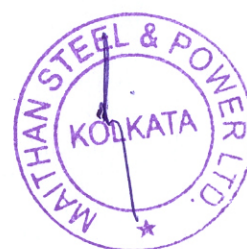
Timestamp	SPM(mg/Nm3)
15-May-2023 00:00	
16-May-2023 00:00	
17-May-2023 00:00	
18-May-2023 00:00	
19-May-2023 00:00	
20-May-2023 00:00	23.51
21-May-2023 00:00	24.84
22-May-2023 00:00	24.46
23-May-2023 00:00	24.64
24-May-2023 00:00	24.61
25-May-2023 00:00	24.94
26-May-2023 00:00	24.87
27-May-2023 00:00	24.67
28-May-2023 00:00	24.86
29-May-2023 00:00	25.1
30-May-2023 00:00	24.6
31-May-2023 00:00	25.05
01-Jun-2023 00:00	25
02-Jun-2023 00:00	24.78
03-Jun-2023 00:00	24.61
04-Jun-2023 00:00	24.74
05-Jun-2023 00:00	25.01
06-Jun-2023 00:00	24.91
07-Jun-2023 00:00	24.55
08-Jun-2023 00:00	24.82
09-Jun-2023 00:00	24.81
10-Jun-2023 00:00	25.06
11-Jun-2023 00:00	24.94
12-Jun-2023 00:00	24.8
13-Jun-2023 00:00	24.5
14-Jun-2023 00:00	25.05
15-Jun-2023 00:00	25
16-Jun-2023 00:00	24.8
17-Jun-2023 00:00	24.78
18-Jun-2023 00:00	24.95
19-Jun-2023 00:00	24.6
20-Jun-2023 00:00	24.9
21-Jun-2023 00:00	24.63
22-Jun-2023 00:00	25
23-Jun-2023 00:00	24.95
24-Jun-2023 00:00	24.87
25-Jun-2023 00:00	24.99
26-Jun-2023 00:00	25.05
27-Jun-2023 00:00	24.67
28-Jun-2023 00:00	24.56
29-Jun-2023 00:00	24.71
30-Jun-2023 00:00	24.62



Timestamp	SPM(mg/Nm3)
01-Jul-2023 00:00	24.65
02-Jul-2023 00:00	24.87
03-Jul-2023 00:00	24.84
04-Jul-2023 00:00	24.43
05-Jul-2023 00:00	24.6
06-Jul-2023 00:00	24.89
07-Jul-2023 00:00	24.76
08-Jul-2023 00:00	24.86
09-Jul-2023 00:00	24.58
10-Jul-2023 00:00	24.82
11-Jul-2023 00:00	25
12-Jul-2023 00:00	24.5
13-Jul-2023 00:00	24.93
14-Jul-2023 00:00	25.01
15-Jul-2023 00:00	24.82
16-Jul-2023 00:00	24.58
17-Jul-2023 00:00	24.7
18-Jul-2023 00:00	24.98
19-Jul-2023 00:00	24.97
20-Jul-2023 00:00	24.52
21-Jul-2023 00:00	24.76
22-Jul-2023 00:00	24.75
23-Jul-2023 00:00	24.98
24-Jul-2023 00:00	24.9
25-Jul-2023 00:00	24.84
26-Jul-2023 00:00	24.79
27-Jul-2023 00:00	24.2
28-Jul-2023 00:00	24.67
29-Jul-2023 00:00	24.42
30-Jul-2023 00:00	24.76
31-Jul-2023 00:00	24.75
01-Aug-2023 00:00	24.55
02-Aug-2023 00:00	24.93
03-Aug-2023 00:00	24.7
04-Aug-2023 00:00	24.46
05-Aug-2023 00:00	24.8
06-Aug-2023 00:00	24.97
07-Aug-2023 00:00	24.64
08-Aug-2023 00:00	24.55
09-Aug-2023 00:00	24.54
10-Aug-2023 00:00	24.89
11-Aug-2023 00:00	24.72
12-Aug-2023 00:00	24.3
13-Aug-2023 00:00	24.71
14-Aug-2023 00:00	24.67
15-Aug-2023 00:00	24.78
16-Aug-2023 00:00	24.75



Timestamp	SPM(mg/Nm3)
17-Aug-2023 00:00	24.66
18-Aug-2023 00:00	24.61
19-Aug-2023 00:00	24.87
20-Aug-2023 00:00	24.81
21-Aug-2023 00:00	24.74
22-Aug-2023 00:00	23.63
23-Aug-2023 00:00	
24-Aug-2023 00:00	
25-Aug-2023 00:00	
26-Aug-2023 00:00	
27-Aug-2023 00:00	
28-Aug-2023 00:00	
29-Aug-2023 00:00	
30-Aug-2023 00:00	
31-Aug-2023 00:00	
01-Sep-2023 00:00	
02-Sep-2023 00:00	
03-Sep-2023 00:00	
04-Sep-2023 00:00	
05-Sep-2023 00:00	
06-Sep-2023 00:00	
07-Sep-2023 00:00	
08-Sep-2023 00:00	
09-Sep-2023 00:00	
10-Sep-2023 00:00	
11-Sep-2023 00:00	
12-Sep-2023 00:00	
13-Sep-2023 00:00	
14-Sep-2023 00:00	
15-Sep-2023 00:00	22.99
16-Sep-2023 00:00	23.06
17-Sep-2023 00:00	22.89
18-Sep-2023 00:00	22.79
19-Sep-2023 00:00	22.64
20-Sep-2023 00:00	23.13
21-Sep-2023 00:00	22.69
22-Sep-2023 00:00	56.53



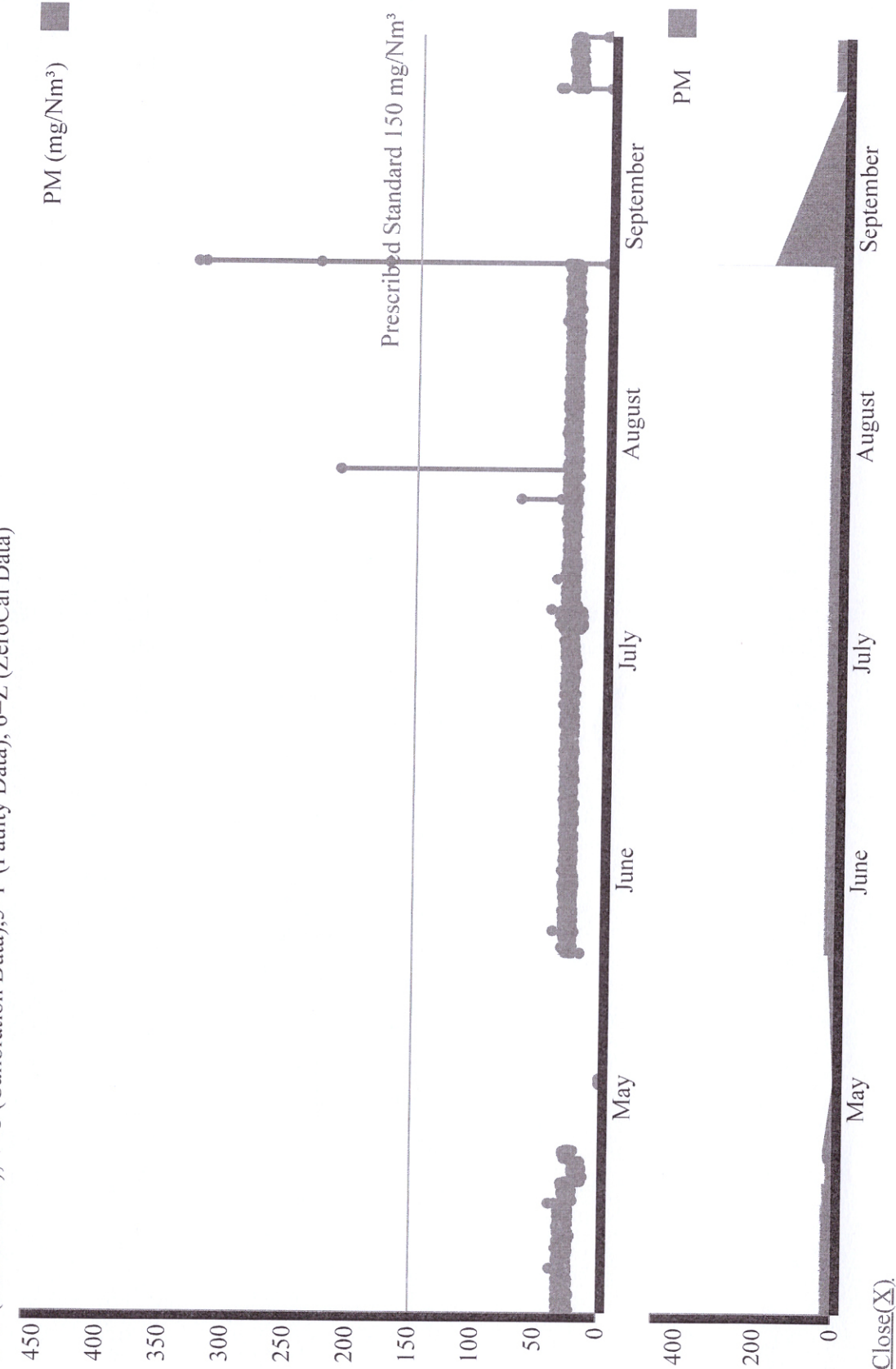
Maithan Steel & Power Ltd (Unit II) Stack_2_InductionFurnance_03x20TPH

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

Start Date - 2023-04-01
End Date - 2023-09-30
Average - 15 minutes

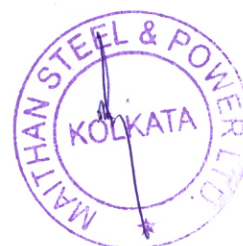
Please wait ...

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



Stack_2_InductionFurnance_03x20TPH - Live:01/Apr/2023 - 30/Sep/2023

Timestamp	SPM(mg/Nm3)
01-Apr-2023 00:00	27.62
02-Apr-2023 00:00	27.33
03-Apr-2023 00:00	27.47
04-Apr-2023 00:00	27.74
05-Apr-2023 00:00	27.35
06-Apr-2023 00:00	27.68
07-Apr-2023 00:00	27.35
08-Apr-2023 00:00	28.17
09-Apr-2023 00:00	27.76
10-Apr-2023 00:00	27.58
11-Apr-2023 00:00	27.35
12-Apr-2023 00:00	27.55
13-Apr-2023 00:00	27.48
14-Apr-2023 00:00	27.7
15-Apr-2023 00:00	27.61
16-Apr-2023 00:00	26.48
17-Apr-2023 00:00	24.32
18-Apr-2023 00:00	24.71
19-Apr-2023 00:00	20.64
20-Apr-2023 00:00	16.79
21-Apr-2023 00:00	17.15
22-Apr-2023 00:00	20.03
23-Apr-2023 00:00	24.3
24-Apr-2023 00:00	
25-Apr-2023 00:00	
26-Apr-2023 00:00	
27-Apr-2023 00:00	
28-Apr-2023 00:00	
29-Apr-2023 00:00	
30-Apr-2023 00:00	
01-May-2023 00:00	
02-May-2023 00:00	0
03-May-2023 00:00	0
04-May-2023 00:00	
05-May-2023 00:00	
06-May-2023 00:00	
07-May-2023 00:00	
08-May-2023 00:00	
09-May-2023 00:00	
10-May-2023 00:00	
11-May-2023 00:00	
12-May-2023 00:00	
13-May-2023 00:00	
14-May-2023 00:00	
15-May-2023 00:00	



Timestamp	SPM(mg/Nm3)
16-May-2023 00:00	
17-May-2023 00:00	
18-May-2023 00:00	
19-May-2023 00:00	
20-May-2023 00:00	22.59
21-May-2023 00:00	26.31
22-May-2023 00:00	25.87
23-May-2023 00:00	26.22
24-May-2023 00:00	26.08
25-May-2023 00:00	26.4
26-May-2023 00:00	26.31
27-May-2023 00:00	26.03
28-May-2023 00:00	26.28
29-May-2023 00:00	26.43
30-May-2023 00:00	26.04
31-May-2023 00:00	26.32
01-Jun-2023 00:00	26.56
02-Jun-2023 00:00	26.22
03-Jun-2023 00:00	25.91
04-Jun-2023 00:00	26.07
05-Jun-2023 00:00	26.44
06-Jun-2023 00:00	26.27
07-Jun-2023 00:00	25.93
08-Jun-2023 00:00	26.29
09-Jun-2023 00:00	26.22
10-Jun-2023 00:00	26.55
11-Jun-2023 00:00	26.25
12-Jun-2023 00:00	26.35
13-Jun-2023 00:00	26
14-Jun-2023 00:00	26.35
15-Jun-2023 00:00	26.43
16-Jun-2023 00:00	26.23
17-Jun-2023 00:00	26.36
18-Jun-2023 00:00	26.38
19-Jun-2023 00:00	26.04
20-Jun-2023 00:00	26.27
21-Jun-2023 00:00	26.09
22-Jun-2023 00:00	26.46
23-Jun-2023 00:00	26.37
24-Jun-2023 00:00	26.25
25-Jun-2023 00:00	26.31
26-Jun-2023 00:00	26.58
27-Jun-2023 00:00	26.11
28-Jun-2023 00:00	26.01
29-Jun-2023 00:00	26.03
30-Jun-2023 00:00	26.13
01-Jul-2023 00:00	26



