Six Monthly Environmental Compliance Report

(Period: April, 2025 to September, 2025)

REFER MOEF&CC EC VIDE FILE NO. J-11011/566/2008-IA.II(I) DATED 4TH JANUARY, 2023

for

STATUS OF ENVIRONMENTAL CLEARANCE CONDITIONS FOR PROPOSED EXPANSION OF EXISTING STEEL PLANT BY INSTALLATION OF 1X400 TPD SPONGE IRON PLANT (1,32,000 TPA), STEEL MELTING SHOP FOR TOTAL PRODUCTION OF 2,60,500 TPA BILLETS, 1,92,000 TPA ROLLING MILL AND 20 MW CAPACITY CAPTIVE POWER PLANT PROJECT WITHIN THE EXISTING PLANT PREMISES

at

Village Benipur, PO: Saltore, Tehsil Neturia, District Purulia, West Bengal

Project Proponent

M/s AIC Iron Industries Pvt. Ltd.

25, Ganesh Chandra Avenue, 4th Floor, Kolkata-700 013, West Bengal

STATUS OF ENVIRONMENTAL CLEARANCE CONDITIONS FOR PROPOSED EXPANSION OF EXISTING STEEL PLANT BY INSTALLATION OF 1X400 TPD SPONGE IRON PLANT (1,32,000 TPA), STEEL MELTING SHOP FOR TOTAL PRODUCTION OF 2,60,500 TPA BILLETS, 1,92,000 TPA ROLLING MILL WITH 1X15 TPH REHEATING FURNACE AND CAPTIVE POWER PLANT [20 MW (10 MW WHRB + 10 MW AFBC)] WITHIN THE EXISTING PLANT PREMISES BY M/S AIC IRON INDUSTRIES PRIVATE LIMITED LOCATED AT VILLAGE BENIPUR, TEHSIL NETURIA, DISTRICT PURULIA, WEST BENGAL

(PERIOD: APRIL, 2025 TO SEPTEMBER, 2025)

Ref.: MOEF&CC ENVIRONMENTAL CLEARANCE VIDE FILE NO. J-11011/566/2008-IA.II(I) DT. 4TH JANUARY, 2023

M/s AIC Iron Industries Pvt. Ltd. had received Environmental Clearance from MoEF&CC Vide File No. J-11011/566/2008-IA.II(I) dt. 4th January, 2023. As on date, 400 TPD DRI Kiln, 3x15 T Induction Furnaces, 0.15 MTPA Rolling Mill & 10 MW capacity WHRB based Captive Power Plant which is under operation at Village - Benipur, P.O.: Saltore, Dist. Purulia in West Bengal. The rest units like 1x15 T Induction Furnace, 0.042 MTPA Rolling Mill & 10 MW capacity AFBC based Captive Power Plant is under implementation stage. The company has already discarded the old 1x3 T & 1x6 T induction furnaces in continuation to the modification with further capacity as advised in EC 2023.

The compliance of the conditions presented in the Environmental Clearance dated 04.01.2023 from MoEF&CC is presented below.

SL. NO.	CONDITIONS	STATUS
A.	**SPECIFIC CONDITIONS:**	
i.	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of	All the environmental protection measures and safeguards proposed in the project is being / shall be complied. All the recommendations made in the EIA/EMP in respect of environmental management and

	environmental management, and risk mitigation measures relating to the project shall be implemented.	risk mitigation measures relating to the project is being / shall be implemented.
ii.	The project proponent shall utilize modem technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	To control carbon emission, modern technology is being/ shall be adopted in the proposed project. Use of scrap, greenbelt development, use of waste heat from DRI kilns for power generation, use of LED light in the project is helpful in carbon sequestration. A detail study report on De-carbonization program and Green House Gases inventory has been prepared.
iii.	497.5 m^3/day of water requirement after the proposed expansion shall be met from Damodar River through DVRRC supply (397.5 m^3/day) and 100 m^3/day shall be recycled. No ground water shall be abstracted	No ground water is being used in the existing project. Water requirement for the existing project is being full filled by DVC supply from River Damodar.
iv.	Following additional arrangements to control fugitive dust shall be provided:	
a.	Fog/Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.	As suggested, Fog, Mist, Water Sprinklers already installed at relevant locations within the plant premises.
b.	Proper covered vehicle shall be used while transport of materials.	Presently, covered vehicle is being used for materials transportation in the existing project. Same practice shall be adopted in future.
c.	Wheel Washing mechanism shall	Tyre Washing Facility has been

	be provided in entry and exit gates with complete recirculation system.	installed at the unit.
v.	All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.	All internal roads and connecting roads have been developed and concreted.
vi.	All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.	Stockyards have been provided with water spray system and paver flooring. Garland drains also provided to trap the run off material.
vii.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.	Performance test is being carried out for Pollution Control Devices attached with Sponge Iron Plant and Steel Melting Shop. The test report is enclosed as **Annexure-I**.
viii.	Particulate matter emission from stacks shall be less than 30 mg/Nm^3. Action plan submitted to limit the dust emission shall be strictly implemented.	As mentioned in the EIA Report, stack emission from Sponge Iron Plant and Induction Furnaces is maintained within the permissible limit 30 mg/Nm^3. Installed Air pollution control systems, Water sprinklers, greenbelt is being regulate the dust emission. The stacks emission monitoring reports for the period of April, 2025 to September, 2025 for Sponge Iron Plant and Steel Melting Shop is enclosed as **Annexure-I**.
ix.	Solid waste utilization	
a.	PP shall install a slag crusher to convert steel slag into aggregate	Slag crusher is being used to convert steel slag into aggregate.

	for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.	
b.	PP shall recycle/reuse 100% solid waste generated in the plant.	Solid Waste Management: ➢At present dolochar from 1x400 TPD DRI Kiln is being sold to the other Company for use in their power generation. Same dolochar will be used after installation of AFBC boiler of CPP in our project. ➢Induction Furnace slag is being used for road construction & repairing / land filling purposes. ➢End Cuts, Scale & Scrap from CCM & Rolling Mill is being reused in Induction Furnaces. ➢Fly ash will be sold as a raw material in cement plant / brick manufacturers in the neighborhood. ➢Bottom ash will be utilised for brick making / land filling purposes.
c.	Used refractories shall be recycled as far as possible.	Used refractories are sold to recycler. Also used for road construction/land filling purpose.
x.	Damodar River (2.8 Km, NW), Panchet Reservoir (3.84 Km, W) and Baranti Reservoir (8.66 Km, SSE) exists within the study area. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.	The plant is designed as a zero liquid discharge plant. No wastewater is being discharged outside the plant premises. All internal roads and connecting roads have been developed and concreted.
xi.	The proposed project shall be	The plant is designed as a zero

	designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. MSW waste shall be treated in digester and recovered gas shall be used in the canteen.	liquid discharge plant. At present the waste water is being utilised for various purposes inside the plant after cooling. Sewage Treatment Plant installed at the unit for treatment of domestic effluent. Municipal Solid Waste is being treated in the digestor installed within the plant.
xii.	The company shall also undertake rain water harvesting measures as per the plan submitted in the EIA/EMP report and reduce water dependence from the outside source.	Rainwater is being harvested within the plant premises. The harvested rain water is being used in greenery, dust suppression and other non-critical purposes, which is ultimately reducing water dependency from the outside source.
xiii.	Benipur (0.1 km, NNE) and Boropukur (0.6 km, NNE) exists within the study area of project site. Project Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The company shall also include this location in its environmental monitoring programme.	To minimise the impacts of the project on the habitation of the locals the company has implemented different environmental safeguard measures like installation of proper APC devices, measures for control of fugitive emission, greenbelt development etc. within the project site. Ambient Air Quality monitoring is being carried out at 4 (four) relevant locations near the existing plant including village Benipur & Boropukur. The monitored data of Ambient Air Quality for the period of April, 2025

<table>
<tr><td></td><td></td><td>to September, 2025 have been attached as Annexure-I.</td></tr>
<tr><td>xiv.</td><td>As committed to adopt Benipur village, project proponent shall prepare and implement a robust plan to develop it into model villages in next 10 years.</td><td>As mentioned in the time bound Action Plan of Public Hearing in the EIA/EMP report, the company has already initiated development of village Benipur in all respect. As per EC dated 04.01.2023 an amount of Rs. 70.2 lakhs was allocated for development of nearby Benipur village. Till date, Rs. 96.5 Lakhs are already spent for this purpose, the details of which are presented below,
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<tr><th>Sl. No.</th><th>CER Activities</th><th>Cost Incurred (in Rs. Lakhs)</th></tr>
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</table></td></tr>
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		painting of local school	
		7	100 Dustbins provided to the villagers	1.0
		8	Maintenance of 2 ponds	3.8
		TOTAL		**96.5**
xv.	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	The e-waste generated from the existing units is being disposed of through the Authorised Agency namely West Bengal Electronics Ind. Dev. Corp. Ltd., Kolkata.
xvi.	Three tier Green Belt shall be developed in at least 33% of the project area in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC .	M/s AIC Iron Industries Private Limited has already developed green belt in 3.30 hectares (8.16 acres) of land [which is 33% of the existing project area, i.e. 10.01 hectares (24.74 acres)] Around 8250 number of trees (@2500 per ha.) have been planted till date.
xvii.	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	Internal roads are paved to arrest soil erosion and dust pollution from exposed soil surface. Moreover, 33% area is already covered under greenbelt.
xviii.	Air Cooled condensers shall be used in the captive power plant.	Air Cooled Condensers are installed in Captive Power Plant.
xix.	During operational phase at Captive Power Plant, PP shall measure coal dust exposures and to maintain coal dust exposures within stipulated	As mentioned, all measures adopted for safety of the environment & workers during operational phase of 10 MW capacity captive power plant

	standards at coal handling areas. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.	(AFBC). Heat stress survey as well as noise monitoring within process plant is being conducted.
xx.	All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC .	Company has already initiated measures to fulfil the commitments made during Public Hearing. A number of the commitments have already been fulfilled. Out of Rs. 134 Lakhs as committed in the EIA/EMP report, Rs. 109.8 lakhs have already been incurred which amount to 82% of the total committed amount.
xxi.	The project proponent shall maintain the records on the total dust generated per month and the percentage of dust captured by pollution control equipment and to be submitted to IRO on six- monthly basis.	Records of the total dust generated per month and the percentage of dust captured by pollution control equipment is being maintained.
xxii.	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification	As per notification of MoEF&CC on 12/08/2021, the Company has totally banned Single Use Plastic (SUP) in its existing project and the same practice shall be adopted in future also. The Company is conducting awareness programme among people working within the project area as well as its surrounding area w.r.t. the ban of SUP.

	published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.	
xxiii.	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest	In the existing project ESP is attached with DRI Kiln, Bag filters is attached with the Induction Furnaces to control PM emissions within limit. Air pollution control devices like ESP, Bag Filet, Water sprinkler will be installed at the relevant locations with the units under implementation / to be implemented for proper control of PM emission. Tankers mounted with water sprinkler system is being regularly used to control dust level on roads within as well as outside the plant area.

	suspended dust in the atmosphere.	

SL. NO.	CONDITIONS	STATUS
B.	**GENERAL CONDITIONS :**	
i.	The Environment Clearance (EC) granted to the project / activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount / construe to approvals / consent/ permissions etc., required to be obtained or standards / conditions to be followed under any other Acts / Rules / Subordinate legislation etc., as may be applicable to the project.	Noted.
II.	**Air quality monitoring and preservation**	
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as two Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under	Continuous Stack Monitoring device has been installed to the stack connected with IFs. One new CAAQMS device has also been installed at plant premises. The continuous emission data for **CAAQMS** and **OCEMS** is enclosed as **Annexure-VI**.

	Environment (Protection) Act, 1986 or NABL accredited laboratories.	
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.	Fugitive emissions monitoring has been carried out for the period of April, 2025 to September, 2025 within the the existing plant premises. The monitored data have been attached as **Annexure-I**.
iii.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	To control air pollution in the existing plant, ESP, bag filters are installed at relevant locations. Dust extraction system / Dust suppression system is also installed with the plant area to control fugitive emission. In the proposed project APC like ESP, Bag Filter, dust suppression system will be installed at relevant locations. 33% green belt in the existing plant area is already developed to control fugitive emission.
iv.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Being complied.
v.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.	Mainly Iron Ore lump, coal & coke, limestone are being used as raw material in the existing Sponge Iron Plant. Other fines in the form of dust are being generated in the pollution control devices connected with

		sponge iron plant and Steel Melting Shop which are being used in the near by Pellet / Sinter plant / paver block manufacturing unit.
vi.	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	In the existing project covered trucks is being used for material movement. Same practice shall be adopted for the proposed project.
vii.	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Primary & Secondary Fume Extraction Systems have been installed.
viii.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Being complied.
III.	**Water quality monitoring and preservation**	
i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30th May 2008; G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF); 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.	The unit is based on "Zero Liquid Discharge" concept and no effluent is being discharged outside the plant premises. To comply with the condition a Continuous Effluent Monitoring System has been installed. Oil skimmer has been installed in the plant
ii.	The project proponent shall monitor regularly ground water	Ground water quality reports within the project site as well as

	quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers /sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.	outside the plant area have been attached as **Annexure-I**.
iii.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Sewage Treatment Plant has been installed at site for treatment of domestic effluent.
iv.	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277(E) 31st March, 2012 (applicable to IF/EAF) as amended from time to time.	At present the rolling mill water is efficiently recycled and reused for various purposes, including cooling. The water recycled process works as follows: 1. Water from the raw water tank is pumped to the cooling tower. 2. The cooled water is then circulated throughout the rolling mill. 3. After use, the water is collected in a settling tank, where dust particles and other impurities settle. 4. Once being settled in different chambers the clarified water is re-circulated back to the cooling tower, allowing for continuous reuse. Oil & Grease from the water also removed with the help of Oil Skimmer. This closed-loop system ensure zero water wastage and optimizes resource utilization."

v.	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.	Garland drains and collection pits have been constructed for stock piles to arrest surface run off.
vi.	Tyre washing facilities shall be provided at the entrance/exit of the plant gates.	Tyre washing facility has been installed.
IV.	**Noise monitoring and prevention**	
i.	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Monitoring of noise level has been conducted. Work zone noise monitoring is carried out regularly. Noise Level Monitoring results have been attached as **Annexure-I**.
V.	**Energy Conservation measures**	
i.	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.	Solar lights have been installed at plant. The company is in opinion to adopt other measures also to minimize energy consumption.
VI.	**Waste management**	
i.	Used refractories shall be recycled.	Complied. Used refractories are sold to recycler. Also used for road construction/land filling purpose.
ii.	Kitchen waste shall be composted or converted to biogas for further use.	Kitchen waste is being used in digestor to convert the same in biogas.
VII.	**Green Belt**	
i.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for	To control carbon emission, modern technology is being adopted in the existing project. GHG emission inventory & carbon

	reduction of the same including carbon sequestration including plantation.	sequestration have been prepared. Use of scrap, greenbelt development, use of waste heat from DRI kilns for power generation, use of LED light in the project is helpful in carbon sequestration.
ii.	Project proponent shall submit a study report on De-carbonization program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.	Project report covering carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies etc. and other mentioned points have been prepared and available with the Project Proponent.
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.	Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan have been prepared for existing operation and enclosed as **Annexure-VII**.
ii.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection	Heat stress analysis is conducted by Indicative Consultant India for the workmen who work in high temperature work zone. Report enclosed as

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<tr><td></td><td>Equipment (PPE) as per the norms of Factory Act.</td><td>Annexure-VIII.

Personal Protection Equipment (PPEs) is being provided as per the norms of Factory Act.</td></tr>
<tr><td>iii.</td><td>Occupational health surveillance of the workers shall be done on a regular basis and records maintained.</td><td>Occupational health surveillance of the workers is being conducted on a regular basis.</td></tr>
<tr><td>IX.</td><td colspan="2">Environment Management</td></tr>
<tr><td>i.</td><td>The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.</td><td>As mentioned in the time bound Action Plan of Public Hearing in the EIA/EMP report, the company has already initiated development of village Benipur in all respect.

As per EC dated 04.01.2023 an amount of Rs. 70.2 lakhs was allocated for development of nearby Benipur village. Till date, Rs. 96.5 Lakhs are already spent for this purpose, the details of which are presented below,
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<tr><td>ii.</td><td>The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and/or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.</td><td>Refer Annexure-II for environmental policy duly approved by the Board of Directors.</td></tr>
<tr><td>iii.</td><td>A separate Environmental Cell</td><td>The unit has developed</td></tr>
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	both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Environmental Cell with qualified man power.
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 at least in 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.	The advertisement after EC received is presented in **Annexure-III**.
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.	The copies of the environmental clearance is already submitted to the Heads of local bodies, Panchayats (refer **Annexure-IV**).
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.	The copy of Environmental Clearance is already uploaded in the Company website (www.adukiaindustries.com).
iv.	The project proponent shall monitor the criteria pollutants	Display board for display of pollutants concentration is already

	level namely; PM_{10}, $S0_2$, 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.	in place at main gate.
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.	Compliance of the stipulated environmental conditions is being submitted to MoEF&CC regularly.
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.	Refer **Annexure-V** for filled up Form-V for the financial year 2024-2025.
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.	• The date of final approval of the project is 13.01.2025. • The date of financial closure is 04.08.2023 • The date of Commencement of land development work is February 2023. • The date of start of production operation by the project is 10.05.2023
viii.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report,	Noted.

	commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	
ix.	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company website for the information to public / public domain. The PP shall also put the information on the leftover funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.	All these relevant information /documents are being uploaded in the compliance in the Company Website, www.adukiaindustries.com. Being Complied.
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.	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.	Being Complied.

List of Annexures:

- **Annexure-I:** Performance Test Report, Stack Emission, Ambient Air Quality, Fugitive Emission, Water & Noise Monitoring Reports.
- **Annexure-II:** Environmental Policy duly approve by the Board of Directors
- **Annexure-III:** Advertisement published after accorded Environmental Clearance (EC)
- **Annexure-IV:** Receipt copy after submission of accorded Environmental Clearance (EC) to Local Panchayat
- **Annexure-V:** Filler up Form-V for the financial year 2024-2025.
- **Anexure-VI:** Continuous emission data for CAAQMS and OCEMS
- **Anexure-VII:** Hazard Identification And Risk Assessment (HIRA)
- **Anexure-VIII:** Heat stress analysis Report for the workmen who work in high temperature work zone

ANNEXURE-I

Stack, Ambient Air Quality, Fugitive Emission, Water & Noise Monitoring Report (April,2025 to September,2025)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

- **Laboratory Accrediated by NABL, as per ISO/IEC 17025:2017**
- **Laboratory Recognized by WBPCB**
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CIN NO : U74210WB1989PTC047403

ANALYSIS REPORT OF FLUE GAS

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal**
Date of Sampling	**14.05.2025**
Time of Sampling	**10:40 hrs**

A.	**General Information about stack**			
1	Stack connected to		Induction Furnaces	
2	Emission due to		Process Emission	
3	Material of Construction of Stack		M.S	
4	Shape of Stack		Circular	
5	Whether Stack is provided with Permanent Platform & Ladders		Permanent	
6	Capacity		(3x15 T)	
B.	**Physical Characteristics of Stack**			
1	Height of the stack			
	(a) from Ground Level (m)		32.0	
	(b) from Roof Level (m)		-	
2	Diameter of the stack			
	(a) at bottom (m)		-	
	(b) at top (m)		-	
3	Diameter of the stack at sampling point (m)		2.0	
4	Height of the sampling point from GL (m)		21.0	
C.	**Analysis/Characteristics of Stack**			
1	Fuel used		Electricity	
2	Fuel consumption		-	
D	**Field Study of Stack(s)**	**Reference Method**	**Concentration**	**Standard**
1	Temperature of emission (°C)	IS 11255 (Part 1)	119	-
2	Barometric Pressure (mmHg)	-	751	-
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	10.53	-
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	88282	-
5	Concentration of CO (% V/V)	IS 13270	-	-
6	Concentration of CO_2 (% V/V)	IS 13270	2.2	-
E	**Laboratory Test Result(s)**			-
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	28	30
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	-	-
E	**Pollution Control Device**			
	Details of pollution control device attached with the stack	Bag Filter		

Note : - - Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence or Litigation
- The Physical information about stack details (viz. height, diameter etc.) were provided by respective Industry/Party

For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANALYSIS REPORT OF FLUE GAS

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal**
Date of Sampling	**14.05.2025**
Time of Sampling	**14:00 hrs**

A.	**General Information about stack**			
1	Stack connected to		**DRI Kiln**	
2	Emission due to		Process Emission	
3	Material of Construction of Stack		M.S	
4	Shape of Stack		Circular	
5	Whether Stack is provided with Permanent Platform & Ladders		Permanent	
6	Capacity		**1 X 400 TPD DRI Kiln**	
B.	**Physical Characteristics of Stack**			
1	Height of the stack			
	(a) from Ground Level (m)		72.0	
	(b) from Roof Level (m)		-	
2	Diameter of the stack			
	(a) at bottom (m)		-	
	(b) at top (m)		-	
3	Diameter of the stack at sampling point (m)		2.31	
4	Height of the sampling point from GL (m)		-	
C.	**Analysis/Characteristics of Stack**			
1	Fuel used		-	
2	Fuel consumption		-	
D	**Field Study of Stack(s)**	**Reference Method**	**Concentration**	**Standard**
1	Temperature of emission (°C)	IS 11255 (Part 1)	151	-
2	Barometric Pressure (mmHg)	-	751	-
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	9.85	-
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	101868	-
5	Concentration of CO (% V/V)	IS 13270	-	-
6	Concentration of CO_2 (% V/V)	IS 13270	7.9	-
E	**Laboratory Test Result(s)**			-
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	29	30
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	-	-
E	**Pollution Control Device**			
	Details of pollution control device attached with the stack	ESP		

Note : - - Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence or Litigation
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For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANALYSIS REPORT OF FLUE GAS

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal**
Date of Sampling	**20.09.2025**
Time of Sampling	**10:30 hrs**

