

Ref. MSPL_Nakrajoria/ENV COMPL /June-2021

Date: 06/08/2021

To,

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

Sub. Six Monthly (June 2021) compliance report for M/s Maithan Steel & Power Limited

Ref: - EC No- J -11011/679/2008-IA II (I); Dated 16th April 2019

Dear Sir,

With reference to the above, we are hereby submitting the six monthly compliance reports period from October 2020 to March 2021 for EC No- J -11011/679/2008-IA II (I); Dated 16th April 2019; for expansion of Steel Melting Shop (IF with LF & CCM: from 135000 TPA to 375000 TPA; Rolling Mill: from 90000 TPA to 297000; Cold Drawing Workshop: 33000 TPA at Nakrajoria, PS-Salanpur, Dist-Burdwan (W), West Bengal in the name of M/s Maithan Steel & Power Limited, 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), 'Southend Enclave', 502, 5th Floor, 1582, Rajdanga Main Road, Kolkata-700107
2. The Senior Environmental Engineer, Asansol Regional Office, West Bengal Pollution Control Board, ADDA, Commercial Market (2nd Floor), Opposite Asansol Fire Station, GT Road, Asansol, Dist.- Paschim Bardhaman, Pin-713301

Enclosures:-

1. Compliance Report for EC;
2. Copy of Hazardous waste authorisation as Annexure-I.
3. Copy of OCEMS data from October, 2020 to March, 2021 as Annexure-II.
4. Copy of Fugitive Emission Report as Annexure-III.
5. Copy of AAQM Report as Annexure-IV.
6. Ground water sampling Report is enclosed as Annexure-V.
7. Copy of Ambient & Work Noise Quality Monitoring Report Annexure-VI.
8. Copy of Form 10 of Hazardous waste for the financial year (20320-2021) as Annexure-VII.
9. Copy of Occupational Health Report as Annexure-VIII.
10. Copy of CER cost as Annexure-IX.
11. Recurring Cost Detail as Annexure-X.

Registered Office

9, A.J.C. Bose Road,
Ideal Centre, 6th floor,
Kolkata -700 017
Ph : +91 33 39877200

CIN : U27102WB2001PLC093321

Works : Unit : I

P.O. Bonra, P.S. : Neturia -723121,
Dist. Purulia (W.B.)
Ph : +91 8651540007

E-mail : info@maithansteel.com

Works : Unit : II

Chittaranjan Road
P.O. & P.S. : Salanpur - 713357
Dist. Paschim Bardhaman (W.B.)
Ph : +91 74777 47478 / 79 / 80

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 90000 TPA to 297000 TPA; Cold Drawing Workshop: 33,000 TPA by M/s Maithan Steel & Power Ltd located at Nakrajoria, P.S-Salanpur, Dist-Burdwan (W), W.B

Clearance Letter/s No. and date: -

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

Period of Compliance Report -

October'2020 to March'2021

A. Specific Conditions:

Sr. No	Conditions	Compliance Status
	The project proponent shall plan for re-charging of rain water equivalent to the amount of the water abstracted from the ground.	For the current operational plant, water requirement is fulfilled by surface water from Damodar Valley Corporation (DVC) after obtaining the permission from the concerned authority. So, ground water is not abstracted for the project.
ii	100% hot charging has to be done and no reheating furnace will be used.	For the current operational plant, there is no provision of re heating furnace as 100% hot metal will pass through CCM to hot rolling mill.

B. General Conditions:

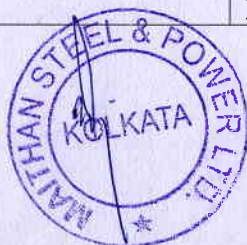
I. Statutory Compliance		
Sr. No	Conditions	Compliance Status
i	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of pollution) Act, 1981 and the water (prevention & Control of Pollution) Act, 1974 from the state pollution Control Board/Committee.	Being complied with & Will be complied too Consent to establish and consent to operate permissions have been obtained for the installation and operation of 1, 83,000 TPA SMS (4 x 15 T I.F with CCM), 1, 98, 000 TPA Rolling Mill (1 x 600 TPD) & 33,000 TPA Cold Drawing Workshop (1X100 TPD), which is only a part of total approved configuration. We also obtained Consent to establish permission for 1, 92,000 TPA SMS (3 x 20 T I.F with matching LRF and CCM) and 99,000 TPA



		Rolling Mill (1 x 300 TPD) and before starting the operation of the project as per obtained NOC, the application for Consent to Operate permission will be made shortly to the West Bengal Pollution Control Board.
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. 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.	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 and the same is attached as Annexure- I.
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 30th May 2008 as amended from time to time; S.O. 3305 (E) dated 7th 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.	The Online Continuous Emission Monitoring System (OCEMS) is installed with the process stack connected with currently operational 4 x 15 T I.F as per CPCB guidelines and the 24x7 online data is transferred to CPCB server through online portal. The OCEMS data for the six monthly period (October, 2020 to March, 21) is attached as Annexure- II.
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.	Already Being complied with & will be complied too Fugitive Emissions are monitored Near TMT Loading Shed area and near Induction Furnace Shed area by third party monitoring agency M/s Eco Care, Asansol which is NABL accredited laboratory. As per the fugitive emission monitoring reports submitted, fugitive emissions were monitored in the month of November, 2020.



		Fugitive Emission Report is attached as Annexure-III.
iii	The project proponent shall install carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x in reference to SO ₂ 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>Already Being complied with & will be complied too</p> <p>Ambient Air Quality Monitoring (AAQM) is being done on regular basis by WBPCB/ MoEF&CC/ NABL accredited laboratories.</p> <p>Ambient Air Quality (AAQ) are monitored at four locations by third party monitoring agency Eco Care, Asansol which is NABL accredited laboratory. As per the ambient Air Quality monitoring reports submitted, ambient emissions were monitored in the month of November, 2020.</p> <p>AAQM Reports are attached as Annexure - IV.</p>
iv	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>Already Being complied with & will be complied too</p> <p>The 24 x 7 OCEMS data, stack monitoring report, Ambient Air Quality & Fugitive emission reports are attached with this report for your ready reference.</p>
v	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>Already Being complied with & will be complied too</p> <p>Existing SMS (04 x 15 T-I. F) is equipped with bag filters, hood and I.D. Fans. All bag houses are design to meet the standard below prescribed limit and Adequate dust suppression is provided in material storage areas, material unloading and transfer points for controlling fugitive emission and the dust from APC devices are collected and reused in the process.</p> <p>To mitigate the fugitive emission movable water sprinkler 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>



vi	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better functioning of bag houses.	Already being complied with & will be complied too From visual observation of stack emissions and differential pressure check in bag house, damage of bags is detected & damage bags are replaced taking S/D of IF unit. In running condition bags are cleaned by pulse air jet using cleaning timer cycle.
vii	Provide Pollution Control system in the sponge iron plant as per CREP Guidelines of CPCB.	Not Applicable The unit is not having any sponge iron plant.
viii	Sufficient number of mobile or stationary vacuum cleaners shall be provided to clean plant roads shop floors, roofs, regularly.	Already Being complied with & will be complied too Mobile vacuum road swiping machine is continuously engaged for road swiping and cleaning inside the plant premises.
ix	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution devices and vacuum cleaning devices in the process after briquetting / agglomeration.	Not Applicable For the current operational plant, iron ore, coal or coke are not used in the process.
x	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation;	Already Being complied with & will be complied too For the current operational plant, raw materials are coming to plant through fully covered trucks and without valid PUC, no truck is not allowed to enter inside the plant premises.
xi	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	Unit uses sponge iron, Pig iron and iron scrap as raw materials. So wind shelter fence and chemical spraying are not applicable.
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 30th may 2008; S.O. 3305 (E) dated 7th 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)	As the plant is based on "Zero Liquid Discharge" concept, so no waste water is discharged outside the plant premises. For the current operational plant 1, 83,000 TPA SMS (4 x 15 T I.F with CCM), 1, 98,000 TPA Rolling Mill (1 x 600 TPD) & 33,000 TPA Cold Drawing Workshop (1X100 TPD), water is only used for cooling which is reused in process and the domestic waste water is reused for developing green belt and dust suppression system after treating in the Sewage Treatment Plant.
ii	The project proponent shall monitor regularly the ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment(protection) Act,1986 and NABL accredited laboratories.	Agreed.
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.	Already Being complied with & will be complied too Drinking water & Effluent Water monitoring is being done on regular basis WBPCB/ MoEF&CC/ NABL accredited laboratories. Eco Care, West Bengal which is NABL/ MoEF accredited laboratory has done the analysis at two locations viz. Plant Main Gate/Store & Supply Water through Tanker in the month of October, 2020. The water analysis reports are attached in Analysis Report as Annexure - V .
iv	Adhere to 'zero liquid Discharge'.	Already being complied with & will be complied too As the plant is based on "Zero Liquid Discharge" concept, so no waste water is discharged outside the plant premises. The water is only used for cooling which is reused in process and the domestic waste water is reused for developing green belt



		and dust suppression system after treating in the Sewage Treatment Plant.
v	Sewage Treatment plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Already Being complied with We have already installed 100 KLD STP for domestic waste water and it is working properly.
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.	Already Being complied with & Will be complied too 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.
vii	The project proponent shall practice rainwater harvesting to maximum possible extent.	Rain water harvesting system is being implemented. The rain water will be harvested & stored in the rainwater harvesting pond and will be used in process during summer season.
viii	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation and treatment of used water, practicing cascade use and by recycling treated water.	Already Being complied with & Will be complied too The water is only used for cooling which is reused in process and the domestic waste water is reused for developing green belt and dust suppression system after treating in the Sewage Treatment Plant.
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.	Already Being complied with & Will be complied too Noise Monitoring is being done on regular basis by WBPCB/ MoEF&CC/ NABL accredited laboratories. Eco Care, West Bengal which is NABL/ MoEF accredited laboratory has done the analysis at three locations viz. Near Administrative Office, Near Bag Filter Stack & Near TMT Loading Shed in the month of November, 2020. The Ambient & Work Zone Noise quality monitoring reports are attached in Analysis Report as Annexure - VI .