Timestamp	SPM(mg/Nm3)
02-Jul-2023 00:00	26.26
03-Jul-2023 00:00	26.26
04-Jul-2023 00:00	25.92
05-Jul-2023 00:00	26.07
06-Jul-2023 00:00	26.44
07-Jul-2023 00:00	26.3
08-Jul-2023 00:00	26.15
09-Jul-2023 00:00	26
10-Jul-2023 00:00	26.24
11-Jul-2023 00:00	26.41
12-Jul-2023 00:00	25.86
13-Jul-2023 00:00	26.26
14-Jul-2023 00:00	26.45
15-Jul-2023 00:00	26.21
16-Jul-2023 00:00	25.95
17-Jul-2023 00:00	25.99
18-Jul-2023 00:00	26.28
19-Jul-2023 00:00	26.24
20-Jul-2023 00:00	25.96
21-Jul-2023 00:00	26.55
22-Jul-2023 00:00	26.3
23-Jul-2023 00:00	26.39
24-Jul-2023 00:00	26.26
25-Jul-2023 00:00	26.54
26-Jul-2023 00:00	26.23
27-Jul-2023 00:00	25.56
28-Jul-2023 00:00	26.08
29-Jul-2023 00:00	25.89
30-Jul-2023 00:00	26.22
31-Jul-2023 00:00	26.2
01-Aug-2023 00:00	25.97
02-Aug-2023 00:00	26.39
03-Aug-2023 00:00	26.19
04-Aug-2023 00:00	25.85
05-Aug-2023 00:00	26.23
06-Aug-2023 00:00	26.34
07-Aug-2023 00:00	26.05
08-Aug-2023 00:00	25.95
09-Aug-2023 00:00	25.95
10-Aug-2023 00:00	26.31
11-Aug-2023 00:00	26.04
12-Aug-2023 00:00	25.75
13-Aug-2023 00:00	26.06
14-Aug-2023 00:00	26.15
15-Aug-2023 00:00	26.18
16-Aug-2023 00:00	26.16
17-Aug-2023 00:00	26.06

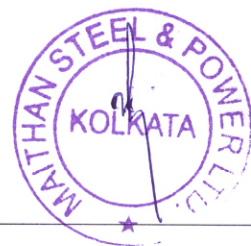


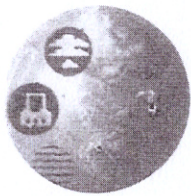
Timestamp	SPM(mg/Nm3)
18-Aug-2023 00:00	25.84
19-Aug-2023 00:00	26.29
20-Aug-2023 00:00	26.24
21-Aug-2023 00:00	26.15
22-Aug-2023 00:00	35.57
23-Aug-2023 00:00	
24-Aug-2023 00:00	
25-Aug-2023 00:00	
26-Aug-2023 00:00	
27-Aug-2023 00:00	
28-Aug-2023 00:00	
29-Aug-2023 00:00	
30-Aug-2023 00:00	
31-Aug-2023 00:00	
01-Sep-2023 00:00	
02-Sep-2023 00:00	
03-Sep-2023 00:00	
04-Sep-2023 00:00	
05-Sep-2023 00:00	
06-Sep-2023 00:00	
07-Sep-2023 00:00	
08-Sep-2023 00:00	
09-Sep-2023 00:00	
10-Sep-2023 00:00	
11-Sep-2023 00:00	
12-Sep-2023 00:00	
13-Sep-2023 00:00	
14-Sep-2023 00:00	
15-Sep-2023 00:00	25.16
16-Sep-2023 00:00	25.56
17-Sep-2023 00:00	24.93
18-Sep-2023 00:00	25.3
19-Sep-2023 00:00	25.25
20-Sep-2023 00:00	25.48
21-Sep-2023 00:00	25.65
22-Sep-2023 00:00	22.28



ANNEXURE – II

STACK EMISSION MONITORING REPORT





Eco Care



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 – TC510923000001146F

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

TEST REPORT

Report Release Date	: 19.09.2023	Sample Ref. No.(ARF)	: EC/ARF/29/230910
Test Report No	: EC/TR/42/09021	Source of Sample	: Steel Plant
Type of Sample	: Dust & Gaseous Emission	Sampling Date	: 11.09.2023
Sample Collected by	: Mr. Binod Singh & Team	Period of Analysis	: 13.09.2023
Sample Details	: Stack Emission	Sampling Location	: Bag Filter Stack
Name & Address	: Maithan Steel & Power Limited (Unit – II) Village & Mouza – Nakrajoria PO & PS – Salanpur Dist – Paschim Bardhaman West Bengal – 713357	Sample Condition	: Sealed
		Sample Stamped as	: TH – 47
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Remarks	: ----
		Deviation if any	: None

GENERAL INFORMATION

1	Particular of the Plant	: Steel Plant
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	Diameter of Stack at Sampling Port	: 2.70 m
9	Shape of the Stack	: Circular Ø
10	Working Load	: 20.0 MT/Batch/Furnace

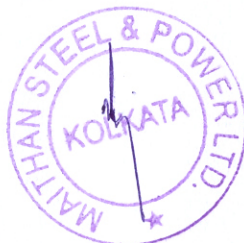
FUEL CHARACTERISTIC REPORT


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

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

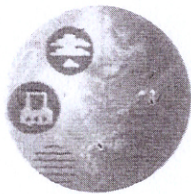
		Method	
1	Flue Gas Temperature	53 ⁰ C	IS 11255 : Part 3
2	Barometric Pressure	755 mm Hg	IS 11255 : Part 3
3	Velocity of Flue Gas	5.17 m/sec	IS 11255 : Part 3
4	Flue Gas Quantity	96829 Nm ³ / hr	IS 11255 : Part 3
5	Concentration of Particulate Matter	36.11 mg/Nm ³	IS 11255 : Part 1
6	Concentration of Carbon Dioxide	2.6%	IS 13270
7	Concentration of SO ₂	----	IS 11255 : Part 2
8	Concentration of NO _x	----	IS 11255 : Part 7

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




Authorised Signatory

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



Eco Care



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 – TC510923000001147F

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

TEST REPORT

Report Release Date : 19.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09022	Source of Sample : Steel Plant
Type of Sample : Dust & Gaseous Emission	Sampling Date : 11.09.2023
Sample Collected by : Mr. Binod Singh & Team	Period of Analysis : 13.09.2023
Sample Details : Stack Emission	Sampling Location : Bag Filter Stack
Name & Address : Maithan Steel & Power Limited (Unit – II) Village & Mouza – Nakrajoria PO & PS – Salanpur Dist – Paschim Bardhaman West Bengal – 713357	Sample Condition : Sealed Sample Stamped as : TH – 48 Sample Drawn By : ECO CARE Sampling Plan & Procedure : EC/SOP/03/01
	Remarks : ---- Deviation if any : None

GENERAL INFORMATION

1 Particular of the Plant	: Steel Plant
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 Diameter of Stack at Sampling Port	: 1.20 m
9 Shape of the Stack	: Circular Ø
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	49 ^o C	IS 11255 : Part 3
2 Barometric Pressure	755 mm Hg	IS 11255 : Part 3
3 Velocity of Flue Gas	7.61 m/sec	IS 11255 : Part 3
4 Flue Gas Quantity	28509 Nm ³ / hr	IS 11255 : Part 3
5 Concentration of Particulate Matter	29.79 mg/Nm ³	IS 11255 : Part 1
6 Concentration of Carbon Dioxide	2.2%	IS 13270
7 Concentration of SO ₂	----	IS 11255 : Part 2
8 Concentration of NO _x	----	IS 11255 : Part 7

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

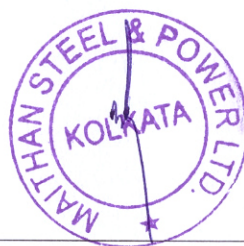



Authorised Signatory

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ANNEXURE – III

FUGITIVE / WORKZONE EMISSION REPORT





Eco Care



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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 – TC51092300000778F

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

TEST REPORT

Report Release Date : 08.06.2023	Sample Ref. No.(ARF) : EC/ARF/29/230604
Test Report No : EC/TR/42/06007	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 05.06.2023
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 06.06.23 to 07.06.23
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited (Unit – II) Vill & 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	33.9 °C	2	Barometric Pressure	754 mm Hg
3	Average Relative Humidity	39.0 %	4	Weather Condition	Clear Day

1. Sampling Location : Near Raw Material Yard

Sl. No.	Parameters	Test Method	Results
1	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	402.71 µg/M ³

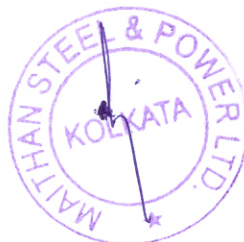
2. Sampling Location : Near SMS Area

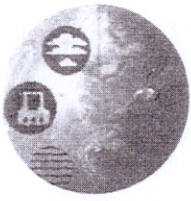
Sl. No.	Parameters	Test Method	Results
1	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	347.70 µg/M ³

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.
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ULR NO – TC51092300000779F

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

TEST REPORT

Report Release Date : 08.06.2023	Sample Ref. No.(ARF) : EC/ARF/29/230604
Test Report No : EC/TR/42/06008	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 05.06.2023
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 06.06.23 to 07.06.23
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited (Unit – II) Vill & 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	33.9 °C	2	Barometric Pressure	754 mm Hg
3	Average Relative Humidity	39.0 %	4	Weather Condition	Clear Day

3. Sampling Location : Rolling Mill Shed

Sl. No.	Parameters	Test Method	Results
1	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	352.99 µg/M ³

4. Sampling Location : Near Gate No. 2

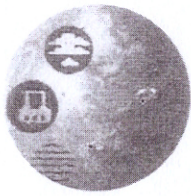
Sl. No.	Parameters	Test Method	Results
1	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	370.91 µg/M ³

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

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ULR NO – TC510923000001150F

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

TEST REPORT

Report Release Date : 19.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09025	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 11.09.23 to 12.09.23
Sample Collected by : Mr. Binod Singh & Team	Period of Analysis : 13.09.23 to 14.09.23
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited (Unit – II) Viillage & Mouza – Nakrajoria	Remarks : ----
PO & PS – Salanpur	Sampling Plan & Procedure : EC/SOP/03/01
Dist – Paschim Bardhaman	Sample Drawn By : ECO CARE
West Bengal – 713357	Deviation if any : None

METEOROLOGICAL INFORMATION

1	Average Temperature	28.8° C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	84.0%	4	Weather Condition	Clear Day

1. Sampling Location : Near Raw Material Yard

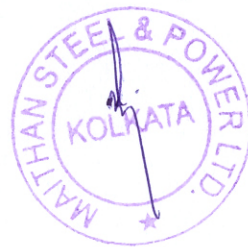
Sl. No.	Parameters	Test Method	Results
1	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	423.84 µg/m ³

2. Sampling Location : Near SMS Area

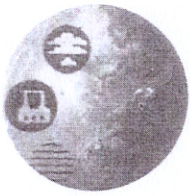
Sl. No.	Parameters	Test Method	Results
1	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	371.78 µg/m ³

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

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ULR NO – TC510923000001151F

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

TEST REPORT

Report Release Date : 19.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09026	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 11.09.23 to 12.09.23
Sample Collected by : Mr. Binod Singh & Team	Period of Analysis : 13.09.23 to 14.09.23
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited (Unit – II) Village & Mouza – Nakrajoria PO & PS – Salanpur Dist – Paschim Bardhaman West Bengal – 713357	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Sample Drawn By : ECO CARE
	Deviation if any : None

METEOROLOGICAL INFORMATION

1	Average Temperature	29.0° C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	84.0%	4	Weather Condition	Clear Day

3. Sampling Location : Gate No. 1

Sl. No.	Parameters	Test Method	Results
1	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	349.63 µg/m ³

4. Sampling Location : Gate No. 2

Sl. No.	Parameters	Test Method	Results
1	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	391.94 µg/m ³

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

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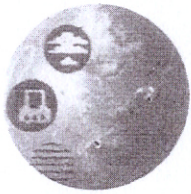
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ANNEXURE – IV

AMBIENT AIR QUALITY (AAQ) MONITORING REPORT





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ULR NO – TC510923000001148F

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

TEST REPORT

Report Release Date : 19.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09023	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 11.09.23 to 12.09.23
Sample Collected by : Mr. Binod Singh & Team	Period of Analysis : 13.09.23 to 14.09.23
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited (Unit – II) Village & Mouza – Nakrajoria PO & PS – Salanpur Dist – Paschim Bardhaman West Bengal - 713357	Remarks : --- Sampling Plan & Procedure : EC/SOP/03/01 Sample Drawn By : ECO CARE Deviation if any : None

METEOROLOGICAL INFORMATION

1	Average Temperature	29.0°C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	85.0%	4	Weather Condition	Clear Day

AMBIENT AIR QUALITY ANALYSIS REPORT

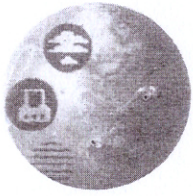
TEST METHOD	IS : 5182 (Part – 2)	IS : 5182 (Part – 6)	IS : 5182 (Part – 23)	EPA CFR40 (pt 50), Appendix1
PARAMETERS	SO ₂ (µg/m ³)	NO _x (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)
Method Detection Limit	5	8	20	10
Industrial Area Standard Limit	80	80	100	60
1. Sampling Location : Near Main Gate (Inside of the Plant)				
Shift - A (09:30 AM To 05:30 PM)	35.71	38.28	82.07	38.74
Shift - B (05:40 PM To 01:40 AM)	22.32	27.44	65.42	
Shift - C (01:50 AM To 09:50 AM)	26.79	34.21	76.28	
Average (Shift - A To Shift - C)	28.27	33.31	74.59	

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

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Dist. Paschim Bardhaman (W.B.)

ULR NO – TC510923000001149F

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

TEST REPORT

Report Release Date : 19.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09024	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 11.09.23 to 12.09.23
Sample Collected by : Mr. Binod Singh & Team	Period of Analysis : 13.09.23 to 14.09.23
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited (Unit – II) Village & Mouza – Nakrajoria PO & PS – Salanpur Dist – Paschim Bardhaman West Bengal – 713357	Remarks : --- Sampling Plan & Procedure : EC/SOP/03/01 Sample Drawn By : ECO CARE Deviation if any : None

METEOROLOGICAL INFORMATION

1	Average Temperature	29.0°C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	85.0 %	4	Weather Condition	Clear Day

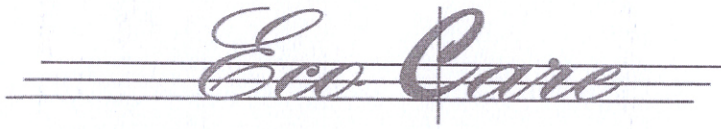
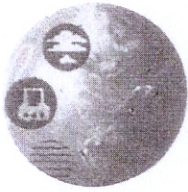
AMBIENT AIR QUALITY ANALYSIS REPORT

TEST METHOD	IS : 5182 (Part – 2)	IS : 5182 (Part – 6)	IS : 5182 (Part – 23)	EPA CFR40 (pt 50), Appendix 1
PARAMETERS	SO ₂ (µg/M ³)	NO _x (µg/M ³)	PM ₁₀ (µg/M ³)	PM _{2.5} (µg/M ³)
Method Detection Limit	5	8	20	10
Industrial Area Standard Limit	80	80	100	60
1. Sampling Location : Near Salanpur Village (Out Side of the Plant)				
Shift - A (08:40 AM To 04:40 PM)	26.79	32.86	75.12	31.28
Shift - B (04:50 PM To 12:50 AM)	13.39	21.34	62.26	
Shift - C (01:00 AM To 09:00 AM)	22.32	28.12	71.58	
Average (Shift - A To Shift - C)	20.83	27.44	69.65	
2. Sampling Location : Near Nakrajoria Village (Out Side of the Plant)				
Shift - A (09:20 AM To 05:20 PM)	31.25	35.57	73.24	34.46
Shift - B (05:30 PM To 01:30 AM)	17.86	26.08	59.06	
Shift - C (1:40 AM To 09:40 AM)	26.79	33.54	68.39	
Average (Shift - A To Shift - C)	25.30	31.73	66.90	
3. Sampling Location : Near Dendua Village (Out Side of the Plant)				
Shift - A (10:00 AM To 06:00 PM)	22.32	27.44	69.18	28.52
Shift - B (06:10 PM To 02:10 AM)	08.93	16.60	54.70	
Shift - C (02:20 AM To 10:20 AM)	13.39	23.37	66.82	
Average (Shift - A To Shift - C)	14.88	22.47	63.57	

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



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Dist. Paschim Bardhaman (W.B.)

