



Ref: RIL/ ENV/COMPLAINCE/ 24-25
Date : 23.05.2024

To,
The Scientist – E,
Ministry of Environment, Forest and Climate Change,
Sub Office, Kolkata
IB – 198, Sector – III, Salt Lake City,
Kolkata – 700106.

Ref: Environmental Clearance letter no. – F.No. J-11011/14/2008-IA II (I) dt. 3rd June, 2009

Subject: Submission of Six-Monthly Compliance Report for the period of October – 2023 to March – 2024 for Environmental Compliance Status of M/s Ramsarup Industries Limited (formerly Ramsarup Loh Udyog Ltd.), Industrial Estate Kharagpur, Dist. - Paschim Medinipur, West Bengal.

Respected Madam/Sir,

We are submitting herewith the Six-Monthly Environmental Compliance Report status for the period of **October - 2023 to March - 2024** for the condition as stated in Environmental Clearance letter of M/s Ramsarup Industries Limited, Industrial Estate Kharagpur, Dist. - Paschim Medinipur, West Bengal as mentioned above.

Kindly find the enclosed herewith Six-Monthly Compliance Report along with required Annexures for the period of October 2023 to March 2024.

Thanking You.

Regards
For Ramsarup Industries Limited, Kharagpur

Prashant Kumar
(Authorized Signatory)

CC:

- 1. IRO – Bhubaneswar.**
- 2. EIM Cell, West Bengal Pollution Control Board, Parivesh Bhawan, Kolkata**
- 3. West Bengal Pollution Control Board, Haldia Regional Office.**



RAMSARUP INDUSTRIES LTD.

Tata Metaliks Road, Rakha Jungle, Saha Chowk, Kharagpur
Dist.: West Midnapore-721301, West Bengal

CIN No. : U65993WB1979PLCO32113GST
No.: 19AACCR2821D1ZP

Email Id : prashantbhardwaj@shyamgroup.com

ENVIRONMENTAL COMPLIANCE REPORT

**Environmental Clearance letter No.
F. No. J-11011/14/2008-IA II (I) dt. 3rd June, 2009**

**Compliance Report Period
1st October-2023 to 31st March-2024**

**REGISTERED OFFICE
S. S. CHAMBER, 5, C.R. AVENUE, KOLKATA-700072 (INDIA)**

Your (**Environment Clearance**) application has been **Submitted** with following details

Proposal No	RLUL/MOEF/FC/01
Compliance ID	70440346
Compliance Number(For Tracking)	EC/M/COMPLIANCE/70440346/2024
Reporting Year	2024
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	23-05-2024
IRO Name	ARTATRANA MISHRA
IRO Email	jhk109@ifs.nic.in
State	WEST BENGAL
IRO Office Address	Integrated Regional Offices, Kolkata

Note:- SMS and E-Mail has been sent to ARTATRANA MISHRA, WEST BENGAL with Notification to Project Proponent.

Half Yearly Compliance Report**2024****01 Jun(01 Oct - 31 Mar)****Acknowledgment**

Proposal Name	Ramsarup Industries Limited (Formerly Ramsarup Loh Udyog Ltd.)		
Name of Entity / Corporate Office	Sumit Chakraborty		
Village(s)	N/A		
District	MEDINIPUR WEST		
Proposal No.	RLUL/MOEF/FC/01	Category	Industrial Projects - 1
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	WEST BENGAL	Entity's PAN	AACCR2821D
MoEF File No.	J-11011/14/2008-IA II (I)	Entity name as per PAN	RAMSARUP INDUSTRIES LIMITED

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office Sumit Chakraborty

	Project Area as per EC Granted	Annual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	0	0

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Sponge Iron (DRI)	Tons per Annum (TPA)	28/02/2029	300000	0	150000
2	Blast Furnace	Tons per Annum (TPA)	N/A	575000	0	0
3	Pig Iron	Tons per Annum (TPA)	N/A	350000	0	0
4	Hot Metal from EAF Shop	Tons per Annum (TPA)	N/A	683200	0	0
5	Hot Metal from LRF	Tons per Annum (TPA)	N/A	683200	0	0
6	Billet from Billet Caster	Tons per Annum (TPA)	N/A	663000	0	0
7	Captive Power Plant (WHRB)	MW	28/02/2029	25	0	12.5
8	Captive Power Plant (BF Gas Fired Boiler)	MW	N/A	15	0	0
9	Captive Power Plant (CFBC Boiler)	MW	N/A	25	0	0
10	Sinter	Tons per Annum (TPA)	N/A	960000	0	0
11	Oxygen Plant	Cu.M/Hr	N/A	7300	0	0
12	Rolling Mill Products	Tons per Annum (TPA)	N/A	800000	0	0

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	Effort shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. Continuous stack monitoring facility for all the stacks shall be provided and sufficient air pollution control devices shall be provided to keep the emission

		level below 100 mg/Nm ³ . At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.
<p>PPs Submission: Complied</p> <p>Electrostatic Precipitator (ESP) is connected with DRI stack unit and cold ESP is connected with Raw Material handling area, product separation building, charcoal silo & product bunker etc. to keep the emission level within limit. Continuous stack monitoring systems is already installed with DRI plant. Ambient air monitoring had been done by third-party. Copy of third party ambient air monitoring report is attached</p>		<p>Date: 23/05/2024</p>
2	AIR QUALITY MONITORING AND PRESERVATION	Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements should also be made to control dust emission during loading and unloading of raw material and finished product.
<p>PPs Submission: Being Complied</p> <p>Vehicular pollution due to transportation of raw material and finished product will be controlled by providing tarpaulin cover and sprinkler system. Sprinkling system / Mist cannon system will be installed at Raw material loading ,unloading area and finished product area.</p>		<p>Date: 23/05/2024</p>
3	AIR QUALITY MONITORING AND PRESERVATION	In-plant control measures for checking fugitive emission at all the vulnerable sources shall be provided. Dry fog dust suppression system shall be provided to BF stock house. Dust extraction system with bag filter shall be provided at various dust generation points including transfer points. Water spraying system shall be provided to control fugitive emissions in captive power plant. Dust suppression system shall be provided in raw material preparation plant. Fugitive dust emission from storage, transportation and raw material handling areas shall be controlled by water sprinkling and other dust suppression measures.
<p>PPs Submission: Being Complied</p> <p>Dry fog dust suppression system will be provided to BF stock house at the time of operation. Cold ESP is connected with Raw Material handling area, product separation building, charcoal silo, product bunker, transfer points etc of DRI. to control fugitive emissions and dust suppression. Water sprinkling system has been provided to control the fugitive emission, it is now under repairing/Renovation stage. It will be operational once the plant operation started.</p>		<p>Date: 23/05/2024</p>
4	WATER QUALITY MONITORING AND PRESERVATION	Total ground water requirement from the Kharagpur municipality water supply system shall not exceed 720 m ³ /hr and permission for 1600 m ³ /hr is obtained. Process waste water shall be treated in Effluent Treatment Plant (ETP). Clarifies, thickener, sludge pond shall be provided to raw water treatment plant and blast furnace gas cleaning plant. Acidic effluent from demineralization plant shall be neutralized in neutralization pit. Settling tank filled with oil and grease traps shall be used for treatment of effluent from billet caster and hot rolling mills. All the treated wastewater shall be recycled and reused in the process to the maximum extent possible and reused either in the process or for slag granulation, dust suppression, greenbelt development, etc.
<p>PPs Submission: Being Complied</p> <p>Noted and Complied. Revamping of plant is under process and it will be complied once the plant will be in operation. Effluent Treatment Plant (ETP) will be installed for treatment of wastewater and to reuse in process, water sprinkling and greenbelt development. Treated raw water will be supplied by Kharagpur Municipal Corporation. Blast furnace gas cleaning plant will be installed at the time of commissioning of Blast Furnace. Neutralization pit is provided in demineralization plant. Settling tank filled with oil and grease traps will be installed at the time of commissioning of SMS</p>		<p>Date: 23/05/2024</p>