A.	**General Information about stack**			
1	Stack connected to		Induction Furnaces	
2	Emission due to		Process Emission	
3	Material of Construction of Stack		M.S	
4	Shape of Stack		Circular	
5	Whether Stack is provided with Permanent Platform & Ladders		Permanent	
6	Capacity		(3x15 T)	
B.	**Physical Characteristics of Stack**			
1	Height of the stack			
	(a) from Ground Level (m)		32.0	
	(b) from Roof Level (m)		-	
2	Diameter of the stack			
	(a) at bottom (m)		-	
	(b) at top (m)		-	
3	Diameter of the stack at sampling point (m)		2.0	
4	Height of the sampling point from GL (m)		21.0	
C.	**Analysis/Characteristics of Stack**			
1	Fuel used		Electricity	
2	Fuel consumption		-	
D	**Field Study of Stack(s)**	**Reference Method**	**Concentration**	**Standard**
1	Temperature of emission (°C)	IS 11255 (Part 1)	109	-
2	Barometric Pressure (mmHg)	-	754	-
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	9.73	-
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	84011	-
5	Concentration of CO (% V/V)	IS 13270	-	-
6	Concentration of CO_2 (% V/V)	IS 13270	2.3	-
E	**Laboratory Test Result(s)**			-
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	22	30
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	-	-
E	**Pollution Control Device**			
	Details of pollution control device attached with the stack	Bag Filter		

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(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANALYSIS REPORT OF FLUE GAS

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal**
Date of Sampling	**20.09.2025**
Time of Sampling	**14:00 hrs**

A.	**General Information about stack**			
1	Stack connected to		**DRI Kiln**	
2	Emission due to		Process Emission	
3	Material of Construction of Stack		M.S	
4	Shape of Stack		Circular	
5	Whether Stack is provided with Permanent Platform & Ladders		Permanent	
6	Capacity		**1 X 400 TPD DRI Kiln**	
B.	**Physical Characteristics of Stack**			
1	Height of the stack			
	(a) from Ground Level (m)		72.0	
	(b) from Roof Level (m)		-	
2	Diameter of the stack			
	(a) at bottom (m)		-	
	(b) at top (m)		-	
3	Diameter of the stack at sampling point (m)		2.31	
4	Height of the sampling point from GL (m)		-	
C.	**Analysis/Characteristics of Stack**			
1	Fuel used		-	
2	Fuel consumption		-	
D	**Field Study of Stack(s)**	**Reference Method**	**Concentration**	**Standard**
1	Temperature of emission (°C)	IS 11255 (Part 1)	123	-
2	Barometric Pressure (mmHg)	-	754	-
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	9.8	-
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	108839	-
5	Concentration of CO (% V/V)	IS 13270	-	-
6	Concentration of CO_2 (% V/V)	IS 13270	8.2	-
E	**Laboratory Test Result(s)**			-
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	25	30
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	-	-
E	**Pollution Control Device**			
	Details of pollution control device attached with the stack	ESP		

Note : - - Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence or Litigation
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For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

AMBIENT AIR QUALITY MONITORING RESULTS

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal.**

TABLE: - 1
Onsite Ambient Air Quality Monitoring Results
Location: Near Main Gate
(Period: May, 2025)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
05.05.2025	70	34	9	26
08.05.2025	88	43	6	21
12.05.2025	67	31	8	24
15.05.2025	79	37	11	19
19.05.2025	67	32	7	23
22.05.2025	65	29	10	30
26.05.2025	75	35	9	20
29.05.2025	80	38	7	23

TABLE: - 2
Onsite Ambient Air Quality Monitoring Results
Location: Village Benipur
(Period: May, 2025)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
05.05.2025	60	28	9	17
08.05.2025	78	37	12	15
12.05.2025	69	30	10	19
15.05.2025	61	28	8	27
19.05.2025	60	27	7	24
22.05.2025	63	30	11	20
26.05.2025	68	32	13	15
29.05.2025	66	32	9	18

For ENVIROTECH EAST (P) LTD.

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CIN NO : U74210WB1989PTC047403

TABLE: - 3
Onsite Ambient Air Quality Monitoring Results
Location: Village Sarbari
(Period: May, 2025)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
05.05.2025	58	25	14	19
08.05.2025	75	36	11	23
12.05.2025	64	30	8	14
15.05.2025	61	27	12	20
19.05.2025	65	31	10	25
22.05.2025	60	28	9	21
26.05.2025	70	32	8	18
29.05.2025	63	29	10	13

TABLE: - 4
Onsite Ambient Air Quality Monitoring Results
Location: Village Boropukur
(Period: May, 2025)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
05.05.2025	66	31	8	24
08.05.2025	73	32	10	21
12.05.2025	71	35	5	26
15.05.2025	63	30	9	31
19.05.2025	63	28	7	23
22.05.2025	84	41	5	27
26.05.2025	73	35	10	21
29.05.2025	62	27	6	25

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

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CIN NO : U74210WB1989PTC047403

AMBIENT AIR QUALITY MONITORING RESULTS

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal.**

TABLE: - 5
Onsite Ambient Air Quality Monitoring Results
Location: Near Main Gate
(Period: August, 2025)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
01.09.2025	68	31	9	23
04.09.2025	74	35	10	15
08.09.2025	64	30	7	21
11.09.2025	59	27	9	18
15.09.2025	58	23	7	18
18.09.2025	62	29	8	22
22.09.2025	70	34	13	16
24.09.2025	74	36	11	29

TABLE: - 6
Onsite Ambient Air Quality Monitoring Results
Location: Village Benipur
(Period: August, 2025)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
01.09.2025	58	27	6	14
04.09.2025	67	31	5	18
08.09.2025	55	25	7	12
11.09.2025	61	29	6	15
15.09.2025	53	23	5	13
18.09.2025	48	17	6	16
22.09.2025	52	19	7	20
24.09.2025	67	31	5	23

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CIN NO : U74210WB1989PTC047403

TABLE: - 7
Onsite Ambient Air Quality Monitoring Results
Location: Village Sarbari
(Period: August, 2025)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
02.09.2025	70	34	9	17
05.09.2025	65	30	6	21
09.09.2025	57	27	8	15
12.09.2025	51	22	7	13
16.09.2025	59	27	6	18
19.09.2025	50	18	9	14
23.09.2025	63	30	6	20
25.09.2025	73	35	7	26

TABLE: - 8
Onsite Ambient Air Quality Monitoring Results
Location: Village Boropukur
(Period: August, 2025)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
02.09.2025	52	20	6	20
05.09.2025	66	30	7	17
09.09.2025	64	29	5	22
12.09.2025	55	23	7	19
16.09.2025	54	23	4	17
19.09.2025	60	27	6	24
23.09.2025	66	30	7	18
25.09.2025	57	26	4	23

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CIN NO : U74210WB1989PTC047403

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal**

FUGITIVE EMISSION MONITORING RESULTS

Sl. No.	Location Name	Date of Monitoring	Pollutants Concentration		
			PM_{10} ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
1	Near Raw Materials Yard	07.05.2025	205	15	34

Sl. No.	Location Name	Date of Monitoring	Pollutants Concentration		
			PM_{10} ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
2	Near ADM Building	07.05.2025	103	8	31

Sl. No.	Location Name	Date of Monitoring	Pollutants Concentration		
			PM_{10} ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
3	Near Induction Furnaces	07.05.2025	242	19	38

Note : All above Meteorological conditions prevails at the time of monitoring

For ENVIROTECH EAST (P) LTD.

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CIN NO : U74210WB1989PTC047403

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal**

FUGITIVE EMISSION MONITORING RESULTS

Sl. No.	Location Name	Date of Monitoring	Pollutants Concentration		
			PM_{10} ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
1	Near Raw Materials Yard	12.08.2025	135	14	30

Sl. No.	Location Name	Date of Monitoring	Pollutants Concentration		
			PM_{10} ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
2	Near ADM Building	12.08.2025	95	5	23

Sl. No.	Location Name	Date of Monitoring	Pollutants Concentration		
			PM_{10} ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
3	Near Induction Furnaces	12.08.2025	166	17	32

Note : All above Meteorological conditions prevails at the time of monitoring

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal**

Equivalent Noise Level in the Study Area, in dB(A)
Month: May, 2025

SL. NO.	Location	DAY TIME	NIGHT TIME
		Leq- dB (A)	Leq- dB (A)
1	Mahukura High School	47.5	37.1
2	Benipur Village	53.1	42.9
3	Panchkot Mahavidyalaya	48.4	36.8
4	Manpura Shiv Mandir	46.7	38.2
5	Boropukur Village	53.4	44.0
6	Kanai dhawra primary school	48.3	37.4

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal.**

Equivalent Noise Level in the Study Area, in dB(A)
Month: August, 2025

SL.NO.	Location	DAY TIME	NIGHT TIME
		Leq- dB (A)	Leq- dB (A)
1	Mahukura High School	48.6	38.6
2	Benipur Village	54.2	44.1
3	Panchkot Mahavidyalaya	49.0	38.4
4	Manpura Shiv Mandir	47.5	37.7
5	Boropukur Village	54.0	43.7
6	Kanai dhawra primary school	46.9	38.4

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

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☎ – + 91 33 2443 8127/8128 ; + 91 33 4063 5011; email: eeplkol@gmail.com; eeplkol2@gmail.com
CIN NO : U74210WB1989PTC047403

GROUND WATER ANALYSIS RESULTS

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal.**

Code	Sampling Location	Sampling Date
GW1	Benipur (Tubewell water)	**May, 2025**
GW2	Heddi (Tubewell water)	
GW3	Boropukur (Tubewell water)	
GW4	Ranipur (Tubewell water)	

ANALYSIS RESULTS

Sl. No.	Parameter	Unit	SAMPLE CODE			
			GW1	GW2	GW3	GW4
1	Colour	-	Colourless	Colourless	Colourless	Colourless
2	Odour	-	Unobj.	Unobj.	Unobj.	Unobj.
3	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	4	2	3	4
5	pH	-	7.2	6.9	7.3	6.8
6	Conductivity	µmhos/cm	902	842	996	878
7	Total Hardness (as $CaCO_3$)	mg/L	330	282	360	320
8	Iron (as Fe)	mg/L	0.58	0.62	0.48	0.66
9	Chloride (as Cl)	mg/L	130	120	140	110
10	Residual Free Chlorine	mg/L	Nil	Nil	Nil	Nil
11	Fluoride (as F)	mg/L	0.42	0.48	0.52	0.64
12	Total Dissolved Solids	mg/L	523	480	578	500
13	Calcium (as Ca)	mg/L	91	80	103	95
14	Magnessium (as Mg)	mg/L	25	20	25	20
15	Copper (as Cu)	mg/L	<0.05	<0.05	<0.05	<0.05
16	Manganese (as Mn)	mg/L	<0.05	<0.05	<0.05	<0.05
17	Sulphate (as SO_4)	mg/L	52	47	56	44
18	Nitrate (as NO_3)	mg/L	6	5.1	6.0	5.1
19	Phenol Compounds (as C_6H_5OH)	mg/L	<0.001	<0.001	<0.001	<0.001
20	Mercury (as Hg)	mg/L	<0.001	<0.001	<0.001	<0.001
21	Cadmium (as Cd)	mg/L	<0.01	<0.01	<0.01	<0.01
22	Arsenic (as As)	mg/L	<0.002	<0.002	<0.002	<0.002
23	Cyanide (as CN)	mg/L	<0.05	<0.05	<0.05	<0.05
24	Lead (as Pb)	mg/L	<0.05	<0.05	<0.05	<0.05
25	Zinc (as Zn)	mg/L	0.48	0.51	0.56	0.47
26	Hexavalent Chromium (as Cr^{+6})	mg/L	<0.05	<0.05	<0.05	<0.05
27	Boron (as B)	mg/L	<0.02	<0.02	<0.02	<0.02
28	Total Coliforms	MPN/100 ml	Absent	Absent	Absent	Absent
29	Alkalinity (as $CaCO_3$)	mg/L	260	223	275	266

N.B.- N.D. - Not Detected

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

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CIN NO : U74210WB1989PTC047403

SURFACE WATER ANALYSIS RESULTS

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal.**

Code	Sampling Location	Sampling Date
SW1	Pond Water (Near Benipur Village)	**May, 2025**
SW2	Pond water (Near Boropukur Village)	
SW3	Pond water (Nadiha Village)	
SW4	Pond Water (Near Parbelia Village)	

Sl.No.	Parameter	Unit	CODES			
			SW1	SW2	SW3	SW4
1	Colour		Colourless	Colourless	Colourless	Colourless
2	Odour		Unobj.	Unobj.	Unobj.	Unobj.
3	pH		7.0	7.4	7.1	7.3
4	Conductivity	µmhos/cm	510	558	620	705
5	Dissolved Oxygen	mg/L	6.2	6.5	6.1	6.5
6	Biochemical Oxygen Demand (3 days at 270C)	mg/L	6	8	10	13
7	Chemical Oxygen Demand	mg/L	44	60	56	62
8	Total Coliforms	MPN/100	1210	1140	1085	1250
9	Total Dissolved Solids	mg/L	292	320	354	395
10	Oil & Grease	mg/L	<1.4	<1.4	<1.4	<1.4
11	Cyanide (as CN)	mg/L	<0.05	<0.05	<0.05	<0.05
12	Phenol (as C_6H_5OH)	mg/L	<0.001	<0.001	<0.001	<0.001
13	Total Hardness (as $CaCO_3$)	mg/L	192	195	208	236
14	Chloride (as Cl)	mg/L	55	57	70	95
15	Sulphate (as SO_4)	mg/L	35	38	46	52
16	Nitrate (as NO_3)	mg/L	3.5	3.9	5.1	4.1
17	Fluride (as F)	mg/L	0.23	0.58	0.46	0.32
18	Calcium (as Ca)	mg/L	62	57	66	78
19	Magnessium (as Mg)	mg/L	9	13	11	10
20	Copper (as Cu)	mg/L	<0.05	<0.05	<0.05	<0.05
21	Iron (as Fe)	mg/L	0.47	0.52	0.44	0.58
22	Manganese (as Mn)	mg/L	<0.05	<0.05	<0.05	<0.05
23	Zinc (as Zn)	mg/L	0.23	<0.05	0.32	<0.05
24	Boron (as B)	mg/L	<0.02	<0.02	<0.02	<0.02
25	Arsenic (as As)	mg/L	<0.002	<0.002	<0.002	<0.002
26	Mercury (as Hg)	mg/L	<0.001	<0.001	<0.001	<0.001
27	Lead (as Pb)	mg/L	<0.05	<0.05	<0.05	<0.05
28	Cadmium (as Cd)	mg/L	<0.01	<0.01	<0.01	<0.01
29	Hexavalent Chromium (as Cr^{+6})	mg/L	<0.05	<0.05	<0.05	<0.05
30	Alkalinity	mg/L	143	196	185	170
31	Sodium Absorbance Ratio	-	6.0	5.1	6.4	6.8
32	Free Ammonia	mg/L	BDL	BDL	BDL	BDL

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

GROUND WATER ANALYSIS RESULTS

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal.**

Code	Sampling Location	Sampling Date
GW1	Benipur (Tubewell water)	**August, 2025**
GW2	Heddi (Tubewell water)	
GW3	Boropukur (Tubewell water)	
GW4	Ranipur (Tubewell water)	

ANALYSIS RESULTS

Sl. No.	Parameter	Unit	SAMPLE CODE			
			GW1	GW2	GW3	GW4
1	Colour	-	Colourless	Colourless	Colourless	Colourless
2	Odour	-	Unobj.	Unobj.	Unobj.	Unobj.
3	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	3	2	5	3
5	pH	-	6.7	6.9	7.1	6.8
6	Conductivity	µmhos/cm	682	575	700	590
7	Total Hardness (as $CaCO_3$)	mg/L	246	228	274	236
8	Iron (as Fe)	mg/L	0.48	0.43	0.35	0.42
9	Chloride (as Cl)	mg/L	92	67	95	66
10	Residual Free Chlorine	mg/L	Nil	Nil	Nil	Nil
11	Fluride (as F)	mg/L	0.32	0.37	0.55	0.48
12	Total Dissolved Solids	mg/L	396	322	399	342
13	Calcium (as Ca)	mg/L	72	78	80	73
14	Magnessium (as Mg)	mg/L	16	8	18	13
15	Copper (as Cu)	mg/L	<0.05	<0.05	<0.05	<0.05
16	Manganese (as Mn)	mg/L	<0.05	<0.05	<0.05	<0.05
17	Sulphate (as SO_4)	mg/L	42	31	47	43
18	Nitrate (as NO_3)	mg/L	3.8	3.6	4.2	3.5
19	Phenol Compounds (as C_6H_5OH)	mg/L	<0.001	<0.001	<0.001	<0.001
20	Mercury (as Hg)	mg/L	<0.001	<0.001	<0.001	<0.001
21	Cadmium (as Cd)	mg/L	<0.01	<0.01	<0.01	<0.01
22	Arsenic (as As)	mg/L	<0.002	<0.002	<0.002	<0.002
23	Cyanide (as CN)	mg/L	<0.05	<0.05	<0.05	<0.05
24	Lead (as Pb)	mg/L	<0.05	<0.05	<0.05	<0.05
25	Zinc (as Zn)	mg/L	0.22	0.24	0.28	0.32
26	Hexavalent Chromium (as Cr^{+6})	mg/L	<0.05	<0.05	<0.05	<0.05
27	Boron (as B)	mg/L	<0.02	<0.02	<0.02	<0.02
28	Total Coliforms	MPN/100ml	Absent	Absent	Absent	Absent
29	Alkalinity (as $CaCO_3$)	mg/L	199	166	190	171

N.B.- N.D. - Not Detected

For ENVIROTECH EAST (P) LTD.

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(Authorized Signatory)

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SURFACE WATER ANALYSIS RESULTS

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	**Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal.**

Code	Sampling Location	Sampling Date
SW1	Pond Water (Near Benipur Village)	**August, 2025**
SW2	Pond water (Near Boropukur Village)	
SW3	Pond water (Nadiha Village)	
SW4	Pond Water (Near Parbelia Village)	

Sl.No.	Parameter	Unit	CODES			
			SW1	SW2	SW3	SW4
1	Colour		Colourless	Colourless	Colourless	Colourless
2	Odour		Unobj.	Unobj.	Unobj.	Unobj.
3	pH		6.9	7.2	6.7	6.6
4	Conductivity	µmhos/cm	449	488	512	566
5	Dissolved Oxygen	mg/L	6.5	6.6	6.2	6.4
6	Biochemical Oxygen Demand (3 days at 270C)	mg/L	5	8	6	7
7	Chemical Oxygen Demand	mg/L	38	48	54	46
8	Total Coliforms	MPN/100	920	952	1048	886
9	Total Dissolved Solids	mg/L	256	283	292	328
10	Oil & Grease	mg/L	<1.4	<1.4	<1.4	<1.4
11	Cyanide (as CN)	mg/L	<0.05	<0.05	<0.05	<0.05
12	Phenol (as C_6H_5OH)	mg/L	<0.001	<0.001	<0.001	<0.001
13	Total Hardness (as $CaCO_3$)	mg/L	176	188	195	206
14	Chloride (as Cl)	mg/L	55	50	56	67
15	Sulphate (as SO_4)	mg/L	36	44	40	38
16	Nitrate (as NO_3)	mg/L	3.2	3.9	5.4	4.1
17	Fluride (as F)	mg/L	0.32	0.37	0.45	0.44
18	Calcium (as Ca)	mg/L	54	62	60	66
19	Magnessium (as Mg)	mg/L	10	8	11	10
20	Copper (as Cu)	mg/L	<0.05	<0.05	<0.05	<0.05
21	Iron (as Fe)	mg/L	0.48	0.53	0.55	0.46
22	Manganese (as Mn)	mg/L	<0.05	<0.05	<0.05	<0.05
23	Zinc (as Zn)	mg/L	<0.05	<0.05	<0.05	<0.05
24	Boron (as B)	mg/L	<0.02	<0.02	<0.02	<0.02
25	Arsenic (as As)	mg/L	<0.002	<0.002	<0.002	<0.002
26	Mercury (as Hg)	mg/L	<0.001	<0.001	<0.001	<0.001
27	Lead (as Pb)	mg/L	<0.05	<0.05	<0.05	<0.05
28	Cadmium (as Cd)	mg/L	<0.01	<0.01	<0.01	<0.01
29	Hexavalent Chromium (as Cr^{+6})	mg/L	<0.05	<0.05	<0.05	<0.05
30	Alkalinity	mg/L	110	127	141	170
31	Sodium Absorbance Ratio	-	4.4	5.1	4.9	5.4
32	Free Ammonia	mg/L	BDL	BDL	BDL	BDL

For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

Test Report No.:2025-26/EEPL/MON/1683 Date: - 26.09.2025

PERFORMANCE REPORT OF AIR POLLUTION CONTROL DEVICE

Name of the client	**M/s AIC Iron Industries Pvt. Ltd.**
Address	Village: Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal.
Study Period	20.09.2025

ANALYSIS REPORT

Sl. No.	Stack	Pollution Control Device Attached	Particulate Matter (mg/Nm^3)	Efficiency (%)
1.	Induction Furnace (Inlet, 3 nos. running)	Bag Filter	776	97.16
	Induction Furnace (Outlet, 3 nos. running)		22	
2.	Waste Heat Recover Boiler (Inlet)	ESP	1865	98.93
	Waste Heat Recover Boiler (Outlet)		20	

Note: Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence or Litigation

For ENVIROTECH EAST PVT. LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

Test Report No.:2025-26/EEPL/MON/ 1824 Date: - 08.10.2025

AMBIENT AIR QUALITY MONITORING REPORT

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal
Average Temperature (°C)	30
Weather Condition	Partial Cloudy
Rainfall (mm)	Nil
Avg. Relative Humidity (%)	72
Barometric Pressure (mmHg)	750

AMBIENT AIR QUALITY MONITORING RESULT

SL. No.	Location	Date of Monitoring	Reference Method	Parameter	Unit	Result	Standard**
1	Near Main Gate	24.09.2025	IS 5182 (Part 23) : 2006	PM_{10}	$\mu g/m^3$	74	100
			IS 5182 (Part 24) : 2019	$PM_{2.5}$	$\mu g/m^3$	36	60
			IS 5182 (Part 2) : 2001	$S0_2$	$\mu g/m^3$	11	80
			IS 5182 (Part 6) : 2006	$N0_2$	$\mu g/m^3$	29	80
			IS 5182 (Part 10) : 1999	CO	mg/m	0.9	2
			IS 5182 (Part 25) : 2018	NH_3	$\mu g/m^3$	<20	400
			IS 5182 (Part 9) : 1974	Ozone (O_3)	$\mu g/m^3$	<20	100 (8 hr.)
			NAAQS Manual_CPCB_V-I	Lead	$\mu g/m^3$	0.08	1.0
			NAAQS Manual_CPCB_V-I	Arsenic	ng/m^3	<0.5	6 (Annual*)
			NAAQS Manual_CPCB_V-I	Nickel	ng/m^3	<18	20 (Annual*)
			IS 5182 (Part 11) : 2006	Benzene	$\mu g/m^3$	<0.8	5 (Annual*)
			IS 5182 (Part 12) : 2004	Benzo (a) Pyrene	ng/m^3	<0.8	1 (Annual*)

Note: All above Meteorological conditions prevails at the time of monitoring.