ULR NO – TC510923000001586P

TEST REPORT

Report Release Date : 15.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09300	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 11.09.23 to 12.09.23
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 12.09.23 to 13.09.23
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited (Unit – II) Village & Mouza – Nakrajoria PO & PS – Salanpur Dist – Paschim Bardhaman West Bengal – 713357	Remarks : ---- Sample Drawn By : ECO CARE Deviation if any : None

METEOROLOGICAL INFORMATION

1	Average Temperature	29.0°C	2	Barometric Pressure	755 mm Hg
3	Average Relative Humidity	85.0%	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 ³	4	0.117

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 ³	4	0.121

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 ³	4	0.124

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 ³	10	0.172

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



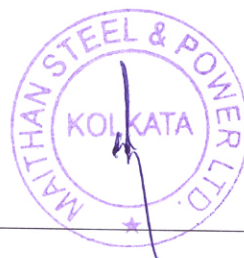
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ANNEXURE – V

**CORPORATE RESPONSIBILITY ON ENVIRONMENTAL PROTECTION
(CREP)**



CORPORATE RESPONSIBILITY FOR ENVIRONMENTAL PROTECTION (CREP)

Sr. No.	Action points for Integrated Iron & Steel Industry	Action Plan
1.	<p>Steel Melting Shop</p> <p>Fugitive emissions– To reduce 30% by March, 2004 and 100% by March, 2008 (including installation of secondary Dedusting facilities).</p>	<p>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.</p> <p>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 September, 2023.</p>
2.	<p>Solid Waste/ Hazardous Waste Management</p> <p>Utilization of Steel Melting shop (SMS)/ Blast Furnace (BF) Slag as per the following schedule:</p> <ul style="list-style-type: none"> ◆ By 2004– 70% ◆ By 2006– 80% and ◆ By 2007– 100% <p>Hazardous Wastes</p> <p>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).</p>	<ul style="list-style-type: none"> ◆ 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 & landfill after iron recovery. For the proposed expansion of Steel Melting Shop, same practice will be adopted in future. ◆ Mill scales/ end cuts, rolling Mill scrap & missed roll will be generated from the rolling mill. Mill scales will be reused in SMS plant. <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> <p>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) 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.</p>
3.	<p>Water Conservation/ Water Pollution</p> <p>To reduce specific water consumption to 5 m³/t for long products and 8 m³/t for flat products by December 2005.</p>	<ul style="list-style-type: none"> ▪ The plant is completely based on 'Zero Liquid Discharge'. ▪ Steel Melting Shop: 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. ▪ Rolling Mill: 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



		<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"> ▪ Cold Drawing Workshop: Water is not required in the process or for cooling purpose in Cold Drawing Workshop. ▪ Slag Crushing Unit: Treated water from STP will be used for dust suppression to control the fugitive emission. ▪ Protective Coating Workshop: 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. ▪ 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. ▪ Domestic waste water is being reused for developing greenbelt and dust suppression system after treatment in the Sewage Treatment Plant (Capacity 100 KLD). ▪ Continuous attempt is being made to optimize/ reduce the use of water through monitoring, reuse, recycle practices. ▪ Record of water consumption on daily basis will be maintained as per present practice.
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"> ▪ 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. The OCEMS data for the six monthly period (April, 2022 to September, 2023) is submitted to West Bengal Pollution Control Board, Central Pollution Control Board & Regional Office of MoEF&CC, New Delhi.
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.	



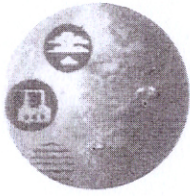
De- dusting of Cast house at tap holes, runners, skimmers ladle and charging points.	Existing SMS are equipped with bag filters, hood and ID Fans. All bag houses are design to meet the standard below prescribed limit and an adequate dust suppression is provided in material storage sheds, material unloading 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.
Reduction Green House Gases by:	
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



ANNEXURE – VI

PRE & POST MONSOON GROUND WATER QUALITY REPORT





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ULR NO – TC510923000001575F

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

TEST REPORT

Report Release Date : 19.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09289	Source of Sample : Steel Plant
Type of Sample : Ground Water	Sampling Date : 11.09.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 11.09.23 to 12.09.23
Sample Details : Bore Well	Sampling Location : Dendua Village
Name & Address : Maithan Steel & Power Limited (Unit – II) Village & Mouza – Nakrajoria PO & PS – Salanpur Dist – Paschim Bardhaman West Bengal – 713357	Sample Condition : Sealed & Preserved
	Sample Stamped as : MSPL – 120
	Sample Drawn By : ECO CARE
	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (IS & APHA 23 rd Edition)	Standards (IS:10500)	Results
1	pH at 25.4 ^o C		4500-H ⁺ B	6.5 – 8.5	7.23
2	TDS	mg/l	2540 C	500.0	324.70
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO ₃)	mg/l	2320 B	200.0	114.33
5	Chloride (as Cl)	mg/l	4500 – Cl ⁻ B	250.0	22.99
6	Calcium (as Ca)	mg/l	3500 – Ca B	75.0	35.98
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO ₃)	mg/l	2340 C	200.0	124.44
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.09
10	Sulphate (as SO ₄)	mg/l	4500 – SO ₄ ²⁻ E	200.0	19.26
11	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	8.42
12	Arsenic	mg/l	IS 3025 (Part-37)	0.01	< 0.01
13	Colour	Hazen	2120B	5.0	< 5.0
14	Fluoride (as F)	mg/l	4500F– B & D	1.0	0.21
15	Nitrate (as NO ₃)	mg/l	4500 – NO ₃ ⁻ B	45.0	1.54
16	Chlorine Residual	mg/l	IS 3025 (Part-26)	0.2	< 0.50

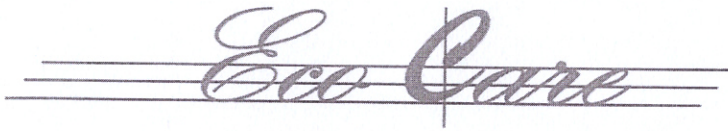
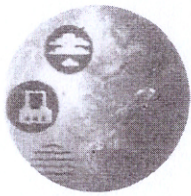
1. Test values are reported based on the samples received.
2. Sample(s) will be destroyed after 7 days from date of issues of the Test Report subject to nature of Preservation. Sample will be preserved as per the standard method.
3. The Test report shall not be reproduced, without the written approval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



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ULR NO – TC510923000001576F

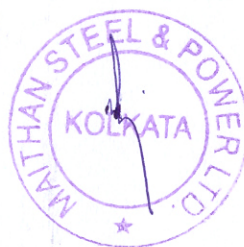
Format No. : EC/TRT/42/FM/06

TEST REPORT

Report Release Date : 19.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09290	Source of Sample : Steel Plant
Type of Sample : Ground Water	Sampling Date : 11.09.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 11.09.23 to 12.09.23
Sample Details : Bore Well	Sampling Location : Salanpur Village
Name & Address : Maithan Steel & Power Limited (Unit – II) Village & Mouza – Nakrajoria PO & PS – Salanpur Dist – Paschim Bardhaman West Bengal – 713357	Sample Condition : Sealed & Preserved
	Sample Stamped as : MSPL – 121
	Sample Drawn By : ECO CARE
	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (IS & APHA 23 rd Edition)	Standards (IS:10500)	Results
1	pH at 25.8 °C		4500-H ⁺ B	6.5 – 8.5	7.12
2	TDS	mg/l	2540 C	500.0	297.30
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO ₃)	mg/l	2320 B	200.0	109.18
5	Chloride (as Cl)	mg/l	4500 – Cl ⁻ B	250.0	28.86
6	Calcium (as Ca)	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 ₃)	mg/l	2340 C	200.0	118.32
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.11
10	Sulphate (as SO ₄)	mg/l	4500 – SO ₄ ²⁻ E	200.0	25.76
11	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	6.44
12	Arsenic	mg/l	IS 3025 (Part-37)	0.01	< 0.01
13	Colour	Hazen	2120B	5.0	< 5.0
14	Fluoride (as F)	mg/l	4500F– B & D	1.0	0.16
15	Nitrate (as NO ₃)	mg/l	4500 – NO ₃ ⁻ B	45.0	1.48
16	Chlorine Residual	mg/l	IS 3025 (Part-26)	0.2	< 0.50

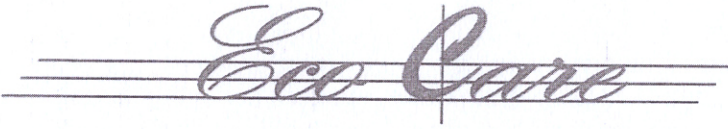
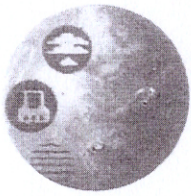
1. Test values are reported based on the samples received.
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3. The Test report shall not be reproduced, without the written approval of laboratory.



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ULR NO – TC510923000001577F

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

TEST REPORT

Report Release Date : 19.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09291	Source of Sample : Steel Plant
Type of Sample : Ground Water	Sampling Date : 11.09.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 11.09.23 to 12.09.23
Sample Details : Bore Well	Sampling Location : Nakrajoria Village
Name & Address : Maithan Steel & Power Limited	Sample Condition : Sealed & Preserved
(Unit – II)	Sample Stamped as : MSPL – 122
Village & Mouza – Nakrajoria	Sample Drawn By : ECO CARE
PO & PS – Salanpur	Remarks : ----
Dist – Paschim Bardhaman	Sampling Plan & Procedure : EC/SOP/03/01
West Bengal – 713357	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (IS & APHA 23 rd Edition)	Standards (IS:10500)	Results
1	pH at 25.4°C		4500-H ⁺ B	6.5 – 8.5	7.31
2	TDS	mg/l	2540 C	500.0	286.40
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO ₃)	mg/l	2320 B	200.0	101.97
5	Chloride (as Cl)	mg/l	4500 – Cl ⁻ B	250.0	23.97
6	Calcium (as Ca)	mg/l	3500 – Ca B	75.0	27.80
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO ₃)	mg/l	2340 C	200.0	99.96
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.12
10	Sulphate (as SO ₄)	mg/l	4500 – SO ₄ ²⁻ E	200.0	20.25
11	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	7.44
12	Arsenic	mg/l	IS 3025 (Part-37)	0.01	< 0.01
13	Colour	Hazen	2120B	5.0	< 5.0
14	Fluoride (as F)	mg/l	4500F– B & D	1.0	0.26
15	Nitrate (as NO ₃)	mg/l	4500 – NO ₃ ⁻ B	45.0	1.12
16	Chlorine Residual	mg/l	IS 3025 (Part-26)	0.2	< 0.50

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



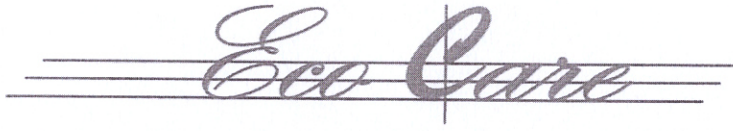
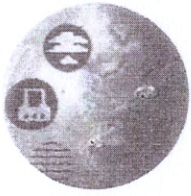
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ANNEXURE – VII

EFFLUENT WATER QUALITY ANALYSIS REPORT





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ULR No – TC510923000001580F

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

TEST REPORT

Report Release Date : 19.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09294	Source of Sample : Steel Plant
Type of Sample : Water	Sampling Date : 11.09.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 11.09.23 to 14.09.23
Sample Details : Effluent Water	Sampling Location : STP Inlet
Name & Address : Maithan Steel & Power Limited (Unit – II)	Sample Condition : Sealed & Preserved
Village & Mouza – Nakrajoria	Sample Stamped as : “SS – 126”
PO & PS – Salanpur	Sample Drawn By : ECO CARE
Dist. Paschim Bardhaman	Remarks : ----
West Bengal – 713357	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No	Parameters	Unit	Test Method (APHA 23 rd Edition)	Standards (EPR 1986 & IS 2296:1982)	Results
1	pH at 26.1 °C		4500-H ⁺ B	5.5 – 9.0	7.86
2	TSS	mg/l	2540 D	100.0	109.70
3	BOD (3 days) at 27.0 °C	mg/l	IS 3025 (Part - 44): 1993	30.0	84
4	COD	mg/l	5220 B	250.0	288.84
5	Oil & Grease	mg/l	5520 B	10.0	6.27

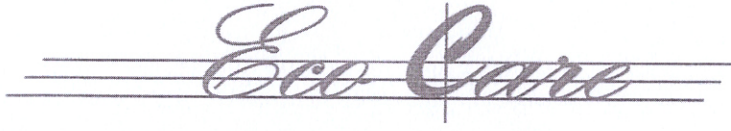
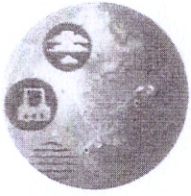
1. Test values are reported based on the samples received.
2. Sample(s) will be destroyed after 7 days from date of issues of the Test Report subject to nature of Preservation. Sample will be preserved as per the standard method.
3. The Test report shall not be reproduced, without the written approval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