and Rolling Mill.		
5	WATER QUALITY MONITORING AND PRESERVATION	Ground water monitoring around the solid waste disposal site / secured landfill (SLF) shall be carried out regularly and report submitted to the Ministry's Regional Office at Bhubaneswar, CPCB and WBPCB.
PPs Submission: Being Complied Ground water monitoring will be done on regular basis once the plant will be in operation.		Date: 23/05/2024
6	WASTE MANAGEMENT	All the char / dolochar from DRI plant shall be utilized in CFBC boiler of power plant and no char shall be disposed off anywhere else. CFBC boiler shall be installed simultaneously along-with the DRI plant to ensure full utilization of char from the beginning. All the blast furnace (BF) slag shall be granulated and provided to cement manufacturers for further utilization. BF flue dust, BF sludge EAF dusts, mill scales, sinter plant dust and DRI fines shall be recycled and used Sinter plant. Scrap shall be recycled back to the steel melting shop. SMS slag shall also be properly utilized. All the other solid wastes including broken refractory mass shall be properly disposed off in the environment -friendly manner. Oily waste / lubricants shall be provided to authorized recyclers/reprocessors or properly disposed off an per Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.
PPs Submission: Agreed to Comply Noted and will be complied when FBC boiler will be installed in future. After commissioning of the Blast Furnace, BF slag will be granulated and provided to cement manufacturers. Once the Sinter plant will be installed, the management of BF Flue dust, BF sludge, EAF dusts, mill scales, DRI fines etc. will be done accordingly. Scrap will be reused in SMS and SMS slag shall be utilized accordingly. Broken refractory will be disposed properly. Oily waste / lubricants will be properly disposed off through WBPCB / CPCB approved vender (West Bengal Waste Management Limited.)		Date: 23/05/2024
7	Human Health Environment	The company shall provide housing for 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
PPs Submission: Complied Accommodation facility for labours along with drinking water & toilet, canteen facility have been provided. Photographs of the Accommodation facility and Canteen is attached.		Date: 23/05/2024
8	WATER QUALITY MONITORING AND PRESERVATION	Zero" effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises. Domestic effluent shall be appropriately treated in septic tank followed by soak pit and used for green belt development within the premises.
PPs Submission: Being Complied Zero Liquid Discharge (ZLD) is strictly followed and no wastewater will be discharged outside the premises. Domestic wastewater will be treated through Sewage Treatment Plant (STP) and used for plantation.		Date: 23/05/2024
9	WASTE MANAGEMENT	Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003.
PPs Submission: Agreed to Comply Noted and will be complied when FBC boiler will be installed in future.		Date: 23/05/2024

10	WATER QUALITY MONITORING AND PRESERVATION	The water consumption should not exceed 16m ³ /Ton of steel as per prescribed standard.
PPs Submission: Agreed to Comply Noted and will be complied accordingly.		Date: 23/05/2024
11	WASTE MANAGEMENT	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to Ministry's Regional Office at Bhubaneshwar, CPCB and WBPCB
PPs Submission: Agreed to Comply Proper handling, storage, utilization and disposal of all the solid waste shall be ensured as per TCLP test and report will be submitted Ministry's Regional Office at Bhubaneshwar, CPCB and WBPCB.		Date: 23/05/2024
12	WASTE MANAGEMENT	Coal and coke fines shall be recycled and reused in the process. Iron ore, fluxes, mill scales etc. shall be recycled to sinter plant to produce sinter.
PPs Submission: Agreed to Comply Once the Sinter plant will be installed, coal and coke fines shall be recycled/reused and iron ore, fluxes, mill scales etc. shall be recycled accordingly.		Date: 23/05/2024
13	WASTE MANAGEMENT	All the slag including from EAF and SMS shall be used for land filling inside the plant or used as building material only after passing through Toxic Chemical Leachability Potential (TCLP) test. Toxic slag shall be disposed in a secured landfill as per CPCB guidelines. Otherwise hazardous substances shall be recovered from the slag and output waste and be disposed in secured landfill as per CPCB guidelines.
PPs Submission: Agreed to Comply Presently no EAF and SMS has been installed. After installation and followed by commissioning of EAF & SMS, all the slag will be used for land filling or used as building material after TCLP test. Toxic slag will be disposed through WBPCB / CPCB approved vender for proper disposal.		Date: 23/05/2024
14	GREENBELT	Green belt shall be developed in 33% area within and around the plant premises to mitigate the effects of fugitive emissions as per the CPCB guidelines in consultation with DFO.
PPs Submission: Complied Stipulated condition has been complied and maintained accordingly.		Date: 23/05/2024
15	WASTE MANAGEMENT	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.
PPs Submission: Complied Action plan has been prepared to reduce solid waste, its proper utilization and disposal. The same is attached.		Date: 23/05/2024
16	Corporate Environmental Responsibility	All the recommendations made in the Charter of Corporate Responsibility for Environment Protection (CREP) for the steel plant shall be implemented
PPs Submission: Being Complied The condition is being complied.		Date: 23/05/2024

17	AIR QUALITY MONITORING AND PRESERVATION	Electrostatic precipitator (ESP) shall be provided to DRI kiln, CFBC Boiler, WHRB and Sinter plant to control emission less than 100 mg/Nm ³ . Hot gases from DRI kiln shall be passed through dust settling chamber (DSC) to remove coarse solid and After Burning Chamber (ABC) to burn CO completely and used in Waste Heat Recovery Boiler (WHRB). The gas then shall be cleaned in ESP before leaving out in the atmosphere through ID fan and stack. Fume extraction system with bag filter shall be provided to steel melting shop (SMS). Stack of adequate height shall be provided to rolling mill, BG gas fired boiler and blast furnace stoves to control emission less than 100 mg/Nm ³ .
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<p>PPs Submission: Partially Complied Electrostatic precipitator (ESP) has already been connected with DRI kiln & WHRB to clean the gas before leaving out in the atmosphere through ID fan and stack. Dust Settling Chamber (DSC) & After Burning Chamber (ABC) is connected to DRI. A dust injection ID fan is also attached with After Burning Chamber to collect the fugitive dust & particulate matter from intermediate bin (I-bin) and inject to After Burning Chamber (ABC) to burn CO & Particulate Matter completely. ABC chamber is connected with WHRB to generate power from the hot gases of DRI kiln. WHRB is connected with ESP. Steel Melting Shop, Rolling Mill and Blast Furnace is not yet installed. Air pollution control device along with adequate stack height shall be installed at the time of commissioning of plant and machineries to control the emission level within the stipulated limit. Sinter plant has not yet been installed. ESP will be connected when the Sinter plant will be installed.</p>		Date: 23/05/2024
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18	AIR QUALITY MONITORING AND PRESERVATION	Data on ambient air quality, stack emission and fugitive emissions shall be uploaded on company's website and also regularly submitted on-line to the Ministry's Regional Office at Bhubaneswar, West Bengal Pollution Control Board (WBPCB) and Central Pollution Control Board (CPCB) as well as hard copy on every six months. Data on SPM, SO ₂ , and NO _x shall also be displayed prominently outside the premises at the appropriate place for the information of general public.
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<p>PPs Submission: Complied Link of the company website is www.shyammetals.com Previous half-yearly compliance report (Apr 2023 - Sept 2023) has been submitted through mail to Ministry's Regional Office at Bhubaneswar and Integrated Regional Office at Kolkata, EIM cell of WBPCB, along with monitoring report of Ambient Air & Noise quality. Monitoring report for the period of Oct 2023 - March 2024 of the above said condition is enclosed as Annexure – 1. Display board is already installed at plant gate. Copy of the display board is enclosed as Annexure – 2.</p>		Date: 23/05/2024
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19	AIR QUALITY MONITORING AND PRESERVATION	Gaseous emission levels including secondary fugitive emission from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by CPCB shall be followed. New standards issued by the Ministry for the sponge iron plant in May, 2008 shall be followed.
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<p>PPs Submission: Being Complied Noted and compiling accordingly. Guidelines issued by CPCB and new standards issued by the Ministry for the sponge iron plant in May, 2008, will be followed.</p>		Date: 23/05/2024
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General Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project authority shall adhere to the stipulations made by West Bengal Pollution Control Board (WBPCB) and State Government.