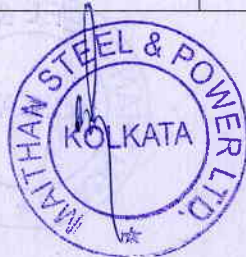
ii	The ambient noise levels should confirm to the standards prescribed under E (P) A rules, 1986 viz. 75dB (A) during day time to 70 dB (A) during night time.	Green belt all around the boundary line and acoustic control hood at vulnerable points have been provided and ambient Noise in day and night time are within norms.
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.	Agreed. And is in the process of implementation
iv	Provide LED lights in their offices and residential areas.	Agreed. And is in the process of implementation
VI. Waste management		
i	Used refractories shall be recycled as far as possible.	Project does not generate refractories as it does not have DRI Kilns.
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.	No fly ash generated, Hence not applicable.
iii	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Trans boundary Movement) Rules, 2016.	Already Being complied with & Will be complied too Used oil has been sold to WBPCB authorized recycler (Here, i.e., BA.MA oil industries) and cotton waste/ Jute containing oil have been sent CHWTSDF (Here, i.e. West Bengal Waste Management Limited). FORM -10 for the financial year 2020-21 have been attached as Annexure- VII.
iv	Kitchen waste shall be composted or converted to biogas for further use.	Kitchen waste is composted and is used as manure in gardening.
VII. Green Belt		
i	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	33% of total area i.e.10.27 ha has been earmarked for green belt development. In financial year 2020-21, around 3,000 nos. of trees are planted and the survival



		<p>rate is 90.0% and 1,000 trees will be planted soon inside the plant premises. In coming two years balance trees will be planted as per accorded Environment Clearance.</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.	The project will not generate 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 Sanjay Agarwal, Executive-commercial has been formed to face emergency and disaster.
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 in High temperature zone is changed frequently.
iii	Provision shall be made for the housing of construction labor 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 Labor.
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/Will be complied too</p> <p>Occupational health surveillance of the workers is being periodically accessed and records are being maintained as per the Factories Act 1948.</p> <p>OHS record is enclosed as Annexure-VIII.</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 1st 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-X.
ii	The company shall have a well laid down environmental policy duty 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 duty approved by Board of Directors. Standard Operating Procedure for individual equipment's have been printed and distributed to supervisors for ready reference. Important parameters have been displayed in working area. Board Resolution regarding environmental policy was already submitted with six-monthly report.
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.	Already being complied with 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.
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.	Already Being Complied with & Will be complied too Adequate funds have been deployed in CAPEX and OPEX and 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-X.
v	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Agreed Already Being Complied with & Will be complied too



		The company has ISO 9001, IOS 14001 & ISO 14001 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.
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.
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 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.	Agreed to update on half-yearly basis.
iv	The project proponent shall monitor the criteria pollutants levels level namely; PM10, SO2, NOx (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.	Already Being Complied with & Will be complied too The management of MSPL (M/s. Maithan Steel & Power Limited) is monitoring criteria pollutants level namely; PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) by third party monitoring agency. Emission levels of pollutants of different units is displayed on board as per CPCB format outside the main gate of the plant for disclosure to the public and also uploaded 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.	Already Being Complied with & Will be complied too Six-monthly report on the status of compliance of the stipulated environmental conditions are being submitted to MoEF&CC and will be displayed in 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.	Already Being Complied with & Will be complied too For the financial year 2019-20, Environmental Statement in prescribed format was submitted to the West Bengal Pollution Control Board and for the financial year 202-2021, the same will be submitted shortly.
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 Private Company, no finance is needed from outside.
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.	Noted
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).	Noted
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.	Noted



Anurekane - I



WEST BENGAL POLLUTION CONTROL BOARD

(Department of Environment, Govt. of West Bengal)

Paribesh Bhawan

Bldg. No. 10 A, Block-LA, Sector-III, Bidhan Nagar,
Kolkata - 700 098

Tel : 0091 (033) 2335-9088 / 8861 / 8211 / 8073 / 6731

2335-0261 / 8212 / 8213 / 7428 / 5975

Fax : 0091 (033) 2335 6730 / 2813

Website : www.wbpcb.gov.in, e-mail : [wbpcnet@wbpcb.gov.in](mailto:wbpccnet@wbpcb.gov.in)

Authorisation letter no.:

Memo No. 10/2S(HW)-4406/2020

Date: 28.01.2021
2020

FORM 2

Grant of Authorization under the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

Ref.: Application authorization dated 13.12.2020 for management & handling of Hazardous & Other Waste (Management & Transboundary) Rules, 2016 and its amendment thereafter.

M/s. Maithan Steel and Power Ltd, Unit-II

Chittaranjan Road, PO & PS- Salanpur, Dist: Paschim Bardhaman, Pin: 713357 is hereby granted an authorisation based on the enclosed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal, or any other use of hazardous or other wastes or both on the **Chittaranjan Road, PO & PS- Salanpur, Dist: Paschim Bardhaman, Pin: 713357.**


Details of Authorisation

Sl. no.	Category of Hazardous Waste as per the Schedule I, II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing etc.	Quantity (Ton/year)
1.	5.2	Disposal to CHWTSDF. *	0.01
2.	5.1	Recycling through authorized recyclers. *	0.178

* For detail refer to Specific Conditions.

(1) Authorization shall be valid for a period upto **30.10.2025** with effect from the date of issue

(2) The authorization is subject to the following general and specific conditions:


[Chief Engineer]

West Bengal Pollution Control Board

Subrata Ghosh

Chief Engineer

West Bengal Pollution Control Board

(Department of Environment, Government of West Bengal)



E-30128/2013

A. General conditions of authorization:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be three months before the expiry of such authorisation.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th every year for the period ending 31st March of that year.

B. Specific conditions:

1. The unit shall store the hazardous wastes (category wise separately) under shade in an environment friendly safe manner within the premises at designated places and the unit shall not store hazardous waste on site for more than 90 days.
2. Waste or residue containing oil (5.2) shall be disposed to the CHWTSDF through Manifest system (Form-10).
3. Used oil (5.1) shall be sold through manifest system (Form 10) to the authorized recyclers having valid authorization of the State Pollution Control Board . During each sale, original Pass-book issued by SPCB to the authorized recyclers shall be endorsed mentioning the quantity and copy of the same shall be kept as record. If not fit for recycling shall be sent to CHWTSDF with manifest system.
4. The unit shall submit copies of Form 10 to the State Board on a regular basis.




5. Transport of hazardous and other waste shall be in accordance with the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016, guidelines issued by the Central Pollution Control Board (CPCB) and rules made under the Motor Vehicles Act, 1988.

The responsibility of safe transport shall be either of the sender or the receiver whosoever arranges the transport and this responsibility shall be clearly indicated in the Manifest.

6. Records of hazardous waste generation, storage and disposal shall be maintained properly and shall be available to the inspecting officials of the State Board during inspection.
7. The unit shall update regularly the environmental information in Display Boards as per the order of the Hon'ble Supreme Court dated. 14.10.2003 in W.P.(C) NO.657 of 1995.
8. Authorisation will be revoked in case of non-compliances with any of the above conditions.