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ULR No – TC510923000001581F

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

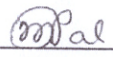
TEST REPORT

Report Release Date : 19.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09295	Source of Sample : Steel Plant
Type of Sample : Water	Sampling Date : 11.09.2023
Sample Collected by : Mr.Sumit Sarkar	Period of Analysis : 11.09.23 to 12.09.23
Sample Details : Effluent Water	Sampling Location : STP Outlet
Name & Address : Maithan Steel & Power Limited (Unit – II)	Sample Condition : Sealed & Preserved
Village & Mouza – Nakrajoria	Sample Stamped as : “SS – 127”
PO & PS – Salanpur	Sample Drawn By : ECO CARE
Dist. Paschim Bardhaman	Remarks : ----
West Bengal – 713357	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No	Parameters	Unit	Test Method (APHA 23 rd Edition)	Standards (EPR 1986 & IS 2296:1982)	Results
1	pH at 25.8 °C		4500-H ⁺ B	5.5 – 9.0	7.14
2	TSS	mg/l	2540 D	100.0	26.90
3	BOD (3 days) at 27.0 °C	mg/l	IS 3025 (Part - 44): 1993	30.0	19
4	COD	mg/l	5220 B	250.0	69.72
5	Oil & Grease	mg/l	5520 B	10.0	2.68

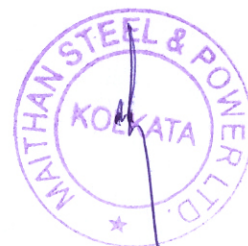
1. Test values are reported based on the samples received.
2. Sample(s) will be destroyed after 7 days from date of issues of the Test Report subject to nature of Preservation. Sample will be preserved as per the standard method.
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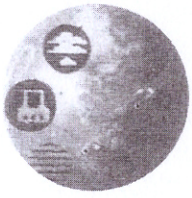



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ANNEXURE – VIII

DRINKING WATER QUALITY ANALYSIS REPORT





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ULR NO – TC510923000001578F

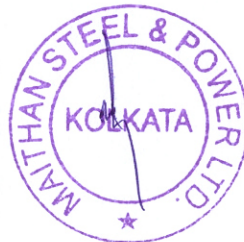
Format No. : EC/TRT/42/FM/06

TEST REPORT

Report Release Date : 19.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09292	Source of Sample : Steel Plant
Type of Sample : Ground Water	Sampling Date : 11.09.2023
Sample Collected by : Mr.Sumit Sarkar	Period of Analysis : 11.09.23 to 13.09.23
Sample Details : Bore Well	Sampling Location : Near Canteen
Name & Address : Maithan Steel & Power Limited (Unit – II) Village & Mouza – Nakrajoria PO & PS – Salanpur Dist – Paschim Bardhaman West Bengal – 713357	Sample Condition : Sealed & Preserved
	Sample Stamped as : MSPL – 123
	Sample Drawn By : ECO CARE
	Remarks : ----
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (IS & APHA 23 rd Edition)	Standards (IS:10500)	Results
1	pH at 25.9 °C		4500-H ⁺ B	6.5 – 8.5	7.38
2	TDS	mg/l	2540 C	500.0	342.60
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO ₃)	mg/l	2320 B	200.0	126.69
5	Chloride (as Cl)	mg/l	4500 – Cl ⁻ B	250.0	39.25
6	Calcium (as Ca)	mg/l	3500 – Ca B	75.0	35.16
7	Total Chromium	mg/l	IS 3025 (Part-52):2003	0.05	< 0.03
8	Total Hardness (as CaCO ₃)	mg/l	2340 C	200.0	120.36
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.11
10	Sulphate (as SO ₄)	mg/l	4500 – SO ₄ ²⁻ E	200.0	33.26
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	2120B	5.0	< 5.0
14	Fluoride (as F)	mg/l	4500F– B & D	1.0	0.23
15	Nitrate (as NO ₃)	mg/l	4500 – NO ₃ ⁻ B	45.0	2.04
16	Chlorine Residual	mg/l	IS 3025 (Part-26)	0.2	< 0.50

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



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ULR NO – TC510923000001578P

TEST REPORT (Part – B)

Report Release Date : 19.09.2023	Sample Ref. NO.(ARF) : EC/ARF/29/230323
Test Report No : EC/TR/42/09292	Source of Sample : Steel Plant
Type of Sample : Ground Water	Sampling Date : 11.09.2023
Sample Collected by : Mr. Sumit Sarkar	Period of Analysis : 11.09.23 to 13.09.23
Sample Details : Bore Well	Sampling Location : Near Canteen
Name & Address : Maithan Steel & Power Limited	Sample Condition : Sealed & Preserved
(Unit – II)	Sample Stamped as : MSPL – 123
Village & Mouza – Nakrajoria	Sample Drawn By : ECO CARE
PO & PS – Salanpur	Remarks : ----
Dist – Paschim Bardhaman	Deviation if any : None
West Bengal – 713357	

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

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.
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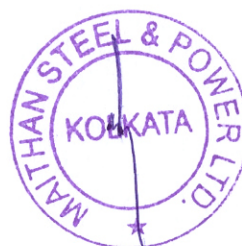
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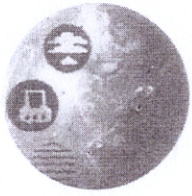
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ANNEXURE – IX

AMBIENT & WORKZONE NOISE QUALITY MONITORING REPORT





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URL NO. – TC510923000001585F

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

TEST REPORT

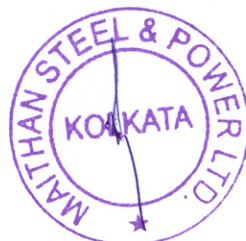
Report Release Date : 15.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09298	Source of Sample : Steel Plant
Type of Sample : Noise	Sampling Date : 11.09.23 to 12.09.23
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : ----
Sample Details : Source Noise	Sample Condition : ----
Name & Address : Maithan Steel & Power Limited	Remarks : ----
(Unit – II)	Sample Drawn By : ECO CARE
Village & Mouza – Nakrajaoria	Sampling Plan &
PO & PS – Salanpur	Procedure : EC/SOP/03/01
Dist – Paschim Bardhaman	Deviation if any : None
West Bengal – 713357	

Standard Noise Limit in dB(A) Leq & Sampling Location: Near Rolling Mill Area

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

SL No	Time	Minimum	Leq – Mean	Maximum
1	01:40 Hrs to 02:40 Hrs	57.30 dB(A)	68.74 dB(A)	73.40 dB(A)
2	02:40 Hrs to 03:40 Hrs	57.00 dB(A)	67.38 dB(A)	72.10 dB(A)
3	03:40 Hrs to 04:40 Hrs	60.20 dB(A)	66.27 dB(A)	70.80 dB(A)
4	04:40 Hrs to 05:40 Hrs	61.60 dB(A)	70.12 dB(A)	74.50 dB(A)
5	05:40 Hrs to 06:40 Hrs	62.50 dB(A)	68.38 dB(A)	71.80 dB(A)
6	06:40 Hrs to 07:40 Hrs	69.10 dB(A)	70.91 dB(A)	73.50 dB(A)
7	07:40 Hrs to 08:40 Hrs	52.30 dB(A)	67.49 dB(A)	74.60 dB(A)
8	08:40 Hrs to 09:40 Hrs	61.60 dB(A)	66.98 dB(A)	70.80 dB(A)
9	09:40 Hrs to 10:40 Hrs	62.50 dB(A)	68.75 dB(A)	72.10 dB(A)
10	10:40 Hrs to 11:40 Hrs	66.70 dB(A)	70.16 dB(A)	72.70 dB(A)
11	11:40 Hrs to 12:40 Hrs	67.20 dB(A)	69.91 dB(A)	72.40 dB(A)
12	12:40 Hrs to 01:40 Hrs	63.40 dB(A)	67.83 dB(A)	70.30 dB(A)
13	01:40 Hrs to 02:40 Hrs	55.80 dB(A)	66.35 dB(A)	71.60 dB(A)
14	02:40 Hrs to 03:40 Hrs	57.20 dB(A)	67.39 dB(A)	70.30 dB(A)
15	03:40 Hrs to 04:40 Hrs	62.30 dB(A)	69.13 dB(A)	73.20 dB(A)
16	04:40 Hrs to 05:40 Hrs	59.40 dB(A)	66.30 dB(A)	69.40 dB(A)
17	05:40 Hrs to 06:40 Hrs	62.10 dB(A)	66.13 dB(A)	69.70 dB(A)
18	06:40 Hrs to 07:40 Hrs	59.40 dB(A)	66.37 dB(A)	70.20 dB(A)
19	07:40 Hrs to 08:40 Hrs	60.80 dB(A)	69.25 dB(A)	73.60 dB(A)
20	08:40 Hrs to 09:40 Hrs	62.20 dB(A)	67.50 dB(A)	70.50 dB(A)
21	09:40 Hrs to 10:40 Hrs	59.40 dB(A)	68.07 dB(A)	74.80 dB(A)
22	10:40 Hrs to 11:40 Hrs	59.20 dB(A)	66.22 dB(A)	68.90 dB(A)
23	11:40 Hrs to 12:40 Hrs	56.20 dB(A)	67.19 dB(A)	72.00 dB(A)
24	12:40 Hrs to 01:40 Hrs	62.10 dB(A)	68.81 dB(A)	72.30 dB(A)

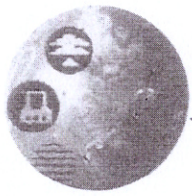
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(Signature)

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

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

URL NO. – TC510923000001587F

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

TEST REPORT

Report Release Date : 15.09.2023 Test Report No : EC/TR/42/09299 Type of Sample : Noise Sample Collected by : Mr. Sumit Sarkar & Team Sample Details : Ambient Noise Name & Address : Maithan Steel & Power Limited (Unit – II) Village & Mouza – Nakrajoria PO & PS – Salanpur Dist – Paschim Bardhaman West Bengal, Pin No – 713357	Sample Ref. No.(ARF) : EC/ARF/29/230910 Source of Sample : Steel Plant Sampling Date : 11.09.2023 Period of Analysis : ---- Sample Condition : ---- Remarks : ---- Sample Drawn By : ECO CARE Sampling Plan & Procedure : EC/SOP/03/01 Deviation if any : None
---	--

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	29.0°C
2	Average Relative Humidity (%)	85%
3	Barometric Pressure (mm of Hg)	755
4	Weather Condition	Clear Day

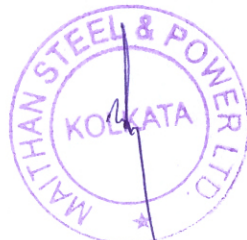
Noise Limit in dB(A) Leq

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

WORK ZONE NOISE QUALITY REPORT

Sampling Location		NOISE LEVEL		
		Minimum	Leq – Mean	Maximum
1. Near Main Gate	Day	62.10 dB(A)	68.81 dB(A)	72.30 dB(A)
	Night	44.40 dB(A)	51.24 dB(A)	56.60 dB(A)
2. Dendua Village	Day	50.20 dB(A)	56.46 dB(A)	60.20 dB(A)
	Night	38.00 dB(A)	40.49 dB(A)	42.90 dB(A)
3. Nakrajoria Village	Day	43.50 dB(A)	50.18 dB(A)	56.70 dB(A)
	Night	39.30 dB(A)	43.96 dB(A)	48.60 dB(A)
4. Salanpur Village	Day	46.30 dB(A)	53.88 dB(A)	57.50 dB(A)
	Night	35.80 dB(A)	39.46 dB(A)	42.20 dB(A)

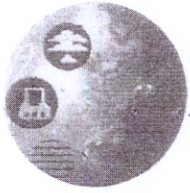
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URL NO. – TC510923000001587F

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

TEST REPORT

Report Release Date : 15.09.2023	Sample Ref. No.(ARF) : EC/ARF/29/230910
Test Report No : EC/TR/42/09299	Source of Sample : Steel Plant
Type of Sample : Noise	Sampling Date : 11.09.2023
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : ----
Sample Details : Ambient Noise	Sample Condition : ----
Name & Address : Maithan Steel & Power Limited	Remarks : ----
(Unit – II)	Sample Drawn By : ECO CARE
Village & Mouza – Nakraoria	Sampling Plan &
PO & PS – Salanpur	Procedure : EC/SOP/03/01
Dist – Paschim Bardhaman	Deviation if any : None
West Bengal, Pin No – 713357	

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	29.0°C
2	Average Relative Humidity (%)	85%
3	Barometric Pressure (mm of Hg)	755
4	Weather Condition	Clear Day

Noise Limit in dB(A) Leq

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

WORK ZONE NOISE QUALITY REPORT

Sampling Location		NOISE LEVEL		
		Minimum	Leq – Mean	Maximum
1. Near Main Gate	Day	62.10 dB(A)	68.81 dB(A)	72.30 dB(A)
	Night	44.40 dB(A)	51.24 dB(A)	56.60 dB(A)
2. Dendua Village	Day	50.20 dB(A)	56.46 dB(A)	60.20 dB(A)
	Night	38.00 dB(A)	40.49 dB(A)	42.90 dB(A)
3. Nakraoria Village	Day	43.50 dB(A)	50.18 dB(A)	56.70 dB(A)
	Night	39.30 dB(A)	43.96 dB(A)	48.60 dB(A)
4. Salanpur Village	Day	46.30 dB(A)	53.88 dB(A)	57.50 dB(A)
	Night	35.80 dB(A)	39.46 dB(A)	42.20 dB(A)