PPs Submission: Agreed to Comply Noted and will be followed accordingly.		Date: 23/05/2024
2	Statutory compliance	No further expansion and modification of the plant shall be carried out without prior approval of the Ministry.
PPs Submission: Agreed to Comply Noted and will be followed accordingly.		Date: 23/05/2024
3	AIR QUALITY MONITORING AND PRESERVATION	The gaseous from various process units shall conform to the load/mass based standards notified by the Ministry on 19th May, 1993 and standards prescribed from time to time. The West Bengal Pollution Control Board (WBPCB) may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.
PPs Submission: Being Complied The gaseous load from various process units will be monitored by third party once the plant is in operation.		Date: 23/05/2024
4	Statutory compliance	A separate environment management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive
PPs Submission: Complied Environment Cell is created & governed under senior executive. Environmental Cell is attached		Date: 23/05/2024
5	Statutory compliance	The Regional Office of this Ministry at Bhubaneswar / CPCB / WBPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretations shall be submitted to them regularly.
PPs Submission: Being Complied It is being compiled.		Date: 23/05/2024
6	Statutory compliance	The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory
PPs Submission: Agreed to Comply Noted		Date: 23/05/2024
7	Statutory compliance	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997
PPs Submission: Agreed to Comply Noted		Date: 23/05/2024
8	Statutory compliance	The above conditions shall be enforced, inter-alias under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

PPs Submission: Agreed to Comply Noted		Date: 23/05/2024
9	AIR QUALITY MONITORING AND PRESERVATION	Ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the WBPCB. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and shall be carried out regularly in consultation with WBPCB and data submitted to the CPCB and WBPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.
PPs Submission: Partially Complied Ambient Air Quality station was there when the plant was in operation. The Plant is not in operation from last 10 Years. Reinstallation of Ambient Air Quality station will be done within a period of six to twelve months from operation. Presently Ambient Air Quality monitoring has been done by authorized third party. Monitoring report indicates that Ambient air quality including ambient noise levels does not exceed the standards. Copy of the monitoring report is attached .		Date: 23/05/2024
10	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rule, 1989 viz 75 dBA (day time) and 70 dBA (night time)
PPs Submission: Complied Ambient Noise monitoring has been done in four locations in both day and night time inside the project site i.e. near admin building, near gate no. 3, near CPP and near labour colony by authorized third party. Monitoring reports indicated that noise levels are within the stipulated limit. Report is attached.		Date: 23/05/2024
11	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
PPs Submission: Complied Occupational health surveillance of the workers has been done at regular interval Health checkup Report is attached.		Date: 23/05/2024
12	Corporate Environmental Responsibility	All the recommendations made in the Corporate Responsibility for Environment Protection (CREP) of CPCB issued for the steel plant shall be implemented
PPs Submission: Agreed to Comply Noted and will be complied.		Date: 23/05/2024
13	WATER QUALITY MONITORING AND PRESERVATION	The company shall develop rainwater harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
PPs Submission: Complied Rainwater Harvesting system was implemented. Pictorial evidence of rainwater collection pond is attached.		Date: 23/05/2024
14	Human Health Environment	Proper housekeeping and adequate occupational health programmes shall be taken up.

<p>PPs Submission: Complied Housekeeping system has taken up on regular basis. Occupational health check-up has also started on regular interval. Pictorial evidence of health check and occupational health centre is attached</p>		<p>Date: 23/05/2024</p>
15	Corporate Environmental Responsibility	The company shall undertake Eco-development measures including community welfare measures in the project area
<p>PPs Submission: Partially Complied Some CSR activity like health check-up has been taken up, Since the plant is not in operation currently and we are yet to start the plant, so a minimum expenditure done till date which is around 2.5 lakhs to 3 lakhs. Now for FY 24-25 budget around 5 to 8 lakhs has been taken for community welfare.</p>		<p>Date: 23/05/2024</p>
16	Statutory compliance	All the environment management measures given in the EIA/EMP shall be implemented and complied with.
<p>PPs Submission: Agreed to Comply Noted and will be complied.</p>		<p>Date: 23/05/2024</p>
17	MISCELLANEOUS	As proposed, 8 to 10 % and 2-3 % of the total project cost viz. Rs. 17,574.00 Lakhs shall be earmarked toward the capital cost recurring cost/annum for environment pollution control measures and used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as State Government. The fund so provided shall not be diverted for any other purpose.
<p>PPs Submission: Agreed to Comply The plant has been taken over through NCLT in May 2022. The stipulated condition will be adhere and followed accordingly.</p>		<p>Date: 23/05/2024</p>
18	Statutory compliance	The Project Authority 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 and the date of commencing the land development work
<p>PPs Submission: Complied The plant has been acquired through NCLT after our financial proposal has been duly accepted by the court therefore no separate financial closer and final approval of the project was required.</p>		<p>Date: 23/05/2024</p>
19	Statutory compliance	The project proponent shall inform the public that the project has been accorded environment clearance by the ministry and copies of the clearance letter are available with the W.B. Pollution Control Board and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bhubaneswar.
<p>PPs Submission: Complied The plant has been acquired through NCLT. The latest EC was obtained on 03.06.2009 by the previous proponent. Present management / proponent have taken the plant through NCLT on May 2022. Present management / proponent believes that the copy of public notification was given by the previous proponent in newspaper and copy of the same advertisement was available with the previous proponent only, but it is not available with present proponent.</p>		<p>Date: 23/05/2024</p>
20	Statutory compliance	The Ministry or any other competent authority may stipulate any

		further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional office of this Ministry located at Bhubaneswar
PPs Submission: Agreed to Comply Noted		Date: 23/05/2024
21	Statutory compliance	Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner
PPs Submission: Agreed to Comply Noted		Date: 23/05/2024
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		

Half Yearly Compliance Report

Name of Industry - M/s. Ramsarup Industries Limited (Formerly Ramsarup Lohh Udyog Ltd.),
Industrial Estate Kharagpur, Dist. - Paschim Medinipur, West Bengal