✓ M/s. Maithan Steel and Power Ltd, Unit-II
Chittaranjan Road, PO & PS- Salanpur,
Dist: Paschim Bardhaman, Pin: 713357

Encl: As stated


[Chief Engineer]
West Bengal Pollution Control Board
Subrata Ghosh
Chief Engineer
West Bengal Pollution Control Board
(Department of Environment, Government of West Bengal)



Stack_1 _Induction Furnace_Maithan-U-2_ Salanpur - Live:01/Oct/2020 - 31/
Mar/2021

Timestamp	SPM(mg/Nm3)
2021-03-31T00:00:00	26.08
2021-03-30T00:00:00	27.72
2021-03-29T00:00:00	26.51
2021-03-28T00:00:00	27.04
2021-03-27T00:00:00	28.34
2021-03-26T00:00:00	27.82
2021-03-25T00:00:00	27.63
2021-03-24T00:00:00	27.58
2021-03-23T00:00:00	27.64
2021-03-22T00:00:00	26.57
2021-03-21T00:00:00	26.91
2021-03-20T00:00:00	25.97
2021-03-19T00:00:00	25.06
2021-03-18T00:00:00	
2021-03-17T00:00:00	
2021-03-16T00:00:00	
2021-03-15T00:00:00	
2021-03-14T00:00:00	
2021-03-13T00:00:00	
2021-03-12T00:00:00	
2021-03-11T00:00:00	
2021-03-10T00:00:00	26.77
2021-03-09T00:00:00	25.49
2021-03-08T00:00:00	36.18
2021-03-07T00:00:00	41.2
2021-03-06T00:00:00	40.23
2021-03-05T00:00:00	39.41
2021-03-04T00:00:00	35.91
2021-03-03T00:00:00	39.14
2021-03-02T00:00:00	41.52
2021-03-01T00:00:00	41.34
2021-02-28T00:00:00	41.73
2021-02-27T00:00:00	40.38
2021-02-26T00:00:00	39.45
2021-02-25T00:00:00	38.77
2021-02-24T00:00:00	35.96
2021-02-23T00:00:00	35.5
2021-02-22T00:00:00	35.21
2021-02-21T00:00:00	35.64
2021-02-20T00:00:00	36.13
2021-02-19T00:00:00	35.85
2021-02-18T00:00:00	36.62
2021-02-17T00:00:00	37
2021-02-16T00:00:00	36.27



Timestamp	SPM(mg/Nm3)
2021-02-15T00:00:00	36.76
2021-02-14T00:00:00	36.38
2021-02-13T00:00:00	36.04
2021-02-12T00:00:00	35.95
2021-02-11T00:00:00	36.25
2021-02-10T00:00:00	36.05
2021-02-09T00:00:00	36.3
2021-02-08T00:00:00	36.73
2021-02-07T00:00:00	36.12
2021-02-06T00:00:00	35.32
2021-02-05T00:00:00	35.99
2021-02-04T00:00:00	36.65
2021-02-03T00:00:00	38.1
2021-02-02T00:00:00	37.45
2021-02-01T00:00:00	35.29
2021-01-31T00:00:00	37.47
2021-01-30T00:00:00	
2021-01-29T00:00:00	
2021-01-28T00:00:00	
2021-01-27T00:00:00	
2021-01-26T00:00:00	
2021-01-25T00:00:00	
2021-01-24T00:00:00	
2021-01-23T00:00:00	
2021-01-22T00:00:00	
2021-01-21T00:00:00	
2021-01-20T00:00:00	37.16
2021-01-19T00:00:00	37.28
2021-01-18T00:00:00	
2021-01-17T00:00:00	
2021-01-16T00:00:00	
2021-01-15T00:00:00	36.87
2021-01-14T00:00:00	36.31
2021-01-13T00:00:00	36.83
2021-01-12T00:00:00	37.31
2021-01-11T00:00:00	37.26
2021-01-10T00:00:00	37.79
2021-01-09T00:00:00	38.32
2021-01-08T00:00:00	39.53
2021-01-07T00:00:00	39.16
2021-01-06T00:00:00	39.23
2021-01-05T00:00:00	39.15
2021-01-04T00:00:00	37.68
2021-01-03T00:00:00	37.79
2021-01-02T00:00:00	36.9
2021-01-01T00:00:00	37.27
2020-12-31T00:00:00	39.31

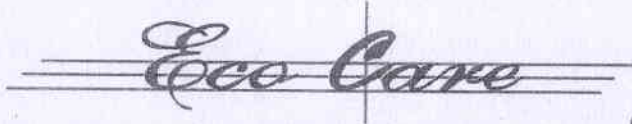


Timestamp	SPM(mg/Nm3)
2020-12-30T00:00:00	38.45
2020-12-29T00:00:00	36.89
2020-12-28T00:00:00	36.04
2020-12-27T00:00:00	34.8
2020-12-26T00:00:00	33.13
2020-12-25T00:00:00	32.57
2020-12-24T00:00:00	39.09
2020-12-23T00:00:00	37.11
2020-12-22T00:00:00	35.13
2020-12-21T00:00:00	35.52
2020-12-20T00:00:00	36.3
2020-12-19T00:00:00	33.88
2020-12-18T00:00:00	29.23
2020-12-17T00:00:00	29.82
2020-12-16T00:00:00	
2020-12-15T00:00:00	
2020-12-14T00:00:00	
2020-12-13T00:00:00	29.89
2020-12-12T00:00:00	30.8
2020-12-11T00:00:00	31.8
2020-12-10T00:00:00	31.24
2020-12-09T00:00:00	32.94
2020-12-08T00:00:00	35.6
2020-12-07T00:00:00	36.79
2020-12-06T00:00:00	33.24
2020-12-05T00:00:00	34.34
2020-12-04T00:00:00	34.19
2020-12-03T00:00:00	27.41
2020-12-02T00:00:00	28.11
2020-12-01T00:00:00	20.22
2020-11-30T00:00:00	11.65
2020-11-29T00:00:00	23.7
2020-11-28T00:00:00	29.64
2020-11-27T00:00:00	28.69
2020-11-26T00:00:00	22.29
2020-11-25T00:00:00	29.86
2020-11-24T00:00:00	14.62
2020-11-23T00:00:00	30.01
2020-11-22T00:00:00	25.09
2020-11-21T00:00:00	33.36
2020-11-20T00:00:00	22.25
2020-11-19T00:00:00	29.22
2020-11-18T00:00:00	34.54
2020-11-17T00:00:00	35.44
2020-11-16T00:00:00	36.83
2020-11-15T00:00:00	40.38
2020-11-14T00:00:00	34.04



Timestamp	SPM(mg/Nm3)
2020-11-13T00:00:00	34.49
2020-11-12T00:00:00	
2020-11-11T00:00:00	
2020-11-10T00:00:00	
2020-11-09T00:00:00	
2020-11-08T00:00:00	
2020-11-07T00:00:00	
2020-11-06T00:00:00	
2020-11-05T00:00:00	
2020-11-04T00:00:00	
2020-11-03T00:00:00	
2020-11-02T00:00:00	
2020-11-01T00:00:00	
2020-10-31T00:00:00	
2020-10-30T00:00:00	31.13
2020-10-29T00:00:00	31.38
2020-10-28T00:00:00	30.1
2020-10-27T00:00:00	30.87
2020-10-26T00:00:00	31.77
2020-10-25T00:00:00	32.75
2020-10-24T00:00:00	29.61
2020-10-23T00:00:00	29.59
2020-10-22T00:00:00	32.34
2020-10-21T00:00:00	33.31
2020-10-20T00:00:00	31.24
2020-10-19T00:00:00	31.28
2020-10-18T00:00:00	31.13
2020-10-17T00:00:00	32.04





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Manoj Talkies Basement, Kumarpur
ASANSOL-713304 (W.B.)

ULR NO – TC51092000000867F

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

TEST REPORT

Report Release Date : 28.11.2020	Sample Ref. No.(ARF) : EC/ARF/29/201119
Test Report No : EC/TR/42/11033	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 25.11.2020
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 26.11.20 to 27.11.20
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited (Unit – II) Mouza – Nakrajoria P.O & P.S – Salanpur Dist – Paschim Barddhaman 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	24.6 °C	2	Barometric Pressure	754 mm Hg
3	Average Relative Humidity	54.0 %	4	Weather Condition	Clear Day

1. Sampling Location : In Side TMT Loading Shed Area

Sl. No.	Parameters	Test Method	Results
1	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	419.89 µg/M ³

2. Sampling Location : In Side Induction Furnace Shed Area

Sl. No.	Parameters	Test Method	Results
1	Concentration of Suspended Particulate Matter	IS : 5182 (Part – 4)	483.60 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.

N. Agarwalla

Authorised Signatory

NIRANJAN LAL AGARWALLA
B Tech MS (USA), A.M.I.E.
Scientist & Chief Executive



Annexure - IV



Eco Care



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ASANSOL-713304 (W.B.)

ULR NO – TC51092000000865F

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

TEST REPORT

Report Release Date : 28.11.2020	Sample Ref. No.(ARF) : EC/ARF/29/201119
Test Report No : EC/TR/42/11031	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 23.11.20 to 24.11.20
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 26.11.20 to 27.11.20
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited (Unit – II) Mouza – Nakrajoria P.O & P.S – Salanpur Dist – Paschim Barddhaman 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	24.6 °C	2	Barometric Pressure	754 mm Hg
3	Average Relative Humidity	54.0 %	4	Weather Condition	Clear Day

AMBIENT AIR QUALITY ANALYSIS REPORT

TEST METHOD	IS : 5182 (Part – 2)	IS : 5182 (Part – 6)	IS : 5182 (Part – 23)	EPA CFR40 (pt 50), Appendix I
PARAMETERS	SO 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
1. Sampling Location : Near Administrative Office				
Shift - A (09:30 AM To 05:30 PM)	28.52	35.50	71.24	36.24
Shift - B (05:40 PM To 01:40 AM)	16.80	25.34	59.32	
Shift - C (01:50 AM To 09:50 AM)	20.70	31.44	67.08	
Average (Shift - A To Shift - C)	22.01	30.76	65.88	
2. Sampling Location : Near Bag Filter Stack				
Shift - A (10:00 AM To 06:00 PM)	36.33	41.60	69.43	39.14
Shift - B (06:10 PM To 02:10 AM)	24.61	34.15	62.27	
Shift - C (02:20 AM To 10:20 AM)	32.42	39.57	78.06	
Average (Shift - A To Shift - C)	31.12	38.44	69.92	

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.