****National AAQ Standards, CPCB**

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

For ENVIROTECH EAST (P) LTD.

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CIN NO : U74210WB1989PTC047403

Test Report No.:2025-26/EEPL/MON/ 1825 Date: - 08.10.2025

AMBIENT AIR QUALITY MONITORING REPORT

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal
Average Temperature (°C)	30
Weather Condition	Partial Cloudy
Rainfall (mm)	Nil
Avg. Relative Humidity (%)	72
Barometric Pressure (mmHg)	750

AMBIENT AIR QUALITY MONITORING RESULT

SL. No.	Location	Date of Monitoring	Reference Method	Parameter	Unit	Result	Standard**
2	Village Benipur	24.09.2025	IS 5182 (Part 23) : 2006	PM_{10}	$\mu g/m^3$	67	100
			IS 5182 (Part 24) : 2019	$PM_{2.5}$	$\mu g/m^3$	31	60
			IS 5182 (Part 2) : 2001	SO_2	$\mu g/m^3$	5	80
			IS 5182 (Part 6) : 2006	NO_2	$\mu g/m^3$	23	80
			IS 5182 (Part 10) : 1999	CO	mg/m	0.6	2
			IS 5182 (Part 25) : 2018	NH_3	$\mu g/m^3$	<20	400
			IS 5182 (Part 9) : 1974	Ozone (O_3)	$\mu g/m^3$	<20	100 (8 hr.)
			NAAQS Manual_CPCB_V-I	Lead	$\mu g/m^3$	<0.05	1.0
			NAAQS Manual_CPCB_V-I	Arsenic	ng/m^3	<0.5	6 (Annual*)
			NAAQS Manual_CPCB_V-I	Nickel	ng/m^3	<18	20 (Annual*)
			IS 5182 (Part 11) : 2006	Benzene	$\mu g/m^3$	<0.8	5 (Annual*)
			IS 5182 (Part 12) : 2004	Benzo (a) Pyrene	ng/m^3	<0.8	1 (Annual*)

Note: All above Meteorological conditions prevails at the time of monitoring.

****National AAQ Standards, CPCB**

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CIN NO : U74210WB1989PTC047403

Test Report No.:2025-26/EEPL/MON/ 1826 Date: - 08.10.2025

AMBIENT AIR QUALITY MONITORING REPORT

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal
Average Temperature (°C)	32
Weather Condition	Partial Cloudy
Rainfall (mm)	Nil
Avg. Relative Humidity (%)	70
Barometric Pressure (mmHg)	749

AMBIENT AIR QUALITY MONITORING RESULT

SL. No.	Location	Date of Monitoring	Reference Method	Parameter	Unit	Result	Standard**
3	Village Sarbari	25.09.2025	IS 5182 (Part 23) : 2006	PM_{10}	$\mu g/m^3$	73	100
			IS 5182 (Part 24) : 2019	$PM_{2.5}$	$\mu g/m^3$	35	60
			IS 5182 (Part 2) : 2001	SO_2	$\mu g/m^3$	7	80
			IS 5182 (Part 6) : 2006	NO_2	$\mu g/m^3$	26	80
			IS 5182 (Part 10) : 1999	CO	mg/m	0.7	2
			IS 5182 (Part 25) : 2018	NH_3	$\mu g/m^3$	<20	400
			IS 5182 (Part 9) : 1974	Ozone (O_3)	$\mu g/m^3$	<20	100 (8 hr.)
			NAAQS Manual_CPCB_V-I	Lead	$\mu g/m^3$	<0.05	1.0
			NAAQS Manual_CPCB_V-I	Arsenic	ng/m^3	<0.5	6 (Annual*)
			NAAQS Manual_CPCB_V-I	Nickel	ng/m^3	<18	20 (Annual*)
			IS 5182 (Part 11) : 2006	Benzene	$\mu g/m^3$	<0.8	5 (Annual*)
			IS 5182 (Part 12) : 2004	Benzo (a) Pyrene	ng/m^3	<0.8	1 (Annual*)

Note: All above Meteorological conditions prevails at the time of monitoring.

****National AAQ Standards, CPCB**

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

- Laboratory Accredited by NABL, as per ISO/IEC 17025 :2017
- Laboratory Recognized by WBPCB
- Accredited EIA Consultant by QCI-NABET

100, Kalikapur, Madurdaha, Kolkata – 700 107, West Bengal, India

☎ – + 91 33 2443 8127/8128 ; + 91 33 4063 5011; email: eeplkol@gmail.com; eeplkol2@gmail.com

CIN NO : U74210WB1989PTC047403

Test Report No.:2025-26/EEPL/MON/ 1827 Date: - 08.10.2025

AMBIENT AIR QUALITY MONITORING REPORT

Name of Industry	**M/s. AIC Iron Industries Pvt. Ltd.**
Address	Village Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal
Average Temperature (°C)	32
Weather Condition	Partial Cloudy
Rainfall (mm)	Nil
Avg. Relative Humidity (%)	70
Barometric Pressure (mmHg)	749

AMBIENT AIR QUALITY MONITORING RESULT

SL. No.	Location	Date of Monitoring	Reference Method	Parameter	Unit	Result	Standard**
4	Village Boropukur	25.09.2025	IS 5182 (Part 23) : 2006	PM_{10}	$\mu g/m^3$	57	100
			IS 5182 (Part 24) : 2019	$PM_{2.5}$	$\mu g/m^3$	26	60
			IS 5182 (Part 2) : 2001	SO_2	$\mu g/m^3$	4	80
			IS 5182 (Part 6) : 2006	NO_2	$\mu g/m^3$	23	80
			IS 5182 (Part 10) : 1999	CO	mg/m	0.5	2
			IS 5182 (Part 25) : 2018	NH_3	$\mu g/m^3$	<20	400
			IS 5182 (Part 9) : 1974	Ozone (O_3)	$\mu g/m^3$	<20	100 (8 hr.)
			NAAQS Manual_CPCB_V-I	Lead	$\mu g/m^3$	<0.05	1.0
			NAAQS Manual_CPCB_V-I	Arsenic	ng/m^3	<0.5	6 (Annual*)
			NAAQS Manual_CPCB_V-I	Nickel	ng/m^3	<18	20 (Annual*)
			IS 5182 (Part 11) : 2006	Benzene	$\mu g/m^3$	<0.8	5 (Annual*)
			IS 5182 (Part 12) : 2004	Benzo (a) Pyrene	ng/m^3	<0.8	1 (Annual*)

Note: All above Meteorological conditions prevails at the time of monitoring.

****National AAQ Standards, CPCB**

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

Envirotech East Pvt. Limited

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☎ – + 91 33 2443 8127/8128 ; + 91 33 4063 5011; email: eeplkol@gmail.com; eeplkol2@gmail.com
CIN NO : U74210WB1989PTC047403

Test Report No.:2025-26/EEPL/MON/ 1308 Date: - 04.08.2025

AMBIENT AIR QUALITY MONITORING REPORT

Name of Industry	**M/s AIC Iron Industries Pvt. Ltd.**
Address	Village: Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal.
Monitoring Location	Village: Boropukur

AMBIENT AIR QUALITY MONITORING RESULT

Sl. No.	Date of Monitoring	Pollutants Concentration			
		PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
1	12.07.2025	57	27	8	17
2	16.07.2025	69	30	8	20
3	19.07.2025	60	31	6	18
4	24.07.2025	63	28	7	23
Standards **		**100**	**60**	**80**	**80**

****National AAQ Standards, CPCB**

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

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CIN NO : U74210WB1989PTC047403

Test Report No.:2025-26/EEPL/MON/ 1309 Date: - 04.08.2025

NOISE LEVEL MONITORING

Name of Industry	**M/s AIC Iron Industries Pvt. Ltd.**
Address	Village: Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal.
Monitoring Period	July, 2025

Sl. No.	Location Name	Equivalent Noise Level	
		(Day Time) Leq dB (A)	(Night Time) Leq dB (A)
1	Near DRI Kiln of Sponge Iron Plant	73.2	68.1
2	Near Induction Furnaces of SMS	71.4	66.5
3	Rolling Mill shade (Entrance Point)	73.9	67.2
4	Near 10 MW capacity WHRB Boiler	74.2	68.3
5	Near Raw Material Yards	69.8	62.5
6	Near ADM Building	61.3	47.9
7	Near Main Gate of Plant (inside)	59.7	51.8
8	Back side of Plant boundary (inside)	60.5	54.2

Standard [THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000]

Code / Category	Leq dB (A) Day Time	Leq dB (A) Night Time	Note :
A/Industrial	75	70	Day Time : 0600 hr - 2200 hr
B/Commercial	65	55	Night Time : 2200 hr - 0600 hr
C/Residential	55	45	
D/Ecological Sensitive	50	40	

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

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CIN NO : U74210WB1989PTC047403

Test Report No.:2025-26/EEPL/MON/ 1310 Date: - 04.08.2025

EFFLUENT WATER ANALYSIS REPORT

Name of the Client (as written on the sampling bottle)	**M/s AIC Iron Industries Pvt. Ltd.**
Address (as written on the sampling bottle)	Village: Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal.
Date of Sampling (as written on the sampling bottle)	17.07.2025
Sampling Location (as written on the sampling bottle)	**Before Treatment**
Sample supplied by	M/s AIC Iron Industries Pvt. Ltd.

TEST RESULT(S) :

S. No.	Parameters	Unit	Reference Test Method	Concentration	Standard*
1	pH	-	4500-H^+ B., APHA 24th edition	6.8	**5.5 - 9.0**
2	Total Suspended Solids	mg/L	2540 D, APHA 24th edition	124	**100**
3	Oil & Grease	mg/L	5520 B, APHA 24th edition	13	**10**
4	Chemical Oxygen Demand (COD)	mg/L	IS 3025(Part 58):2006, Reaffirmed 2023	181	**250**
5	Bio-chemical Oxygen Demand (BOD)	mg/L	IS 3025(Part 44):1993, Reaffirmed 2023	12	**30**

* General standards for discharges of Environmental Pollutants Part A, Schedule VI, Rule 3A of '*The Environment (Protection) Rules, 1986*' [for Inland Surface Water]

Contents of this report are meant for your guidance and should not be used for advertisement, evidence or litigation.

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

- **Laboratory Accredited by NABL, as per ISO/IEC 17025 :2017**
- **Laboratory Recognized by WBPCB**
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☎ – + 91 33 2443 8127/8128 ; + 91 33 4063 5011; email: eeplkol@gmail.com; eeplkol2@gmail.com
CIN NO : U74210WB1989PTC047403

Test Report No.:2025-26/EEPL/MON/ 1311 Date: - 04.08.2025

EFFLUENT WATER ANALYSIS REPORT

Name of the Client (as written on the sampling bottle)	**M/s AIC Iron Industries Pvt. Ltd.**
Address (as written on the sampling bottle)	Village: Benipur, PO: Saltore, PS: Neturia, District Purulia, West Bengal.
Date of Sampling (as written on the sampling bottle)	17.07.2025
Sampling Location (as written on the sampling bottle)	**After Treatment (Treated Waste Water)**
Sample supplied by	M/s AIC Iron Industries Pvt. Ltd.

TEST RESULT(S) :

S. No.	Parameters	Unit	Reference Test Method	Concentration	Standard*
1	pH	-	4501-H^+ B., APHA 24th edition	6.9	**5.5 - 9.0**
2	Total Suspended Solids	mg/L	2540 D, APHA 24th edition	36	**100**
3	Oil & Grease	mg/L	5520 B, APHA 24th edition	4	**10**
4	Chemical Oxygen Demand (COD)	mg/L	IS 3025(Part 58):2006, Reaffirmed 2023	95	**250**
5	Bio-chemical Oxygen Demand (BOD)	mg/L	IS 3025(Part 44):1993, Reaffirmed 2023	6	**30**

* General standards for discharges of Environmental Pollutants Part A, Schedule VI, Rule 3A of '*The Environment (Protection) Rules, 1986*' [for Inland Surface Water]

Contents of this report are meant for your guidance and should not be used for advertisement, evidence or litigation.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

ANNEXURE-II

AIC Iron Industries Pvt. Ltd.

25, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA - 700 013
Tel. No. : +91 - 33 - 2221 7535 / 36 ● Fax No. : +91 - 33 - 2211 4567
E-mail : aic_iron@aicsteel.in ● CIN : U27109WB2003PTC097420

ADUKIA GROUP

CORPORATE ENVIRONMENT POLICY

M/s. AIC Iron Industries Pvt. Ltd., is a Private Limited Company which was incorporated on 28th February, 2003, having its registered office at 25, Ganesh Chandra Avenue, Kolkata-700 025, West Bengal.

The company at present is involved for production of 78,300 TPA Billets from 1x3 T + 1x6 T + 1x15 T Induction Furnaces at village Benipur, P.O. Saltor, District Purulia in West Bengal. Now, to make the project more viable, the company has also decided to install 1x400 TPD DRI Kiln to produce 1,32,000 TPA Sponge Iron, 3x15 T Induction Furnaces with matching LRF & CCM to produce 1,46,000 TPA billets, 0.192 MTPA Rolling Mill with 1x15 TPH Reheating Furnace for production of Structural Steels and 20 MW capacity Captive Power Plant within the existing plant premises.

The company recognizes its joint responsibility with the Government and the Public to protect environment and is committed to regulate all its activities so as to follow best practicable means for minimizing adverse environmental impact arising out of its operations.

This Policy document reflects the continuing commitment of the Board for sound Environment Management of its operations. The Policy is applicable to all company operations covering manufacturing, sales and distribution and other offices. This document defines the aims and scope of the Policy as well as responsibilities for the achievement of the objectives laid down.

THE VISION

Our business approach not only seeks to minimize our environmental footprint but also contribute in enhancing the environmental quality in and around our work area.

ENVIRONMENT POLICY

The Company is committed to meeting the needs of customers in an environmentally sound manner, through continuous improvement in environmental performance in all our activities. Management at all levels, jointly with employees, is responsible and will be held accountable for company's environmental performance.

Accordingly, the Company aims to:

- Continuously assess our environmental impacts and measure and improve our environmental performance by adopting best practices for prevention and control of pollution.
- Ensure safety of its products and operations for the environment by using standards of environmental safety, which are scientifically sustainable and commonly acceptable.
- Develop and maintain environmental management system across the company to meet the company standards as well as statutory requirements for environment. Verify compliance with these standards through regular auditing.
- Make continuous efforts to reduce water intensity and fresh water usage by increased use of harvested and recycled water in our operation.

for **M/s AIC Iron Industries Pvt. Ltd.**,

Dinesh Adukia
(Director)

AIC Iron Industries Pvt. Ltd.

25, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA - 700 013
Tel. No. : +91 - 33 - 2221 7535 / 36 • Fax No. : +91 - 33 - 2211 4567
E-mail : aic_iron@aicsteel.in • CIN : U27109WB2003PTC097420

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- Reduce waste, conserve energy and explore opportunities for reuse and recycle.
- Conduct all our operations in an environmentally responsible manner that is well compatible with the statutory environment compliances and applicable standards.
- Involve all employees in the implementation of this Policy and provide proper training.
- Work in partnership with external bodies and Government agencies to promote environmental care, increase understanding of environmental issues and disseminate good practices.

CORPORATE RESPONSIBILITIES

The Directors/ Chairman of the Company is responsible for the Compliance of the Policy. The Directors/ Chairman shall constitute a Cell called as Corporate Environment Cell (CEC). The CEC is committed to conduct the company operations in an environmentally sound manner. The CEC will:

- Set standards and establish environmental improvement objectives and targets for the Company as a whole and ensure these are included in the annual operating plans.

- Formally review environment performance of the company and report environmental performance to the Board of Directors/ Chairman of the company directly once every quarter.

- In case of emergency (non-compliance/deviation/violation/major accident) immediate reporting to be done by the respective unit/departmental Heads to the Directors/ Chairman of the Company.

- Review environment performance on monthly basis and recognize exemplary performance.

The overall responsibilities for environment management at plant level rest with head of Environment Department. The Head of the Environment Department will:

- ✓ Ensure implementation of Policy on environment at plant level and review, report environment performance of the plant to the Board of Directors / Chairmen of the Company through CEC Cell once every quarter.
- ✓ In case of emergency (non-compliance / deviation / violation / major accident) Head of Environment Department will do immediate reporting to the Directors, Chairman of the Company.

The Corporate Environment Cell in co-ordination with Head of Environment Department will:

- Ensure implementation of Policy on environment and compliance with the Company's environmental standards and standards stipulated as per law.

- Prevention of incidents or accidents that might result from abnormal operating conditions.

for **M/s AIC Iron Industries Pvt. Ltd.**,

Dinesh Adukia
(Director)

AIC Iron Industries Pvt. Ltd.

25, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA - 700 013
Tel. No. : +91 - 33 - 2221 7535 / 36 • Fax No. : +91 - 33 - 2211 4567
E-mail : aic_iron@aicsteel.in • CIN : U27109WB2003PTC097420

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- Reduction of adverse effects that result from normal operating conditions.
- Establish appropriate management system for environment management and ensure regular auditing to verify compliance.
- Establish systems for appropriate training in implementation of Environment Management System at work.
- Ensure periodic 3rd party environment audit through certification bodies to check efficacy of the Environment Management Systems.
- Participate, wherever possible, with appropriate industry and Government bodies advising on environmental legislation and interact with national and local authorities concerned with protection of environment.

INDIVIDUAL UNITS RESPONSIBILITIES

The overall responsibility for environment management lies with the Chairman of the Company. The Heads of the respective units is responsible for the implementation of Policy on environment at unit level and report to Head of Environment Department or CEC Cell as the case may be on monthly basis. Concerned line managers/heads of departments are responsible for environmental performance at department levels.

In order to full fill the requirements of the Policy at each site, the Unit Head will:

- Designate a unit environment co-ordinator who will be responsible for coordinating environmental activities at unit, collecting environmental data and providing expert advice and reporting environmental performance to the Unit Head on day to day or weekly basis as the case may be.
- Agree with the co-ordinator responsible for the unit specific environmental improvement objectives and targets for the unit and ensure that these are incorporated in the annual objectives of the concerned managers and officers and are reviewed periodically.
- Ensure that the unit complies with the Company environmental standards and the relevant national and state regulations with respect to environment.

for **M/s AIC Iron Industries Pvt. Ltd.**,

Dinesh Adukia
(Director)

AIC Iron Industries Pvt. Ltd.

25, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA - 700 013
Tel. No. : +91 - 33 - 2221 7535 / 36 • Fax No. : +91 - 33 - 2211 4567
E-mail : aic_iron@aicsteel.in • CIN : U27109WB2003PTC097420

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- Ensure that all new operations are subjected to a systematic and formal analysis to assess environmental impact Findings of such exercises should be implemented prior to commencement of the activity.

- Regularly review environment performance of the unit against set objectives and targets and strive for continual improvement.

The Unit Head, through the Designate unit environment coordinator will:

- Ensure periodic audits to verify compliance with environment management systems.

- Ensure dissemination of relevant information on environment within the unit and to outside bodies, and regularly interact with Government authorities concerned for protection of environment.

- Maintain appropriate emergency procedures consistent with available technologies to prevent/ control environmental incidents.

- Also ensure periodic 3rd party environment audits through certification bodies to check efficacy of the Environment Management Systems.

- Sustain a high degree of environmental awareness through regular promotional campaigns and employee participation through training, safety committees, emergency drills etc.

- Provide appropriate training to all employees.

- Report environmental performance to Corporate Environment Cell on a monthly basis.

for **M/s AIC Iron Industries Pvt. Ltd.**,

Dinesh Adukia
(Director)

AIC Iron Industries Pvt. Ltd.

25, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA - 700 013
Tel. No. : +91 - 33 - 2221 7535 / 36 • Fax No. : +91 - 33 - 2211 4567
E-mail : aic_iron@aicsteel.in • CIN : U27109WB2003PTC097420

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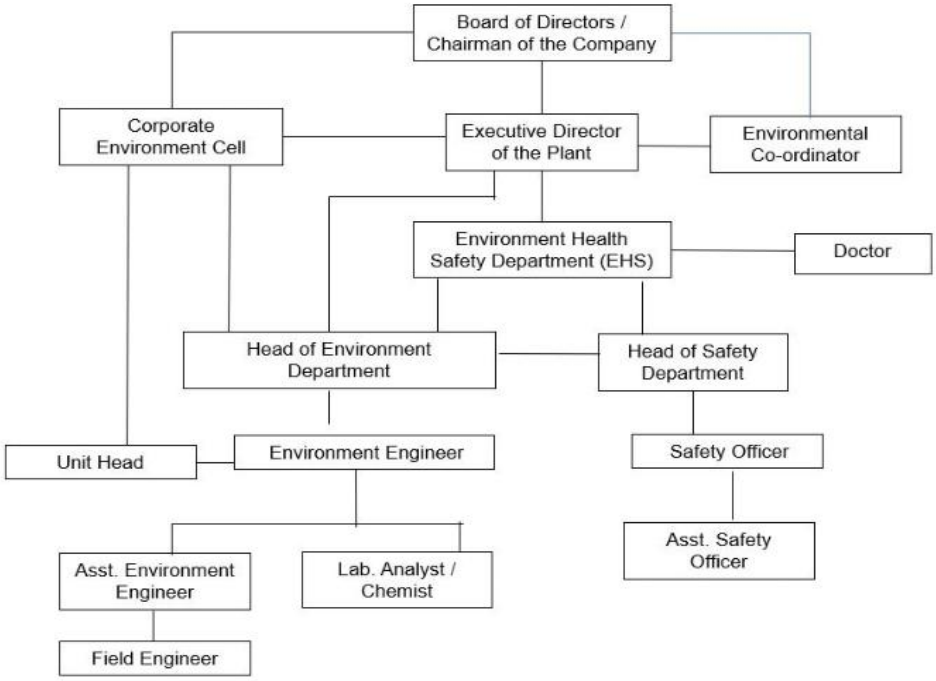
The Hierarchy of our Corporate Environment management Cell that will be strictly followed:



for **M/s AIC Iron Industries Pvt. Ltd.**,

Dinesh Adukia
(Director)

Annexure-III

help the hospital become independent in terms of provisioning medical oxygen to the patients, which they were fulfilling through procured oxygen cylinders earlier, it is learnt.