Reference No. F.No. J-11011/14/2008-IA II (I), Dated: 3rd June, 2009

Compliance Period – October 2023 to March 2024

S. N.	Conditions	Status
A	SPECIFIC CONDITIONS:	
i	Effort shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. Continuous stack monitoring facility for all the stacks shall be provided and sufficient air pollution control devices shall be provided to keep the emission level below 100 mg/Nm ³ . At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	Electrostatic Precipitator (ESP) is connected with DRI stack unit and cold ESP is connected with Raw Material handling area, product separation building, charcoal silo & product bunker etc. to keep the emission level within limit. Continuous stack monitoring systems is already installed with DRI plant. Ambient air monitoring had been done by third-party. Copy of third party ambient air monitoring report is attached as Annexure-1 .
ii	Electrostatic precipitator (ESP) shall be provided to DRI kiln, CFBC Boiler, WHRB and Sinter plant to control emission less than 100 mg/Nm ³ . Hot gases from DRI kiln shall be passed through dust settling chamber (DSC) to remove coarse solid and After Burning Chamber (ABC) to burn CO completely and used in Waste Heat Recovery Boiler (WHRB). The gas then shall be cleaned in ESP before leaving out in the atmosphere through ID fan and stack. Fume extraction system with bag filter shall be provided to steel melting shop (SMS). Stack of adequate height shall be provided to rolling mill, BG gas fired boiler and blast furnace stoves to control emission less than 100 mg/Nm ³ .	Electrostatic precipitator (ESP) has already been connected with DRI kiln & WHRB to clean the gas before leaving out in the atmosphere through ID fan and stack. Dust Settling Chamber (DSC) & After Burning Chamber (ABC) is connected to DRI. A dust injection ID fan is also attached with After Burning Chamber to collect the fugitive dust & particulate matter from intermediate bin (I-bin) and inject to After Burning Chamber (ABC) to burn CO & Particulate Matter completely. ABC chamber is connected with WHRB to generate power from the hot gases of DRI kiln. WHRB is connected with ESP. Steel Melting Shop, Rolling Mill and Blast Furnace is not yet installed. Air pollution control device along with adequate stack height shall be installed at

S. N.	Conditions	Status
		<p>the time of commissioning of plant and machineries to control the emission level within the stipulated limit.</p> <p>Sinter plant has not yet been installed. ESP will be connected when the Sinter plant will be installed.</p>
iii	<p>Data on ambient air quality, stack emission and fugitive emissions shall be uploaded on company's website and also regularly submitted on-line to the Ministry's Regional Office at Bhubaneshwar, West Bengal Pollution Control Board (WBPCB) and Central Pollution Control Board (CPCB) as well as hard copy on every six months. Data on SPM, SO₂, and NO_x shall also be displayed prominently outside the premises at the appropriate place for the information of general public.</p>	<p>Link of the company website is www.shyammetalics.com</p> <p>Previous half-yearly compliance report (Apr 2023 - Sept 2023) has been submitted through mail to Ministry's Regional Office at Bhubaneshwar and Integrated Regional Office at Kolkata, EIM cell of WBPCB, along with monitoring report of Ambient Air & Noise quality.</p> <p>Monitoring report for the period of Oct 2023 - March 2024 of the above said condition is enclosed as Annexure – 1.</p> <p>Display board is already installed at plant gate. Copy of the display board is enclosed as Annexure – 2.</p>
iv	<p>Gaseous emission levels including secondary fugitive emission from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by CPCB shall be followed. New standards issued by the Ministry for the sponge iron plant in May, 2008 shall be followed.</p>	<p>Noted and compiling accordingly.</p> <p>Guidelines issued by CPCB and new standards issued by the Ministry for the sponge iron plant in May, 2008, will be followed.</p>
v	<p>Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements should also be made to control dust emission during loading and unloading of raw material and finished product.</p>	<p>Vehicular pollution due to transportation of raw material and finished product will be controlled by providing tarpaulin cover and sprinkler system. Sprinkling system / Mist cannon system will be installed at Raw material loading, unloading area and finished product area.</p>
vi	<p>In-plant control measures for checking fugitive emissions at all the vulnerable sources shall be provided. Dry fog dust suppression system shall be provided to BF stock house. Dust extraction system with bag filter shall be provided at various dust generation points including</p>	<p>Dry fog dust suppression system will be provided to BF stock house at the time of operation.</p>

S. N.	Conditions	Status
	transfer points. Water spraying system shall be provided to control fugitive emissions in captive power plant. Dust suppression system shall be provided in raw material preparation plant. Fugitive dust emission from storage, transportation and raw material handling areas shall be controlled by water sprinkling and other dust suppression measures.	Cold ESP is connected with Raw Material handling area, product separation building, charcoal silo, product bunker, transfer points etc of DRI. to control fugitive emissions and dust suppression. Water sprinkling system has been provided to control the fugitive emission, it is now under repairing/Renovation stage. It will be operational once the plant operation started.
vii	Total ground water requirement from the Kharagpur municipality water supply system shall not exceed 720 m ³ /hr and permission for 1600 m ³ /hr is obtained. Process waste water shall be treated in Effluent Treatment Plant (ETP). Clarifies, thickener, sludge pond shall be provided to raw water treatment plant and blast furnace gas cleaning plant. Acidic effluent from demineralization plant shall be neutralized in neutralization pit. Settling tank filled with oil and grease traps shall be used for treatment of effluent from billet caster and hot rolling mills. All the treated wastewater shall be recycled and reused in the process to the maximum extent possible and reused either in the process or for slag granulation, dust suppression, greenbelt development, etc.	Noted and Complied. Revamping of plant is under process and it will be complied once the plant will be in operation. Effluent Treatment Plant (ETP) will be installed for treatment of wastewater and to reuse in process, water sprinkling and greenbelt development. Treated raw water will be supplied by Kharagpur Municipal Corporation. Blast furnace gas cleaning plant will be installed at the time of commissioning of Blast Furnace. Neutralization pit is provided in demineralization plant. Settling tank filled with oil and grease traps will be installed at the time of commissioning of SMS and Rolling Mill.
viii	Zero" effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises. Domestic effluent shall be appropriately treated in septic tank followed by soak pit and used for green belt development within the premises.	Zero Liquid Discharge (ZLD) is strictly followed and no wastewater will be discharged outside the premises. Domestic wastewater will be treated through Sewage Treatment Plant (STP) and used for plantation.