CA Agarwalla

Authorised Signatory
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B Tech, M. Sc., M. Engg., A.M.I.E.
Scientist & Senior Executive





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ASANSOL-713304 (W.B.)

ULR NO – TC510920000000866F

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

TEST REPORT

Report Release Date : 28.11.2020	Sample Ref. No.(ARF) : EC/ARF/29/201119
Test Report No : EC/TR/42/11032	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 24.11.20 to 25.11.20
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 26.11.20 to 27.11.20
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Maithan Steel & Power Limited (Unit – II) 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	25.2 °C	2	Barometric Pressure	754 mm Hg
3	Average Relative Humidity	57.0 %	4	Weather Condition	Clear Day

AMBIENT AIR QUALITY ANALYSIS REPORT

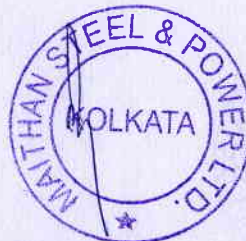
TEST METHOD	IS : 5182 (Part – 2)	IS : 5182 (Part – 6)	IS : 5182 (Part – 23)	EPA CFR40 (pt 50), Appendix I
PARAMETERS	SO ₂ (µg/M ³)	NO _x (µg/M ³)	PM ₁₀ (µg/M ³)	PM _{2.5} (µg/M ³)
Method Detection Limit	5	8	20	10
3. Sampling Location : Near Staff Quarter				
Shift - A (09:00 AM To 05:00 PM)	24.61	27.37	70.18	34.64
Shift - B (05:10 PM To 01:10 AM)	12.89	19.24	57.71	
Shift - C (01:20 AM To 09:20 AM)	16.80	24.66	62.26	
Average (Shift - A To Shift - C)	18.10	23.76	63.38	
4. Sampling Location : Near Central Store				
Shift - A (09:20 AM To 05:20 PM)	32.42	36.18	49.43	30.31
Shift - B (05:30 PM To 01:30 AM)	20.70	26.02	65.21	
Shift - C (01:40 AM To 09:40 AM)	28.52	33.47	58.76	
Average (Shift - A To Shift - C)	27.21	31.89	57.80	

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.

Niranjan Lal Agarwalla

Authorised Signatory

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ASANSOL-713304 (W.B.)

ULR NO – TC51092000000676P

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

TEST REPORT

Report Release Date : 13.10.2020	Sample Ref. No (ARF) : EC/ARF/29/201010
Test Report No : EC/TR/42/10013	Source of Sample : SMS & Rolling Mill
Type of Sample : Water	Sampling Date : 08.10.2020
Sample Collected by : Party	Period of Analysis : 08.10.20 to 09.10.20
Sample Details : R.O. Water	Sampling Location : Near Store/Main Gate
Name & Address : Maithan Steel & Power Limited (Unit – II) Mouza – Nakrajoria P.O & P.S – Salanpur Dist – Paschim Barddhaman Pin No – 713357 West Bengal	Sample Condition : Sealed & Preserved Sample Stamped as : “MS – 01” Sample Drawn By : Party Remarks : --- Sampling Plan & Procedure : EC/SOP/03/01 Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (APHA 23 rd Edition)	Standards (IS:10500)	Results
1	pH at 25.6 °C		4500-H ⁺ B	6.5 – 8.5	6.67
2	TDS	mg/l	2540 C	500.0	130.60
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO ₃)	mg/l	2320 B	200.0	42.23
5	Chloride (as Cl ⁻)	mg/l	4500 – Cl ⁻ B	250.0	6.36
6	Calcium (as Ca ²⁺)	mg/l	3500 – Ca B	75.0	18.81
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	69.36
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.25
10	Sulphate (as SO ₄ ⁻²)	mg/l	4500 – SO ₄ ⁻² E	200.0	39.50
11	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	5.45
12	Arsenic	mg/l	3500 As – B	0.01	< 0.01
13	Colour	Hazen	2320B	5.0	< 5.0
14	Fluoride (as F)	mg/l	3500 – Fe B/D	1.0	0.23
15	Nitrate (as NO ₃ ⁻)	mg/l	4500 – NO ₃ ⁻ E	45.0	1.25
16	Chlorine Residul	mg/l	4500 – Cl ⁻ B	0.2	< 0.50
17	Odour	--	2150B	Agreeable	Agreeable
18	Taste	--	2160 B	----	Agreeable
19	T. Coliform	MPN/100ml	9221 B	Not Detectable	Not Detected
20	E. Coli or Thermo tolerant Coliform Bacteria	MPN/100ml	9221 B	Absent	Absent

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



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 Scientist & Chief Executive



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Manoj Talkies Basement, Kumarpur

ASANSOL-713304 (W.B.)

ULR NO – TC51092000000677P

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

TEST REPORT

Report Release Date : 13.10.2020	Sample Ref. No (ARF) : EC/ARF/29/201010
Test Report No : EC/TR/42/10014	Source of Sample : SMS & Rolling Mill
Type of Sample : Supply Water	Sampling Date : 08.10.2020
Sample Collected by : Party	Period of Analysis : 08.10.20 to 09.10.20
Sample Details : Supply Water (Drinking Water)	Sampling Location : Supply Water Through Tanker
Name & Address : Maithan Steel & Power Limited	Sample Condition : Sealed & Preserved
(Unit – II)	Sample Stamped as : "MS – 02"
Mouza – Nakrajoria	Sample Drawn By : Party
P.O & P.S – Salanpur	Remarks : ----
Dist – Paschim Barddhaman	Sampling Plan & Procedure : EC/SOP/03/01
Pin No – 713357	Deviation if any : None
West Bengal	

Sl. No.	Parameters	Unit	Test Method (APHA 23 rd Edition)	Standards (IS:10500)	Results
1	pH at 25.5 °C		4500-H ⁺ B	6.5 – 8.5	6.84
2	TDS	mg/l	2540 C	500.0	132.10
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO ₃)	mg/l	2320 B	200.0	42.23
5	Chloride (as Cl ⁻)	mg/l	4500 – Cl ⁻ B	250.0	6.36
6	Calcium (as Ca ²⁺)	mg/l	3500 – Ca B	75.0	17.99
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	67.32
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.22
10	Sulphate (as SO ₄ ⁻)	mg/l	4500 – SO ₄ ²⁻ E	200.0	37.12
11	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	5.45
12	Arsenic	mg/l	3500 As – B	0.01	< 0.01
13	Colour	Hazen	2320B	5.0	< 5.0
14	Fluoride (as F)	mg/l	3500 – Fe B/D	1.0	0.22
15	Nitrate (as NO ₃)	mg/l	4500 – NO ₃ ⁻ E	45.0	1.39
16	Chlorine Residual	mg/l	4500 – Cl ⁻ B	0.2	< 0.50
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.
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Niranjan Lal Agarwalla
Authorised Signatory

NIRANJAN LAL AGARWALLA
B Tech MS (USA) A.M.I.E.
Scientist & Chief Executive



Eco Care



NABL ACCREDITED
Certificate No. TC-5109

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Specialised House on Environmental Monitoring, Analysis, Assessment & Management

ISO 9001 : 2015 Certified, OHSAS 18001:2007 Certified

E-mail : ecocareasansol@rediffmail.com

Manoj Talkies Basement, Kumarpur

ASANSOL-713304 (W.B.)

ULR No – TC51092000000678F

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

TEST REPORT

Report Release Date	: 13.10.2020	Sample Ref. No.(ARF)	: EC/ARF/29/201010
Test Report No	: EC/TR/42/10015	Source of Sample	: SMS & Rolling Mill
Type of Sample	: Water	Sampling Date	: 08.10.2020
Sample Collected by	: Party	Period of Analysis	: 08.10.20 to 12.10.20
Sample Details	: Effluent Water	Sampling Location	: Pond Outlet
Name & Address	: Maithan Steel & Power Limited (Unit – II) Mouza – Nakrajoria P.O & P.S – Salanpur Dist – Paschim Barddhaman Pin No – 713357 West Bengal	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: “MS – 03”
		Sample Drawn By	: Party
		Remarks	: ----
		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 25.3 °C		4500-H ⁺ B	5.5 – 9.0	8.11
2	TSS	mg/l	2540 D	100.0	71.80
3	TDS	mg/l	2540 C	2100.0	824.10
4	BOD (3 days) at 27.0 °C	mg/l	IS 3025 (Part - 44): 1993	30.0	27
5	COD	mg/l	5220 B	250.0	90.72
6	Oil & Grease	mg/l	5520 B	10.0	5.36

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Manoj Talkies Basement, Kumarpur

ASANSOL-713304 (W.B.)