The BSF Composite Hospital at Kadamtala is a 100-bed multi-specialty hospital taking care of the health and hospital needs of all CAPFs including the BSF, CRPF, CISF, AR, ITBP and SSB, and functions under the BSF at the BSF camp at Kadamtala.

During the COVID crisis, this Hospital was transformed into a dedicated Covid Health Centre (DCHC) and has treated thousands of Covid-positive service personnel, retirees, and their dependents from the region.

"I applaud the services

lical)/MS, CP Saxena, GID/P
Dr V Raja, DIG (Medica
G Gro
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BSF, and other doctors and S
staff.

"I thank all those w
have made BSF Hospi
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healthcare for all our CA
jawans and their familie
Mr Bista said.

JOBS & CLASSIFIEDS QUEST

SITUATION VACANT

EMPLOYMENT Notice — Required Principal-cum-Professor-01, Professor-01 & Assist. Prof.-01 for M.Ed. Course.

Willing candidates are requested to apply within 12-01-2023 along with duly signed biodata through E-mail ID: balurbedcollege@gmail.com

President
Balurghat B.Ed. College

EMPLOYMENT Notice — Required Assist. Profs. for Biological Science-01, Political Sc.-01, Chemistry-01 and Health & Physical Education-01 for B.Ed. Course.

Willing candidates are requested to apply within 12-01-2023 along with duly signed biodata through E-mail ID: balurbedcollege@gmail.com

President
Balurghat B.Ed. College

CHANGE OF NAME

I, NISHAN Dewanjee, S/o. Tapan Dewanjee, declare that Nishan Dewanjee and Nishan Dewanji is the same and identical person by virtue of the affidavit of 1st Class Judicial Magistrate, Kolkata.

I, KSHAMA Basu, daughter of Late Sukumar Basu, residing at 152, G.T. Rd., Baidyabati, P.S.: Serampore, Dist.: Hooghly, declare that I am known as Kshama Basu instead of Kshama Mondal in everywhere from the date of my declaration on 11-11-2002, vide Affidavit No. 252 at Serampore Court, Hooghly.

TENDERS

SPL-202301-0045 — Saraswaty Press Ltd. invites sealed offer through e-tender to ascertain the rate per pc for production printer. For details please visit website: wbtenders.gov.in

PUBLIC NOTIFICATIONS

PUBLIC NOTICE A

We hereby inform the Public that our Proposed Expansion of existing Steel Plant by installation of 1x400 TPD Sponge Iron Plant (1,32,000 TPA), Steel Melting Shop for total production of 2,60,500 TPA Billets, 1,92,000 TPA Rolling Mill with 1x15 TPH Reheating Furnace and Captive Power Plant [20 MW (10 MW WHRB + 10 MW AFBC)] within the existing Plant premises by M/s. AIC Iron Industries Private Limited located at Village Benipur, Tehsil Neturia, District Purulia, West Bengal has been accorded Environmental Clearance (EC) by Ministry of Environment, Forest & Climate Change (MoEF&CC), Government of India vide its Letter dated 5th January, 2023 (Ref. File No. J-11011/566/2008-IA-II(I)). The copy of the Environmental Clearance Letter is available with West Bengal Pollution Control Board and may also be seen at Website of the Ministry of Environment, Forest & Climate Change at http://environmentclearance.nic.in.

Project Proponent:
M/s. AIC Iron Industries Private Limited
25, Ganesh Chandra Avenue, 4th Floor,
Kolkata-700013
West Bengal

The Sunday Statesman

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ranchi@thestatesmangroup.com

AIR-SURCHARGE: Kathmandu - Rs. 2, Eastern Region - Re. 1
All other stations in India - Re. 1

The Statesman 08/01/23

...চেষ্টা হলেও অগ্রগতি ...
...সফল হবেন। সিংহরাশি– ধর্মমূলক কাজে সুনাম বৃদ্ধির সম্ভাবনা। বিশেষ বিপদে রক্ষা পাবেন। দিনের শেষে অপ্রত্যাশিত সুযোগ প্রাপ্তির যোগ। আত্মীয় সম্পত্তির সংস্কার। কর্মক্ষেত্রে দূরস্থানে বদলির ইঙ্গিত। কন্যারাশি– প্রতিযোগিতামূলক পরীক্ষায় সাফল্যের আশা। প্রিয়জনের ভাগ্যলাভে সুখী হবেন। দুর্দিনে কোনও বন্ধুদের পাশে পেতে পারেন। জনসমাজে গুরুতর দায়িত্বপালন। পারিবারিক শান্তি লাভ। **তুলারাশি**– আধ্যাত্মিক আলোচনা

অপেক্ষাকৃত শুভপ্রদ। **কুম্ভরাশি**– অর্থ বিনিয়োগে ব্যবসায়িক সাফল্য। শত্রুর সঙ্গে সমঝোতা সন্তোষজনক। স্বজনসূত্রে অর্থ ব্যয়ের যোগ আছে। প্রিয়জনের জন্য চিন্তা বৃদ্ধি। বিদ্যার্থীদের পক্ষে অনুকুল পরিস্থিতির সন্ধান। ব্যবসায়ে মুনাফা বৃদ্ধির যোগ। **মীনরাশি**– অচেনা ব্যক্তির সাহায্য লক্ষ্যণীয়। সম্পত্তি ক্রয় বিক্রয়ে সতর্কতা প্রয়োজন। ভ্রাতা ভগিনীর সহিত মতানৈক্যের অবসান। আইনের জটিল বন্ধন থেকে মুক্তি। হিতাকাঙ্খীর সহায়তায় পারিবারিক ক্ষেত্রে অভাবনীয় সুপরিবর্তন।

আশা রাখি।

দিনপঞ্জিকা

বিশুদ্ধ সিদ্ধান্ত পঞ্জিকা

২৩ পৌষ ১৪২৯, ৮ জানুয়ারি, রবিবার ২০২২। তিথি—(পৌষ কৃষ্ণপক্ষ) প্রতিপদ দং ১/৫৩ দিবা ঘ. ৭/৮। নক্ষত্র— পুষ্যা দং ৫৯/১৭ শেষ রাত্রি ৬/৫। অমৃতযোগ– দিবা ঘ. ৯/৩০ গতে ১২/৪৫ মধ্যে রাত্রি ঘ. ৮/০ গতে ১০/২১ মধ্যে পুনঃ ১১/৫৫ গতে ১/৩০ মধ্যে পুনঃ ২/১৮ গতে ৩/৫২ মধ্যে। **বারবেলা**— ঘ. ৬/৪৩ গতে ৮/২২ মধ্যে পুনঃ ৩/১ গতে ৪/৪১ মধ্যে।

মদন গুপ্তের ফুল পঞ্জিকা

২৩ পৌষ ১৪২৯, ৮ জানুয়ারি, রবিবার ২০২২। তিথি— দ্বিতীয়া অহোরাত্র। নক্ষত্র— পুষ্যা শেষরাত্রি ৫/৪। অমৃতযোগ—দিবা ৯/২৯ গতে ১২/৪২ মধ্যে এবং রাত্রি ৭/৫৪ গতে ১০/১৮ মধ্যে ও ১১/৫৩ গতে ও ১/২৯ মধ্যে ও ২/১৭ গতে ৩/৫৩ মধ্যে। **কালবেলা**— ৭/০ মধ্যে ১২/৫৮ গতে ২/২৮ মধ্যে ও ৩/৫৭ গতে ৫/২৭ মধ্যে।

ইসলামি পঞ্জিকা

২৩ পৌষ ১৪২৯, ৮ জানুয়ারি, রবিবার ২০২২। সূর্যোদয় ৬/২৪ সূর্যাস্ত ৫/৩। **তিথি— দ্বিতীয়া অহোরাত্র। নক্ষত্র— পুষ্যা শেষরাত্রি ৫/৪।** সেহরী শেষ/ফজর শুরু ৪/১৫ ফজর শেষ ৫/৩০ জোহর ১০/৪৯ আসর ৩/৪১ ইফতার/ মাগরিব ৫/২৪ এশা ৬/৩৫।

বালুরঘাটে ফুল মেলা শুরু

নিজস্ব সংবাদদাতা, বালুরঘাট, ৭ জানুয়ারি— প্রদীপ প্রজ্জ্বলনের মাধ্যমে বালুরঘাটে শুরু হলো ৩৩তম ফুল মেলা। বালুরঘাট শহরের নাইনটিন টুয়েন্টি এইট ক্লাবে ফুল মেলা প্রতিযোগিতা এবং প্রদর্শনীর সূচনা করেন বিশিষ্ট উদ্যানবিদ এবং বিচারক কমল চক্রবর্তী। জানা গেছে ফ্লোরিকালচার ওয়েলফেয়ার ট্রাস্টের উদ্যোগে ফুল মেলার আয়োজন হয়েছে। বিগত দু'বছর করনের কারণে ফুল মেলা বন্ধ থাকলেও এবারে সাধারণ মানুষের মধ্যে ব্যাপক উৎসাহ লক্ষ্য করছেন উদ্যোক্তারা।

শ্রেণিবদ্ধ বিজ্ঞাপন

টেন্ডার নোটিশ

SPL-202301-0045 —
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পাবলিক নোটিশ

জনসাধারণের জন্য বিজ্ঞপ্তি

এতদ্বারা সকল জনসাধারণকে জানানো যাইতেছে যে, পশ্চিমবঙ্গের পুরুলিয়া জেলায় গ্রাম বেনীপুর, তেহসিল: নেতুরিয়াতে আমাদের বর্তমান কারখানার মধ্যে দৈনিক ১X৪০০ টন ক্ষমতাসম্পন্ন স্পঞ্জ আয়রন কারখানা (বাৎসরিক ১,৩২,০০০ টন), মোট বাৎসরিক ২,৬০,৫০০ টন বিলেট উৎপাদনের জন্য ইস্পাত গলানোর কর্মশালা, বাৎসরিক ২,৯২,০০০ টন ক্ষমতার রোলিং মিল তৎসহ ঘন্টায় ১X১৫ টনের রি-হিটিং চুল্লী এবং ২০ মেগাওয়াট ক্ষমতাসম্পন্ন (১০ মেগাওয়াট WHRB এবং ১০ মেগাওয়াট AFBC) নিজস্ব বিদ্যুৎশক্তি উৎপাদন কারখানার স্থাপনের দ্বারা বর্তমান ইস্পাত কারখানার প্রস্তাবিত সম্প্রসারণ প্রকল্পটি স্থাপনের জন্য পরিবেশগত ছাড়পত্র (ই.সি) পরিবেশ, বন এবং জলবায়ু পরিবর্তন মন্ত্রক বিভাগ (MoEF&CC), ভারত সরকার ৫ই জানুয়ারী ২০২৩ সালে মঞ্জুর করেছেন (ছাড়পত্র তথ্যনির্দেশ সংখ্যা - J-11011/566/2008-IA-II(I)। পরিবেশগত ছাড়পত্রের অনুলিপিটি পশ্চিমবঙ্গ দূষণ নিয়ন্ত্রণ পর্ষদ থেকে পাওয়া যাবে এবং পরিবেশ, বন এবং জলবায়ু পরিবর্তন মন্ত্রক বিভাগের (MoEF&CC) ওয়েবসাইট http://environmentclearance.nic.in থেকেও দেখা যাবে।

প্রকল্পকারীর নাম- মেসার্স এ.আই.সি. আয়রন ইন্ডাস্ট্রিজ প্রাইভেট লিমিটেড, ২৫, গণেশচন্দ্র অ্যাভিনিউ, পঞ্চমতলা, কোলকাতা - ৭০০০১৩, পশ্চিমবঙ্গ

নলেজ সি...

নিজস্ব প্রতিনিধি— আধুনিক সুবি... পরিবেশে পৌষমেলা জমে ... ডায়মন্ড হারবার রোডের ধারে শি... চলল পাঁচদিন ব্যাপী পৌষমেল... দিনেই এই মেলার শুভ সূচনা হয় ... ছিল উৎসবের সমাপ্তি দিন। এই ... আবদুর রব-এর স্বপ্নের নগরী... ডিএলএড কলেজ, দিল্লি পাব...

বি...

নিজস্ব প্রতিনিধি— নির্মাণ... অবদানের জন্য জনপ্রিয় ডিজিটাল ... গুপ্তকে বৃহস্পতিবার সম্মানিত ক... ডিজিটাল মার্কেটিং সংস্থা সেভেন... যায়, বলিউড চিত্রপরিচালক কর... করার প্রস্তাব পেয়েছেন ঝিলম। ... খবরে ভাসছে তাঁর নাম। জানা গি... ঝিলমের কাজের ধরন এবং নিষ্ঠ... পড়েন এই বলিউড চিত্র পরিচালক...

অনুষ্ঠান চলাকালীন শ্রোতাদে... ঝিলম বলেন, জাতি গঠন ও যুব ... নির্মাণ অর্থনীতি নিয়ে তিনি যথেষ্ট ... বলেন, 'এই ডিজিটাল মাধ্যমের ... তাঁদের নিজস্ব দৃষ্টিভঙ্গি ও ধারণাকে ... সঙ্গে ভাগ করে নেওয়ার সুযোগ ... তরুণ প্রজন্মকে তাঁদের নিজেদের ...

ভারতীয় রে...

অভিজিৎ ভট্টাচার্য

ভারতীয় রেলওয়ে মাল গোদাম শ্র... (বিআরএমজিএসইউ)-এর মাল গু... এক বিরাট আলোচনা সভা সংগ... জানুয়ারি চন্দ্রকোণা রোডের প্রয়াগ ... অনুষ্ঠানে উপস্থিত ছিলেন বিআরএম... সর্বভারতীয় সভাপতি পরিমল... সহসভাপতি ইন্দুশেখর চক্রবর্তী, ... সদস্য শেখ জাকির হোসেন, চন্দ্র... মেচেদা, পাঁশকুড়া, তারকেশ্বর ... গুড়শেডের সর্দার মুন্সি ও শ্রমিকবৃন্দ ...

অনুষ্ঠানের প্রধান বক্তা ... বিআরএমজিএসইউ-র সর্বভারতী... পরিমলকান্তি মণ্ডল বলেন, 'রেলের ... শ্রমিকদের ১৩ দফা দাবি নিয়ে ই... চালিয়ে যাচ্ছে। ব্রিটিশ শাসন... মালগুদামের শ্রমিকরা বঞ্চিত, অব... তাঁদের ন্যায্য পাওনা পায় না। অথচ ... পরিশ্রমে রেল প্রায় ৭৯ শতাংশ ... থাকে। আর এই যাঁদের পরিশ্রমে ...

Dainik Statesman 08/01/23

Classical Manipuri dance has not received fame, recognition it deserves: Anthropologist

IMPHAL, JULY 27/--/ Anthropologist and researcher Sohini Ray, who has been a Manipuri classical dancer for over five decades, felt that the art form has not received the fame and recognition it deserves. In a telephonic conversation with PTI, Ray, who hails from West Bengal but speaks Manipuri fluently, blamed a lack of leadership in the art form, as compared to other classical dances of the country.

"Manipuri classical dance has not received the fame and recognition it requires and deserves. Sadly, I observe a lack of leadership in the art form as compared to other national classical dances.

"Along with this, verbal communication issues (of artistes) also hindered its propagation at the national and global levels. The Manipuri diaspora is very strong now, but somehow the classical dance has not been propagated as it should have been," she said. Still, students in Imphal are very eager to take this art form forward, and there is a lot of honesty in their efforts, Ray added. "The uniqueness of Manipuri classical dance comes from the land itself. If you are to appreciate Manipuri dance, you have to be in Imphal Valley. The unique geography, environment, trees and bamboo groves have shaped the movements in a certain way and have made it rich," she said.

Ray recalled how one of her students from Andhra Pradesh, during her visit to Manipur two years back, could instantly feel how unique the dance was while witnessing performances in the temples of Imphal. Recalling her introduction to Manipuri classical dance, Ray said she started learning it at the age of five in a dance school in her hometown Kolkata.

"Two years later, my teacher in that school advised my mother to put me in my guru's school in Manipuri Nartanalaya, Kolkata, where I started studying with the Sangeet Natak Akademi awardee, the Late Guru Bipin Singh," she said.

Born in Kolkata in 1966 in a Bengali family, Ray not only trained under Guru Bipin Singh but travelled with renowned Manipuri dancers Jhaveri sisters across the country and started working as Singh's research assistant from the age of 14.

"I visited Manipur for the first time in September, 1988 when I was 22 years old. I started doing my research on Manipur from 1991, when I was 24. My first project was a part of my M Sc dissertation paper in anthropology. It was on the relationship between society and dance in Manipur. This was the beginning of a very long journey, which is still continuing," she said.

"I did not choose Manipuri dance consciously. I was too young to make any conscious choice. The art form chose me, and I feel fortunate that way," Ray said.

Ray said she gave her first performance in Delhi in 1980 when she was studying in class 8, after which she travelled with the Jhaveri sisters across the country.

She moved to the United States in 1992 and taught Manipuri dance at the New York University and then the University of California, Los Angeles, where she did her MA in dance and then PhD in anthropology, focusing on Meitei Mayek (Meitei script).

"My first performance in New York was 1992. I have toured all of the United States, Canada, Mexico and Europe since then," she added.

Ray, who has taken both academic and practical dance classes in several American universities, said, "I started Manipuri Dance Visions in 2005 in the US. It was a collective of a few dancers who trained with me. Our unit did numerous performances of classical Manipuri dance."

"Our signature production 'Gita Govinda' won the prestigious Lestor Horton award in 2008 in Los Angeles. Later, I started to teach online Manipuri classical dance and also Lai Haraoba (another traditional dance form from Manipur) to students across India," she added. Ray, who has been appointed a senior guru at Radha Madhob Cultural Institution in Imphal since March 2024, said the trust of her students at the institution and her own Manipuri Dance Visions are now her biggest sources of inspiration. (PTI)

Assam to remember Deshbhakta Tarun Ram Phukan on his death anniversary today

STAFF REPORTER

GUWAHATI, JULY 27 / -- / Assam today will pay rich tribute to freedom fighter Tarun Ram Phukan on his death anniversary, honouring his immense contribution to the Indian independence movement. Popularly known as Deshbhakta, Phukan remains a towering figure in Assam's political history for his dedication to the cause of freedom and social awakening. Born in 1877, Phukan pursued his early education at Cotton Collegiate School and later studied at Presidency College, Calcutta. To mark the occasion, the Government of Assam is observing Deshbhakti Divas on July 28, 2025. The programme is being organised by the Directorate of Information and Public Relations (DIPR), Assam.

Education Minister Dr. Ranoj Pegu is attending the ceremony at Deshbhakta Tarun Ram Phookan Park, Bharalumukh, while Information & Public Relations Minister Pijush Hazarika is joining the open meeting being held at the Land Revenue Department Conference Hall, Dispur. The state is paying its respects under the leadership of Manabendra Dev Roy, Director of DIPR, Assam.

Hagrama Mohilary leads 90th BPF Executive Meet in Baksa, welcomes former BJP leader

STAFF REPORTER

BAKSA, JULY 27 / -- / The 90th Central Executive Meeting of the Bodoland People's Front (BPF) was held on Sunday at Kharua near Barama in Assam's Baksa district. The meeting was led by BPF president and former Bodoland Territorial Council (BTC) chief, Hagrama Mohilary.

Several senior leaders and party workers from different parts of the Bodoland Territorial Region (BTR) were present at the gathering. One of the key highlights of the meeting was the formal joining of Shivnath Brahma, a senior BJP leader from Kokrajhar into the BPF. Brahma previously served as the president of the BJP Kokrajhar district unit and also held the post of BJP ST Morcha president. Speaking to the media, Hagrama Mohilary said, "Shivnath Brahma has resigned from the BJP and officially joined our party. He is a respected leader and will strengthen the BPF." During the press interaction, Hagrama Mohilary also took a jibe at former BTC executive member Khampa Borgoyary. He said, "The Khampa Borgoyary without spectacles is a duplicate. The real Khampa always wears black sunglasses and a suit."

When asked about Akhil Gogoi, the leader of Raijor Dal from Upper Assam, Mohilary said, "What business does Akhil Gogoi have in BTR? He is an outsider here. But if he wants to campaign for BPF, he is most welcome," he said.

Deshbhakti Divas Quiz Competition being held at Guwahati—UB Photos

GRANT OF ENVIRONMENTAL CLEARANCE

Name of the Project	Proposed expansion of existing Steel Plant by installation of 1x400 TPD Sponge Iron Plant (1,32,000 TPA), Steel Melting Shop for total production of 2,60,500 TPA Billets, 0.192 MTPA Rolling Mill & others	
Name of the Company	AIC IRON INDUSTRIES PVT LTD	Location of Project - West Bengal

Grant of Environmental Clearance(EC) to the proposed project activity under the provision of EIA Notification 2006

1. EC Identification No.EC23A008WB169186 2. File No.J-11011/566/2008-IA.II(I) 3. Project Type Expansion Date of Issue EC 04.01.2023

Environmental Conditions

A. Specific Condition

i. The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

ii. The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.

iii. 497.5 m3 /day of water requirement after the proposed expansion shall be met from Damodar River through DVRRC supply (397.5 m3 /day) and 100 m3 /day shall be recycled. No ground water shall be abstracted.

iv. Following additional arrangements to control fugitive dust shall be provided:

a. Fog / Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.

b. Proper covered vehicle shall be used while transport of materials.

c. Wheel Washing mechanism shall be provided in entry and exit gates with complete recirculation system.

v. All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.

vi. All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.

vii. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.

viii. Particulate matter emission from stacks shall be less than 30 mg/Nm3 . Action plan submitted to limit the dust emission shall be strictly implemented.

ix. Solid waste utilization

a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.

b. PP shall recycle/reuse 100 % solid waste generated in the plant.

c. Used refractories shall be recycled as far as possible.

x. Damodar River (2.8 Km, NW), Panchet Reservoir (3.84 Km, W) and Baranti Reservoir (8.66 Km, SSE) exists within the study area. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.

xi. The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. MSW waste shall be treated in digester and recovered gas shall be used in the canteen.

xii. The company shall also undertake rain water harvesting measures as per the plan submitted in the EIA/EMP report and reduce water dependence from the outside source.

xiii. Benipur (0.1 km, NNE) and Boropukur (0.6 km, NNE) exists within the study area of project site. Project Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The company shall also include this location in its environmental monitoring programme.

xiv. As committed to adopt Benipur village, project proponent shall prepare and implement a robust plan to develop it into model villages in next 10 years.

xv. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

xvi. Three tier Green Belt shall be developed in at least 33% of the project area in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.

xvii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

xviii. Air Cooled condensers shall be used in the captive power plant.

xix. During operational phase at Captive Power Plant, PP shall measure coal dust exposures and to maintain coal dust exposures within stipulated standards at coal handling areas. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

xx. All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.

xxi. The project proponent shall maintain the records on the total dust generated per month and the percentage of dust captured by pollution control equipments and to be submitted to IRO on six monthly basis.

xxii. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.

xxiii. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.