S. N.	Conditions	Status
ix	The water consumption should not exceed 16m ³ /Ton of steel as per prescribed standard.	Noted and will be complied accordingly.
x	Ground water monitoring around the solid waste disposal site / secured landfill (SLF) shall be carried out regularly and report submitted to the Ministry's Regional Office at Bhubaneshwar, CPCB and WBPCB.	Ground water monitoring will be done on regular basis once the plant will be in operation.
xi	Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003.	Noted and will be complied when FBC boiler will be installed in future.
xii	All the char / dolochar from DRI plant shall be utilized in CFBC boiler of power plant and no char shall be disposed off anywhere else. CFBC boiler shall be installed simultaneously along-with the DRI plant to ensure full utilization of char from the beginning. All the blast furnace (BF) slag shall be granulated and provided to cement manufacturers for further utilization. BF flue dust, BF sludge EAF dusts, mill scales, sinter plant dust and DRI fines shall be recycled and used Sinter plant. Scrap shall be recycled back to the steel melting shop. SMS slag shall also be properly utilized. All the other solid wastes including broken refractory mass shall be properly disposed off in the environment -friendly manner. Oily waste / lubricants shall be provided to authorized recyclers/reprocessors or properly disposed off as per Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.	<p>Noted and will be complied when FBC boiler will be installed in future.</p> <p>After commissioning of the Blast Furnace, BF slag will be granulated and provided to cement manufacturers.</p> <p>Once the Sinter plant will be installed, the management of BF Flue dust, BF sludge, EAF dusts, mill scales, DRI fines etc. will be done accordingly.</p> <p>Scrap will be reused in SMS and SMS slag shall be utilized accordingly.</p> <p>Broken refractory will be disposed properly.</p> <p>Oily waste / lubricants will be properly disposed off through WBPCB / CPCB approved vendor (West Bengal Waste Management Limited.)</p>
xiii	Coal and coke fines shall be recycled and reused in the process. Iron ore, fluxes, mill scales etc. shall be recycled to sinter plant to produce sinter.	Once the Sinter plant will be installed, coal and coke fines shall be recycled/reused and iron ore, fluxes, mill scales etc. shall be recycled accordingly.
xiv	All the slag including from EAF and SMS shall be used for land filling inside the plant or used as building material only after passing through Toxic Chemical Leachability Potential (TCLP) test. Toxic slag shall be disposed in a secured landfill as per CPCB guidelines. Otherwise hazardous substances shall be recovered from the slag and output waste and be disposed in secured landfill as per CPCB guidelines.	<p>Presently no EAF and SMS has been installed. After installation and followed by commissioning of EAF & SMS, all the slag will be used for land filling or used as building material after TCLP test.</p> <p>Toxic slag will be disposed through WBPCB / CPCB approved vendor for proper disposal.</p>
xv	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	Action plan has been prepared to reduce solid waste, its proper utilization and

S. N.	Conditions	Status
		disposal. The same is attached as Annexure – 3.
xvi	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to Ministry's Regional Office at Bhubaneshwar, CPCB and WBPCB	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured as per TCLP test and report will be submitted Ministry's Regional Office at Bhubaneshwar, CPCB and WBPCB.
xvii	Green belt shall be developed in 33% area within and around the plant premises to mitigate the effects of fugitive emissions as per the CPCB guidelines in consultation with DFO.	Stipulated condition has been complied and maintained accordingly.
xviii	All the recommendations made in the Charter of Corporate Responsibility for Environment Protection (CREP) for the steel plant shall be implemented	The condition is being complied.
xix	The company shall provide housing for 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Accommodation facility for labours along with drinking water & toilet, canteen facility have been provided. Photographs of the Accommodation facility and Canteen is attached as Annexure – 4.
B	GENERAL CONDITIONS:	
i	The project authority shall adhere to the stipulations made by West Bengal Pollution Control Board (WBPCB) and State Government.	Noted and will be followed accordingly.
ii	No further expansion and modification of the plant shall be carried out without prior approval of the Ministry.	Noted and will be followed accordingly.
iii	The gaseous from various process units shall conform to the load/mass based standards notified by the Ministry on 19th May, 1993 and standards prescribed from time to time. The West Bengal Pollution Control Board (WBPCB) may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	The gaseous load from various process units will be monitored by third party once the plant is in operation.
iv	Ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the WBPCB. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and shall be carried out regularly in consultation with WBPCB and data submitted to the CPCB and WBPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.	Ambient Air Quality station was there when the plant was in operation. The Plant is not in operation from last 10 Years. Reinstallation of Ambient Air Quality station will be done within a period of six to twelve months from operation. Presently Ambient Air Quality monitoring has been done by authorized

S. N.	Conditions	Status
		third party. Monitoring report indicates that Ambient air quality including ambient noise levels does not exceed the standards. Copy of the monitoring report attached as Annexure-1 .
v	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rule, 1989 viz 75 dBA (day time) and 70 dBA (night time)	Ambient Noise monitoring has been done in four locations in both day and night time inside the project site i.e. near admin building, near gate no. 3, near CPP and near labour colony by authorized third party. Monitoring reports indicated that noise levels are within the stipulated limit. Report attached as Annexure-1
vi	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers has been done at regular interval Health checkup Report is attached as Annexure-5 .
vii	All the environment management measures given in the EIA/EMP shall be implemented and complied with.	Noted and will be complied.
viii	All the recommendations made in the Corporate Responsibility for Environment Protection (CREP) of CPCB issued for the steel plant shall be implemented	Noted and will be complied.
ix	The company shall develop rainwater harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Rainwater Harvesting system was implemented. Pictorial evidence of rainwater collection pond is annexed as Annexure-6 .
x	Proper housekeeping and adequate occupational health programmes shall be taken up.	Housekeeping system has taken up on regular basis. Occupational health check-up has also started on regular interval. Pictorial evidence of health check and occupational health centre is annexed as Annexure-7 .
xi	The company shall undertake Eco-development measures including community welfare measures in the project area	Some CSR activity like health check-up has been taken up, Since the plant is not in operation currently and we are yet to start the plant, so a minimum expenditure done till date which is around 2.5 lakhs to 3 lakhs. Now for FY 24-25 budget around 5 to 8 lakhs has been taken for community welfare.

S. N.	Conditions	Status
xii	A separate environment management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive	Environment Cell is created & governed under senior executive. Environmental Cell is annexed as Annexure-8 .
xiii	As proposed, 8 to 10 % and 2-3 % of the total project cost viz. Rs. 17,574.00 Lakhs shall be earmarked toward the capital cost recurring cost/annum for environment pollution control measures and used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as State Government. The fund so provided shall not be diverted for any other purpose.	The plant has been taken over through NCLT in May 2022. The stipulated condition will be adhere and followed accordingly.
xiv	The Regional Office of this Ministry at Bhubaneswar / CPCB / WBPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretations shall be submitted to them regularly.	It is being compiled.
xv	The Project Authority 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 and the date of commencing the land development work	The plant has been acquired through NCLT after our financial proposal has been duly accepted by the court therefore no separate financial closer and final approval of the project was required.
xvi	The project proponent shall inform the public that the project has been accorded environment clearance by the ministry and copies of the clearance letter are available with the W.B. Pollution Control Board and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bhubaneswar.	The plant has been acquired through NCLT. The latest EC was obtained on 03.06.2009 by the previous proponent. Present management / proponent have taken the plant through NCLT on May 2022. Present management / proponent believes that the copy of public notification was given by the previous proponent in newspaper and copy of the same advertisement was available with the previous proponent only, but it is not available with present proponent.
7	The Ministry or any other competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional office of this Ministry located at Bhubaneswar	Noted
8	The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory	Noted

S. N.	Conditions	Status
9	Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner	Noted
10	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997	Noted
11	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted

ANNEXURE – 1



Qualissure Laboratory Services

NABL ACCREDITED, WBPCB & ISO 9001:2015 CERTIFIED LABORATORY

361, Prantick Pally,
45/361, Bose Pukur Road,
Kolkata - 700107
Email : qualissure@gmail.com
Mob. No. : 9831287086
9830093976

DOC NO : QLS/SAMP/08-A/00

TEST REPORT

Name & Address Of the Customer : M/s. Ramsarup Industries Limited Kharagpur, West Medinipur, Tata Metaliks Road, Rakhjungle, Kharagpur - 721301	Report No.	: QLS/OS/A/23-24/C/429
	Date	: 06.04.2024
	Sample No.	: QLS/OS/A/23-24/429(A-D)
	Sample Description	: Ambient Air Monitoring
	Date of Performance(s)	: 30.03.2024-06.04.2024
	Ref No. Date	: Verbal Confirmation