ULR No – TC51092000000679F

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

TEST REPORT

Report Release Date : 13.10.2020	Sample Ref. No.(ARF) : EC/ARF/29/201010
Test Report No : EC/TR/42/10016	Source of Sample : SMS & Rolling Mill
Type of Sample : Water	Sampling Date : 08.10.2020
Sample Collected by : Party	Period of Analysis : 08.10.20 to 12.10.20
Sample Details : Effluent Water	Sampling Location : Plant Outlet (Near Pond Inlet)
Name & Address : Maithan Steel & Power Limited (Unit – II) Mouza – Nakrajoria P.O & P.S – Salanpur Dist – Paschim Bardhaman Pin No – 713357 West Bengal	Sample Condition : Sealed & Preserved Sample Stamped as : "MS – 04" Sample Drawn By : Party Remarks : ---- 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 25.5 °C		4500-H ⁺ B	5.5 – 9.0	7.65
2	TSS	mg/l	2540 D	100.0	94.70
3	TDS	mg/l	2540 C	2100.0	307.20
4	BOD (3 days) at 27.0 °C	mg/l	IS 3025 (Part - 44): 1993	30.0	28
5	COD	mg/l	5220 B	250.0	100.80
6	Oil & Grease	mg/l	5520 B	10.0	8.21

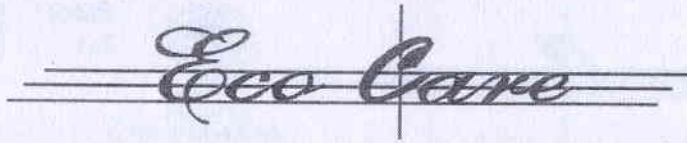
1. Test values are reported based on the samples received.
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N. Agarwalla

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Manoj Talkies Basement, Kumarpur

ASANSOL-713304 (W.B.)

ULR No – TCS1092000000680F

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

TEST REPORT

Report Release Date	: 13.10.2020	Sample Ref. No (ARF)	: EC/ARF/29/201010
Test Report No	: EC/TR/42/10017	Source of Sample	: SMS & Rolling Mill
Type of Sample	: Water	Sampling Date	: 08.10.2020
Sample Collected by	: Party	Period of Analysis	: 08.10.20 to 12.10.20
Sample Details	: Effluent Water	Sampling Location	: Sockpit After Septic Tank Outlet (Colony)
Name & Address	: Maithan Steel & Power Limited (Unit – II) Mouza – Nakrajoria P.O & P.S – Salanpur Dist – Paschim Barddhaman Pin No – 713357 West Bengal	Sample Condition	: Sealed & Preserved
		Sample Stamped as	: "MS – 05"
		Sample Drawn By	: Party
		Remarks	: ----
		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 25.4 °C		4500-H ⁺ B	5.5 – 9.0	7.61
2	TSS	mg/l	2540 D	100.0	81.70
3	TDS	mg/l	2540 C	2100.0	1132.80
4	BOD (3 days) at 27.0 °C	mg/l	IS 3025 (Part - 44): 1993	30.0	24
5	COD	mg/l	5220 B	250.0	80.64
6	Oil & Grease	mg/l	5520 B	10.0	4.15

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ASANSOL-713304 (W.B.)

ULR No – TC51092000000681F

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

TEST REPORT

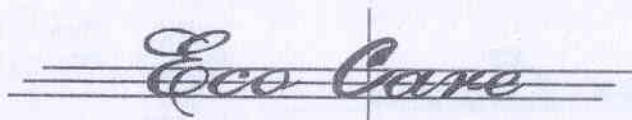
Report Release Date : 13.10.2020	Sample Ref. NO.(ARF) : EC/ARF/29/201010
Test Report No : EC/TR/42/10018	Source of Sample : SMS & Rolling Mill
Type of Sample : Water	Sampling Date : 08.10.2020
Sample Collected by : Party	Period of Analysis : 08.10.20 to 12.10.20
Sample Details : Surface Water	Sampling Location : Pond Water (Plant Inside)
Name & Address : Maithan Steel & Power Limited (Unit – II) Mouza – Nakrajoria P.O & P.S – Salanpur Dist – Paschim Barddhaman Pin No – 713357 West Bengal	Sample Condition : Sealed & Preserved Sample Stamped as : "MS – 06" Sample Drawn By : Party Remarks : --- 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 25.3 °C		4500-H ⁺ B	5.5 – 9.0	8.11
2	Temperature	°C	---	---	25.3
3	TSS	mg/l	2540 D	100.0	71.80
4	TDS	mg/l	2540 C	2100.0	824.10
5	BOD (3 days) at 27.0 °C	mg/l	IS 3025 (Part - 44): 1993	30.0	27
6	COD	mg/l	5220 B	250.0	90.72
7	Chloride (as Cl ⁻)	mg/l	4500 – Cl ⁻ B	600.0	43.05
8	Oil & Grease	mg/l	5520 B	10.0	5.36
9	Sulphate (as SO ₄ ⁻)	mg/l	IS 3025(Part-24): 1986	1000.0	25.62
10	Ammoniacal Nitrogen	mg/l	IS 3025(Part-34): 1988	50.0	6.98
11	Fluoride (as F)	mg/l	4500 F – B/D	2.0	0.47
12	Iron (as Fe)	mg/l	3500 – Fe B	3.0	0.16
13	Nitrate (as NO ₃)	mg/l	4500 NO ₃ E	10.0	3.58

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Manoj Talkies Basement, Kumarpur
ASANSOL-713304 (W.B.)

URL NO. - TC51092000000868F

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

TEST REPORT

Report Release Date : 28.11.2020	Sample Ref. No. (ARF) : EC/ARF/29/201119
Test Report No : EC/TR/42/11034	Source of Sample : Steel Plant
Type of Sample : Noise	Sampling Date : 23.11.20 to 24.11.20
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : ---
Sample Details : Ambient Noise	Sample Condition : ---
Name & Address : Maithan Steel & Power Limited (Unit : II)	Remarks : ---
Mouza - Nakraoria	Sample Drawn By : ECO CARE
P.O & P.S - Salanpur	Sampling Plan & Procedure : EC/SOP/03/01
Dist - Paschim Bardhaman	Deviation if any : None
Pin No - 713357, W.B	

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	25.2
2	Average Relative Humidity (%)	57.0
3	Barometric Pressure (mm of Hg)	754
4	Weather Condition	Clear Day

AMBIENT NOISE QUALITY REPORT

Sampling Location		NOISE LEVEL		
		Minimum	Leq - Mean	Maximum
1. Near Administrative Office	Day	62.10 dB(A)	70.04 dB(A)	73.90 dB(A)
	Night	51.20 dB(A)	63.70 dB(A)	66.40 dB(A)
2. Near Bag Filter Stack	Day	58.10 dB(A)	67.50 dB(A)	70.20 dB(A)
	Night	53.60 dB(A)	61.45 dB(A)	64.90 dB(A)
3. Near TMT Loading Shed	Day	65.20 dB(A)	71.23 dB(A)	74.30 dB(A)
	Night	49.10 dB(A)	60.00 dB(A)	66.10 dB(A)

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FORM 10
{ See Rule 19 (1) }

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1.	Sender's name and mailing address (including Phone No. and e-mail)	Maithan Steel & Power Ltd. (Unit) 1+2 Chittaranjan Road. P.O - Salanpur. Dist - Paschim Bardhaman			
2.	Sender's authorisation No.				
3.	Manifest Document No.				
4.	Transporter's name and address : (including Phone No. e-mail)	Ba-ma Oil Industries. Panchayat Road Vill - Khariyal. P.O - Dankuni c.c. Dist - Hooghly.			
5.	Type of vehicle	(Truck/Tanker/Special Vehicle)			
6.	Transporter's registration No.	36/25(HW)-155/98-99			
7.	Vehicle registration No.	WB-25E/9259			
8.	Receiver's name and mailing address (including Phone No. and e-mail)	BA-MA OIL INDUSTRIES PANCHAYAT ROAD, VILL-KHARIAL P.O. DANKUNI CC. DIST.-HOOGHLY -712310 2674-1678, 2659-2183, bmoind@yahoo.co.in			
9.	Receiver's authorisation No.	36/25(HW)-155/98-99			
10.	Waste description	used oil / waste oil			
11.	Total quantity No. of Containers	Unit-1... 200 Ltr. m ³ or MT Unit-2... 200 Ltr. Nos.			
12.	Physical form	(Solid/ Semi Solid/ Sludge/Oily/Tarry//Slurry/Liquid)			
13.	Special handling instructions and additional information	Handling with care			
14.	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.			
15.	Name and stamp.	Signature	Month	Day	Year
			0	1	08 2021
16.	Transporter acknowledgement of receipt of wastes				
	Name and stamp.	Signature	Month	Day	Year
			0	1	08 2021
16.	Receiver's certification for receipt of hazardous and other waste				
	Name and stamp.	Signature	Month	Day	Year
			0	1	08 2021

Forwarded to WBPCB by sender,



FORM 10

1st Copy

WEST BENGAL WASTE MANAGEMENT LIMITED

J.L. No. - 103, Mouza - Purba Srikrishnapur, P.O. & P.S. - Sutahata, PIN - 721635, Haldia, Dist - Purba Medinipur, West Bengal