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ANNEXURE – X

HEAT STRESS ANALYSIS REPORT

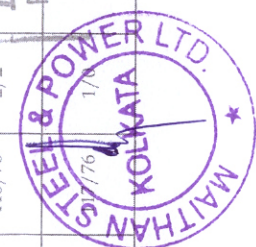




Heat Stress Analysis Report

Date : 18.09.2023

SL NO.	NAME	Date of Birth (DD/MM/YY)	DESIGNATION	DEPARTMENT	SEX (M/F)	WEIGHT (Kgs.)	HEIGHT (Ft.)	BMI TYPE	Blood Group	Chest	Pulse Rate Before (BP M)	Pulse Rate After (BP M)	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)	Respiration Time	SPO2 LEVEL (%)	Aemia	Result (Fit/Unfit)	Remarks
1	Ajit Kumar	08.03.1992	Jr. Foreman	CCM_1	M	57	5.8	UNDER WEIGHT	B+	Clear	68	75	7	97.1	98	0.9	118/78	120/80	2/2	14	98%	Nil	Fit	
2	Ram Manohar Kushwaha	28.12.1990	Asst. Manager	CCM_1	M	76	5.3	OVER WEIGHT	A+	Clear	73	80	7	94.1	95.5	1.4	115/75	118/76	3/1	14	97%	Nil	Fit	
3	Raj Kumar Barnamal	01.02.1997	Jr. Engg.	CCM_1	M	71.9	5.6	NORMAL	B+	Clear	92	90	-2	94	94.5	0.5	116/76	120/78	4/2	14	98%	Nil	Fit	
4	Prasanta Gorai	19.01.2002	DET	CCM_1	M	68	5.7	NORMAL	B+	Clear	84	84	0	97.2	97.3	0.1	118/78	118/80	0/2	14	99%	Nil	Fit	
5	Satbal Chatterjee	23.07.1982	Sr. Fitter	CCM_2	M	62	5.8	NORMAL	O+	Clear	92	94	2	98.2	98.1	-0.1	124/82	124/80	0/-2	14	98%	Nil	Fit	
6	Rajesh Kumar Choudhury	01.05.1975	Sr. Electrician	CCM_1	M	74	5.11	OBESITY	B+	Clear	101	95	-6	94.3	95.1	0.8	115/75	118/78	3/3	14	95%	Nil	Fit	
7	Ashish Mahato	15.01.1993	GET	CCM_2	M	87	5.9	OVER WEIGHT	O+	Clear	90	92	2	95.2	96	0.8	116/76	120/80	4/4	14	99%	Nil	Fit	
8	Premchand Kumar	07.06.1991	Shift Incharge	CCM_2	M	66	5.7	NORMAL	Not Checked	Clear	84	87	3	94.8	96.3	1.5	122/80	120/80	-2/0	14	98%	Nil	Fit	
9	Ashish Kumar Koley	21.07.1999	Jr. Eng.	CCM_2	M	62	5.4	NORMAL	B+	Clear	98	94	-4	94.8	97.1	2.3	122/80	122/80	0/0	14	99%	Nil	Fit	
10	Prithwish Konai	29.204.1998	Asst.Eng.	CCM_2	M	42	5.1	UNDER WEIGHT	O+	Clear	86	90	4	99.1	97.2	-1.9	116/76	118/78	2/2	14	98%	Nil	Fit	DR. R. K. SHARMA Regd. Medical Practitioner
11	Patha Bayen	03.02.2000	Junior Engineer	SMS_1	M	64	5.55	NORMAL	O+	Clear	73	77	4	95.8	96.3	0.5	116/76	118/76	1/0	14	97%	Nil	Fit	MAITHAN STEEL & POWER LTD. KOLKATA

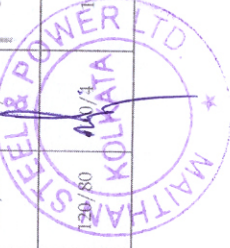


Heat Stress Analysis Report

Date : 18.09.2023

12	Amar Nath Kumar	15.04.1997	Shift Incharge	CCM_2	M	80	5.7	OVER WEIGHT	A+	Clear	70	90	20	96.7	98.6	1.9	120/80	120/80	0/0	14	97%	Nil	Fit	
13	Jitender Nonia	07.02.2000	DET	CCM_2	M	57	5.3	NORMAL	O+	Clear	77	84	7	94.1	94.2	0.1	105/65	110/70	5/5	14	69%	Nil	Low BP	
14	Sridip Khan	21.08.2001	SBO	CCM_2	M	68	5.8	NORMAL	B+	Clear	70	78	8	94.3	95.8	1.5	116/76	118/78	2/2	14	96%	Nil	Fit	
15	Sunil Kumar Yadav	03.01.1994	Sr.Fitter	Rolling Mill_2	M	66	5.7	NORMAL	O+	Clear	82	86	4	94.9	97.5	2.6	115/75	117/76	2/1	14	98%	Nil	Fit	
16	Prasenjit Gope	08.01.2001	Helper	Workshop	M	66	5.7	NORMAL	O+	Clear	68	74	6	94.2	98.5	4.3	115/76	120/78	5/2	14	97%	Nil	Fit	
17	Bajrangi Kumar	01.01.2005	Helper	Rolling Mill_2	M	53	5.3	NORMAL	AB+	Clear	78	86	8	94.5	99.1	4.6	118/78	122/80	4/2	14	98%	Nil	Fit	
18	Mahesh Kumar	12.10.1996	Jr. Fitter	Rolling Mill_2	M	51	5.1	NORMAL	AB+	Clear	76	80	4	95.3	97.6	2.3	115/76	119/78	4/2	14	97%	Nil	Fit	
19	Umesh kumar Sharma	01.02.1990	Fitter	Rolling Mill_1	M	77	5.5	OVER WEIGHT	O+	Clear	94	94	0	97.2	98.2	1	120/80	120/80	0/0	14	99%	Nil	Fit	
20	Rajesh Sharma	10.03.1991	Fitter	Rolling Mill_2	M	56	5.3	NORMAL	O+	Clear	84	87	3	96	97.5	1.5	118/80	120/80	2/0	14	99%	Nil	Fit	
21	Raju Prasad	02.02.1980	CNC Operator	Workshop	M	73	5.6	OVER WEIGHT	B+	Clear	68	72	4	95.4	96.5	1.1	120/78	118/78	-2/0	14	99%	Nil	Fit	
22	Amrit Kumar Singh	07.11.1989	Fitter	Rolling Mill_2	M	76.5	5.5	OVER WEIGHT		Clear	110	94	-16	98.1	97.8	-0.3	120/80	120/80	0/0	14	98%	Nil	Fit	
23	Dwarika Prasad	01.07.1998	Helper	Rolling Mill_2	M	49	5.3	NORMAL	AB+	Clear	68	80	12	96.8	97.2	0.4	115/76	117/76	2/0	14	98%	Nil	Fit	
24	Dilip Kumar	11.01.1995	Fitter	Rolling Mill_2	M	98	5.9	OBESITY	O+	Clear	84	96	12	94.5	98	3.5	120/80	120/80	0/0	14	97%	Nil	Fit	
25	Amit Kumar	15.11.1994	Jr. Fitter	Rolling Mill_2	M	62	5.3	NORMAL		Clear	72	80	8	94.8	94.7	-0.1	116/76	118/78	2/2	14	99%	Nil	Fit	
26	Somnath Gorai	01.12.1997	Supervisor	MIS	M	66	5.7	NORMAL	B+	Clear	104	94	-10	95.8	95.8	0	120/76	120/80	4/4	14	99%	Nil	Fit	

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14 Regd. No. - 5415
Fit

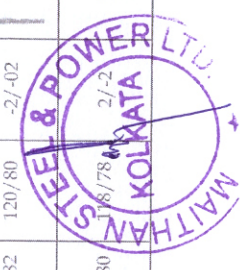


Heat Stress Analysis Report

Date : 18.09.2023

27	Rintu Kumar Singh	14.01.1982	Shaperman	Workshop	M	74	5.8	NORMAL	AB-	Clear	101	90	-11	94.2	95.2	1	116/76	120/80	4/4	14	98%	Nil	Fit
28	Binod Kumar	04.03.1992	CNC Operator	Workshop	M	73	5.7	NORMAL	O+	Clear	105	99	-6	94.8	96.8	2	116/76	118/78	2/2	14	96%	Nil	Fit
29	Rju Kumar	15.01.1987	Turner	Workshop	M	55	5.3	NORMAL	B+	Clear	68	76	8	96.4	97	0.6	110/75	110/76	0/1	14	99%	Nil	Fit
30	Santi Dhara	12.10.1987	Supervisor	MIS	M	63	5.3	NORMAL	B+	Clear	86	94	8	97.6	98.4	0.8	120/80	120/80	0/0	14	96%	Nil	Fit
31	Rahul Layek	13.06.1999	GET	Rolling Mill_2	M	69	5.7	NORMAL	B+	Clear	90	94	4	96	97	1	120/80	120/80	0/0	14	98%	Nil	Fit
32	Ajay Shah	20.02.1987	Fitter	Rolling Mill_1	M	69	5.7	NORMAL	B+	Clear	67	77	10	97.3	97.8	0.5	110/70	116/76	6/6	14	95%	Nil	Fit
33	Pawan Lohar	01.04.1990	Fitter	Rolling Mill_1	M	73	5.5	OVER WEIGHT		Clear	92	94	2	97.6	98	0.4	120/80	122/82	2/2	14	98%	Nil	Fit
34	Goutam Kumar	20.01.1999	GET	Rolling Mill_1	M	71	5.5	OVER WEIGHT		Clear	100	96	-4	97.3	98.1	0.8	122/80	120/80	-2/0	14	98%	Nil	Fit
35	Naresh Yadav		Helper	Rolling Mill_2	M	62	5.5	NORMAL		Clear	85	95	10	97.3	97.9	0.6	118/78	120/80	2/2	14	98%	Nil	Fit
36	Tannay Rudra	24.07.1995	DET	Rolling Mill_1	M	64	5.8	NORMAL	O+	Clear	88	94	6	97.2	98	0.8	118/76	120/78	2/2	14	95%	Nil	Fit
37	Kaushik Mondal	10.10.1992	Jr. Fitter	Rolling Mill_2	M	65	5.3	NORMAL	B+	Clear	88	94	6	96.9	97.4	0.5	128/84	124/82	-4/-2	14	96%	Nil	Fit
38	Amlesh Kumar	15.06.1988	Fitter	Rolling Mill_2	M	67	5.2	OVER WEIGHT		Clear	80	85	5	96.7	97.1	0.4	120/80	118/80	-2/0	14	98%	Nil	Fit
39	Bipin Kumar	01.06.1999	Roll Assembly Fitter	Rolling Mill_2	M	66	5.5	NORMAL	B+	Clear	81	88	7	97.3	96.5	-0.8	120/80	120/80	0/0	14	98%	Nil	Fit
40	Sudhir Kumar	20.11.1992	Fitter	Rolling Mill_2	M	70	5.2	OVER WEIGHT	A+	Clear	109	96	-13	97.3	99.2	1.9	122/82	120/80	-2/-02	14	97%	Nil	Fit
41	Tapas Kumar Mondal	03.02.1992	DET	Rolling Mill_2	M	70	5.8	NORMAL	B+	Clear	88	91	3	95.6	96.5	0.9	116/80	118/78	2/-2	14	96%	Nil	Fit

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Date : 18.09.2023

42	Ajan Majhi	08.11.1993	Shift Incharge	Rolling Mill_2 (Electrical)	M	70	5.9	NORMAL	O-	Clear	79	86	7	97.6	98.5	0.9	116/76	119/80	3/4	14	96%	Nil	Fit
43	Dipak Bagdi	03.07.1993	Helper	Rolling Mill_1	M	66	5.6	NORMAL	A+	Clear	76	84	8	98.2	97.2	-1	116/76	118/78	2/2	14	96%	Nil	Fit
44	Jhantu Das	02.02.1993	Fitter	Rolling Mill_2	M	66	5.5	NORMAL	B+	Clear	77	85	8	94.3	98	3.7	120/80	120/80	0/0	14	98%	Nil	Fit
45	Shyamal Das	1977	Electrician	Rolling Mill_2	M	68	5.5	NORMAL	O+	Clear	111	96	-15	95.2	95.5	0.3	128/84	124/84	-4/0	14	96%	Nil	Fit
46	Sunil Kumar Yadav	30.09.1991	Fitter	CCM-1	M	68	5.5	NORMAL	A+	Clear	79	84	5	94.8	94.5	-0.3	120/80	118/78	-2/-2	14	96%	Nil	Fit
47	Narendra Kumar Yadav	01.01.1976	Fitter	Rolling Mill_2	M	64	5.5	NORMAL	A+	Clear	76	84	8	94.8	97.3	2.5	122/80	120/80	-2/0	14	98%	Nil	Fit
48	Chandan Kumar Yadav	16.04.1996	Fitter	Rolling Mill_1	M	53	5.7	UNDER WEIGHT	A+	Clear	81	86	5	99.1	98.6	-0.5	116/76	118/78	2/2	14	99%	Nil	Fit
49	Niraj Kumar	02.02.2002	Helper	Rolling Mill_2	M	66	5.11	OVER WEIGHT	A+	Clear	70	79	9	96.5	96.7	0.2	116/78	118/78	2/0	14	95%	Nil	Fit
50	Raj Ballav	18.10.1977	Helper	Rolling Mill_1	M	62	5.6	NORMAL	O+	Clear	64	70	6	97.8	97.1	-0.7	110/70	118/78	8/8	14	98%	Nil	Fit
51	Ranjan Kumar Singh	15.05.1990	Fitter	Rolling Mill_2	M	76	5.9	NORMAL	O+	Clear	83	88	5	97.2	96	-1.2	120/80	120/80	0/0	14	93%	Nil	Fit
52	Dhananjay Ghosh	1986	Helper	Rolling Mill_1	M	50	5.6	UNDER WEIGHT	O+	Clear	92	94	2	98	97.3	-0.7	122/80	124/82	2/2	14	99%	Nil	Fit
53	Rupesh Kumar	1992	Fitter	Rolling Mill_2	M	73	5.2	OVER WEIGHT	B+	Clear	117	94	-23	94.7	97.6	2.9	120/80	120/80	0/0	14	99%	Nil	Fit
54	Rajiv Mahato	1985	Fitter	Rolling Mill_1	M	72	5.6	NORMAL	B+	Clear	78	86	8	94.8	97.3	2.5	122/80	120/80	-2/0	14	98%	Nil	Fit
55	Bindu Yadav	26/05/1905	Fitter	Rolling Mill_1	M	54	4.6	OVER WEIGHT		Clear	85	85	0	95.8	97.3	1.5	110/70	118/70		14	98%	Nil	Fit
56	Binay Singh	22.10.1994	Helper	Rolling Mill_2	M	71	5.6	NORMAL	A+	Clear	98	98	0	97	97.2	0.2	118/80	118/80		14	98%	Nil	Fit