Analysis Result

Sampling Done by: Mr. S.Ghosh & Team			Sampling done as per : CPCB Guidelines (Volume-1)				
Environmental Condition : Clear & Sunny			Average Temperature : 30°C				
Sample No.	Location	Date of Sampling	Particulate Matter (<10µm) in µg/m ³	Particulate Matter (<2.5µm) in µg/m ³	Sulphur dioxide (SO ₂) in µg/m ³	Nitrogen dioxide (NO ₂) in µg/m ³	Carbon Monoxide (CO) in µg/m ³
			Method of Test Reference				
			IS: 5182 (Part-23)-(RA-2017)	USEPA CFR-40, Part-50, Appendix-L	IS: 5182 (Part-2)-2001, (RA-2017)	IS: 5182 (Part-6)-2001, (RA-2017)	IS: 5182 (Part-10):1999, (RA-2014)
			Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality				
			100	60	80	80	2000
429A	Near Admin Building	28.03.2024	92	51	12.4	32.1	984
429B	Near Gate No.3		78	43	9.2	30.3	961
429C	Labour Colony	29.03.2024	81	45	11.5	33.7	892
429D	CPP		75	40	10.8	28.6	938
NOTE:							

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

-----End of Report-----

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced without the permission of Qualissure Laboratory Services.
- The reserved part of sample(s), except perishable sample(s), shall be retained for 30 days from the date of issue of the Test Report.



DOC NO : QLS/SAMP/08-C/00

TEST REPORT

Name & Address Of the Customer : M/s. Ramsarup Industries Limited Kharagpur, West Medinipur, Tata Metaliks Road, Rakhjungle, Kharagpur - 721301	Report No. :	QLS/OS/A/23-24/C/430
	Date :	06.04.2024
	Sample No. :	QLS/OS/A/23-24/430(A-D)
	Sample Description :	Noise Monitoring
	Date of Performance :	30.03.2024-06.04.2024
Ref No. Date :	Verbal Confirmation	

Monitoring Result of Noise

Sampling Done By: Mr.S.Ghosh & Team					
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)					
Sample No.	Date of Monitoring	Location	Maximum dB (A)	Minimum dB (A)	Average dB (A)
430A	28.03.2024	Near Admin Building	73.2	51.2	63.3
430B		Near Gate No.3	68.1	55.2	61.8
430C	29.03.2024	Labour Colony	71.4	43.6	57.8
430D		CPP	74.3	48.9	61.2
Note :					

Code/ Category	Leq dB Day Time(A)	Leq dB Night Time(A)	NOTE: Day Time : 06.00 Hr. – 22.00 Hr. Night Time : 22.00 Hr. – 06.00 Hr.
A/Industrial	75	70	
B/Commercial	65	55	
C/Residential	55	45	
D/Ecological Sensitive	50	40	

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By



Benimadhab Gorai, Chemist
(Authorized Signatory)

-----End of Report-----

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ANNEXURE – 2

Photograph of Display Board



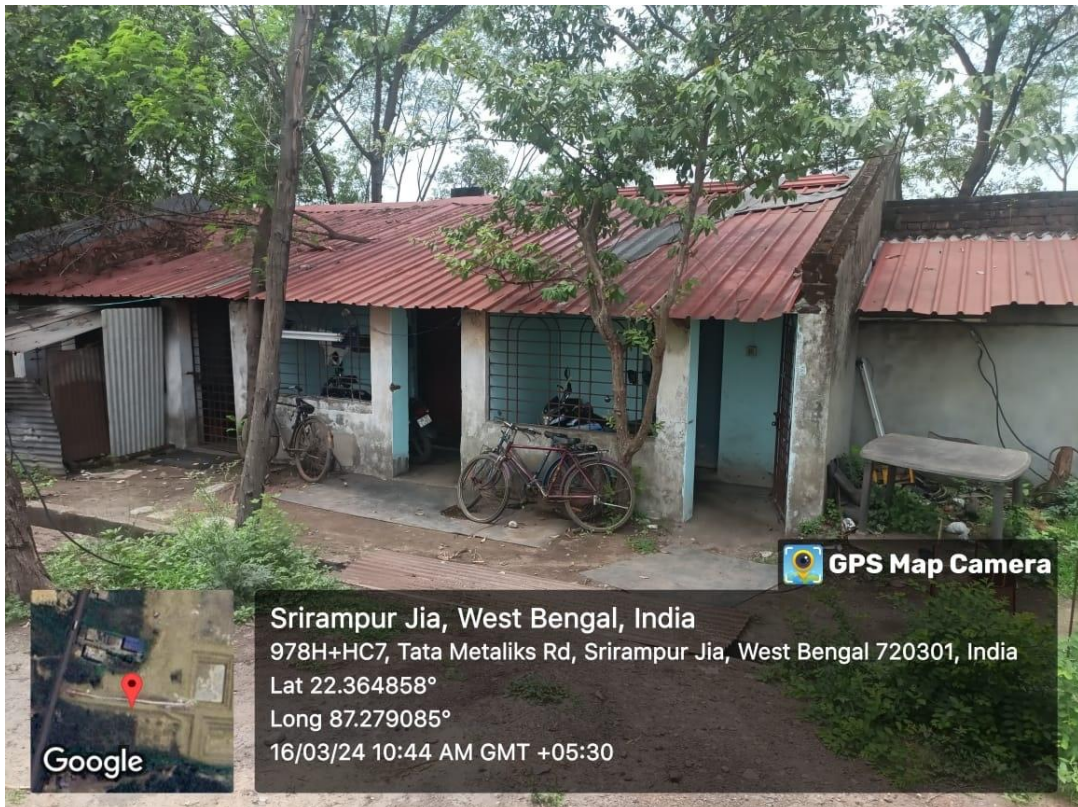
ANNEXURE – 3

Action Plan for Solid Waste Management

- APC Dust collected from ESP & bag filter of Sinter Plant and other units will be reused for sinter making.
- Blast Furnace Slag (230000 TPA) will be used in cement manufacturing.
- Dolochar (60000 TPA) from the DRI units will be used in CFBC boiler for power generation. Presently Dolochar is being stored in secured area inside the plant.
- The hot slag (91310 TPA) generated from Electric Arc Furnace will be transferred to slag yard after cooling. Slag from Electric Arc Furnace after metal recovery in metal recovery plant (slag crusher) will be used for Construction purpose.
- Solid wastes that will be generated from CCM as well as Rolling Mill are the scales, end cuts, miss rolls (40000 TPA) will be used in Electric Arc Furnaces.
- Fly ash (139200 TPA) generated from Captive Power Plant will be utilized as raw material for the cement plant / Fly ash Brick Manufacturing. Generated fly ash will be sold out to cement manufacturing unit or Fly ash Brick Manufacturing unit.
- Bottom ash (34800 TPA) generated from the captive power plant will used for land filling / Road construction purpose.
- Solid waste of domestic origin generated in the plant from worker canteen will be disposed suitably in consultation with the concerned Kharagpur Municipality.
- Biomedical waste from occupational health center will be disposed of through authorized vender namely M/S West Bengal Waste Management Limited (an authorized vender by WBPCB). Work order for the same has already been issued.