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's name and mailing address (including Phone No. and e-mail) :	Maithan steel & Power Ltd (Unit-1&2) Chittaranjan Road, Mouza - NAKRA ZOTIA, Salampur Dist- Paschim Bardhaman , 713357			
2	Sender's authorization No. :				
3	Manifest Document No. :	1 14325			
4	Transporter's name and address (including Phone No. and e-mail) :	West Bengal Waste Management Limited J.L. No. 103, Mouza Purba Srikrishnapur, P.O. & P.S. Sutahata, Haldia 721635 Dist. Purba Medinipur, West Bengal, Ph. No.-03224-278238 / 39 E-mail : wbwml_haldia@ramky.com			
5	Type of vehicle :	(Truck/Tanker/Special Vehicle)			
6	Transporter's registration No. :	1-MD(E)/X/06			
7	Vehicle registration No. :	WB31ND0085			
8	Receiver's name and mailing address (including Phone No. and e-mail) :	West Bengal Waste Management Limited J.L. No. 103, Mouza Purba Srikrishnapur, P.O. & P.S. Sutahata, Haldia 721635 Dist. Purba Medinipur, West Bengal, Ph. No.-03224-278238 / 39 E-mail : wbwml_haldia@ramky.com			
9	Receiver's authorization No. :				
10	Waste description :	Cotton Waste			
11	Total quantity No. of Containers :	20kg (0.02MT) m ³ or MT 4 Nos. Bag Nos.			
12	Physical form :	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)			
13	Special handling instructions and additional information	Kept Separately & handle in care			
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping categorized, packed, marked and name and are labeled and are in all respects in proper conditions for transport by road according to applicable National Government Regulations.			
	Name and stamp	Signature	Day	Month	Year
			3	0	3
			2	0	2
			1		
15	Transporter acknowledgement of receipt of Wastes :				
	Name and stamp	Signature	Day	Month	Year
D. KUMAR			3	0	3
			2	0	2
			1		
16	Receiver's certification for receipt of hazardous and other waste :				
	Name and stamp	Signature	Day	Month	Year
For MAITHAN STEEL & POWER LTD.			3	0	3
		Authorized Signatory	2	0	2
			1		

1. White Colour forwarded to WBPCB by HzW Sender

3. Pink Colour retained by HzW Receiver

5. Green Colour forwarded to WBPCP after disposal by HzW Receiver

2. Yellow Colour retained by HzW sender

4. Orange Colour retained by transporter

6. Blue Colour returned to sender after disposal by HzW Receiver



SN.	DATE	PATIENT NAME DESIGNATION	AGE	SHIFT	UNIT/ DEPARTMENT	EMPLOY	CONTRACTOR NAME	IN TIME	OUT TIME	NATURE OF INJURY	TREATMENT	REMARK
489.	27.9.20	Rambilash, Yodhan Melter	38	D	SMS		Sanjay Singh	5.15PM	5.20PM	Rt. foot Pain - Injury	T. Ibuprofen	
490.	27.9.20	Sureshwar Yadav Supervisor	25	D	SMS		Sanjay Singh	5.20PM	5.25PM	Rt. heel Pain Injury	T. Ibuprofen	
491.	27.9.20	Sanjay Agarwal Commercial Manager	53	D	Dispatch	✓		5.30PM	5.40PM	Fatigue P/ Dimer 20 BP - 120/80	1-2BC	
492.	28.9.20	Naresh Mandal Security Guard	50	D	Security		S.S.D.A.	2.00PM	2.10PM	nausea, fatigue (prescribe)	C. Omez	
493.	28.9.20	Ashok Kumar Singh Bodyguard	56	D	Security	✓		2.25PM	2.30PM	wound in Rt. foot (ankle area)	G. Megapain	
494.	29.9.20	Purottram Mandal Security guard	45	D	Security		S.S.D.A.	2.10PM	2.15PM	Allergy	T. Lousiz 2.5mg	
495.	29.9.20	Ajay Mukherjee Supervisor	30	D	STORE	✓		2.27PM	2.35PM	Fever. Pain	T. Ibuprofen 2	
496.	29.9.20	Kajal Das Rod Binding	22	D	Civil		Binod Ram	2.38PM	2.41PM	Rt hand finger nail Pain injury	T. Ibuprofen 2	
497.	29.9.20	Jaydeep Bawsi Rod Binding	26	D	Civil		Binod Ram	2.41PM	2.50PM	left hand cut- injury (thumb)	Ij 25	
498.	29.9.20	Hansraj Singh Fitter	45	D	Rolling mill	✓		3.10PM	3.15PM	Waist pain	T. Ibuprofen 2 C. Omez 2	
499.	29.9.20	Animesh Santora Senior	28	D	Civil		Ritesh Singh	3.25PM	3.35PM	cough prescription	Prendaxin 3 Bevo up 6	
500.	29.9.20	Bikash Mandal S. Guard	36	D	Security		S.S.D.A.	3.40PM	3.45PM	cough prescription	B. of 1e	
501.	29.9.20	Dilip Yadav Mould operator	25	N D	CCM		Brendan - Dmit	3.45PM	3.51PM	Fatigue	Omez 2	



S.N.	DATE	PATIENT NAME DESIGNATION	AGE	SEX	UNIT/ DEPARTMENT	EMPLOY	CONTRACTOR NAME	IN- TIME	OUT TIME	NATURE OF INJURY	TREATMENT	REMARKS
475.	24.9.20	Poojash Mondal Loading Supervisor	38	D	Dispatch	✓		4:10PM	4:15P	Bp measurement		10/65
476.	24.9.20	Roshan shaw civil labour	22	D	Civil		B.M. Karnekar	4:45P	4:51PM	left sole (Big toe) laceration		
477.	24.9.20	Bikash Mondal S. Guard	35	D	Security		S.S.D.A.	5:22P	5:25PM	Fatigue		T. Randa 3
478.	25.9.20	Parimal Ridas Grass cutter	35	D	CCM	✓		3:15PM	3:20PM	One side chest pain		T. Bhugun/2
479.	25.9.20	Shrawan Kumar nonia Toast Man	48	D	Rolling Mill		Manoj Yadav	4:05P	4:10PM	Fever, Fatigue		T. P. 500 T. Raha
480.	25.9.20	Prasankh Gosai Helper	29	D	SMS	✓		4:17PM	4:23PM	Rt hand Burn injury		by 2 T. Raju G. Megapuri
481.	25.9.20	Suroj Dev Rai Loading	28	D	Loading TMT		Sikandar- Paswan	4:27PM	4:30PM	cut injury left foot		T. Bhugun/2
482.	25.9.20	Suroj Modi Toastman	25	D	Rolling mill		Manoj yadav	4:30PM	4:40P	Pain		T. Bhugun/2
483.	25.9.20	S. Das Manager	42	D	Mechanical	✓		5:40P	5:50PM	Bp measurement		110/70
484.	26.9.20	Anupam Dutta Loading Supervisor	30	D	Dispatch	✓		03:55PM	03:10PM	Pain		Bp-110/70. T. Bhugun/2
485.	26.9.20	Ashok Kr. Singh Body guard	56	D	Security	✓		04:10PM	4:15P	wound in left foot (ant. tereji)		G. Megapuri
486.	26.9.20	Sunil Das Basiman	24	D	Furnace		Sanjay Singh	5:15PM	5:20PM	Fever.		T. P. 500 4
487.	27.9.20	Javed Khan Loading	23	D	Tnt Finish yard		Bindu Ram	3:10PM	3:20PM	Rt. foot cut injury		by 2 Cap Step 1
488.	27.9.20	Sanjay Das Mechanical	27	D	Rolling mill	✓		4:21PM	4:25PM	Pain Fen		T. Bhugun/2



SN.	DATE	PATIENT NAME DESIGNATION	AGE	SEX	UNIT/ DEPARTMENT	EMPLOYEE	CONTRACTOR NAME	IN. OUT. TIME TIME	NATURE OF INJURY	TREATMENT	REMARK
462.	20.9.20	Abhay K. Jha Unloading - Supervisor	60	D	Unloading Department	✓		04.30PM 4.40P	Bp meamt	110/70	
463.	21.9.20	Armaan Shah Electrician	25	D	SMS	✓		04.50P 04.58P	Too Kache	T. Bhag Singh 3	
464.	21.9.20	Uma Pada Mondal Electrician	26	D	Rolling Mill	✓		5.37P 5.45P	Headache	X Bhag Singh 2	
465.	22.9.20	Surendra Yadav Supervisor	25	D	SMS		Sanjay Singh	3.25PM 3.30P	Rt foot Pain	T. Bhag Singh 3	
466.	22.9.20	Tapan Mondal Motor binding	55	D	Electrical (Rolling Mill)	✓		3.30P 3.40P	Bp - 130/90		
467.	22.9.20	Pradhan Rindas Toastman	29	D	Rolling Mill		Manoj Yadav	3.40P 3.45P	Pain	T. Bhag Singh 2	
468.	22.9.20	S. K. Das Civil Engineer	70	D	Civil		Avkon Engineering	4.27P 4.31P	Bp - 140/90		
469.	22.9.20	Neyaz Rahmat E.O. T	26	D	Vehicle	✓		4.34P 4.43P	Cut injury in nose	L. in Dranj	
470.	23.9.20	Akhilash Yadav Fitter	35	D	SMS	✓		3.50P 4.03P	left foot big toe in nail infection	T. Bhag Singh 3	
471.	23.9.20	Ayoni Paitandi S. Guard	22	D	Security		S. S. D. H.	4.25P 4.37P	Fever	T. P. S. 2	
472.	23.9.20	Shaktar Pandey Foreman	51	D	S.S. Engineering		Self	5PM 5.10P	Rt leg below knee Pain injury	T. V. Das 10 T. R. Das	
473.	23.9.20	Anup Ghosh Mechanical Engineer	51	D	Tookasi Mill (Plant)		Bengal oil Mechineary	5.10PM 5.13P	Rt. foot cut injury	L. in Dran T. J. 2	
474.	24.9.20	Uma Charan Mahato Loading Super- vision	32	D	Dispatch	✓		4.05PM 4.10PM	Bp - 120/70		