DR. R. K. SHARMA

Regd. Medical Practitioner

14 Regd. No. - 5415

Low BP



Heat Stress Analysis Report

Date : 18.09.2023

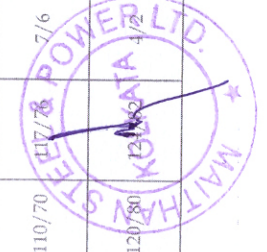
57	Dhruba Nath	11/06/1905	Jr. Fitter	Rolling Mill_1	M	56	5.6	NORMAL	B+	Clear	110	96	-14	94.6	96.1	1.5	120/80	122/80	2/0	14	99%	Nil	Fit	
58	Swapan Routh	01.01.1983	Operation	Rolling Mill_1	M	56	5.4	NORMAL	O+	Clear	61	78	17	95.8	98.1	2.3	118/78	120/80	2/2	14	98%	Nil	Fit	
59	Dinesh Kumar	02.03.1999	Fitter	SMS_2	M	46	5.3	UNDER WEIGHT		Clear	62	72	10	94.6	96.7	2.1	100/60	106/65	6/5	14	95%	Anemia	UnFit	Low BP
60	Bholu Bhuiya	12/06/1905	Helper	SMS_2	M	46	5.3	UNDER WEIGHT		Clear	62	85	23	95.8	98.2	2.4	100/60	108/60	8/0	14	95%	Nil	Fit	Low BP
61	Aslam Ansari	05.05.1980	Sr.Fitter	SMS_2	M	61	5.2	NORMAL	A+	Clear	81	81	3	96.7	95.1	-1.6	120/80	120/80	0/0	14	98%	Nil	Fit	
62	Aru Kumar Yadav	06.10.1997	Jr.Fitter	SMS_2	M	64	5.1	OVER WEIGHT	AB+	Clear	72	80	8	94.1	94.8	0.7	118/76	120/80	2/4	14	99%	Nil	Fit	
63	Sodan Kumar Mahato	04.01.1973	Sr.Fitter	SMS_2	M	68	5.6	NORMAL	O+	Clear	78	80	2	94.3	95	0.7	115/78	118/78	3/0	14	97%	Nil	Fit	
64	Jaypratap Singh	02.02.1989	Welder	SMS_2	M	68	5.3	OVER WEIGHT	B+	Clear	107	96	-11	94.9	99.2	4.3	120/80	120/80	0/0	14	97%	Nil	Fit	
65	Somnath Das	05.05.1998	Sr. Engineer	SMS_1	M	80	5.7	OVER WEIGHT	O+	Clear	94	96	2	97.3	96	-1.3	118/76	120/78	2/2	14	97%	Nil	Fit	
66	Dhanraj Kumar Ray	23.02.1998	Fitter	SMS_2	M	50	5.2	NORMAL		Clear	80	88	8	97.6	98.5	0.9	110/70	118/76	8/6	14	98%	Nil	Fit	Low BP
67	Kiran Sarkar	01.02.1975	Welder	SMS_2	M	78	5.7	OVER WEIGHT	O+	Clear	91	92	1	97.3	99.3	2	120/80	120/80	0/0	14	98%	Nil	Fit	
68	Raju Kumar Viswakarma	10.02.1995	Turner	SMS_1	M	69	5.5	NORMAL		Clear	71	72	1	97.3	97.3	0	114/75	118/75	4/0	14	99%	Nil	Fit	
69	Goutam Kumar	01.01.1990	Sr. Fitter	SMS_1	M	76	5.8	NORMAL	A-	Clear	80	84	4	95.6	99	3.4	120/80	122/82	2/2	14	98%	Nil	Fit	
70	Manas Dutta	29.07.1988	Jr. Fitter	SMS_1	M	64	5.7	NORMAL	B+	Clear	83	84	1	98.2	96.2	-2	110/70	117/76	7/6	14	98%	Regd. Medical Practitioner	Fit	Low BP
71	Kamal Yadav	17.11.1985	Fitter	Pharma	M	75	5.7	NORMAL	B+	Clear	83	88	5	94.8	99.3	4.5	120/80	120/80	4/2	14	98%	Nil	Fit	

DR. R. K. SHARMA

Regd. Medical Practitioner

14 Regd. No - 5415

Low BP

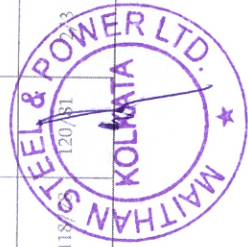


Heat Stress Analysis Report

Date : 18.09.2023

72	Ajay Kumar Singh	15.03.1968	Manager	SMS_2	M	75	5.6	OVER WEIGHT	B+	Clear	90	94	4	94.2	97.2	3	122/82	120/80	-2/-2	14	99%	Nil	Fit
73	Sekhar Jabir Hussain	17.03.1980	Jr. Fitter	SMS_1	M	68	5.8	NORMAL	O+	Clear	72	88	16	97.8	99.4	1.6	120/78	120/80	0/0	14	95%	Nil	Fit
74	Ajay Giri	01.01.1976	Welder	SMS_1	M	81	5.8	OVER WEIGHT	B+	Clear	76	80	4	96.2	97	0.8	130/90	130/90	0/0	14	95%	Nil	Fit
75	Partha Mahato	02.04.1991	Helper	SMS_1	M	52	5.5	NORMAL	O+	Clear	86	90	4	94.8	98.2	3.4	120/80	120/80	0/0	14	95%	Nil	Fit
76	Sahab Deen Mansuri	20.10.1995	Helper	SMS_1	M	79	5.8	OVER WEIGHT	O+	Clear	76	92	16	96.4	97.8	1.4	110/76	117/78	7/2	14	97%	Nil	Fit
77	Birender Kumar Raj	25.12.1982	Welder	SMS_1	M	75	5.4	OVER WEIGHT	O+	Clear	70	85	15	97.6	98	0.4	120/78	120/80	0/0	14	98%	Nil	Fit
78	Saikat Samanta	22.05.1998	Engineer(Mech.)	SMS_2	M	74	5.7	NORMAL	A+	Clear	80	86	6	94.7	97.1	2.4	116/76	118/76	2/0	14	99%	Nil	Fit
79	Dharmender Kumar	13.09.1989	Sr. Fitter	SMS_1	M	69	5.6	NORMAL	B+	Clear	92	96	4	97	97.2	0.2	120/80	120/80	0/0	14	98%	Nil	Fit
80	Anubhav Kumar	01.02.1996	Jr. Engineer	SMS_2	M	69	5.8	NORMAL	O+	Clear	83	94	11	97.1	96.3	-0.8	115/75	120/80	5/5	14	98%	Nil	Fit
81	Shyam Kumar	12.03.1997	Jr. Fitter	SMS_2	M	54	5.6	NORMAL		Clear	76	94	18	95.8	97.1	1.3	120/80	120/80	0/0	14	98%	Nil	Fit
82	Guddu Kumar Yadav	10.03.1991	Welder	SMS_2	M	61	5.5	NORMAL	A+	Clear	70	95	25	99	96	-3	100/68	110/70	10/2	14	98%	Nil	Fit
83	Mid Ashit Rayeen	14.02.2000	Welder	SMS_2	M	59	5.4	NORMAL		Clear	87	88	1	98.6	97.3	-1.3	120/80	118/80	-2/0	14	99%	Nil	Fit
84	Chandrama Yadav	01.01.2001	Helper	SMS_2	M	62	5.5	NORMAL		Clear	86	88	2	95.1	96.2	1.1	118/78	120/82	2/4	14	98%	Nil	Fit
85	Vijay Shankar	15.10.1990	Fitter	SMS_1	M	70	5.5	NORMAL	AB+	Clear	87	93	6	97.3	99.3	2	118/81	120/81	3	14	98%	Nil	Fit

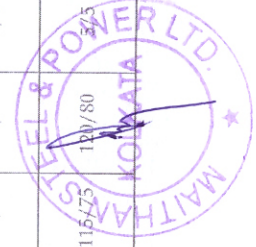
DR. R. K. SHARMA
Regd. Medical Practitioner
Regd. No. - 5415



Heat Stress Analysis Report

Date : 18.09.2023

86	Pappu Kumar Das	02.01.1994	Welder	SMS_2	M	50	5.2	NORMAL	B+	Clear	99	96	-3	97.6	97.3	-0.3	110/70	115/76	5/6	14	99%	Nil	Fit	Low BP
87	Gouranga Mahato	03.06.1991	Jr. Electrician	SMS_2	M	71	5.8	NORMAL	A+	Clear	86	94	8	97.3	99	1.7	110/70	110/70	0/0	14	98%	Nil	Fit	Low BP
88	Rajesh Gope	30.08.2001	Welder	SMS_2	M	65	5.6	NORMAL	A+	Clear	78	88	10	95.7	99.2	3.5	120/80	124/82	4/2	14	98%	Nil	Fit	
89	Manjit Kumar	15.08.1998	Welder	SMS_2	M	50	5.4	UNDER WEIGHT	B+	Clear	102	96	-6	96.3	96.5	0.2	118/78	120/80	2/2	14	99%	Nil	Fit	
90	Birbal Mahato	15.08.1998	Welder	SMS_2	M	51	5.3	NORMAL		Clear	72	103	31	96.9	98.5	1.6	122/80	122/82	0/2	14	98%	Nil	Fit	
91	Prem Chand Kumar	12.02.1991	Jr. Fitter	SMS_2	M	68	5.2	OVER WEIGHT	O+	Clear	73	85	12	95.8	97.2	1.4	120/80	118/78	-2/-2	14	95%	Nil	Fit	
92	Sajal Ray	01.05.1994	Welder	SMS_2	M	48	5.6	UNDER WEIGHT		Clear	87	90	3	95.1	97.2	2.1	110/70	110/68	0/-2	14	95%	Nil	Fit	Low BP
93	Nikhil Roy	01.08.1985	Welder	SMS_2	M	58	5.7	NORMAL	A+	Clear	66	70	4	94.8	96.3	1.5	110/70	118/78	8/8	14	98%	Nil	Fit	Low BP
94	Uday Prakash Sharma	20.04.1993	Trainee Tech.	SMS_1	M	58	5.5	NORMAL	O+	Clear	92	94	2	97.8	97.1	-0.7	110/75	118/76	8/1	14	99%	Nil	Fit	
95	Ashok Das	14.06.1981	Shift Incharge	Rolling Mill-1	M	60	5.5	NORMAL	O+	Clear	85	90	5	94.5	98.2	3.7	116/78	120/78	4/0	14	96%	Nil	Fit	
96	Dinesh Mondal	15.02.1995	Asst. Engineer	Rolling Mill-1	M	74	5.8	NORMAL	B+	Clear	65	70	5	96.2	96.1	-0.1	120/80	122/80	2/0	14	98%	Nil	Fit	
97	Nisith Mondal	12.2.1986	Electrician	Rolling Mill-1	M	65	5.3	NORMAL	a+	Clear	94	94	0	94.2	98.1	3.9	118/78	119/78	1/0	14	98%	Nil	Fit	
98	Ajay Mondal	25.04.1995	AC Technician	All	M	50	5.4	UNDER WEIGHT	B+	Clear	82	94	12	96.3	96.7	0.4	120/80	120/80	0/0	14	99%	Nil	Fit	
99	Indrajit Banerjee	03.03.2001	DET	Rolling Mill-1	M	56	5.5	NORMAL	O+	Clear	74	92	18	95	98.2	3.2	115/75	120/80	5/5	14	99%	Nil	Fit	



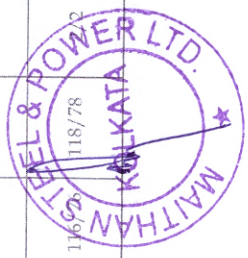
DR. R. K. SHARMA
Regd. Medical Practitioner
Regd. No. - 5415

Heat Stress Analysis Report

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100	Satrudhan Kumar Singh	13.06.1984	Pulpit Operator	Rolling Mill-1	M	57	5	NORMAL	O+	Clear	79	80	1	97.3	95.1	-2.2	122/82	118/78	-4/-4	14	98%	Nil	Fit
101	Chittaranjan Gorai	26.02.2001	DET	Rolling Mill-1	M	49	5.3	NORMAL	O+	Clear	84	95	11	95.6	94.8	-0.8	115/75	118/76	3/1	14	96	Nil	Fit
102	Subhendu Ghosh	28.09.1995	Asst. Engineer	SMS_1	M	48	5.2	NORMAL	A+	Clear	74	94	20	98.2	97.8	-0.4	115/75	118/78	3/3	14	98%	Nil	Fit
103	Biswa Mohon Singh	2/10/1986	Shift Incharge	Rolling Mill-2	M	73	5.3	OVER WEIGHT	O+	Clear	86	94	8	95.8	97.8	2	120/80	120/80	0/0	14	98%	Nil	Fit
104	Akhay Dutta	15.04.1996	AC Technician helper	Electrical	M	48	5.8	UNDER WEIGHT		Clear	91	92	1	96.5	96.5	0	110/70	110/70	0/0	14	98%	Nil	Fit
105	Munna Bihari Yadav	15.09.1996	Pulpit Operator	Rolling Mill-1	M	60	5.9	NORMAL		Clear	74	80	6	94.2	97	2.8	115/75	120/80	5/5	14	98%	Nil	Fit
106	Rohit Kumar	15.01.1989	Assistant Engineer	SMS_1	M	59	5.5	NORMAL	O+	Clear	68	70	2	96.8	97.1	0.3	120/80	118/78	-2/-2	14	97%	Nil	Fit
107	Krishna Ram	18.12.1996	Electrician	Rolling Mill-1	M	43	5.2	UNDER WEIGHT	O+	Clear	122	94	-28	94.8	95.8	1	100/60	106/65	6/5	14	97%	Nil	Fit
108	Arnab Tiwary	03.04.1993	Junior Engineer	SMS_1	M	72	5.6	NORMAL	A+	Clear	82	88	6	95.8	99	3.2	118/78	120/78	2/0	14	98%	Nil	Fit
109	Sanjay Kumar Jha	12.10.1974	Assistant Engineer	SMS_1	M	58	5.4	NORMAL	B+	Mild cough	83	90	7	96.2	98.6	2.4	116/78	118/78	2/0	16	97%	Nil	Fit
110	Abhijit Goswami	24.03.1982	Pulpit Operator	Rolling Mill-2	M	74	5.6	OVER WEIGHT	O+	Clear	84	86	2	94.7	97.2	2.5	124/80	124/82	0/2	14	98%	Nil	Fit
111	Jiten Kumar Mondal	25/10/2000	DET	Substation	M	72	5.6	NORMAL	A+	Clear	97	96	-1	97.8	98.6	0.8	118/78	122/80	4/2	14	96%	Nil	Fit
112	Kanhiya Lal Tiwary	21/01/1992	Electrician	SMS_2	M	65	5.7	NORMAL	AB+	Clear	86	90	4	97.6	99	1.4	124/80	120/80	-4/0	14	98%	Nil	Fit
113	Arup Mondal	15/3/1994	Junior Engineer	SMS_2	M	54	5.3	NORMAL	A+	Clear	84	87	3	95.4	96.8	1.4	116/78	118/78	-4/0	14	98%	Nil	Fit