ANNEXURE – 4

Photographs of Housing facility for workers



ANNEXURE – 5

Date 02/09/2023

SLNO-1

SLNO-01

Patient Name Pran Krishna Maw

Age 53 y Height 159 cm

Symptoms

Coughing Breathlessness

Wheezing Chest tightness

PEFR

Predicted 410 C/m

Actual 480 C/m

Name of Pharmacist Counsellor

Disclaimer: This material is for informational purposes only. It does not replace the advice or counsel of a doctor or health care professional. You should consult with, and rely only on the advice of your physician or health care professional.

Patient Name: PRANKRISHNA MANI

Age: 53⁺ ✓ Sex: M Date: 22.11.2023

Weight: 61 ✓

Blood Pressure: 127/84 ✓

R.B.S.: 114.0g/dL ✓

H₂O

HTN 1

Cholesterol +

adv

≥ ECG

— Lipid Profile

D

= TO continue all the medicine

= Morning 1st dose

○ Tab. Stamlo 5
1 tab OD at
Bed time & to work

= Regd to Sr. Cardiologist Praveen



PATIENT HELPLINE
1800-309-0309

Meridian Medical Research & Hospital Ltd.
Narayana Superspeciality Hospital
(CIN NO: U85110W81995PLC071440)
100th Anniversary Road, Haverah 711 102

2023112206160067

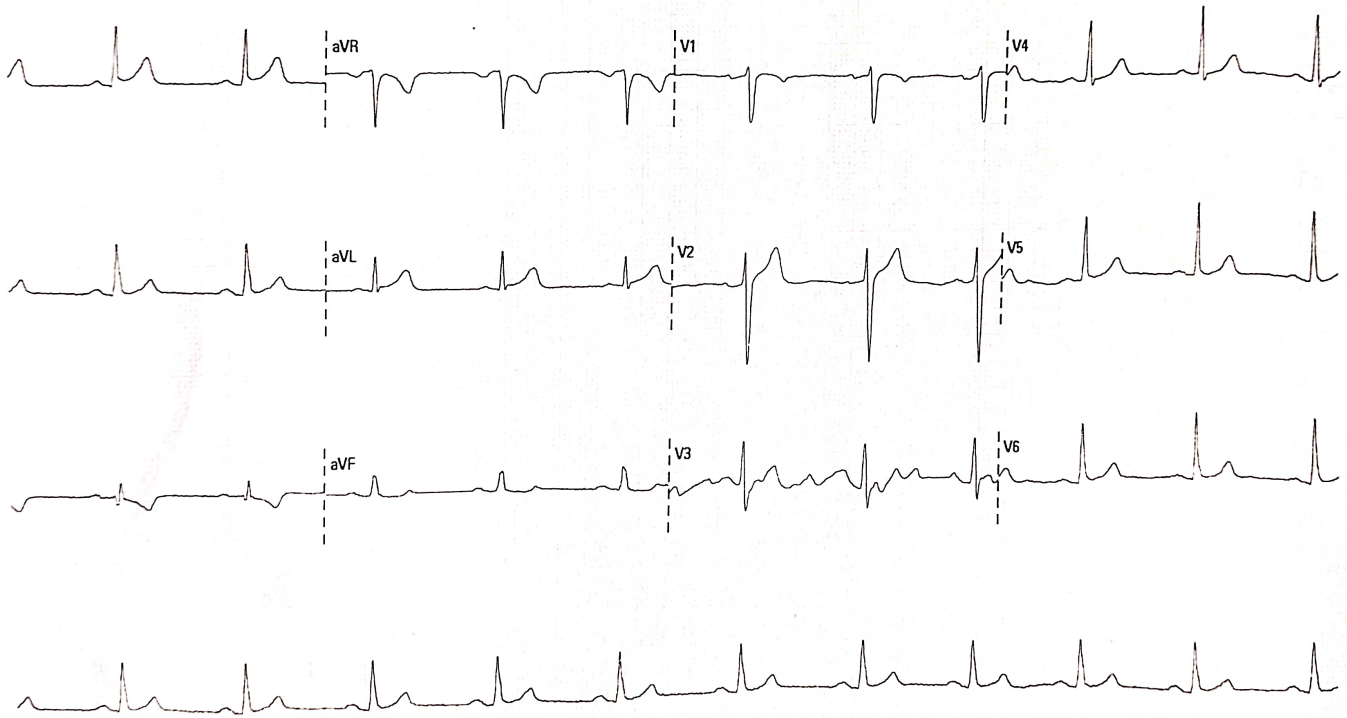
2023-11-22 06:55:36

Vent. Rate
PR Interval
QRS Duration
QT/QTc Interval
P/QRS/T Axes
QTc:Hodges

68 bpm
160 ms
86 ms
360/374 ms
48/33/1 deg

Sinus rhythm
--- Interpretation made without knowing patient's gender/age ---
Lateral ST elevation - possible early repolarization
Inferior T wave abnormality is nonspecific
Borderline ECG

Unconfirmed Diagnosis.



02 05 00/V28.4.1

SN-FN-6B005832

Photo Maker May 17, 2024, 12:02

Date 22/11/2023

SL.NO. 04

Patient Name Biplab Mondal

Age 42 Y Height 160 cm

Symptoms

Coughing Breathlessness

Wheezing Chest tightness

PEFR

Predicted 438 L/m

Actual 380 L/m

Name of Pharmacist Counsellor

Disclaimer: This material is for informational purposes only. It does not replace the advice or counsel of a doctor or health care professional. You should consult with and rely only on the advice of your physician or health care professional.