SN.	DATE	PATIENT NAME DESIGNATION	AGE	SEX	UNIT/ DEPARTMENT	EMPLE	CONTRACTOR NAME	IN TIME	OUT TIME	NATURE OF INJURY	TREATMENT	REMARK
448.	17.9.20	Subhojit Sadhu Dispatch Hsst.	26	D	Dispatch	✓	03.45PM	03.40PM	03.45PM	Body ache	T. Dhyaj 2	
449.	17.9.20	Lakhan Baurai Rod Sweeper	53	D	Rolling Mills		Manoj Yadav	3.45PM	3.50PM	Pain	T.P. 102	
450.	18.9.20	Rahul Ram Unloading Supervisor	31	D	SMS - unloading	✓		03.05PM	03.11PM	Left Shoulder cut injury	Ph. n. Tab. Dhyaj 2	
451.	18.9.20	Ramesh Kumar Dispatch executive	40	D	Dispatch	✓		03.15PM	03.12PM	Swearing	T. Lank 22	
452.	18.9.20	Somen chettaraj office Person	50	D	office	✓		03.20PM	03.28PM	cut injury in left leg	Ph. n. Tambul	
453.	18.9.20	Sanjay Mahato Gas cutter	29	D	CCM	✓		03.30PM	03.35PM	Left thumb infection	Droening	
454.	18.9.20	M. Chandan Director	49	D	Head office	✓		04.00PM	04.10PM	Bp-115/80		
455.	18.9.20	Pranod Kr. Route Production Manager	45	D	SMS	✓		04.12PM	04.20PM	Bp-120/80	P/Aristozone Coversin 3	
456.	18.9.20	Ashok K. Singh Bodyguard	56	D		✓		04.22PM	04.28PM	cut injury	Ph. n. T. Dhyaj 2	
457.	19.9.20	Purusottam - Mondal Security Guard	45	D	Security		S.S.D.A.	04.44PM	04.50PM	Thumb ache	T. Dhyaj 2	
458.	20.9.20	Shrabhan Das Security guard	48	D	Security		S.S.D.A.	03.10PM	03.0PM	Bp measurement	130/80	
459.	20.9.20	Kalyan Kr. Gosai KMT yard incharge	46	D	Dispatch	✓		03.25PM	03.35PM	Bp measurement	120/80	
460.	20.9.20	Ranjit Kumar M. Fitter	27	D	Rolling Mills	✓		04.05PM	04.10PM	cut injury in left wrist	C. Mesopon	
461.	20.9.20	Sunil Kr. Shek Security incharge	49	D	Security		S.S.D.A.	4.25PM	4.30PM	Bp measurement	140/80	



SN	DATE	PATIENT- NAME DESIGNATION	AGE	SEX	UNIT/ DEPARTMENT	EMPLOY STATUS	CONTRACTOR -NAME	IN TIME	OUT TIME	NATURE OF INJURY	TREATMENT	REMARK
436	12.9.20	Sudip Banerjee Civil car park	42	D	Civil		Self	05.35PM	05.40PM	Shoeshut, Sneezing	B.cpf 1c T. Levis	
437	14.9.20	R.N. Sharma Security guard	55	N D	Security		S.S.D.A.	03.20PM	03.30PM	Sneezing	Tab. B.cpf 1c T. Levis 2 Sun Protect Anti-hud 1 amp mist	
438	14.9.20	Rampavesh Kumar Helper	18	D	Rolling Mills		Rabindran - Ghosh	03.31PM	03.41PM	Injury in lips area	1 amp mist	
439	14.9.20	Sohail Khan Hydra operator	21	D	Techno		Suryanjan - Sarkar	04.45PM	04.51PM	cut injury in Rt foot	Cap Megapax T. Shurt 2	
440	14.9.20	Manoj Kumar Helper	21	N D	Furnace		Sanjay - Singh	04.52PM	04.57PM	Fever	T. P. No 3	
441	14.9.20	Pappu Bauri Security Supervisor	25	N D	Security		Sunil Shaw	05.22PM	05.31PM	Fever, Sneezing	Tab. Calpol 1000 T. Levis 2 Kapsam 5 B.cpf 5	
442	15.9.20	Indrajit Bauri Rod Bending	43	D	Rolling Mills		Binod Ram	03.50PM	04.00PM	Rt leg (ankle area) cut injury	4.5 C. Megapax 2 T. Shurt 2	
443	15.9.20	Ranjit Bauri Labour	84	D	SMS		Manish - Agarwal	05.30PM	05.35PM	cut injury below ankle area.	C. Megapax T. Shurt.	
444	16.9.20	Pintu Sharma T workshop	34	D	Rolling Mills	✓		03.14PM	03.22PM	cut injury in Rt hand finger	4.5 1 amp mist	
445	16.9.20	Naresh Mondal Security guard	50	D	Security		S.S.D.A.	05.23PM	05.30PM	Fever	T. P. No 2	
446	16.9.20	Sushil Yadav Mould Helper	19	N D	CCM	✓		05.30PM	05.35PM	Fever	T. P. No 2	
447	17.9.20	Tomy Layak MIS Supervisor	31	D	Rolling Mills	✓		03.30PM	03.40PM	left hand cut - injury (elbow area)	4.5 1 amp mist	



SN.	DATE	PATIENT NAME DESIGNATION	AGE	SEX	UNIT DEPARTMENT	EMPLOYER	CONTRACTOR NAME	IN TIME	OUT TIME	NATURE OF INJURY	TREATMENT	REMARK
422.	10.9.20	Chandol Day D.T.	24	D	Rolling mill Mechanical	✓		03.05PM	03.07PM	Pain	T.P. NO 2	
423.	10.9.20	Kanu Yadav Basiman	33	D	SMS Furnace		Krishna Pandey	03.07PM	03.10PM	Pain	T.P. NO 3	
424.	10.9.20	PUNU Bansi Rod Bending	25	D			Sourabh	04.05PM	04.10PM	Fever, Sneezing	P. 650 2 Lentis 2 2	
425.	10.9.20	Simaudo Bawn Driver	36	D	Vehicle	✓		04.50PM	04.58PM	Dranding		
426.	10.9.20	Bishw. Bansi Basiman (Patching)	19	D	SMS		Sanjay Singh	04.58PM	05.01PM	Dust fall in Rt. eye		
427.	10.9.20	Robin Bada chemist	31	D	SMS Lab	✓		05.03PM	05.06PM	cut injury in Rt Palm	C. Omega 2	
428.	10.9.20	Tapas Wasi Lab Helper	25	D	SMS Lab		Tarakeshwar	05.17PM	05.20PM	Pain	T.P. NO 3	
429.	10.9.20	Prince K. Singh Mechanical Engineer	26	D	Rolling mill	✓		05.28PM	5.32PM	Sneezing	T. Lentis 2.2	
430.	11.9.20	Subhojit Sadhv Asst. Dispatch	26	D	Dispatch	✓		05.40PM	05.45PM	Fatigue, Unsettled	C. Omega 2 T. NPH 1	
431.	12.9.20	Manoj Das Sweepar	26	D	Furnace		Sanjay Singh	04.00PM	04.10PM	left palm cut injury	Prin T. Omega Shim 1	
432.	12.9.20	Sanjay Maheta bars cutter	29	D	CCM	✓		04.15PM	04.21PM	left thumb infarct	Prin T. Omega Shim 2	
433.	12.9.20	Manish Bhai Commercial Manager	44	D	office	✓		04.21PM	04.25PM	Fatigue	C. Omega 2	
434.	12.9.20	Ranjit Bansi Lab Helper	39	D	SMS Lab	✓		04.25PM	04.30PM	Fatigue, Amoch in	T. Lentis T. O 2	
435.	12.9.20	Kanchan Bai	26		vehicle		Tarakeshwar	05.00PM	05.05PM	Tonsillitis.	P/T.B.C. H Sen Len	