B. General conditions:

I. Statutory compliance:

i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.

II. Air quality monitoring and preservation

i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as two Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.

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

iii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.

iv. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.

v. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.

vi. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.

vii. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.

viii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

III. Water quality monitoring and preservation

I. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30 th May 2008; G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF); S.O. 3305 (E) dated 7 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 recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.

ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.

iii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.

iv. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.

v. 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.

vi. Tyre washing facilities shall be provided at the entrance/exit of the plant gates.

IV. Noise monitoring and prevention

i. Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

V. Energy Conservation measures

I. Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.

VI. Waste management

I. Used refractories shall be recycled.

ii. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

I.The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

ii. Project proponent shall submit a study report on De-carbonization program, which would essentially consist of company's carbon emissions, carbon budgeting / balancing carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.

VII. 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.

ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

I. The project proponent shall comply with the provisions contained in this Ministry's OM Vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.

ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

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 at least in 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.

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.

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.

iv. The project proponent shall monitor the criteria pollutants 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.

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.

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.

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.

viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

ix. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.

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).

xi. 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.

মহারাজা নৃপেন্দ্র নারায়ণ স্মৃতি সদন চত্বরে থাকা কমপ্লেক্সটিকে সংস্কার করার দাবি

বাপি মণ্ডল দিনহাটা : পুরসভার অধীনে মহারাজা নৃপেন্দ্র নারায়ণ স্মৃতি সদন চত্বরে থাকা বিভিন্ন দোকানের বারান্দার পলেস্তারা প্রায়ই খুলে বিপদজনক আকার ধারণ করছে। শনিবার সকালে একটি দোকানে বেশ কয়েকজন ক্রেতার সামনে উপর থেকে পলেস্তারা খুলে পড়ায় অল্পের জন্য রক্ষা পায় তারা। সদনের পাশেই রয়েছে এই মার্কেট কমপ্লেক্স। আর এই কমপ্লেক্সের উপরে রয়েছে অডিটোরিয়াম হল। এই কমপ্লেক্সের দুই পাশে রয়েছে বেশ কিছু দোকান। অভিযোগ, এই কমপ্লেক্স গড়ে ওঠার পর দ্বিতীয় বার সংস্কার হয়নি। বিভিন্ন জায়গার পলেস্তারা প্রায় প্রতিদিনই খুলে খুলে পড়ছে। এর ফলে সমস্যায় পড়েছেন ব্যবসায়ীরা। যে কোন সময় বড় দুর্ঘটনার আশঙ্কা করছেন ব্যবসায়ীরা। এই কমপ্লেক্সটিকে সংস্কার করার জন্য ইতিপূর্বে ব্যবসায়ীদের পক্ষ থেকে পুরসভার কাছে আবেদন জানান হয়েছে। পুরসভা সূত্রে অবশ্যই জানা গিয়েছে, বেশ কয়েক বছর আগে এই কমপ্লেক্স তৈরি হয়েছে। নতুন করে এটাকে যাতে সংস্কার করা যায় তার জন্য পরিকল্পনা রয়েছে। এ দিন ওই কমপ্লেক্সে কাগজ কিনতে আসা এক গ্রাহক জানিয়েছেন, কাগজ কিনতে দোকানের সামনে আসতেই আমার পাশেই ওপর থেকে পলেস্তারা ভেঙে পড়েছে। অল্পের জন্য প্রাণে বেঁচে গেলাম। আরেক ক্রেতা দীপক দে জানিয়েছেন, এই মার্কেট কমপ্লেক্সে এসে জিনিসপত্র কেনা এখন আতঙ্কের কারণ হয়ে দাঁড়িয়েছে। যেভাবে প্রায়ই পলেস্তারা ভেঙ্গে পড়ছে যে কোন সময় বড় ঘটনা ঘটতে পারে।ব্যবসায়ীদের তুষার ঘোষাল, আবেদ আলী জানিয়েছেন, কমপ্লেক্সের অধিকাংশ জায়গায় পলেস্তারা প্রায়ই খুলে পড়ছে। আমরা যেমন আতঙ্কের মধ্যে থাকি তেমনি ক্রেতারা এলেও তারা বেশিক্ষণ দাঁড়াতে চায় না। কারণ যেকোন সময় ছাদের পলেস্তারা ভেঙে পড়ে। ব্যবসায়ীদের পক্ষ থেকে বিষয়টি লিখিতভাবে পুর কর্তৃপক্ষকে জানিয়েছি। পুর কর্তৃপক্ষ আমাদের আশ্বস্ত করেছে।পুরসভার চেয়ারম্যান অপর্ণা দে নন্দী বলেন,ক্ষুন্নসদন চত্বরে যে কমপ্লেক্স রয়েছে তা অনেক বছর আগে তৈরি হয়েছে। কিছু কিছু জায়গা ক্ষতিগ্রস্ত হয়েছে। কখনও কখনও পলেস্তারা খুলে পড়ার বিষয়টি আমাদের গোচরে এসেছে। দ্রুত যাতে ঠিক করা যায় সেটা আমরা দেখছি।

হোন্ডা মোটরসাইকেল অ্যান্ড স্কুটার ইন্ডিয়া উদযাপন করছে গর্বের ২৫ বছর

নতুন দিল্লি : হোন্ডা মোটরসাইকেল অ্যান্ড স্কুটার ইন্ডিয়া (এইচএমএসআই) ভারতে তার ২৫ বছরের যাত্রায় একটি বিশেষ মাইলফলক উদযাপন করেছে। এই বিশেষ উপলক্ষে, কোম্পানি দুটি নতুন বাইক - সিবি১২৫ হরনি এবং সাইন ১০০ ডিএক্স উন্মোচন করেছে। এই নতুন বাইকগুলি উন্মোচনের মাধ্যমে, হোন্ডা ভারতীয় গ্রাহকদের আধুনিক এবং প্রযুক্তিগতভাবে উন্নত পণ্য সরবরাহের প্রতিশ্রুতি আরও জোরদার করেছে। জেনারেশন হোন্ডা এই নতুন যুগে প্রবেশ করার সাথে সাথে, সিবি১২৫ হরনিটি এবং সাইন ১০০ ডিএক্স বাইকের প্রি-বুকিং ১ আগস্ট, ২০২৫ থেকে শুরু হবে।এই ঐতিহাসিক উপলক্ষে, হোন্ডা মোটরসাইকেল অ্যান্ড স্কুটার ইন্ডিয়ার ব্যবস্থাপনা পরিচালক, প্রেসিডেন্ট এবং সিইও মিঃ সুতসুমি ওটানি বলেন, ''আজ আমাদের জন্য একটি বিশেষ দিন। ভারতে এইচএমএসআই-এর ২৫ বছর উদযাপন করতে পেরে আমরা গর্বিত। আজ, আমরা একটি নয়, দুটি নতুন বাইক ,সিবি১২৫ হর্নেট এবং শাইন ১০০ ডিএক্স - লঞ্চ করছি যা হোন্ডার উদ্ভাবন এবং গ্রাহক-কেন্দ্রিক দৃষ্টিভঙ্গির প্রতীক। এটি ভারতীয় গ্রাহকদের কাছে আধুনিক এবং টেকসই গতিশীলতা সমাধান আনার প্রতি আমাদের প্রতিশ্রুতি পুনর্ব্যক্ত করে। এই উদযাপন হোন্ডার বিশ্বব্যাপী ৫০ কোটি ইউনিট উৎপাদনের মাইলফলক এবং ৭০০ কোটি ইউনিটেরও বেশি ইউনিট উৎপাদনে এইচএমএসআই-এর সাফল্যের সাথেও মিলে যায়। আমরা আমাদের গ্রাহক, অংশীদার এবং কর্মচারীদের প্রতি কৃতজ্ঞ - যারা এই যাত্রাকে সফল করেছেন। আমরা এটিকে আরও এগিয়ে নিয়ে যাওয়ার জন্য উন্মুখ।এই ঘোষণার বিষয়ে মন্তব্য করতে গিয়ে, হোন্ডা মোটরসাইকেল অ্যান্ড স্কুটার ইন্ডিয়ার বিক্রয় ও বিপণন পরিচালক মিঃ যোগেশ মাথুর বলেন,''এই বছর এইচএমএসআই তার ২৫তম বার্ষিকী উদযাপন করছে, আমরা নতুন প্রজন্মের ভারতীয় রাইডারদের চাহিদা পূরণের জন্য ডিজাইন করা দুটি সম্পূর্ণ নতুন মোটরসাইকেল উন্মোচন করতে পেরে আনন্দিত। সিবি১২৫ হর্নেট প্রিমিয়াম ১২৫সিসি কমিউটার সেগমেন্টকে নতুনভাবে সংজ্ঞায়িত করে ; এর উন্নত স্টাইলিং, সেগমেন্টে প্রথম-শ্রেণীর গোল্ডেন ইউএসডি ফ্রন্ট ফর্ক এবং সেরা ০-৬০ কিমি/ঘন্টা ত্বরণ সময় (মাত্র ৫.৪ সেকেন্ড) ; এটিকে জেনারেশন - জেড ব্যবহারকারীদের জন্য আদর্শ শহুরে সঙ্গী করে তোলে। এটি এমন একটি বাইক যা তাদের ''তাদের রিজ চালাতে'' সাহায্য করবে। অন্যদিকে, নতুন শাইন ১০০ ডিএক্স একটি নতুন স্বাদে আসে ; আরও স্টাইলিশ লুক এবং উন্নত বৈশিষ্ট্যের দুর্দান্ত মিশ্রণ সহ। এটি ঠিক যেমনটি গ্রাহকরা আশা করেন - ''সলিড হ্যায়''। এই দুটি মডেলই প্রমাণ করে যে হোন্ডা সর্বদা গ্রাহকদের চাহিদার সাথে সঙ্গতিপূর্ণভাবে এগিয়ে চলেছে, প্রতিটি সেগমেন্টের জন্য আধুনিক এবং উন্নত গতিশীলতা সমাধান আনতে। দেশ।সাইড প্রোফাইলেও নজর কাড়ে , মাচো লুকের ফুয়েল ট্যাঙ্ক, শার্প ট্যাঙ্ক শ্রাউডস আর স্টাইলিশ মাফলার একে করে তোলে আরও অ্যাট্রাকটিভ। সেগমেন্টে প্রথমবারের মতো গোল্ডেন কালারের ইউএসডি ফ্রন্ট ফর্কস দেওয়া হয়েছে, সঙ্গে ৫-স্টেপ অ্যাডজাস্টেবল মনো-শক, যা হ্যান্ডলিং-এ দারুন হেল্প করে। ফুয়েল ট্যাঙ্কের ওপর ইগনিশন কি রাখা হয়েছে , যা শুধু কনভিনিয়েন্ট না, বরং বাইকের স্টাইলেও চার চাঁদ লাগায়। সিবি১২৫ হরনিটি-এর স্ট্রিট স্মার্ট লুকে আরও যুক্ত হয়েছে মাল্টি-স্পোক অ্যালয় হুইলস আর স্প্লিট সিট সেটআপ , যেটা রাইডার আর পিলিয়ন দুইজনের জন্যই আরামদায়ক।নতুন প্রজন্মের রাইডারদের স্টাইল আর পছন্দ মাথায় রেখে ডিজাইন করা হয়েছে একদম নতুন সিবি১২৫ হরনিটি। বাইকটি এসেছে চারটি স্টাইলিশ কালার অপশনে, যেগুলোর কম্বিনেশন একেবারে চোখ ধাঁধানো। কালারগুলো হলো , পার্ল সাইরেন ব্লু উইথ লেমন আইস ইয়েলো, পার্ল ইগনিয়াস ব্ল্যাক, পার্ল সাইরেন ব্লু উইথ অ্যাথলেটিক ব্লু মেটালিক, আর পার্ল সাইরেন ব্লু উইথ স্পোর্টস রেড।ফিচারের দিক থেকে, এখানে থাকছে ৪.২ ইঞ্চির টিফটি ডিসপ্লে, ব্লুটুথ কানেক্টিভিটি, আর হোন্ডা অ্যাপ সাপোর্ট , যা রাইডিং এক্সপিরিয়েন্সকে করে আরও স্মার্ট আর কানেক্টেড।হোন্ডা অ্যাপের জন্য ধন্যবাদ, এখন রাইডাররা রাস্তায় ফোকাস রাখতে পারবে এবং একইসাথে কানেক্টেডও থাকতে পারবে , নেভিগেশন, কল ও এসএমএস অ্যালার্ট, আর হেডসেটের মাধ্যমে মিউজিক প্লেব্যাক একদম সহজেই পাওয়া যাবে। বাইকের বাঁ দিকের হ্যান্ডেলবারে থাকা সুইচ দিয়ে স্ক্রিনটাও বদলানো যায়। সিবি১২৫ হরনিটি-এ রয়েছে একটি ইউনিভার্সাল ইউএসবি টাইপ-সি চার্জিং পোর্ট, যার মাধ্যমে রাইডের সময়েও ডিভাইস চার্জ করা যাবে। এছাড়াও এতে আছে ইঞ্জিন স্টপ সুইচ এবং সাইড-স্ট্যান্ড ইন্ডিকেটর, যা ইঞ্জিন ইনহিবিটরের সাথে যুক্ত , বাড়তি সেফটির জন্য।ব্রেকিং-এর দায়িত্ব সামলায় সামনে ২৪০মিমি পেটাল ডিস্ক ও পেছনে ১৩০মিমি ড্রাম ব্রেক। পেটাল ডিস্ক ব্যবহারে তাপ দ্রুত নিঃসরণ হয়, ফলে কুলিং ভালো হয় এবং ব্রেকিং পারফরম্যান্স আরও উন্নত হয়। বাড়তি সেফটির জন্য সিবি১২৫ হরনিটি-এ দেওয়া হয়েছে সিঙ্গেল-চ্যানেল মোটরসাইকেলটি চওড়া টিউবলেস টায়ারের উপর চলে , সামনে ৮০/১০০-১৭ ও পেছনে ১১০/৮০-১৭ ইউনিট। এই সেটআপ রাইডারের আত্মবিশ্বাস বাড়ায়, যেকোনো রাস্তায় নিয়ন্ত্রণে রেখে নিশ্চিন্তে চালানোর সুবিধা দেয়।নতুন সাইন ১০০ ডিএক্স-এ আকর্ষণীয় গ্রাফিক্স দেওয়া হয়েছে, যা বাইকের স্টাইলকে আরও বাড়িয়ে তোলে। এর লম্বা সিট রাইডার ও পেছনের যাত্রীর জন্য আরামদায়ক, ফলে প্রতিদিন যাতায়াতের জন্য এটা দারুণ একটি অপশন। অল-ব্ল্যাক ইঞ্জিন আর গ্র্যাব রেল বাইকে একটা কনট্রাস্ট যোগ করেছে, আর ক্রোম মাফলার কভারটা ফিনিশিংয়ে একটা প্রিমিয়াম টাচ এনেছে।শাইন ১০০ ডিএক্স এখন চারটি ঝকঝকে ও আকর্ষণীয় রঙে পাওয়া যাচ্ছে, যা বিভিন্ন ধরনের গ্রাহকদের পছন্দের কথা মাথায় রেখে ডিজাইন করা হয়েছে। রঙগুলো হল , পার্ল ইগনিয়াস ব্ল্যাক, ইম্পেরিয়াল রেড মেটালিক, অ্যাথলেটিক ব্লু মেটালিক, আর জেনি গ্রে মেটালিক। এই বাইকটিকে আপডেট করা হয়েছে যাতে এটা আধুনিক ব্যবহারকারীদের চাহিদা মেটাতে পারে। নতুন এলসিডি ডিজিটাল ইনস্ট্রুমেন্ট ক্লাস্টার দেওয়া হয়েছে, যা রিয়েল-টাইম মাইলেজ, কতটা দূর চলতে পারবে (রেঞ্জ), এবং কখন সার্ভিস দরকার হবে;এই সব তথ্য একসাথে দেখায়। নিরাপত্তার কথা মাথায় রেখে বাইকটিতে সাইড স্ট্যান্ড ইঞ্জিন কাট-অফ ফিচার-ও যোগ করা হয়েছে, যা এক্সিডেন্ট হওয়ার সম্ভাবনা কমাতে সাহায্য করে।ভারতের রাস্তায় চালানোর উপযোগী করে তৈরি, সাইন ১০০ ডিএক্স-এ রয়েছে টেলিস্কোপিক ফ্রন্ট ফর্ক ও ৫-স্টেপ অ্যাডজাস্টেবল রিয়ার শক অ্যাবজর্ভার, যা মসৃণ ও নিয়ন্ত্রিত রাইড দেয়। সামনে ও পিছনে ড্রাম ব্রেক থাকলেও, হোন্ডা-র থাকায় ব্রেকিং আরও সুরক্ষিত। নতুন সাইন ১০০ ডিএক্স-এ রয়েছে ১৭ ইঞ্চির টিউবলেস টায়ার ও ১৬৮ মিমি গ্রাউন্ড ক্লিয়ারেন্স, যা ভরসাযোগ্য হ্যান্ডলিং ও বিভিন্ন রাস্তায় ভালো স্ট্যাবিলিটি নিশ্চিত করে।

GRANT OF ENVIRONMENTAL CLEARANCE

Name of the Project	Proposed expansion of existing Steel Plant by installation of 1x400 TPD Sponge Iron Plant (1,32,000 TPA), Steel Melting Shop for total production of 2,60,500 TPA Billets, 0.192 MTPA Rolling Mill & others	
Name of the Company	AIC IRON INDUSTRIES PVT LTD	Location of Project - West Bengal

Grant of Environmental Clearance(EC) to the proposed project activity under the provision of EIA Notification 2006

1. EC Identification No.EC23A008WB169186 2. File No.J-11011/566/2008-IA.II(I) 3. Project Type Expansion Date of Issue EC 04.01.2023

Environmental Conditions

A. Specific Condition

i. The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

ii. The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.

iii. 497.5 m3 /day of water requirement after the proposed expansion shall be met from Damodar River through DVRRC supply (397.5 m3 /day) and 100 m3 /day shall be recycled. No ground water shall be abstracted.

iv. Following additional arrangements to control fugitive dust shall be provided:

a. Fog / Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.

b. Proper covered vehicle shall be used while transport of materials.

c. Wheel Washing mechanism shall be provided in entry and exit gates with complete recirculation system.

v. All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.

vi. All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.

vii. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.

viii. Particulate matter emission from stacks shall be less than 30 mg/Nm3 . Action plan submitted to limit the dust emission shall be strictly implemented.

ix. Solid waste utilization

a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.

b. PP shall recycle/reuse 100 % solid waste generated in the plant.

c. Used refractories shall be recycled as far as possible.

x. Damodar River (2.8 Km, NW), Panchet Reservoir (3.84 Km, W) and Baranti Reservoir (8.66 Km, SSE) exists within the study area. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.

xi. The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. MSW waste shall be treated in digester and recovered gas shall be used in the canteen.

xii. The company shall also undertake rain water harvesting measures as per the plan submitted in the EIA/EMP report and reduce water dependence from the outside source.

xiii. Benipur (0.1 km, NNE) and Boropukur (0.6 km, NNE) exists within the study area of project site. Project Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The company shall also include this location in its environmental monitoring programme.

xiv. As committed to adopt Benipur village, project proponent shall prepare and implement a robust plan to develop it into model villages in next 10 years.

xv. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

xvi. Three tier Green Belt shall be developed in at least 33% of the project area in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.

xvii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

xviii. Air Cooled condensers shall be used in the captive power plant.

xix. During operational phase at Captive Power Plant, PP shall measure coal dust exposures and to maintain coal dust exposures within stipulated standards at coal handling areas. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

xx. All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.

xxi. The project proponent shall maintain the records on the total dust generated per month and the percentage of dust captured by pollution control equipments and to be submitted to IRO on six monthly basis.

xxii. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.

xxiii. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.

B. General conditions:

I. Statutory compliance:

i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.

II. Air quality monitoring and preservation

i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as two Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.

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

iii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.

iv. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.

v. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.

vi. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.

vii. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.

viii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

III. Water quality monitoring and preservation

I. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30 th May 2008; G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF); S.O. 3305 (E) dated 7 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 recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.

ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.

iii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.

iv. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.

v. 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.

vi. Tyre washing facilities shall be provided at the entrance/exit of the plant gates.

IV. Noise monitoring and prevention

i. Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

V. Energy Conservation measures

I. Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.

VI. Waste management

I. Used refractories shall be recycled.

ii. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

I. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

ii. Project proponent shall submit a study report on De-carbonization program, which would essentially consist of company's carbon emissions, carbon budgeting / balancing carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.

VII. 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.

ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

I. The project proponent shall comply with the provisions contained in this Ministry's OM Vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.

ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

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 at least in 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.

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.

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.

iv. The project proponent shall monitor the criteria pollutants 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.

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.

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.

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.

viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

ix. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.

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).

xi. 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.

ANNEXURE-IV

ADUKIA GROUP

AIC IRON INDUSTRIES PVT. LTD.
25, Ganesh Chandra Avenue, 4th Floor, Kolkata-700 013
Tel. : 033 2221 7535 / 7536, Email : aic_iron@aicsteel.in
CIN : U27109WB2003PTC097420

O/C

Date 09.10.2023

To
Pradhan
Sarbari Gram Panchayat
Neturia, Dist : Purulia
West Bengal

Sub: Information of EC obtained.