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



Heat Stress Analysis Report

IT

114	Raj Kumar Bandri	31.03.1990	GEI	Rolling Mill- 2	M	75	5.7	NORMAL	O+	Clear	110	96	-14	93.8	95	1.2	120/80	120/80	0/0	14	98%	Nil	Fit
115	Mithun Kumbhakar	5/3/1994	Junior Engineer	SMS_2	M	66	5.4	NORMAL	O+	Clear	74	80	6	98.1	98.2	0.1	116/75	120/80	4/5	14	99%	Nil	Fit
116	Rajesh Kumar	07.07.1993	Electrician	SMS_2	M	64	5.1	OVER WEIGHT	O+	Clear	83	94	11	97	98.5	1.5	120/80	120/80	0/0	14	98%	Nil	Fit

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

R. Sharma
Signature with date of the Factory Medical Officer/Title Certifying Surgeon



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

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

ANNEXURE – XI

OCCUPATIONAL HEALTH & SAFETY (OHS) RECORD



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

Serial No. in the Register of adult worker:

Name of worker: **Mr. Jitendra Kumar Thakur**

Sex: **Male** 4. Date of Birth: **12.01.1983**

1	2	3	4	5	6	7	8	9
Department work	Name of hazardous process	Dangerous process/operation	Name of job or occupation	Raw materials, products or by products likely to be exposed to	Date of posting	Date of transfer to other work	Reason for discharge/transfer to other work	Signs and symptoms observed during examination
M/S			Manager		08.09.21			
					10.09.22			
					13.09.22			
					18.03.23			

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

REGISTER

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

examination and the results thereof	If debarred unit for work				Date of discharging from unit or from that work	Date of issue of fitness Certificate	Signature with date of the Factory Medical Officer or the Certifying Surgeon
	Period of Temporary Debarment from that work	Reasons for such debarment	Period of fitness	Fit			
10 Bp - 118/78 Pulse - 88/M chest - clear RR - 14/M height - 5.6 weight - 65 kgs ECG - AT Anaemia - Nil	11				15	16	DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415 
Bp - 115/80 chest - clear Pulse - 76/M RR - 14/M height - 5.6 weight - 64 kgs Anaemia - Nil ECG - AT							DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415 
Bp - 118/80 Pulse - 76/M chest - clear RR - 14/M height - 5.6 weight - 65 kgs Anaemia - Nil ECG - AT							DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415 
Bp - 120/80 Pulse - 72/M chest - clear RR - 14/M height - 5.6 weight - 65 kgs Anaemia - Nil ECG - AT							DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415 



HEALTH

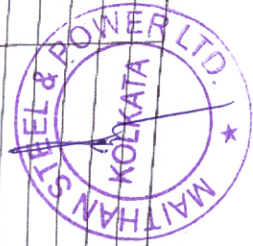
Serial No. in the Register of adult worker : **11**
 Name of worker : **Ms. Swarnap Das Gupta**
 Sex : **Male** 4. Date of Birth : **10.12.1977**

1	2	3	4	5	6	7	8	9
Sl. No.	Name of hazardous process	Longevity process/operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of transfer to other work	Reason for discharge/transfer to other work	Medical fitness and symptoms observed on examination
1	SMS-LAB		Helper		08.09.21			
					20.08.22			
					13.09.22			
					18.03.29			

REGISTER

as amended vide Notification No. 1183-LX-1R-4/91 dated 27th Nov. 1991

examination and the results thereof		If declared unfit for work				Signature with date of the Practitioner and Officer / Surgeon	
10	11	12	13	14	15	16	
Nature of test & results thereof	Result	Period of temporary withdrawal from work	Reasons for such withdrawal	Date of return from unfit for work	Date of return from unfit for work		
BP - 122/82 Pulse - 78/M Chest - clear RR - 14/M Height - 5'6" Weight - 72kgs Bionomic - Nil SpO2 - 98%	Fit						<i>R. K. SHARMA</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
BP - 125/80 Pulse - 74/M Chest - clear RR - 14/M Height - 5'6" Weight - 73kgs Bionomic - Nil SpO2 - 98%	Fit						<i>R. K. SHARMA</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
BP - 118/78 Pulse - 78/M Chest - clear RR - 14/M Height - 5'8" Weight - 73kgs Bionomic - Nil SpO2 - 98%	Fit						<i>R. K. SHARMA</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
BP - 116/78 Pulse - 78/M Chest - clear RR - 14/M Height - 5'8" Weight - 73kgs Bionomic - Nil SpO2 - 98%	Fit						<i>R. K. SHARMA</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415



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

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: **Mr. Rabin Ghosh**
3. Sex: **Male**
4. Date of Birth: **20.06.1933**

1	2	3	4	5	6	7	8	9
Department/works	Name of hazardous process	Dangerous operations	Name of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of transfer to other work	Reason for discharge/transfer to other work	Medical signs and symptoms examined during examination
M.S. LAB			Chemist		02.03.12			
					18.03.12			
					13.03.12			
					18.03.12			

1. Separate cards should be maintained for individual worker.
2. Each entry should be made for each exam made.

REGISTER

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

10	11	12	13	14	15	16
Nature of tests & tests thereat	Result	Period of temporary withdrawal from fit work	Reasons for such withdrawal	Date of discontinuation of fit work	Date of issuing of fit to work Certificate	Signature with title of the Practising Medical Officer / the Certifying Surgeon
BP - 120/82 Chest - Clear Pulse - 88/m RR - 14/m Height - 5.6" Weight - 62 kgs Spoon - 98% Anemia - Nil Blood group - O+	Fit					<i>[Signature]</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
BP - 120/82 Chest - Clear Pulse - 76/m Height - 5.6" Weight - 62 kgs Anemia - Nil Blood group - O+	Fit					<i>[Signature]</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
BP - 118/80 Chest - Clear Pulse - 86/m Height - 5.6" Weight - 62 kgs Anemia - Nil Blood group - O+	Fit					<i>[Signature]</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
BP - 120/80 Chest - Clear Pulse - 88/m Height - 5.6" Weight - 62 kgs Anemia - Nil Blood group - O+	Fit					<i>[Signature]</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415



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

Serial No. in the Register of adult worker: Mo. Jagdish Shaw
 Name of worker: Mo. Jagdish Shaw
 Sex: Male 4. Date of Birth: _____

1	2	3	4	5	6	7	8	9
Name of hazardous process	Concurrent process/occupation	Nature of job or occupation	Flies, noxious products or by products likely to be exposed to	Date of posting	Date of transfer to other work	Reason for discharge/transfer to other work	Medical Signs and symptoms observed during examination	
<u>Mill</u>		<u>Roll Assembly</u>		<u>04/10/21</u>				
		<u>Fitter</u>		<u>05/04/22</u>				
				<u>08/10/22</u>				
				<u>04.04.23</u>				

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

REGISTER

as amended vide Notification No. 1183-13V-IR-191 dated 27th Nov. 1991

10	11	12	13	14	15
Name of tests & results thereof	Result	Reason for temporary withdrawal from that work	Reasons for such withdrawal	Date of clearing him for that work	Date of issuing of Certificate
<u>Bp - 118/80</u>	<u>Fit</u>				
<u>Pulse - 96/m</u>					
<u>Chest - clear</u>					
<u>RR - 14/m</u>					
<u>Height - 5'1"</u>					
<u>Appearance - Nil</u>					
<u>Spitz - 97</u>					
<u>Bp - 125/80</u>					
<u>Pulse - 86/m</u>					
<u>Chest - clear</u>					
<u>RR - 14/m</u>					
<u>Height - 5'1"</u>					
<u>Appearance - Nil</u>					
<u>Spitz - 97</u>					
<u>Bp - 118/80</u>					
<u>Pulse - 96/m</u>					
<u>Chest - clear</u>					
<u>RR - 14/m</u>					
<u>Height - 5'1"</u>					
<u>Appearance - Nil</u>					
<u>Spitz - 97</u>					
<u>Bp - 125/80</u>					
<u>Pulse - 76/m</u>					
<u>Chest - clear</u>					
<u>RR - 14/m</u>					
<u>Height - 5'1"</u>					
<u>Appearance - Nil</u>					
<u>Spitz - 97</u>					

Signature with title of Factory Medical Officer the Certifying Surgeon

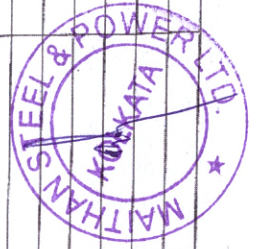
4/lehony

Dr. Sadhanu Mondal
 MBBS (C) D.C.A. (D) J
 Authorized Medical Attendant
 Regd. No. - 50291 (WB-37)

DR. R. K. SHARMA
 Regd. No. - 54

DR. R. K. SHARMA
 Regd. No. - 54

DR. R. K. SHARMA
 Regd. No. - 54



FORM NO. 17

HEALTH

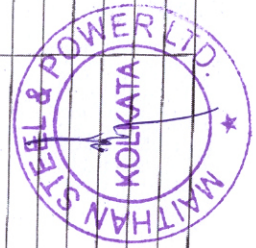
- 1. Serial No. in the Register of adult worker: .
- 2. Name of worker: Regiv Banerjee
- 3. Sex: Male Date of Birth: 20.04.74

Department works	Name of hazardous process	Dangerous procedure operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of leaving register or ceasing work	Reason for over/under transfer to other work	Signs and symptoms observed on medical examination
1	2	3	4	5	6	7	8
ADMIN	None of hazardous process		Assistance Time Keeper		4/10/74		
					08/10/74		
					05/04/75		
					10/10/77		
					04/04/78		

REGISTER

as amended vide Notification No. 1183-LV-IRJ291 dated 27th Nov. 1991

10	11	12	13	14	15	16
Nature of tests & results thereof	Result	Period of temporary absence from that work	Reasons for such withdrawal	Date of declaring fit to return to work	Date of issue of fitness Certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
Bp - 120/80 Pulse - 74/m RR - 14/m Chest - clear Wt - 58 kg Ht - 5'8"	Fit					<i>[Signature]</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
Bp - 120/80 Pulse - 72/m RR - 14/m Wt. - 62 kg Ht. - 5'8"	Fit					<i>[Signature]</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
Bp - 124/82 Pulse - 73/m RR - 14/m Wt. - 60 kg Ht. - 5'8"	Fit					<i>[Signature]</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
Bp - 120/80 Pulse - 70/m RR - 14/m Wt. - 61 kg Ht. - 5'8"	Fit					<i>[Signature]</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415
Bp - 124/84 Pulse - 74/m RR - 14/m Wt. - 66 kg Ht. - 5'8"	Fit					<i>[Signature]</i> DR. R. K. SHARMA Regd. Medical Practitioner Regd. No. - 5415



185 - 1. Separate page should be maintained for individual worker.
2. Each page should be numbered for easy circulation.

HEALTH

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

FORM NO. 17

1. Serial No. in the Register of adult worker :
 2. Name of worker : **Mr. Akash Ranjan**
 3. Sex : **Male** 4. Date of Birth : **29.10.1999**

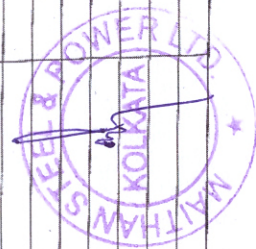
1	2	3	4	5	6	7	8	9
Department/works	Name of hazardous process	Dangerous process/operation	Nature of job or occupation	How melioidosis, pneumoconiosis or byproducts likely to be exposed to	Date of posting	Date of return to other work	Reason for absence or transfer to other work	Symptoms observed during suspension
Mr. Office			Assistant		18.09.21			
					26.08.21			
					17.09.21			
					19/09/22			

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

REGISTER

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

10	11	12	13	14	15	16
Signature with date of the Factory Register Officer / Surgeon	Result F40/HR	Period of Temporary withdrawal from that work	Reasons for such withdrawal	Date of declaring fit for work	Date of issuing Medical Certificate	
	Fit					
	BP - 116/70 Pulse - 83/40 Chest - Clear RR - 24/m HT - 5'4" WT - 60kg Anemia - Nil Blood group - B+					
	Fit					
	BP - 120/80 Pulse - 82/m Chest - clear RR - 17/m HT - 5'4" WT - 62kg Anemia - Nil Blood group - B+					
	Fit					
	BP - 118/72 Pulse - 80/m Chest - Clear RR - 14/m HT - 5'4" WT - 64kg Anemia - Nil Blood group - B+					
	Fit					
	BP - 120/80 Pulse - 87/m Chest - clear RR - 14/m HT - 5'4" WT - 63kg Anemia - Nil Blood group - B+					



DR. R. K. SIARM
 Regd. Medical Officer
 Regd. No. - 5415

DR. R. K. SIARM
 Regd. Medical Officer
 Regd. No. - 5415

DR. R. K. SIARM
 Regd. Medical Officer
 Regd. No. - 5415

HEALTH

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

- Serial No. in the Register of adult worker: _____
- Name of worker: Mr. Ramesh Kumar
- Sex: Male Date of Birth: 04.01.1980

Department/works	Name of hazardous process	Organism's process/operation	Nature of job or occupation	Raw materials, products or by-products they are exposed to	Date of posting	Date of leaving/transfer to other work	Reason for discharge/transfer to other work	Signs and symptoms observed during examination	Medical
1	2	3	4	5	6	7	8	9	10
<u>Dispatch</u>			<u>Excavation</u>		<u>02/4/21</u>				
					<u>03/10/79</u>				
					<u>04/04/82</u>				
					<u>06/10/82</u>				
					<u>08/04/83</u>				

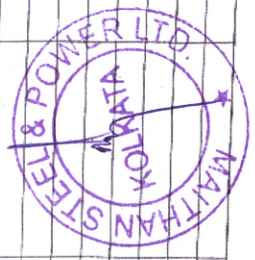
1. Separate page should be maintained for individual worker.
2. Full entry should be made for each examination.