SL NO - 31

Ecg

Patient Name : BIPLAB MANDAL

Age : 42 Sex : M Date : 22.11.2023

Weight : 87

Blood Pressure : 150/90

R.B.S. : 211

**NHI** Narayana
Superspeciality Hospital
Unit of Narayana Health



PATIENT HELPLINE
1800-309-0309

Meridian Medical Research & Hospital Ltd.
Narayana Superspeciality Hospital

GE Healthcare (A-E) 3

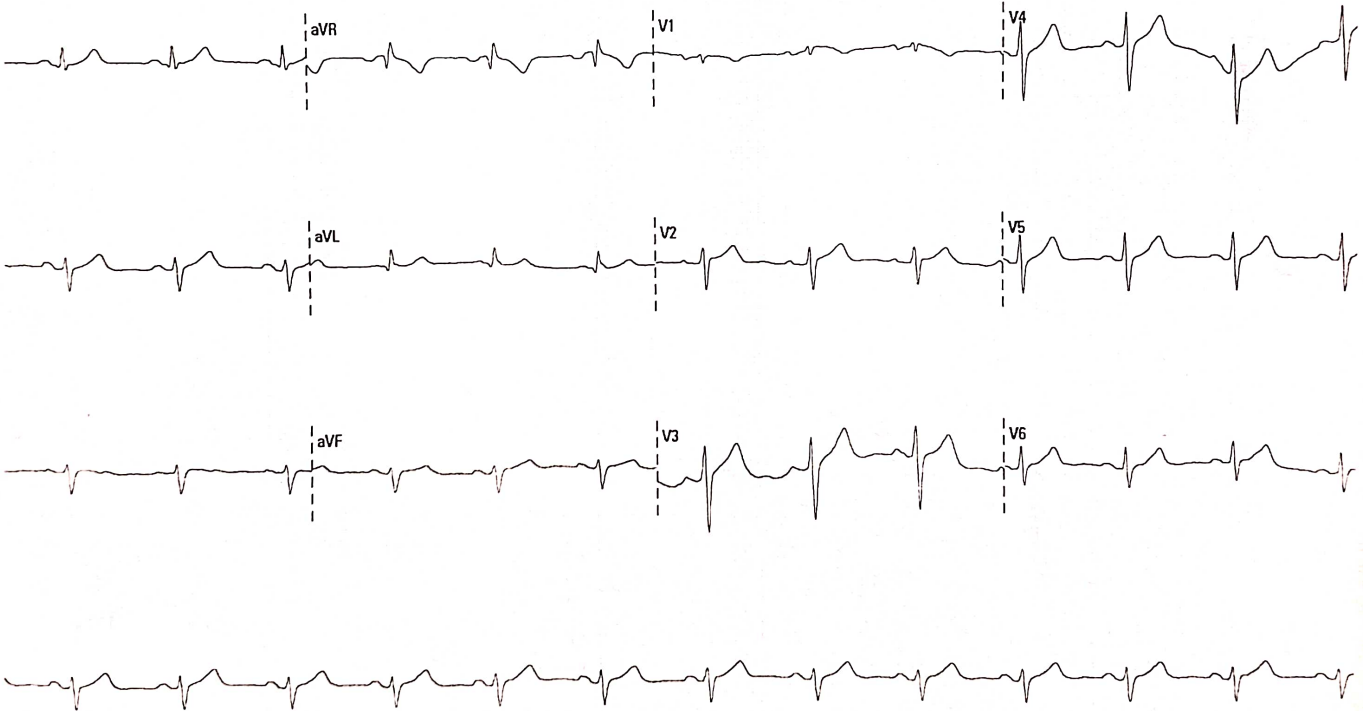
2023112206160067

2023-11-22 07:36:22

Vent. Rate	79 bpm
PR Interval	148 ms
QRS Duration	82 ms
QT/QTc Interval	360/393 ms
P/QRS/T Axes	46/-38/34 deg
QTc:Hodges	

Sinus rhythm
--- Interpretation made without knowing patient's gender/age ---
Possible left anterior fascicular block
Borderline ECG

Unconfirmed Diagnosis.



25 mm/s 10 mm/mV 50 Hz BDR 20 Hz

02 05 00/V28.4.1

SN FN-6B005832

FORM NO. 17

HEALTH

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

1. Serial No. in the Register of Adult Worker:- 33303227
2. Name of Worker:- BIPLAB KUMAR MONDAL
3. Sex:-

REGISTER

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

4. Date of Birth: 05/10/1980
5. Medical examination and the results thereof

If declared unfit for work

Department works	Name of hazardous process	Dangerous process/operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of Posting	Date of leaving/transfer to other work	Reason for discharge transfer to other work	Signs and symptoms observed during examination
EST			Manager					
CPP					10.11.2018			

Nature of tests & results thereof	Result Fit/unfit	Period of Temporary withdrawal from that work	Reasons for each withdrawal	Date of declaring him unfit for that work	Date of issuing Fitness Certificate	Signature with date of the Factory Medical Officer/ the certifying Surgeon
PEFR. Normal ECG. Normal R.B.G. Normal.	Fit					

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

May 17, 2024 12:02 PM

SLNO- 2

SLNO- 2
2

Date 24/11/2023

Patient Name Par Suram Mohakud

Age 33 y Height 172 cm

Symptoms

Coughing Breathlessness

Wheezing Chest tightness

PEFR

Predicted 492 ✓ cm

Actual 610 cm

Name of Pharmacist Counsellor

Disclaimer: This material is for informational purposes only. It does not replace the advice or counsel of a doctor or health care professional. You should consult with, and rely only on the advice of your physician or health care professional.

Patient Name: PARBURAM MOHAKUD

Age: 35 ✓ Sex: M Date: 22.11.2023

Weight: 76 ✓

Blood Pressure: 122/95 ✓

R.B.S.:

Hco

NSD.

2 = CP. A to 2 Gold
 1 cal OD at Bed
 times x 1mm

[Signature]

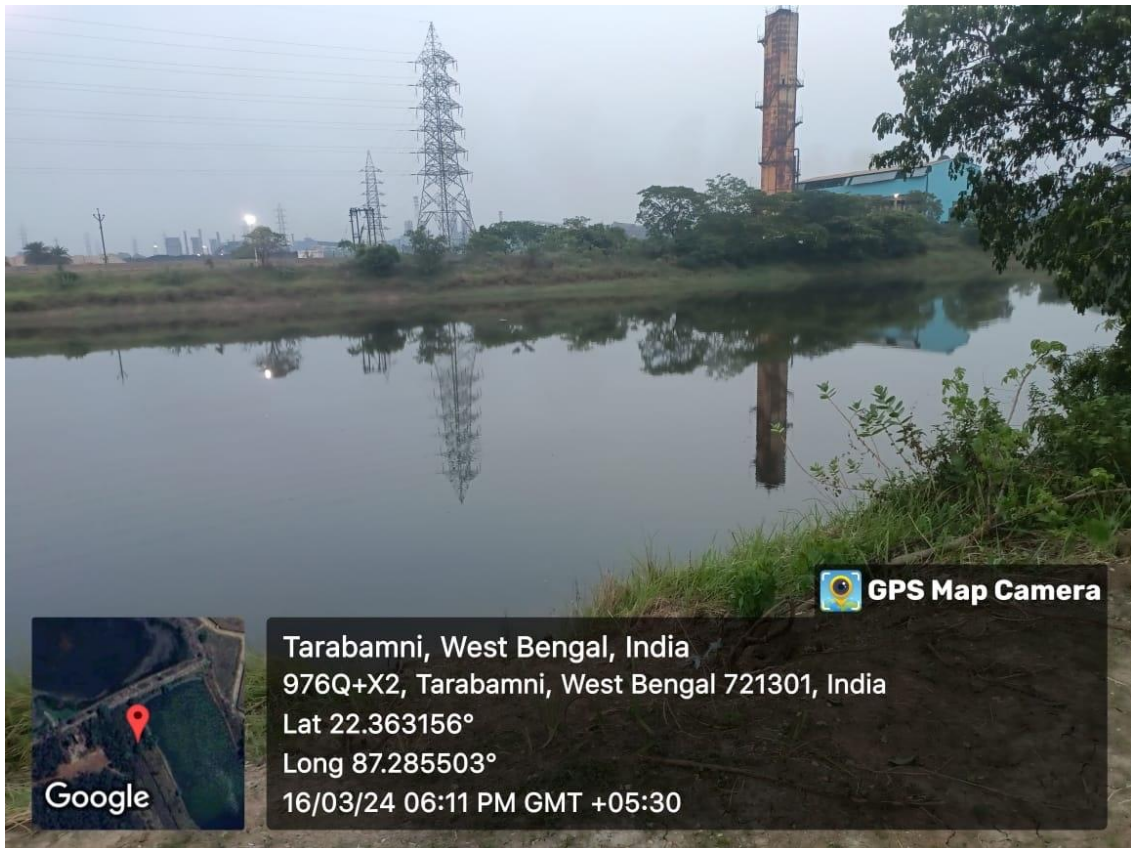


PATIENT HELPLINE
1800-309-0309

Meridian Medical Research & Hospital Ltd.
Narayana Superspeciality Hospital
(CIN NO: U85110W81995PLC071440)

ANNEXURE – 6

Photographs of Rainwater Harvesting (RWH) Pond



ANNEXURE – 7

Photographs of Occupational Health Centre



Photographs of Health Check-up



ANNEXURE – 8

Environment Cell

Executive Director



HOD - Environment



Dy. / Asst. Manager - Environment



Chemist



Officer