Dear Sir,

This is to inform you that we have obtained Environmental Clearance vide EC Identification No: EC 23A008WB169186 Dated 05.01.2023 for expansion of our existing unit with DRI Kiln and Captive Power and other units.

We are enclosing herewith a copy of the same.

Thanking You

For AIC IRON INDUSTRIES (P) LTD.

Yours Truly

Authorised Signatory

For AIC Iron Industries Pvt Ltd

Received one copy.

Received without verification
Sarbari Gram Panchayat

ADUKIA GROUP

AIC IRON INDUSTRIES PVT. LTD.
25, Ganesh Chandra Avenue, 4th Floor, Kolkata-700 013
Tel. : 033 2221 7535 / 7536, Email : aic_iron@aicsteel.in
CIN : U27109WB2003PTC097420

Date 09.10.2023

To
Sabhapati
Neturia Panchayat samity
Neturia, Dist : Purulia
West Bengal

Sub : Information of EC obtained.

Dear Sir,

This is to inform you that we have obtained Environmental Clearance vide EC Identification No: EC 23A008WB169186 Dated 05.01.2023 for expansion of our existing unit with DRI Kiln and Captive Power and other units.

We are enclosing herewith a copy of the same.

Thanking You

For AIC IRON INDUSTRIES (P) LTD.

Yours Truly

Authorised Signatory
For AIC Iron Industries Pvt Ltd

9/10/2023
For Sabhapati
Neturia Panchayet Samity

Annexure-V

FORM – V

(See rule 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDING THE 31ST MARCH 2025

PART- A		
1.	Name & address of the owner/occupier of the industry, operation or process.	**M/s AIC Iron Industries Pvt. Ltd.** **Shri Dinesh Adukia (Director)** **Address:** **25, Ganesh Chandra Avenue, 4th Floor, Kolkata-700 013, West Bengal**
2.	Industry category Primary (STC Code), Secondary (SIC Code)	RED, Large Scale Metallurgical Industries (Ferrous & Non-ferrous)
3.	Production Capacity – Units	The unit Configuration & current Production capacity (as per valid CTO) is presented below, ➢ Induction Furnaces (3X15 T): 1,35,000 TPA Billets ➢ DRI Kiln 1x400 TPD (Sponge Iron 1,32,000 TPA) ➢ Captive Power Plant (WHRB based 10 MW) ➢ Rolling Mill - 0.15 MTPA (Structural Steels (Strips & Pipes etc.)) ➢ Slag Crusher
4.	Year of establishment	2007
5.	Date of last environmental statement submitted	Sept 2024

PART – B WATER & RAW MATERIAL CONSUMPTION		
1. Water Consumption m^3/day process		
Process & Cooling	220 m^3/day	
Domestic	32 m^3/day	
Name of Products	Process Water consumption per unit of product output	
	During the previous financial year (2023-2024)	During the current financial year (2024-2025)
Billets	0.29 m^3/T Billet	0.30 m^3/T Billet
Sponge Iron	0.16 m^3/T Sponge Iron	0.17 m^3/T Sponge Iron
Rolled Product (Structural Steels)	0.05 m^3/T Structural Steels	0.05 m^3/T Structural Steels

For AIC IRON INDUSTRIES PVT. LTD.

Director

2. Raw Material Consumption			
Name of Raw Materials	Name of Products	Consumption of Raw material per unit of out put	
		During the previous financial year (2023-2024)	During the current financial year (2024-25)
1) Iron Ores/Pellet 2) Coal 3) Dolomite	Sponge Iron	1.364 T/T 0.900 T/T 0.027 T/T	1.366 T/T 0.920 T/T 0.029 T/T
1) Sponge Iron 2) Pig Iron /Scrap 3) Ferro Alloys	Billets	1.182 T/T 0.478 T/T 0.015 T/T	1.184 T/T 0.471 T/T 0.017 T/T
1) In house Billets	Strips & Pipes	1.105 T/T	1.105 T/T

PART – C Pollution discharged to environment/unit of output (Parameters as specified in the consent issued)				
S. N.	Pollutants	Quantity of pollutants discharged	Concentrations of pollutants in discharges (mg/Nm^3)	Percentage of variation from prescribed standards with reason
a.	Water (Domestic Effluent)	26 KLD through Septic Tank - Soak Pit system	-	No variation
b	Air	PM - 56 TPD	<30 mg/Nm^3	No variation

PART – D HAZARDOUS WASTE [as specified under Hazardous Wastes (Management & Handling) Rules 1989]			
Hazardous Wastes		Total Quantity (in Kg)	
		During the previous Financial year	During the current Financial year
a.	From Process	No Hazardous waste produced.	No Hazardous waste produced.
b.	From Pollution Control Facilities	Nil	Nil

For AIC IRON INDUSTRIES PVT. LTD.

Director

PART – E SOLID WASTES			
Solid Wastes		Total Quantity	
		During the previous Financial year (April, 2023 to March, 2024)	During the current Financial year (April,2024 to March,2025)
a.	From process	➢ Slag from Induction Furnaces – 2470 TPA ➢ Dolochar from Sponge Iron Plant - 30,000 TPA	➢ Slag from Induction Furnaces – 9150 TPA ➢ Dolochar from Sponge Iron Plant - 30,500 TPA
b.	From pollution control facility	NA	NA
c.	1. Quantity recycled or re-utilised within the unit 2. Sold 3. Disposed	➢ Slag from Induction Furnaces is being used in Land filling / Road making purposes. ➢ Dolochar will be used in Power generation.	➢ Slag from Induction Furnaces is being used in Land filling / Road making purposes. ➢ Dolochar will be used in Power generation.

PART – F
Please specify the characteristics (in terms of concentration and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.
The solid waste which are generated from various sources mainly slag from Induction Furnaces and Dolochar from Sponge Iron Plant, belongs in the group of non-hazardous categories.

PART – G Impact of pollution abatement measures on conservation of natural resources and on the cost of production
1. There are 3 nos. hood & one common stack attached with 3x15 T Induction Furnaces for continuous emission of PM only. To reduce dust emissions, Bag Filters has been used with the stack. 2. One stack is attached with 1x400 TPD capacity Sponge Iron Plant for continuous emission. To reduce dust emissions, ESP has been used with the stack. 3. Diesel Generator sets is being used during the power failure. 4. Under "Zero discharge" concept no industrial effluent discharge outside the plant premises. Treated industrial waste water is being used in the plant premises. Domestic waste water is being treated through Septic Tank - Soak Pit system. 5. To reduce the use of conventional source of energy for conservation of natural resources, the Company has taken several measures.

For AIC IRON INDUSTRIES PVT. LTD.

Director

PART – H Additional measures / investment proposal for environmental protection including abatement of pollution, prevention of pollution
PART – I Any other particulars for improving the quality of environment.
1. There is water spray arrangement to control fugitive emissions. 2. Bag Filters, ESP etc. is provided with the stacks with desired capacity. 3. The company has developed green belt within the plant area. 4. World environment day is celebrated to promote awareness of environment issues.

For AIC IRON INDUSTRIES PVT. LTD.

Director

AIC IRON INDUSTRIES PVT. LTD.

Annexure-VI

AQMS_ENE01840_01_Dec_25_AAQ_DATA

Date Time	PM 2.5	PM 10	SOx	NOx
	ug/m3	ug/m3	PPM	PPM
2025-11-30 23:55:29	43.00	44.0	0.01	3.10
2025-11-30 23:45:28	43.00	47.0	0.01	3.08
2025-11-30 23:35:27	43.00	51.0	0.00	3.08
2025-11-30 23:25:27	38.00	50.0	0.01	3.08
2025-11-30 23:15:26	39.00	50.0	0.00	3.12
2025-11-30 23:05:25	42.00	50.0	0.03	3.11
2025-11-30 22:55:25	40.00	51.0	0.00	3.10
2025-11-30 22:45:24	36.00	48.0	0.01	3.09
2025-11-30 22:35:23	34.00	51.0	0.01	3.08
2025-11-30 22:25:22	39.00	44.0	0.00	3.09
2025-11-30 22:15:22	35.00	53.0	0.00	3.07
2025-11-30 22:05:21	41.00	50.0	0.00	3.09
2025-11-30 21:55:20	38.00	46.0	0.00	3.10
2025-11-30 21:45:20	38.00	46.0	0.02	3.11
2025-11-30 21:35:19	40.00	47.0	0.02	3.10
2025-11-30 21:25:18	38.00	53.0	0.00	3.10
2025-11-30 21:15:18	34.00	49.0	0.01	3.11
2025-11-30 21:05:17	42.00	52.0	0.01	3.08
2025-11-30 20:55:16	42.00	51.0	0.00	3.10
2025-11-30 20:45:16	36.00	44.0	0.01	3.13
2025-11-30 20:35:16	38.00	50.0	0.01	3.09
2025-11-30 20:25:14	36.00	49.0	0.01	3.09
2025-11-30 20:15:14	34.00	44.0	0.01	3.12
2025-11-30 20:05:13	36.00	51.0	0.01	3.08
2025-11-30 19:55:14	41.00	52.0	0.01	3.08
2025-11-30 19:45:12	37.00	47.0	0.02	3.09
2025-11-30 19:35:11	36.00	51.0	0.00	3.11
2025-11-30 19:15:10	42.00	52.0	0.00	3.08

2025-11-30 19:05:09	43.00	49.0	0.00	3.09
2025-11-30 18:55:10	38.00	46.0	0.00	3.07
2025-11-30 18:45:08	36.00	50.0	0.00	3.09
2025-11-30 18:35:07	34.00	49.0	0.00	3.07
2025-11-30 18:25:07	42.00	50.0	0.02	3.07
2025-11-30 18:15:10	35.00	50.0	0.01	3.09
2025-11-30 18:05:05	38.00	45.0	0.01	3.12
2025-11-30 17:55:05	42.00	49.0	0.00	3.11
2025-11-30 17:45:04	40.00	49.0	0.00	3.07
2025-11-30 17:35:04	41.00	46.0	0.02	3.08
2025-11-30 17:25:05	34.00	53.0	0.00	3.07
2025-11-30 17:15:02	43.00	51.0	0.00	3.12
2025-11-30 17:05:04	38.00	44.0	0.01	3.07
2025-11-30 16:55:00	41.00	49.0	0.01	3.08
2025-11-30 16:45:04	40.00	49.0	0.01	3.10
2025-11-30 16:34:59	36.00	47.0	0.00	3.08
2025-11-30 16:24:58	38.00	44.0	0.01	3.10
2025-11-30 16:14:57	42.00	53.0	0.01	3.09
2025-11-30 16:04:56	37.00	50.0	0.00	3.09
2025-11-30 15:54:56	41.00	53.0	0.00	3.09
2025-11-30 15:44:57	34.00	48.0	0.00	3.07
2025-11-30 15:34:55	39.00	48.0	0.01	3.10
2025-11-30 15:24:54	39.00	52.0	0.03	3.11
2025-11-30 15:14:53	43.00	50.0	0.01	3.09
2025-11-30 15:04:54	41.00	48.0	0.00	3.10
2025-11-30 14:54:52	40.00	51.0	0.01	3.07
2025-11-30 14:44:51	37.00	53.0	0.02	3.08
2025-11-30 14:34:51	35.00	53.0	0.03	3.09
2025-11-30 14:14:49	41.00	51.0	0.00	3.09
2025-11-30 14:04:49	41.00	49.0	0.01	3.07
2025-11-30 13:14:45	36.00	46.0	0.00	3.08
2025-11-30 13:04:44	41.00	53.0	0.04	3.08
2025-11-30 12:54:43	35.00	47.0	0.00	3.09

2025-11-30 12:44:43	40.00	44.0	0.00	3.08
2025-11-30 12:24:53	36.00	47.0	0.01	3.09
2025-11-30 12:04:40	37.00	46.0	0.01	3.10
2025-11-30 11:54:45	43.00	52.0	0.00	3.08
2025-11-30 11:44:39	42.00	50.0	0.02	3.06
2025-11-30 11:34:38	36.00	52.0	0.02	3.09
2025-11-30 10:44:36	37.00	45.0	0.02	3.11
2025-11-30 10:34:35	39.00	44.0	0.00	3.09
2025-11-30 10:24:33	40.00	47.0	0.00	3.09
2025-11-30 10:14:33	43.00	45.0	0.02	3.10
2025-11-30 09:54:31	39.00	49.0	0.01	3.11
2025-11-30 09:44:32	37.00	44.0	0.00	3.09
2025-11-30 09:34:33	40.00	50.0	0.02	3.09
2025-11-29 18:43:10	43.00	44.0	0.00	3.11
2025-11-29 18:33:10	42.00	53.0	0.00	3.13
2025-11-29 18:23:09	41.00	44.0	0.00	3.11
2025-11-29 18:13:08	43.00	46.0	0.00	3.09
2025-11-29 18:03:07	40.00	53.0	0.02	3.10
2025-11-29 17:53:07	39.00	52.0	0.02	3.10
2025-11-29 17:43:06	34.00	50.0	0.02	3.08
2025-11-29 17:33:05	41.00	45.0	0.03	3.11
2025-11-29 17:23:06	40.00	44.0	0.01	3.08
2025-11-29 17:13:04	37.00	49.0	0.01	3.07
2025-11-29 17:03:04	43.00	45.0	0.02	3.09
2025-11-29 16:53:03	36.00	46.0	0.03	3.11
2025-11-29 16:43:03	42.00	48.0	0.00	3.10
2025-11-29 16:33:01	35.00	52.0	0.00	3.13
2025-11-29 16:23:04	35.00	47.0	0.00	3.08
2025-11-29 16:13:00	34.00	47.0	0.01	3.08
2025-11-29 16:03:00	35.00	46.0	0.00	3.08
2025-11-29 15:53:03	38.00	51.0	0.01	3.12
2025-11-29 15:42:58	41.00	46.0	0.00	3.07
2025-11-29 15:22:57	43.00	46.0	0.00	3.09

2025-11-29 15:12:56	41.00	47.0	0.00	3.08
2025-11-29 15:02:55	36.00	52.0	0.02	3.13
2025-11-29 14:52:56	37.00	44.0	0.01	3.07
2025-11-29 14:42:54	36.00	48.0	0.02	3.08
2025-11-29 14:33:00	41.00	50.0	0.00	3.08
2025-11-29 14:22:53	39.00	50.0	0.01	3.11
2025-11-29 14:12:53	41.00	51.0	0.03	3.09
2025-11-29 14:02:53	38.00	53.0	0.00	3.08
2025-11-29 13:52:50	37.00	50.0	0.00	3.09
2025-11-29 13:42:50	43.00	45.0	0.00	3.10
2025-11-29 13:32:49	35.00	47.0	0.01	3.08
2025-11-29 13:22:48	38.00	47.0	0.01	3.10
2025-11-29 13:12:47	36.00	52.0	0.02	3.11
2025-11-29 13:02:47	38.00	48.0	0.00	3.09
2025-11-29 12:52:46	35.00	47.0	0.02	3.08
2025-11-29 12:42:45	37.00	49.0	0.01	3.08
2025-11-29 12:32:45	34.00	51.0	0.01	3.09
2025-11-29 12:22:44	42.00	50.0	0.02	3.12
2025-11-29 12:02:43	41.00	46.0	0.02	3.07
2025-11-29 11:52:42	41.00	51.0	0.03	3.07
2025-11-29 11:42:41	34.00	52.0	0.02	3.12
2025-11-29 11:32:41	39.00	52.0	0.00	3.10
2025-11-29 11:22:40	42.00	45.0	0.02	3.10
2025-11-29 11:12:40	38.00	44.0	0.00	3.12
2025-11-29 11:02:39	34.00	50.0	0.01	3.11
2025-11-29 10:52:39	34.00	48.0	0.00	3.10
2025-11-29 10:42:38	41.00	45.0	0.01	3.11
2025-11-29 10:32:38	38.00	50.0	0.02	3.09
2025-11-29 10:22:36	35.00	45.0	0.02	3.08
2025-11-29 10:12:39	43.00	48.0	0.01	3.10
2025-11-29 10:02:35	35.00	52.0	0.01	3.13
2025-11-29 09:52:35	37.00	51.0	0.01	3.07
2025-11-29 09:42:34	37.00	45.0	0.00	3.09

2025-11-29 09:32:33	41.00	52.0	0.01	3.09
2025-11-29 09:22:32	34.00	45.0	0.01	3.10
2025-11-29 09:12:31	38.00	53.0	0.01	3.10
2025-11-28 18:01:12	37.00	53.0	0.00	3.08
2025-11-28 17:51:13	41.00	48.0	0.00	3.06
2025-11-28 17:41:09	36.00	51.0	0.00	3.08
2025-11-28 17:31:08	42.00	50.0	0.01	3.12
2025-11-28 17:21:08	38.00	46.0	0.00	3.09
2025-11-28 17:11:07	36.00	50.0	0.00	3.09
2025-11-28 17:01:06	37.00	47.0	0.01	3.07
2025-11-28 16:41:05	42.00	50.0	0.01	3.09
2025-11-28 16:31:04	40.00	50.0	0.01	3.09
2025-11-28 16:21:03	35.00	52.0	0.00	3.13
2025-11-28 16:11:03	38.00	50.0	0.00	3.10
2025-11-28 15:51:01	37.00	46.0	0.01	3.07
2025-11-28 15:41:01	40.00	44.0	0.01	3.09
2025-11-28 15:31:00	37.00	48.0	0.00	3.06
2025-11-28 15:20:59	38.00	49.0	0.00	3.08
2025-11-28 15:10:59	42.00	52.0	0.00	3.12
2025-11-28 15:00:58	42.00	45.0	0.00	3.10
2025-11-28 14:50:58	42.00	48.0	0.01	3.10
2025-11-28 14:40:57	41.00	47.0	0.00	3.10
2025-11-28 14:30:56	35.00	49.0	0.01	3.11
2025-11-28 14:20:55	41.00	53.0	0.01	3.10
2025-11-28 14:10:55	40.00	53.0	0.00	3.08
2025-11-28 14:00:54	43.00	48.0	0.00	3.08
2025-11-28 13:50:53	36.00	49.0	0.00	3.11
2025-11-28 13:40:52	40.00	48.0	0.02	3.07
2025-11-28 13:30:54	42.00	44.0	0.01	3.09
2025-11-28 13:10:51	36.00	50.0	0.01	3.08
2025-11-28 13:00:50	40.00	47.0	0.03	3.08
2025-11-28 12:50:52	43.00	47.0	0.00	3.09
2025-11-28 12:40:49	38.00	50.0	0.00	3.09

2025-11-28 12:30:48	42.00	53.0	0.02	3.10
2025-11-28 12:10:47	34.00	53.0	0.00	3.11
2025-11-28 12:00:46	41.00	53.0	0.01	3.09
2025-11-28 11:50:46	40.00	44.0	0.02	3.09
2025-11-28 11:40:45	36.00	46.0	0.01	3.09
2025-11-28 11:30:44	40.00	50.0	0.01	3.08
2025-11-28 11:20:43	34.00	47.0	0.01	3.09
2025-11-28 11:10:43	40.00	50.0	0.00	3.11
2025-11-28 11:00:41	43.00	50.0	0.01	3.08
2025-11-28 10:50:41	38.00	51.0	0.02	3.10
2025-11-28 10:40:40	35.00	45.0	0.01	3.09
2025-11-28 10:30:40	42.00	52.0	0.00	3.12
2025-11-28 10:20:39	43.00	46.0	0.00	3.10
2025-11-28 10:10:38	36.00	51.0	0.01	3.09
2025-11-28 10:00:37	35.00	50.0	0.00	3.12
2025-11-28 09:50:37	35.00	44.0	0.02	3.07
2025-11-28 09:40:36	39.00	45.0	0.00	3.10
2025-11-28 09:30:36	41.00	51.0	0.00	3.11
2025-11-28 09:20:39	37.00	45.0	0.00	3.10
2025-11-27 17:49:28	36.00	52.0	0.00	3.10
2025-11-27 17:39:28	41.00	45.0	0.00	3.08
2025-11-27 17:29:27	42.00	47.0	0.02	3.08
2025-11-27 17:19:26	41.00	46.0	0.01	3.07
2025-11-27 17:09:25	40.00	45.0	0.01	3.11
2025-11-27 16:59:25	38.00	50.0	0.00	3.09
2025-11-27 16:49:24	41.00	50.0	0.01	3.08
2025-11-27 16:39:23	37.00	52.0	0.02	3.10
2025-11-27 16:23:07	41.00	48.0	0.01	3.10
2025-11-27 16:22:57	41.00	52.0	0.00	3.08
2025-11-07 04:23:05	37.00	51.00	0.00	3.06
2025-11-07 04:08:03	41.00	48.00	0.01	3.09
2025-11-07 03:50:03	34.00	50.00	0.00	3.09
2025-11-07 03:35:02	42.00	50.00	0.01	3.09

2025-11-07 03:17:01	40.00	45.00	0.03	3.12
2025-11-07 03:02:03	43.00	45.00	0.00	3.10
2025-11-07 02:44:01	43.00	48.00	0.02	3.10
2025-11-07 02:29:31	40.00	49.00	0.00	3.08
2025-11-07 02:11:00	43.00	53.00	0.00	3.10
2025-11-07 01:56:00	38.00	47.00	0.01	3.10
2025-11-07 01:37:58	41.00	53.00	0.00	3.07
2025-11-07 01:22:56	42.00	50.00	0.02	3.10
2025-11-07 01:04:56	37.00	51.00	0.00	3.11
2025-11-07 00:49:57	38.00	47.00	0.00	3.10
2025-11-07 00:31:55	35.00	51.00	0.01	3.09
2025-11-07 00:16:55	36.00	46.00	0.01	3.09
2025-11-06 23:58:53	41.00	45.00	0.02	3.08
2025-11-06 23:43:54	40.00	44.00	0.00	3.07
2025-11-06 23:25:58	39.00	48.00	0.02	3.07
2025-11-06 23:10:53	41.00	46.00	0.01	3.10
2025-11-06 22:52:57	37.00	47.00	0.01	3.07
2025-11-06 22:37:51	42.00	53.00	0.01	3.08
2025-11-06 22:19:55	42.00	46.00	0.00	3.09
2025-11-06 22:06:57	38.00	51.00	0.00	3.09
2025-11-06 19:52:45	43.00	52.00	0.02	3.07
2025-11-06 19:34:44	36.00	46.00	0.02	3.10
2025-11-06 19:19:42	42.00	51.00	0.00	3.09
2025-11-06 19:01:42	39.00	48.00	0.00	3.10
2025-11-06 18:46:48	42.00	50.00	0.01	3.07
2025-11-06 18:28:50	34.00	47.00	0.03	3.03
2025-11-06 18:13:41	35.00	49.00	0.00	3.07
2025-11-06 17:54:54	38.00	50.00	0.00	3.06
2025-11-06 17:18:18	36.00	50.00	0.03	3.09
2025-11-06 16:01:35	43.00	45.00	0.01	3.10
2025-11-06 15:43:33	41.00	50.00	0.02	3.12
2025-11-06 15:28:34	39.00	45.00	0.02	3.08
2025-11-06 15:10:33	35.00	48.00	0.01	3.11