EMPLOYEE NAME & SIGNATURE	AGE	SEX	UNIT DEPARTMENT	EMPLOYED	CONTRACTOR NAME	IN TIME	OUT TIME	NATURE OF INJURY	TREATMENT	REMARK
Indol Daye	24	D	Rolling Mill Mechanical	✓		03.05 PM	03.07 PM	Pain	T.P. NO 2	
U. Yadav	33	N	SMS Furnace		Krishna Pandey	03.07 PM	03.10 PM	Pain	T.P. NO 3	
U. Banni	25	D			Sourabhs	04.05 PM	04.10 PM	Fever, Sneezing	P. 650 2 Lenses 2 2	
U. Banni	26	D	Vehicle	✓		04.50 PM	04.58 PM	Dizziness		
U. Banni	19	D	SMS		Sanjay Singh	04.58 PM	05.01 PM	Dust fall in Rt. eye		
U. Banni	31	D	SMS Lab	✓		05.03 PM	05.06 PM	Cut injury in Rt Palm	C. Angspan 2	
U. Banni	25	D	SMS Lab		Tarakeshwar	05.17 PM	05.20 PM	Pain	T.P. NO 3	
U. Banni	26	D	Rolling Mill	✓		05.28 PM	5.32 PM	Sneezing	T. Lenses 2 2	
U. Banni	26	D	Despatches	✓		05.40 PM	05.45 PM	Fatigue, laceration	C. One 2 T. NPm 1	
U. Banni	26	D	Furnace		Sanjay Singh	04.00 PM	04.10 PM	left palm cut injury	W. 1 T. 1 T. 1	
U. Banni	29	D	CCM	✓		04.15 PM	04.21 PM	left thumb injury	T. 1 T. 1	
U. Banni	44	D	office	✓		04.21 PM	04.25 PM	Fatigue	T. 1 T. 1 G. One 2	
U. Banni	39	D	SMS Lab	✓		04.25 PM	04.30 PM	Fatigue, Amoch in	T. 1 T. 02	
U. Banni	26		Vehicle		Tarakeshwar	05.00 PM	05.05 PM	Tonsiditi.	T. B. c Sen. 2	



SN.	DATE	PATIENT NAME DESIGNATION	AGE	STF	UNIT/ DEPARTMENT	EMPLO	CONTRACTOR NAME	IN TIME	OUT TIME	NATURE OF INJURY	TREATMENT	REMARK
409	07.09.20	Dipak Kr. Mishra chemist	24	N D	Sms Lab	✓		4.44 PM	4.50 PM	Pain	T. Dhingra 3	
410	8.9.20	Robin Bhadani Sr. chemist	31	D	Sms Lab	✓		03.17 PM	03.28 PM	Rt. Palm cut injury Bp-110/80	Q. in 1 ang 1/2 C. Meher T. Raju 11	
411	8.9.20	Sunil Kr. Shah Security incharge	49	N D	Security		S.S. DA	03.28 PM	03.40 PM	Fatigue Bp 130/80	T. Raju 11	
412	8.9.20	Chandran Thakur civil labour	30	D	civil		B.N. Karmakar	03.41 PM	03.46 PM	cut injury in Rt foot	Q. in 1 ang 1/2	
413	8.9.20	Kundan Kr. Singh Helper	21	D	CCM		B.N. Dixit	04.17 PM	04.21 PM	Pain in hydrocele	T. Raju 2 T. Jha 1	
414	8.9.20	Omni Lajek Teekpan	41	D	Dispatch		Takeshwar	04.25 PM	04.30 PM	Pain	T. P. 10 3	
415	8.9.20	Subhash Banerjee civil Supervisor	59	D	Civil		S.K. Das	04.41 PM	04.46 PM	Pain in wrist Bp-140/90	T. Vach 2 T. Raju 2	
416	9.9.20	Shrimanta Bauri Driver	36	D	Vehicle	✓		03.10 PM	03.18 PM	Dressing		
417	9.9.20	Shrinbas - Chakraborty Bodyguard (P.S.O)	57	D		✓		03.30 PM	03.35 PM	Bp measurement - 130/80		
418	9.9.20	Santosh Prasad Shift incharge	34	D	CCM		Brendan Dixit	03.41 PM	03.49 PM	Burn injury in left eye lid	Q. in C. Meher 2 T. Dhingra 2	
419	9.9.20	Rasik Masandi Loading	35	D	Rolling Mill		Sikandar Paswan	04.16 PM	04.23 PM	cut injury in left foot	Q. in 1 ang 1/2	
420	9.9.20	Surajdev Rai Loading	28	D	TMT- Loading		Sikandar Paswan	04.35 PM	04.45 PM	cut injury in left foot	Q. in 1 ang 1/2	
421	10.9.20	Suraj Modi Toast man	26	D	Rolling Mill		Manoj Jadav	03.01 PM	03.04 PM	Wound	T. Dhingra 3 C. Meher 2	



SN.	DATE	PATIENT NAME DESIGNATION	AGE	SIFI	UNIT DEPARTMENT	EMPL	CONTRACTOR NAME	IN TIME	OUT TIME	NATURE OF INJURY	TREATMENT	REMARK
398.	04.09.20	Bikash - Mondal S. Guard	36	D	Security		S.S. DA	03.12PM	03.16PM	Pain, coxys	T. Lemsiz 2 T. Dhyaj 2	
399.	04.09.20	Amit K. Bawn HR executive	32	D	office	✓		03.16PM	03.21PM	cut injury in forehead	T. Dhyaj 2 T. Lemsiz 2	
400.	04.09.20	Pankaj Tiwar Engineer	22	N D	SMS Electrical	✓		03.22PM	03.25PM	cut injury in Rt Knee joint	T. Ranku T. Lemsiz 2 T. Dhyaj 2	
401.	04.09.20	Binod Yadav FST	27	D	SMS		K.N. Pandey	03.33PM	03.46PM	Burn injury in Rt foot	Dcmij	
402.	04.9.20	Jalaludin weilder	30	D	Workshop	✓		04.31PM	04.35PM	Pain	T. Dhyaj 2	
403.	04.9.20	Satyendra Yadav Leidh machine- operator	32	D	Workshop	✓		04.44PM	04.50PM	Pain, coxys.	T. Dhyaj 3 T. Lemsiz 2	
404.	04.9.20	Prince. K Singh Engineer	28	D	Rolling Mill	✓		05.22PM	05.30PM	cut injury in Rthand finger	T. Dhyaj 2 T. Lemsiz 2	
405.	05.9.20	Raj Kumar Helper	24	D	Furnace		Sanjay Singh	03.14PM	03.17PM	Burn injury in left upper foot	C. Megapen 2 T. Dhyaj 2	
406.	5.8.20	Manoj Bawri chinakun	33	D	CCM		Biswanda - Dixit	04.17PM	04.25PM	Rt. hand cut injury	C. Megapen 3 T. Dhyaj 2	
407.	5.8.20	Pasimel Rindas Gas cutter	35	D	CCM	✓		04.25PM	04.30PM	Pop member 10/60		
408.	5.8.20	Pawan Lohar Mechanical Fitter	32	D	Rolling Mill	✓		04.50PM	04.55PM	Pain	T. Dhyaj 2	



SN.	DATE	PATIENT NAME DESIGNATION	AGE	SIFI	UNIT DEPARTMENT	EMPLO.	CONTRACTOR NAME	IN TIME	OUT TIME	NATURE OF INJURY	TREATMENT	REMARK
386.	01.09.20	Hanuman Yadav Foreman	42	D	CCM		B. Dixit	03.40PM	03.46PM	Fatigue	G. Omez 3	
387.	01.09.20	Dharmendra Yadav Mechanical Filter	28	D	Rolling Mill	✓		03.47PM	03.50PM	Fatigue	Omez 2	
388.	01.09.20	Sahu Shivan Roll Asamble	40	D	Rolling Mill	✓		04.10PM	04.05PM	cut injury	Dressing	
389.	01.09.20	Joginder Yadav Loading	40	D	Rolling Mill		Binod Ram	04.55PM	05.03PM	Rt hand cut injury below elbow	G. Omez T. I. B. Pl 2	
390.	02.09.20	Tony Kumar Bouncer	25	D	Security		S.S. D.A.	03.05PM	03.10PM	Bodyache	T. I. B. Pl 2	
391.	2.9.20	Shiv Kumar Yadav Helper	20	D	Furnace		Sanjay Singh	03.55PM	04.05PM	Ear pain	T. I. B. Pl 3	
392.	2.9.20	Sunil Kumar Helper	20	D	Rolling Mill	✓		04.06PM	04.10PM	Pain injury in Rt. Hip bone	T. I. B. Pl 3	
393.	2.9.20	Lalan Kumar Yadav Timber man	35	D	CCM		Brendan - Dixit	04.15PM	04.19PM	Pain	T. I. B. Pl 3	
394.	2.9.20	Binod Yadav F.S.T.	27	D	SMS		K.N. Pandey	04.24PM	04.28PM	Burn injury Rt. upper fat	G. Omez Dressing C. Omez 3	
395.	3.9.20	Mantu Ridas Helper	48	D	Rolling Mill		Manoj Yadav	04.28PM	04.38PM	Injury (cut) in Rt. leg below knee	G. Omez T. I. B. Pl 3	
396.	3.9.20	Biswajit Kundu welder	22	D	Techno		Akshay Choudhary	05.28PM	05.31PM	Rt Knee pain	T. I. B. Pl 3	
397.	3.9.20	Pradeep Sharma Loading	32	D	Rolling Mill		Binod Ram	5.48PM	5.52PM	Rt leg cut injury	G. Omez Dressing	



Annexure-X

Recurring Cost Incurred on Environmental Safeguard			
Year	Particulars	Narration	Amount
October,20- March,21	Green Belt Development	Maintenance, labour cost etc.	3,47,550
	House Keeping	Labour charges, Drainage Cleaning and other materials	9,00,000
	Analysis & Monitoring of Environmental Parameters	Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis	75,000
	O & M on A.P.C Devices	Operation & Maintenance cost, Electricity consumption etc. on A.P.C Device installed.	30,41,420
TOTAL			43,63,970