REGISTER

as amended vide Notification No. 1183-LW-4R-491 dated 27th Nov. 1991]

No. _____

examination and the results thereof	Period of Temporary withdrawal from that work	Reasons for such withdrawal	Date of declaring him unfit for that work	Date of fitness Certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
10	11	12	13	14	15
Value of tests & results thereof: BP - 110/80 Pulse - 70/m RR - 28/m HT - 5'6" WT - 75kg Blood group - B+	Fit				<u>[Signature]</u> 10/12
BP - 114/72 Pulse - 88/m RR - 14/m HT - 5'6" WT - 72kg Blood group - B+	Fit				<u>[Signature]</u> 10/12
BP - 110/74 Pulse - 85/m RR - 14/m HT - 5'6" WT - 70kg	Fit				<u>[Signature]</u> 10/12
BP - 118/82 Pulse - 87/m RR - 17/m HT - 5'6" WT - 73kg	Fit				<u>[Signature]</u> 10/12
BP - 120/80 Pulse - 90/m RR - 27/m HT - 5'6" WT - 70kg	Fit				<u>[Signature]</u> 10/12



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

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

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

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

ANNEXURE – XII

CORPORATE ENVIRONMENTAL RESPONSIBILITY (CER) REPORT





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 : 22317052BDGWBK7180

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 Re-rolling Mill & M.S. Billet plant at Mouza: Nakrajoria, P.O.: Salanpur-713 357, Dist.: Paschim Bardhaman (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. 2020-21, 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 2022-24
		2020-21	2021-22	
Strengthening of villages approach roads, making drainages etc.	25.00	40.23	--	CER EXPNDITURE ACHIVED
Engaging under privilege women in self-help group to make them sustainable.	10.00	--	--	
Infrastructure developments & assisting school in other renovation job	20.00	--	15.66	
Health Camp and Health Care facilities to villages.	15.00	25.16	9.83	
Sinking of new bore wells, pipelines in villages	35.00	40.34	--	
Providing supports & awareness of local farmers	5.00	--	10.38	
Avenue plantation & plantation in community	10.00	--	--	
Miscellaneous Expenses	10.00	2.00	5.55	
Total:--	130.00	107.73	41.42	

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 – XIII

REPORT ON RECURRING COST ON ENVIRONMENTAL SAFEGUARD



Recurring Cost Incurred on Environmental Safeguard

Maithan Steel & Power Ltd. (Unit-II)

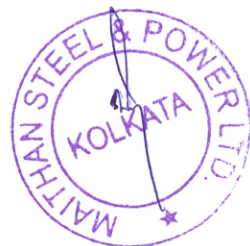
Year	Particulars	Narration	Amount
Apr'23 - Sep'23	Green Belt Development	Maintenance, labour cost etc.	4,10,000
	House Keeping	Labour charges, Drainage Cleaning and other materials	7,69,200
	Analysis & Monitoring of Environmental Parameters	Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis	99,000
	O&M on APC Devices	Operation & Maintenance cost, Electricity consumption etc. on APC Device installed.	40,19,800
TOTAL			52,98,000



Environment Department
M/S Maithan Steel & Power Ltd

ANNEXURE – XIV

EC CLEARANCE ADVERTISEMENT



ইত্যাদি

অসম চিফ পবিত্র
বিনাম মাপন
অসম চিফ পবিত্র
অসম চিফ পবিত্র
অসম চিফ পবিত্র
অসম চিফ পবিত্র
অসম চিফ পবিত্র
অসম চিফ পবিত্র

জন্মদিন

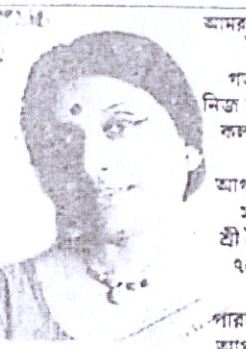


শ্রীমান বরণ মোহ
জন্ম: 12.6.1939
মৃত্যু: 2.7.2018
মৃত্যু কাল অসুস্থতায়
পড়েছে দুকে এখনও
রয়েছে বেঁচে তোমার মৃত্যু
নিম্নে। হতাশা গহীনা-
অনুপমা (শ্রী), অনিতা
(কন্যা), প্রবীর (জামাতা)
পার্বী (সৌমিত্র),
পার্বীসাবরী (পুত্র), গার্গী
(পুত্রবধূ)। ঘোষ পরিবার
উত্তরপাড়া, 1C19



শ্রীমতী প্রতিমা সুবোধ্যায়
আশিতম জন্মতিথিতে আমাদের প্রণাম।
মিপি পিছু
মানু রাজাবাবু বুদ্ধ
দশহরা। ২৮শে জ্যৈষ্ঠ, ১৪২৬

শোকসংবাদ



শোকসম্প্রদ- অমিত, অয়ন (পুত্রবধূ), শ্রমণা (কন্যা)
ও গুহঠাকুরতা পরিবার

নাম পরিবর্তন

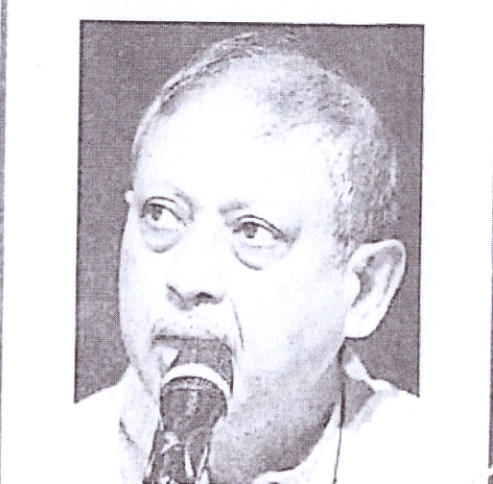
This is for information that I, Bimal Kumar Ghoshal s/o Dwijendra Lal Ghoshal, declared vide affidavit No. 19/19 dated 23.05.2019 that my name is wrongly mentioned in my Navy Service Book (Navy Ex - Sea - 1, 94636 H) as Bimal Krishna Ghoshal in place of Bimal Kumar Ghosal (As mentioned in my Aadhar, Voter and Pan Card). Both are one and same identical person only.

আবাসন

A+ কিডনি চাই,
প্রকৃতনাতা পরিচয়পত্র সহ
সহর যোগাযোগ করুন, ২৪
বছরের মহিলার জন্য।
Mobile-8420441081
1029124-2888722
আমাদের A+ O+ গ্রুপের
একটি কিডনি প্রয়োজন।
স্বইচ্ছায় আপনারা
যোগাযোগ করুন, সমস্ত
ডকুমেন্টস নিয়ে আসবেন,
বয়স 26 থেকে 42 চলবে।
M-7872500282
1029115-2888877
O+ / B+ blood group
এর সচিৎ পরিচয় পত্রসহ
কিডনী দাতা চাই।
7449440841.
10254-2888327

স্মৃতির উদ্দেশে

“বন্ধু হে আমার রয়েছ দাঁড়িয়ে”



আশিস সেনগুপ্ত
১৪.০১.১৯৫১ - ১২.০৬.২০১৮
রুমকি (সুদেষ্ণা), বিশ্ব (অব্যা),
বুলু (সুমিত্রা), মা (পদ্মা),
ধ্বনি, শুভি (অনুরাধা),
সাত্বিক ও চাকনু (শৌমকজিৎ)

তোমার সং, নির্ভীক জীবন

হোক আমাদের পাথেয়
রাজনৈতিক বিশ্লেষক
অধ্যাপক
ডঃ অমিয় চৌধুরীর
প্রয়াণের (১২/৬/১৮)
প্রথম বর্ষে
শুণমুহুর্ত সুহৃদ ও
পরিবারবর্গ

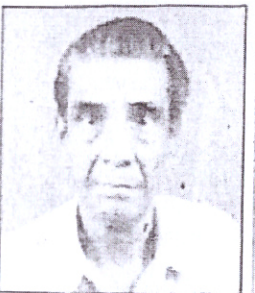


মৃগালকান্তি গুপ্ত
“প্রভু আমার প্রিয় আমার
পন্নম ধন যে। চিরপথের
সঙ্গী আমার চিরজীবন যে।”
অধ্যাপক মৃগালকান্তি গুপ্তর
প্রথম প্রয়াণ বার্ষিকীতে দুঃখ
ও কষ্টের মধ্যে দিয়ে তাঁকে
স্মরণ করি। চির সঙ্গী-
শিপ্রা গুপ্ত।
102540-2888180



স্বর্গীয় ভারতী বসু স্মরণে
“মরণে ঘাসিছ তুমি, কাঁদিয়ে
তোমার সোনার সংসার, যায়
আর কি কখনো ফিরে পাব
সে জীবন” - শ্রী শিবব্রত বসু,
শিলা।
13713-2888067

নিবন্ধন



রবীন্দ্রনাথ নাথ (75)
শ্যামবর্ণ, পরগে জিল নীল
রঙের লুসি হাফ হাতা জামা।
কথা বলতে পারেন না।
সকান পেলে দয়া করে
যোগাযোগ করুন-
9231611738 / 8585862841
1078956-2888327

নোটিস

This is for the information of public that M/s Malthan 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-11011/697/2008-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.nlc.in/>
18223-2888768

অবহিত হইবেন যে আমার মজেল
শ্রী সূজয় শ্রীমল, পিতৃ: প্রমোদ জগদল
শ্রীমল সাকিন- ১৬/২, গড়িয়াহাট
রোড, থানা: গড়িয়াহাট, জলকাতা:
৭০০০১৯-এর নিকট হইতে
আসিপুর ২৪ পরগণায় সব-
মেজিষ্ট্রেটের অফিসে রেজিস্টার্ড
১৯৬৯ বর্ষের নং ২৮৬৪ পরগণা বহি-
নং ১, ডিসিউম নং ৬২, পৃষ্ঠা ১২৫-
১৩১ সম্বন্ধিত ২৪.০২.১৯৬৯
তারিখের একটি ইনডেক্সর অফ পিঞ্জ
খোয়া দিয়েছে। কোনও ব্যক্তি উক্ত
দলিল খুঁজিয়া পাইলে তিনি
নিম্নস্বাক্ষরকারীর সচিৎ যোগাযোগ
করিবেন:
সান্তনু সিংহ
আতডাকটে
ফোন: ৯০০৭০৮৪৯২৫
ই-মেল santanuady@yahoo

ব্যক্তিগত বিজ্ঞাপনের জন্য যোগাযোগ করুন
9831133455 • 9614115115

The Telegraph
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MUMBAI AND BEYOND
5.00 DELHI AND
BEYOND CHENNAI
AND BEYOND
BANGALORE
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Classified for
Sunday 16.06.2019
please call:
Calcutta * 9830993838
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)
Sattick and Chaku (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
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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 -
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-11011/697/2008-IA-
II(D), 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 23,000 TPA.
Copies of clearance letter
are available with Heads
of local bodies,
Panchayats and
Municipal bodies and
may also be seen at
<http://environmentclearance.milind.com>

My clients want to take the
property at their disposal for
development from **SRI SUJJOY
SRIMAL** son of Mr. Jyoti
Srimal residing at 16/2
Gariahat Road, Police Station
Gariahat, Kolkata-700 019.
Anyone having any lawful
claim or objection in the
property, please submit the
application within 30 days
from the publication. After
expiry of that, development
application will be submitted.
Ref: All that land measuring
08 catthas 09 chittas = 32
square feet with a three
storey building measuring
600 square feet, being at
plot No. 5 J.L.No.34, Mouza
No.151, Mauza Bado Rapur,
known as P-5 Rejoint Estate
corresponding to Kolkata
Municipal Corporation, pre-
mises No.175/145, Rapur
Road under Kolkata Municipal
Corporation, Ward No.95
Police Station- Ballygunge
(previously - Tollygunge)
Kolkata-700 092.

Santanu Singha
Advocate
Ph : 8007081625
E Mail: santanuadv@yahoo.in

Please note that a certificate
of lease dated 24.05.1999
bearing Book No. Volume
No.32 Pages 125-21 being
no.2824 for the year 1999
registered with the office
of Sub-Registrar of Alipore
24-Parganas, is found lost
from my client - **SRI SUJJOY
SRIMAL** son of late Jugal
Srimal residing at 16/2
Gariahat Road, Police
Station-Gariahat, Kolkata-700
019. Any one if finds the
said deed please contact
the undersigned.

Santanu Singha
Advocate
Ph : 8007081625
E.Mail: santanuadv@yahoo.in

TENDER
ULUBERIA MUNICIPALITY
Uluberia, Howrah
Email: uluberia.municipality@gmail.com
Tender Notice
Notice inviting Tender
NIT-UBMAD/UM/
04/e-Tender/2019-20
dated 10.06.2019 for
Purchase of D.I Pipe
Details are available in
www.wbtender.gov.in
www.uluberia.municipality.org

E-TENDER
Secretary, Purba
Medinipur Zilla Milk
Invt. Co. Ltd. invites
of development project
ID: 2019-WBSMB/
2019/05-1/227091/1/
2019/11/227127-1/
227129-1/227127-1/
Closing on 03/07/2019 at
12.00 Noon. Please visit
www.wbtenders.gov.in
(through Org. Search
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.
Base 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_SH_227488_1
Tender Reference Number:
NIQ-01/2019-20/EE/SHPD-I PW(R)DTE
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
Deshapriya Park at Sarat Bose Road Crossing &
(C) towards National Library near Bekar Road
and Belvedere Road in Kolkata, West Bengal.
Tender ID: 2019_SH_227524_1
Tender Reference Number:
NIQ-02/2019-20/EE/SHPD-I PW(R)DTE
Tender documents are available in the website
of <https://wbtenders.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
WBIW/SE/WC-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 and <http://etender.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 Dte
Tamluk, Purba Medinipur

कोलकाता पोर्ट ट्रस्ट
KOLKATA 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	17.00 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 * 7044400205
Outside Calcutta
* 9614115115

STATE HEALTH & FAMILY WELFARE SOCIETY TRIPURA (NATIONAL HEALTH MISSION)
Request for Proposal
Tender Ref: No.F.3(4-8)-
PLAN/DHS/2006/Vol.
X(SUB)
Dated: 06/06/2019
Request for Proposal
For
Teleophthalmology
Services

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