2025-11-06 14:55:32	34.00	48.00	0.00	3.09
2025-11-06 14:37:32	42.00	48.00	0.01	3.09
2025-11-06 14:22:33	43.00	50.00	0.01	3.10
2025-11-06 11:19:27	40.00	50.00	0.00	3.10
2025-11-06 11:04:55	42.00	44.00	0.02	3.12
2025-11-06 10:06:53	38.00	49.00	0.00	3.10
2025-11-05 14:16:44	36.00	53.00	0.00	3.10
2025-11-05 12:13:00	37.00	46.00	0.01	3.09
2025-11-05 11:57:29	43.00	50.00	0.00	3.08
2025-11-05 11:39:29	34.00	48.00	0.02	3.10
2025-11-05 11:24:28	41.00	53.00	0.01	3.10
2025-11-05 11:06:25	34.00	52.00	0.00	3.09
2025-11-05 10:51:24	43.00	53.00	0.00	3.09
2025-11-05 10:33:26	36.00	52.00	0.01	3.10
2025-11-05 10:28:03	39.00	47.00	0.03	3.09
2025-11-04 16:57:26	34.00	46.00	0.01	3.05
2025-11-04 15:50:39	43.00	53.00	0.02	3.07
2025-11-04 15:35:41	40.00	44.00	0.02	3.07
2025-11-04 14:13:24	36.00	48.00	0.02	3.07
2025-11-04 12:02:07	40.00	45.00	0.02	3.09
2025-11-04 11:52:26	42.00	49.00	0.02	3.09
2025-11-04 11:26:30	34.00	45.00	0.01	3.09
2025-11-04 11:11:29	34.00	52.00	0.00	3.08
2025-11-04 10:54:25	43.00	46.00	0.01	3.11
2025-11-04 02:23:07	39.00	44.00	0.01	3.12
2025-11-04 02:05:06	42.00	44.00	0.01	3.07
2025-11-04 01:50:06	40.00	50.00	0.00	3.09
2025-11-04 01:32:04	39.00	44.00	0.01	3.09
2025-11-04 01:17:05	35.00	45.00	0.01	3.10
2025-11-04 00:59:03	34.00	53.00	0.02	3.09
2025-11-04 00:44:01	41.00	51.00	0.01	3.07
2025-11-04 00:27:21	37.00	44.00	0.01	3.08
2025-11-03 23:53:25	40.00	44.00	0.01	3.08

2025-11-03 20:19:52	37.00	48.00	0.02	3.09
2025-11-03 20:01:51	39.00	50.00	0.02	3.08
2025-11-03 19:46:51	36.00	50.00	0.00	3.09
2025-11-03 19:28:50	39.00	53.00	0.00	3.06
2025-11-03 19:13:51	37.00	48.00	0.01	3.06
2025-11-03 18:55:49	34.00	48.00	0.04	3.10
2025-11-03 18:40:50	37.00	50.00	0.00	3.11
2025-11-03 14:09:11	40.00	48.00	0.03	3.08
2025-11-03 13:51:09	39.00	48.00	0.00	3.10
2025-11-03 13:36:09	38.00	49.00	0.00	3.09
2025-11-03 13:18:08	39.00	47.00	0.02	3.08
2025-11-03 13:03:08	36.00	48.00	0.00	3.09
2025-11-03 12:45:09	38.00	44.00	0.00	3.08
2025-11-03 12:30:09	37.00	47.00	0.02	3.08
2025-11-03 11:31:47	38.00	50.00	0.00	3.11
2025-11-03 10:03:32	36.00	46.00	0.00	3.09
2025-11-03 10:03:04	43.00	46.00	0.01	3.13
2025-11-03 09:30:32	43.00	51.00	0.00	3.12
2025-11-03 09:15:33	40.00	50.00	0.00	3.07
2025-11-03 08:57:31	42.00	51.00	0.02	3.09
2025-11-03 08:42:31	41.00	51.00	0.00	3.10
2025-11-03 04:56:05	36.00	46.00	0.01	3.10
2025-11-03 01:48:11	36.00	51.00	0.01	3.08
2025-11-03 01:33:17	34.00	46.00	0.00	3.11
2025-11-03 01:15:11	43.00	51.00	0.00	3.10
2025-11-03 01:00:11	41.00	49.00	0.00	3.10
2025-11-03 00:42:10	36.00	50.00	0.00	3.10
2025-11-03 00:27:10	37.00	53.00	0.01	3.07
2025-11-03 00:09:09	34.00	53.00	0.00	3.10
2025-11-02 23:54:28	41.00	44.00	0.00	3.08
2025-11-02 10:50:28	38.00	45.00	0.00	3.07
2025-11-02 10:43:51	38.00	45.00	0.00	3.07
2025-11-02 09:51:55	38.00	45.00	0.00	3.06

2025-11-02 09:36:55	43.00	44.00	0.01	3.10
2025-11-02 09:19:54	35.00	52.00	0.00	3.11
2025-11-02 09:14:56	41.00	53.00	0.02	3.12
2025-11-01 20:25:45	40.00	52.00	0.01	3.08
2025-11-01 19:52:06	36.00	44.00	0.01	3.09
2025-11-01 19:19:13	38.00	51.00	0.00	3.11
2025-11-01 17:39:17	42.00	46.00	0.02	3.08
2025-11-01 17:21:17	36.00	47.00	0.01	3.10
2025-11-01 17:06:19	35.00	50.00	0.02	3.13
2025-11-01 16:48:19	43.00	50.00	0.02	3.09
2025-11-01 16:34:11	41.00	45.00	0.01	3.11
2025-11-01 16:05:20	43.00	53.00	0.01	3.09

AIC IRON INDUSTRIES PVT. LTD.

CEMS_ENE01963_01_Dec_25_AAQ_DATA

Annexure-VI

Date Time	SOx	Suspended Particula	
	PPM	PPM	mg/Nm3
2025-11-30 23:57:04	20	20	23.00
2025-11-30 23:54:04	18	19	22.00
2025-11-30 23:51:54	29	21	25.00
2025-11-30 23:48:55	22	22	17.00
2025-11-30 23:45:01	26	25	17.00
2025-11-30 23:42:27	19	29	28.00
2025-11-30 23:39:49	15	23	25.00
2025-11-30 23:36:51	25	20	23.00
2025-11-30 23:32:59	18	18	24.00
2025-11-30 23:31:33	17	22	24.00
2025-11-30 23:27:55	29	29	20.00
2025-11-30 23:21:49	23	25	24.00
2025-11-30 23:18:47	18	27	29.00
2025-11-30 23:15:49	28	25	20.00
2025-11-30 23:12:49	23	20	29.00
2025-11-30 23:10:27	28	26	21.00
2025-11-30 23:06:44	17	23	24.00
2025-11-30 23:03:50	27	21	26.00
2025-11-30 23:00:43	26	29	27.00
2025-11-30 22:57:43	24	29	18.00
2025-11-30 22:54:42	28	28	26.00
2025-11-30 22:51:08	21	25	20.00
2025-11-30 22:47:47	23	22	20.00
2025-11-30 22:45:40	28	22	25.00
2025-11-30 22:42:41	15	22	26.00
2025-11-30 22:38:50	25	26	22.00
2025-11-30 22:36:06	26	27	19.00
2025-11-30 22:32:55	23	24	22.00

2025-11-29 11:58:15	15	25	18.00
2025-11-29 11:54:56	19	26	19.00
2025-11-29 11:51:57	23	29	28.00
2025-11-29 11:48:57	25	21	23.00
2025-11-29 11:45:55	29	24	26.00
2025-11-29 11:42:55	15	28	27.00
2025-11-29 11:39:55	19	26	17.00
2025-11-29 11:36:54	20	22	25.00
2025-11-29 11:33:51	18	20	19.00
2025-11-29 11:30:51	24	23	20.00
2025-11-29 11:27:49	26	27	17.00
2025-11-29 11:24:59	22	27	25.00
2025-11-29 11:21:48	22	18	26.00
2025-11-29 11:18:51	26	19	19.00
2025-11-29 11:15:47	21	25	25.00
2025-11-29 11:12:51	28	23	21.00
2025-11-29 11:09:48	25	19	17.00
2025-11-29 11:06:52	21	23	20.00
2025-11-29 11:04:28	24	28	20.00
2025-11-29 11:00:53	22	21	24.00
2025-11-29 10:57:48	24	28	19.00
2025-11-29 10:54:44	23	18	24.00
2025-11-29 10:51:48	15	28	29.00
2025-11-29 10:49:01	15	20	17.00
2025-11-29 10:46:38	23	23	26.00
2025-11-29 10:40:35	23	28	20.00
2025-11-29 10:38:14	24	29	24.00
2025-11-29 10:33:45	27	29	19.00
2025-11-29 10:31:31	22	22	23.00
2025-11-29 10:27:38	20	25	29.00
2025-11-29 10:25:30	25	25	20.00
2025-11-29 10:22:30	20	29	19.00
2025-11-29 10:19:06	27	20	25.00

2025-11-28 10:29:32	26	25	17.00
2025-11-28 10:26:33	27	20	27.00
2025-11-28 10:20:29	23	25	27.00
2025-11-28 10:17:38	23	24	24.00
2025-11-28 10:14:39	28	26	24.00
2025-11-28 10:11:24	27	26	27.00
2025-11-28 10:08:25	25	28	20.00
2025-11-28 10:05:24	26	26	24.00
2025-11-28 10:02:23	24	29	19.00
2025-11-28 09:59:21	23	25	22.00
2025-11-28 09:56:22	18	25	18.00
2025-11-28 09:53:21	23	21	28.00
2025-11-28 09:50:20	28	27	21.00
2025-11-28 09:47:20	21	26	27.00
2025-11-28 09:44:20	23	21	24.00
2025-11-28 09:41:21	25	26	18.00
2025-11-28 09:38:19	16	27	28.00
2025-11-28 09:34:45	27	25	29.00
2025-11-28 09:32:16	22	22	25.00
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2025-11-04 12:15:50	15	22	20.00
2025-11-04 12:13:04	19	25	19.00
2025-11-04 12:09:52	20	23	25.00
2025-11-04 12:06:54	22	21	28.00
2025-11-04 12:04:34	22	25	22.00
2025-11-04 12:00:53	27	20	18.00
2025-11-04 11:58:49	15	21	25.00
2025-11-04 11:54:48	21	26	19.00
2025-11-04 11:53:00	19	25	26.00
2025-11-04 11:49:13	19	22	21.00
2025-11-04 11:46:45	21	28	26.00
2025-11-04 11:44:06	18	20	17.00
2025-11-04 11:40:49	17	23	24.00
2025-11-04 11:38:10	18	18	18.00
2025-11-04 11:33:49	19	18	19.00
2025-11-04 11:31:51	24	29	19.00
2025-11-04 11:28:12	22	26	27.00
2025-11-04 11:07:28	28	22	27.00
2025-11-04 11:03:45	26	26	19.00
2025-11-04 11:01:28	24	28	29.00

2025-11-01 02:07:51	16	22	17.00
2025-11-01 02:04:52	25	20	27.00
2025-11-01 02:01:52	16	26	28.00
2025-11-01 01:58:51	21	25	26.00
2025-11-01 01:56:09	27	21	29.00
2025-11-01 01:52:50	18	22	17.00
2025-11-01 01:49:48	20	26	24.00
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2025-11-01 01:17:34	16	18	28.00
2025-11-01 01:13:51	23	20	23.00
2025-11-01 01:11:22	17	24	21.00
2025-11-01 01:07:40	27	19	20.00
2025-11-01 01:04:45	25	23	27.00
2025-11-01 01:02:05	17	20	28.00
2025-11-01 00:59:30	19	18	22.00
2025-11-01 00:55:55	20	29	17.00
2025-11-01 00:52:36	21	25	28.00
2025-11-01 00:49:53	19	24	21.00
2025-11-01 00:46:34	21	28	27.00
2025-11-01 00:44:27	27	26	19.00
2025-11-01 00:40:35	27	27	17.00
2025-11-01 00:38:25	24	26	28.00
2025-11-01 00:34:51	28	23	18.00
2025-11-01 00:32:24	28	18	23.00

Annexure - VII

HAZARD IDENTIFICATION AND RISK ASSESSMENT (HIRA)

ADUKIA INDUSTRIES

M/S AIC IRON INDUSTRIES PVT. LTD.

VILLAGE: BENIPUR, P.O.: SALTOR, P.S.: NETURIA,
DIST: PURULIA, WEST BENGAL

PREPARED BY:

Envirotech East (P) Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company
Laboratory Accredited by NABL, as per ISO/IEC 17025:2017
Laboratory Recognized by WBPCB
Accredited EIA Consultant by QCI-NABET
100, Kalikapur, Madurdaha, Kolkata – 700 107, West Bengal, India
☎ – + 91 33 2443 8127/8128 ; + 91 33 4063 5011
E-mail : eeplkol@gmail.com

HAZARD IDENTIFICATION AND RISK ASSESSMENT (HIRA)

Hazard is a source or situation that has the potential for harm in terms of ill health, human injury, damage to property or the environment, or a combination of these factors. It has got both short and or longterm effect on the work environment with considerable human and economic costs. A hazard may have a potential to create an emergency like situation at the work place. Hazard is a potential cause to lead to a disaster.

Hazards exist almost in every workplace in different forms and required to be identified, analyzed / assessed and controlled regarding the work processes, plant or substances. They arise from (i) workplace environment, (ii) use of plant and equipment (iii) use of substances & materials, (iv) poor work or plant design, (v) improper management systems and work procedures, and (vi) human behaviour.

Steel plants have several hazardous processes and operations which can cause considerable environmental, health and safety risk to the workforce. All the hazards cause potential risk to the work environment which include work force and work place and hence need proper assessment.

M/s AIC Iron Industries Private Limited has decided to expand its activity by installation of 1x400 TPD DRI Kiln, Steel Melting Shop for total production of 2,60,500 TPA Billets, 0.192 MTPA Rolling Mill along with 20 MW capacity Captive Power Plant (10 MW WHRB based & 10 MW AFBC based, utilizing waste heat & dolochar from proposed Sponge Iron Plant) within its existing plant premises at village: Benipur, P.O.: Saltor, P.S.: Neturia, Dist: Purulia in West Bengal.

The proposed plant has lower risk potential than those industries which deal with toxic and flammable chemicals. Off-site people are not exposed to any threat; hence the societal risk is insignificant.

This is an early check of major hazards, which are of risk potential - including the potential for disastrous interactions of the various plant operational activities. This checklist, though not strictly speaking a Hazard and Operability Study (HAZOP) would considerably facilitate a full-scale HAZOP Study for final drawing up of risk management measures when the 'design-freeze' stage commences. The identification of hazards anticipation for the proposed project activities are presented below in **Table-1.1**.

TABLE-1.1
HAZARD IDENTIFICATION OF THE PROJECT

Item	Nature of Hazard	Hazard Potential
Raw Material Handling:		
Iron Ore Fines, Dolomite, Ferro-Alloys, etc.	Dust	Minor
Coal (Non-coking)	Heat, Fire & Dust	Moderate
HSD/ Lube Oils / Greases	Heat & Fire	Major
Production Units:		
Sponge Iron Plant	Fire, Heat & Dust	Moderate
Steel Making Facilities : Induction Furnaces	Heat & Fire by Hot Metal & Slag Handling	Major
Hot Rolling Mill	Heat	Moderate
Captive Power Plant	Fire, Heat & Dust	Moderate
Utilities :		
Fuel (Gas / Liquid)	Heat & Fire	Major
Electric Power Supply	Heat & Fire	Minor

The Brief about nature of various Hazards in M/s AIC Iron Industries is given below,

Brief of Nature of Hazard in the Project

NATURE OF HAZARD	SOURCES
Fire Hazard	Hot Liquid metal Fire in HSD storage
Explosion Hazard	DRI Waste gas.
Fire / Explosions due to Spillage of Liquid Steel	Spillage / Transfer of liquid steel and hot slag.
Heat Radiations due to Hot Metal Handling	Spillage of liquid steel and hot slag
Accidents due to Material Handling Equipment	Connected with all Material Handling Equipment

(a) <u>Splashing of molten metal & solid waste</u> : Sudden break out of molten metal and slag have been known to take place during furnace operation. The break out may take place from weak portions of the hearth. The spillage of hot metal or slag can lead to severe burn injuries and fires. Explosions may also happen as a result of hot metal or slag falling in a pool of water resulting in human injuries and fire due to flying hot splinters and splashing of hot metal or slag. The spillage of hot metal can also take place be due to hearth breakage, mould breakage and during transportation. The accidents can also occur due

to failure of water-cooled panels, puncture in water-cooled lances, leakage of water from the walls of mould. Through checks in regular intervals and proper upkeep of furnace refractory and cooling panels, such incidents can be avoided.

The consequences may result in death (in extreme case), severe burn and mechanical injury and will be limited to working personnel near the site of incident.

(b) Dust and fumes: Dust and fumes will be generated at many points in the steel plant.

Silica exposure is a risk to workers engaged in lining, relining and repairing of induction furnaces and vessels with refractory materials. Ladles are lined with fire-brick or bonded crushed silica and this lining requires regular repair. The silica contained in the refractory materials (is partly in the form of silicates), which do not cause silicosis but rather pneumoconiosis. The Workers are seldom exposed to heavy clouds of dust.

Additions of alloy to furnaces for making special steels sometimes bring potential exposure risks from chromium, manganese, lead and cadmium.

(c) Rolling Mill: Severe injuries may occur in hot rolling, if workers try to cross roller conveyors at unauthorized points. Looping and lashing may cause extensive injuries & burns, or even severing of lower limbs. The use of bulk quantities of oils, rust inhibitors and so on, which are generally applied by spraying, is another hazard commonly take place in rolling mill. Inspite of taking the protective measures to confine the sprayed products, they often collect on the floor and on communication ways, where they may cause slips and falls.

Accidents may also occur in automated works during changing heavy rollers in the stands.

Tongs used in gripping of hot material may knock together; the square spanners used to move heavy rolled sections by hand may cause severe injuries to the head or upper torso by backlash. Many accidents may be caused by faulty lifting and handling and by faults in cranes and lifting tackle. Many accidents are caused through trips and stumbles or badly maintained floors, by badly stacked material, by protruding billet ends and cribbing rolls and so on.

In hot rolling, burns and eye injuries may occur by flying mill scale; splash guards can effectively reduce the ejection of scale and hot water. Eye injuries may take place by dust particles or by whipping of cable slings; eyes may also be affected by glare.

Considerable noise develops in the entire rolling zone viz., from the gearbox of the rolls and straightening machines, from pressure water pumps, from shears and saws, from throwing finished products into a pit and from stopping movements of the material with metal plates.

Cleaning of the finished products with high-speed percussion tools may lead to arthritic changes of the elbows, shoulders, collarbone, radius joint and distal ulna, as well as lesions of the navicular and lunatum bone.

APPROACH TO THE STUDY

Risk involves the occurrence or potential occurrence of some accidents consisting of an event or sequence of events. The risk assessment study covers the following:

1. Identification of potential hazard areas;
2. Identification of representative failure cases;
3. Assess the overall damage potential of the identified hazardous events and the impact zones from the accidental scenarios;
4. Assess overall suitability of the site from hazard minimization and disaster mitigation point of views;
5. Provide specific recommendations on the minimization of the worst accident possibilities; and
6. Preparation of elaborated Disaster Management Plan (DMP), on-site & off-site emergency plan, which includes occupational and health safety plan.

HAZARD ASSESSMENT AND EVALUATION

METHODOLOGY

The hazards expected from this plant include the pool fire situation due to the leakage of HSD storage tanks. There will be total 2 nos. of storage tanks, 2X25 KL for HSD. The tanks (made of mild steel), will be provided with dyke. The worst case can be assumed when the entire content leak out into the dyke forming a pool, which may catch fire after getting source of ignition.

HSD STORAGE TANKS - POOL FIRE SCENARIO:

The maximum quantity of HSD stored at site are 50 KL capacity. In the event of oil spillage through a small leakage, fire will occur after getting ignition source. As the tanks are provided with dyke, the fire will be limited within the dyke. The threshold limit for first degree burns is 4.5 kw/m^2. Based on these results it can be concluded that the vulnerable zone in which the thermal fluxes higher than the threshold limit for first degree burns (4.5 kw/m^2) is restricted to 2.26 m.

The hazard distances for various radiation intensities are shown in **Table 1.2.**

TABLE-1.2
HAZARD DISTANCES DUE TO HSD TANK ON FIRE
(HSD Tank: 2x25 KL)

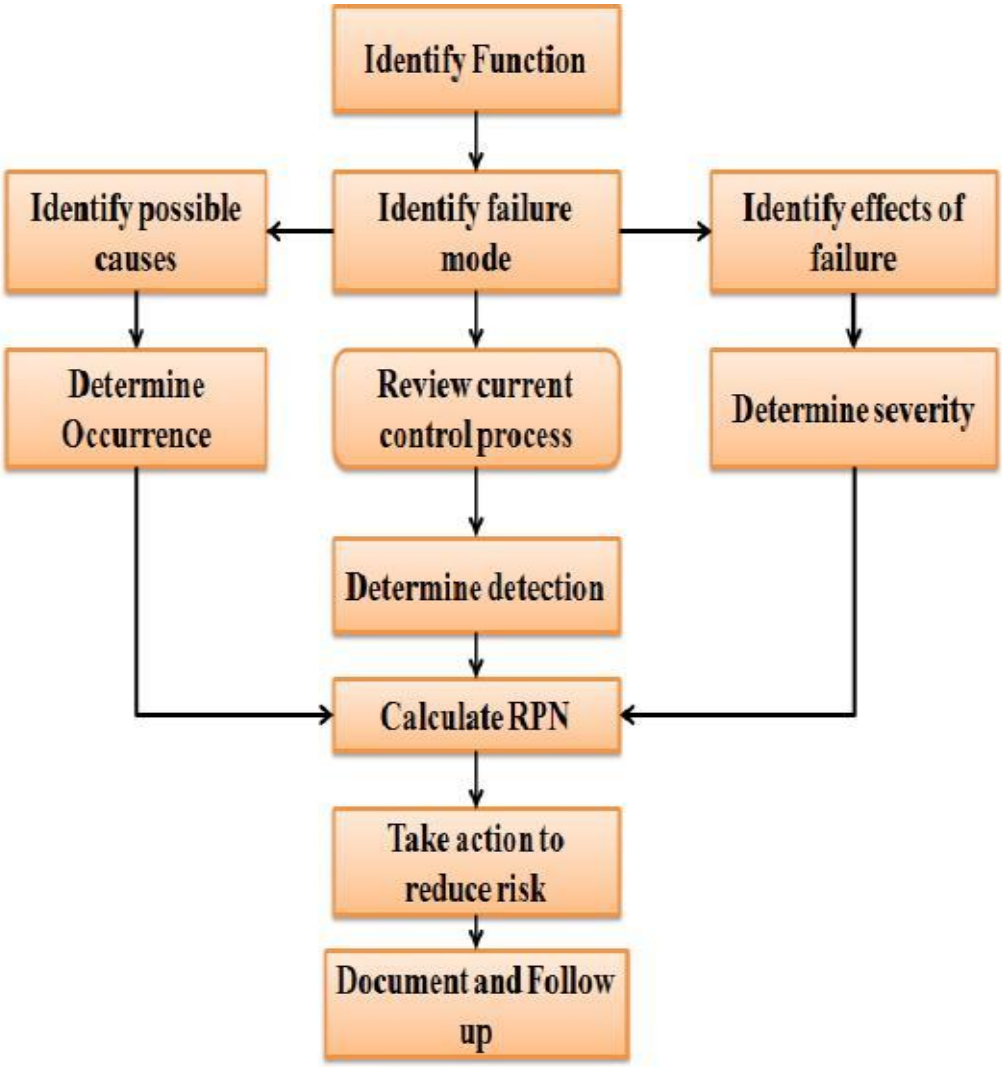
Thermal Radiation Intensity (in kW/m^2)	Damage to People	Hazard Distances (in m)
37.5	100% lethality	0.71
25.0	50% lethality	0.92
12.5	1% lethality	1.53
4.5	1st degree burns	2.26

The hazard distances for Thermal radiation are confined only to the plant premises. Hence, there will not be any thermal radiation impact on outside population due to the pool fire scenario.

FAILURE MODE EFFECT ANALYSIS FOR PROCESS UNITS

Failure mode effects analysis (FMEA) is one of the most important and widely used tools for reliability analysis. FMEA identifies corrective actions, which are required to reduce failures to assure the highest possible yield safety and reliability. Even though it is a widely used reliability technique, it has some limitations in prioritizing the failure modes and output may be large for even simple systems, which may not deal easily with time sequence, environmental and maintenance components.

Figure – 1.1: Steps in FMEA



RISK PRIORITY NUMBER

Risk priority number (RPN) methodology is a technique for analysing the risk associated with potential failures during a FMEA analysis. To calculate risk priority number, severity, occurrence and detection are the three factors, which need to be determined.

RPN = (Severity × Occurrence × Detection)

SEVERITY (S)

Severity is the seriousness of the effect of potential failure modes. Severity rating with the higher number represents the higher seriousness or risk which could cause death.

Table-1.3: Example Table of Severity

Rating	Detection	Detection by design control
10	Absolute uncertainty	Design control cannot detect failure mode
9	Very remote	Very remote chance the design control detect failure mode
8	Remote	Remote chance the design control detect failure mode
7	Very low	Very low chance the design control detect failure mode
6	Low	Low chance the design control detect failure mode
5	Moderate	Moderate chance the design control detect failure mode
4	Moderately high	Moderately high chance the design control detect failure mode
3	High	High chance the design control detect failure mode
2	Very high	Very high chance the design control detect failure mode
1	Almost certain	Design will control detect failure mode

OCCURRENCE (O)

Occurrence ratings for FMEA are based on the likelihood that a cause may occur based on past failures and performances of the similar system in the similar activity. Occurrence values should contain data to provide justification.

Table – 1.4 : Example table of Occurrence

Rating	Classification	Example
10 **9**	Very High	Inevitable failures
8 **7**	High	Repeated failures
6 **5**	Moderate	Occasional failures
4 **3**	Low remote	Few failures
2 **1**	Remote	Failures unlikely

DETECTION (D)

Detection is an assessment of the likelihood that the current controls will detect the cause of failure mode.

Table – 7.5: Example Table of Detection

Ranking	Effect	Severity effect
10	Hazardous without warning	Very high severity without warning
9	Hazardous with warning	Very high severity with warning
8	Very high	Destructive failure without safety
7	High	System inoperable equipment damage
6	Moderate	System inoperable with minor damage
5	Low	System inoperable without damage
4	Very low	Degradation of performance
3	Minor	System operable with some degradation in performance
2	Very minor	System operable with minimal interference
1	None	No effect

FMEA IMPLEMENTATION

Failure mode effect analysis is executed by a multidisciplinary team of experts with the help of process flow chart. Criteria of ranking of severity, occurrence and detection are selected based on the past failure records of the furnace. Risk priority number (RPN) is calculated using values of severity, occurrence and detection number.

TABLE - 1.6
RPN for DRI, SMS, Hot Rolling Mill and CPP with Propose Control Measures

Components/ Process	Failure Mode	Failure Effect	Failure Cause	Existing Control	S	O	D	RPN	Additional Control
Sponge Iron Plant									
Conveyor feed belt to DRI	Friction	Corrosion	Improper Maintenance	Belt Sway Switch	7	3	2	42	Lubricating the rotating parts regularly
Reducing Gas injection	Pipeline rupture	Process Failure in DRI Kiln	Over Pressure	Line Inspection	7	3	3	63	Regular inspection and Periodic maintenance
Cooler Discharged Gas	Pipeline rupture	Failure in After Burning Chamber	Excess Pressure	Line Inspection	6	3	3	54	Regular inspection and Periodic maintenance
Mag Pulley	Mechanical Failure	Waste Conveying System Failure	Improper Monitoring	Inspection	5	3	2	30	Periodic Maintenance
Conveyor Belt to storage Bins	Friction	Waste Storage System Failure	Improper Maintenance	Belt Sway Switch	7	2	2	28	Lubricating the rotating parts regularly
Steel Melting Shop - Induction Furnaces									
Flow monitoring switch	Failure to operate	Rupture in Current Flow	Switch broken	Reliable Supplier	6	2	3	36	Regular Inspection
DC Choke	Failure to operate	Rise of current to dangerous level	Electric Failure	Reliable Supplier	7	3	2	42	Regular Inspection
DM Water circulating unit	Failure to circulate de ionized water	Excessive Heat generation in solid state power supply unit	Electric Failure	Inspection	4	3	3	36	Regular inspection and Periodic maintenance
Direction Control Valve	Failure to operate	furnace tilting control failure	Corrosion	Reliable Supplier	8	2	2	32	Periodic Maintenance

Furnace lamination packet	Electric/ magnetic failure	Failure to provide a return path to the flux	Overheating of the structure	Inspection	7	3	2	42	Regular inspection and Periodic maintenance
Flow regulating valves in furnace	Failed to Operate	Excessive Temperature	Improper Maintenance	Indicator	6	3	3	54	Periodic Maintenance
Hot metal lifting by crane	Rope breakage	Hot Metal ladle down	Overloading	Safe working load are marked	7	3	3	63	interlocks with alarm
Hot metal transfer by trolley	Mechanical Failure (Gearbox, Axial, Wheel)	Spillage of hot metal	Improper Maintenance	ROW (3 m) marked, cover ladle, loading within Granted permissible limit	9	3	2	54	Regular inspection and Periodic maintenance
SMS - Continuous Casting Machine									
Ladle car	Friction	Fire	Improper Maintenance	Belt Sway Switch	8	2	3	48	Lubricating the rotating parts regularly
Stopper	Mechanical Failure	Fire & Explosion	Improper Maintenance	Indicator	7	2	3	42	Regular Inspection
Tundish	Failed to Operate	Spillage of Hot liquid metal	Mechanical Failure	Line inspection	7	2	2	28	Regular inspection and Periodic maintenance
Hot Rolling Mill									
Conveyor rollers to feed	Friction	Fire	Improper Maintenance	Belt Sway Switch	8	2	2	32	Lubricating the rotating parts regularly
Water cooling pump	Pump failure	Explosion	No power supply	Redundant power supply	10	3	2	60	Check the fuel level of diesel generator
Dolochar & Coal Mix based CPP									
Boiler	Corrosion Effect	Cooling of tube increases temperature	Creep Failure	Line inspection	6	3	3	54	Regular inspection
Boiler	Tube Alignment & Setting	Deformation of vibration Arrestor	Vibration increases	Inspection	6	2	4	48	Periodic Maintenance
Turbine/Steam Generator	Temp. of Super Heater & Reheater	Failure of turbine blades	Changing the plant load	Line inspection	5	2	6	60	Periodic Maintenance
water Tank	Water Level of Drum	Excess Steam Pressure	Failure of Indicators	Monitor	6	3	3	54	Regular inspection

RESULT OF FEMA FOR PROCESS UNIT

The hot metal from Induction Furnaces is transported by crane / trolley which carry moderate risk priority number. This is well equipped with the interlocking facility with alarm in case of any overloading. Moreover, proper marking with ROW of 3 m is already in place along with all safe guards to ensure the absence of water throughout the hot metal transfer route.

RISK REDUCTION OPPORTUNITIES

The following opportunities will be considered as a potential means of reducing identified risks during the detailed design phase:

- Safety organization is of prime importance in the iron and steel industry, where safety depends so much on workers' reaction to potential hazards. The first responsibility for management is to provide the safest possible physical conditions, Accident-prevention committees, workers' safety delegates, safety incentives, competitions, suggestion schemes, slogans and warning notices can all play an important part in safety programmes.

- Provision for adequate water capacity to supply fire protection systems and critical process water;

- Isolate people from load carrying/mechanical handling systems, vehicle traffic and storage and stacking locations;

- Installation of fit-for-purpose access ways and fall protection systems to facilitate safe access to fixed and mobile plant;

- Provision and integrity of process tanks, waste holding tanks and bunded areas as per relevant standards;

- Arrange display signs for material strictly prohibited inside any work premises like inflammable materials, firearms, weapons & ammunitions, etc.

- Developing 'Dos' & 'Don'ts' during various types of works like working at heights etc.

- Ensure that emergency control mechanisms like switch, valve and emergency lamp are covered with shield, water & shock resistance cover during rain etc. and peddle switch for bigger rotating machinery mixer etc. There should be no temporary cable joints and open air working switch yard at enriched level.

- In addition to the yard fire hydrant system, each individual shop would be provided with fire and smoke detection alarm system.

Fire detection system would be interlocked with automated water sprinklers.

- Security of facility to prevent unauthorized access to plant, introduction of prohibited items, and control of onsite traffic; and

- Development of emergency response management systems commensurate.

- Overall, an integrated approach combining good engineering and maintenance practices, safe job procedures, worker training and use of personal protective equipment (PPE) is required to control hazards.

DISASTER MANAGEMENT PLAN (DMP)

A disaster is an unforeseen combination of circumstances that causes serious body injuries loss of life or extensive damage to the plant facilities or total.

Disaster is an undesirable occurrence of events of such magnitude and nature that adversely affect production, cause loss of human lives and property as well as damage to the environment. Industrial installations are vulnerable to various kinds of natural and manmade disasters. Examples of natural disasters are flood, cyclone, earthquake, lightning etc. and manmade disasters are like major fire, explosion, sudden heavy leakage of toxic/poisonous gases, civil war, nuclear attacks, terrorist activities etc. It is impossible to forecast the time and nature of disaster which might strike an undertaking. However, an effective disaster management plan helps to minimize the losses in terms of human lives, plant assets and environmental damage and then resumes working condition as soon as possible. Risk analysis forms an integral part of disaster management plan and any realistic disaster management plan can only be made after proper risk analysis study of the activities and the facilities provided in the installation. Correct assessment and evaluation of the potential hazards, advance meticulous planning for prevention and control, training of personnel, mock drills and liaison with outside services available can minimize losses to the plant assets, rapidly contain the damage effects and effectively rehabilitate the damage areas.

Anyone or more of the following uncontrollable factors may cause disaster:

1. Reduction or failure of cooling water
2. Failure of Power
3. Rupture or damage of the line, vessel or tank
4. Excessive leakage of inflammable or corrosive or toxic material
5. Cyclone
6. Earthquake
7. Fine or explosion
8. Sabotage
9. Riot,
10. Air Raid

The Disaster Management Plan of the company is divided into two parts:

(i) Onsite Emergency Plan

In this plan, the company officers are given pre-designated responsibilities for dealing with the emergency.

(ii) Offsite Emergency Plan

In this, different Govt. agencies will be conformed about the emergency for necessary help from them.

OBJECTIVE OF DISASTER MANAGEMENT PLAN

The objective of Disaster Management Plan is to ensure safety of life, protection of environment, protection of installation and restoration of production.

For effective implementation of the disaster management plan, it will be widely circulated and personnel training given through rehearsals/drills. The disaster management plan would reflect the probable, consequential severities of the undesired event due to deteriorating conditions.

To tackle the consequences of a major emergency inside the factory or immediate vicinity of the factory, a disaster management plan has to be formulated and this planned emergency document is called “Disaster Management Plan”.

The objective of the industrial disaster management plan is to make use of the combined resources of the plant and the outside services to achieve the following:

- Proper training should be provided to ensure safe operation of the crane for hot metal transfer. There should be proper

communication and use of standard hand signals between crane drivers and slingers to prevent injuries from unexpected crane movement / spillage of hot metal

- Ensuring proper safe guard by providing rail guards with inter locks in all those areas where hot metal transfer takes place.
- Inspection and maintenance programs for crane parts, ropes, lifting tackle, hooks to prevent dropped loads.
- Safe means of access to cranes to avoid falls and accidents on crane transverse ways.
- Regular maintenance shall be ensured for Mechanical parts of trolleys like Gearbox, Axial & Wheels to avoid any spillage of hot metal during transportation.
- Proper training should be imparted to the workers, which should include information about hazards, safe methods of work, avoidance of risks and the wearing of PPE.
- Furnace operators should be protected by enclosing the source of noise by providing sound proof shelters. Reducing exposure time may also prove effective. Hearing protectors (earmuffs or earplugs) are often required in high-noise areas.
- All dangerous parts of machinery and equipment, including lifts, conveyors, long travel shafts and gearing on overhead cranes, should be securely guarded.
- Proper ventilation should be provided throughout the plant wherever substantial quantity of dust, fumes and gas are generated, together with the highest standards of cleanliness and housekeeping.
- Gas equipment must be regularly inspected to prevent any gas leakage. Whenever any work is to be done in an environment likely to contain gas, carbon monoxide gas detectors should be used to ensure safety. When work in a dangerous area is unavoidable, self-contained or supplied-air respirators should be worn. Breathing-air cylinders should always be kept in readiness.
- Heat protection should be provided between workers and radiant heat sources, such as furnaces or hot metal.

ON-SITE EMERGENCY PLAN

A. The disaster control procedure lays down the efforts to be made to prevent fatal accidents, physical harm or injury to personnel and damage to equipment facilities materials. It requires coordinated efforts of all employees to control and eliminate a disastrous situation.

B. All efforts to control a disaster will be coordinated among the various co-ordinators and all actions, taken will be as directed by the chief co-ordinator. The co-ordinating members will be

responsible to keep him posted on the development and course of action will be followed by them [refer **Annexure- 13 (ii)**.]

FACILITIES TO BE AVAILABLE WITHIN THE FACTORY

a) **Fire Fighting Facility**
The entire factory will be protected with fire extinguishing system from outside and inside the shop floor.

b) **Material Handling**
Heavy duty cranes including mobile cranes, fork lifts, trucks, trolleys will be used in the plant. The same could be used at time of emergency for handling the material.

c) **Personnel Protective Equipment**
Safety shoe, safety helmets, safety goggles, asbestos hand gloves, rubber hand gloves, acid proof aprons, earplugs, aprons, leg guards etc. will be made available in the Central store of the plant. At the time of emergency, the same can be made easily available by safety coordinator.

d) **Medical Facility**
The Plant will have the required emergency medical facilities and health check-up for the workers will be done regularly by the visiting Doctors. In case of major accident, persons will be referred to nearest Hospital/Primary Health Centre.

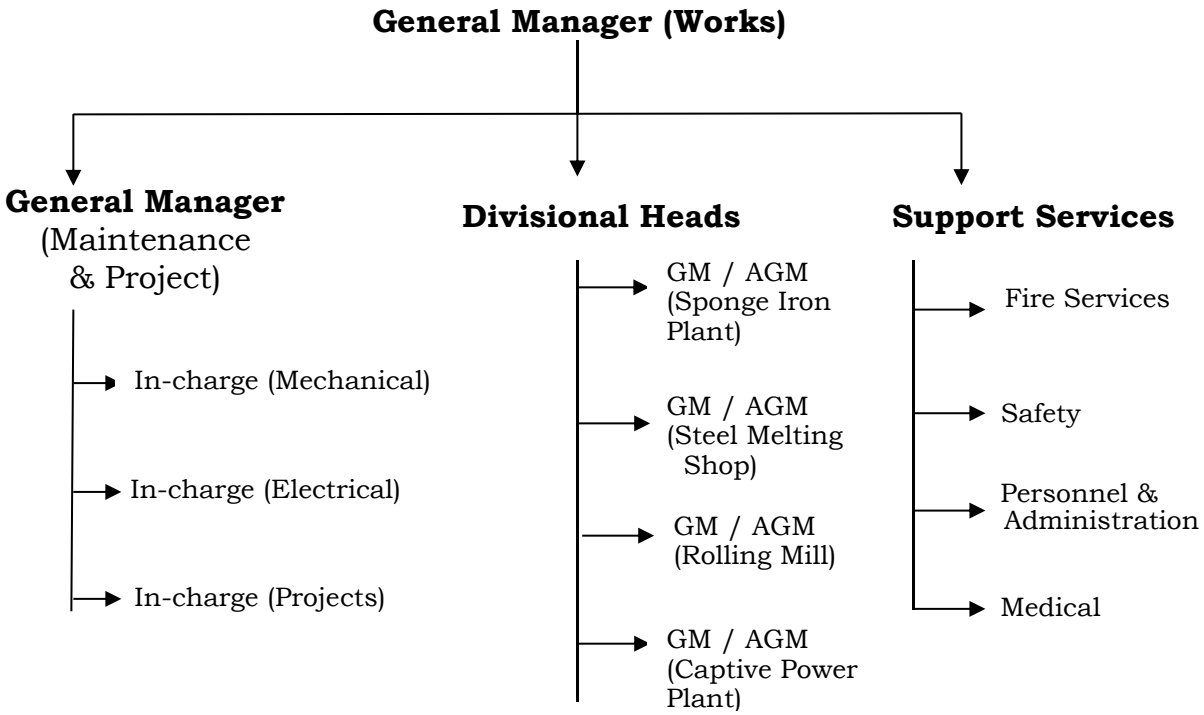
OBJECTIVES
The objective of the On-site Emergency Plan will be to make maximum use of both the internal as well as the external resources:

- For rescue and treatment of casualties and safeguard personnel in the premises.
- To minimize damage to property and environment.
- To initially contain and ultimately bring the incident under control.
- To ensure safe rehabilitation of affected areas.
- To provide authoritative information to the news media.
- To preserve relevant records and equipment for the subsequent inquiry into the cause and circumstances of emergency.

KEY PERSONNEL AND RESPONSIBILITIES
The actions necessary in an emergency will clearly depend upon the surrounding circumstances. Nevertheless, it is imperative that the required actions will be initiated and directed by nominated people, each having specified responsibilities as part of coordinated plan. Such nominated personnel will be known as Key Personnel.

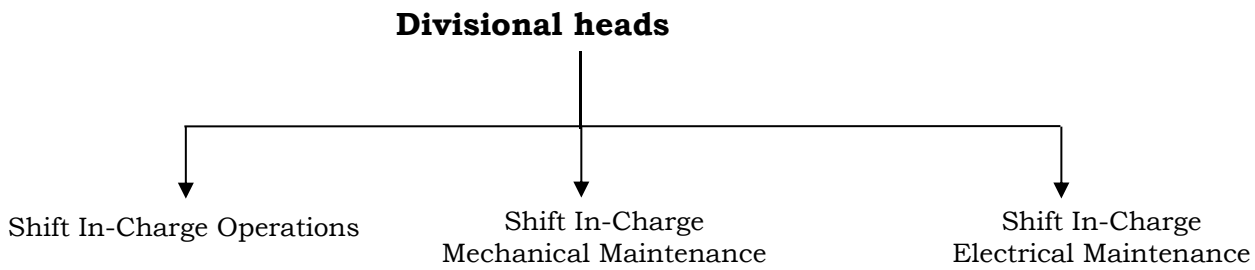
ORGANIZATION

The Central Disaster Management Cell (DMC) will be set up under the direct charge of General Manager (Works). Organizational structure is as below:



General Manager (Works) will be empowered to declare emergency and he would be in charge of all operations in such situations. He will be supported by GM (Maintenance & Projects), Divisional Heads of respective all Plants, Security and Fire Fighting, Administration, Medical Officer, In-charge Safety and In-charge Environment in handling such a situation.

Disaster Control Cell will operate from the administrative block during emergency. There will be shop level Disaster management cell in each division. Divisional heads will be nominated as controllers for their respective divisions. They will support central team as required. Organizational structure is as below:



OFF SITE EMERGENCY PLAN

Type of emergency facilities/actions required from outside bodies:

a) Fire-fighting facilities required: Factory will have its own fire-fighting facilities but during emergency, fire brigade can also be called.

b) During emergency help of Police will be required for evacuation of the people. Moreover, traffic control, security arrangements etc. shall be made available.

c) Medical help required: seriously injured personnel may be referred to the Hospital/Primary Health Centre depending upon the gravity and type of injuries.

d) List of Key persons of Off- Site Emergency Plan has been given in **Annexure – 13 (iii)**

ANNEXURE– 13 (i)

CHEMICAL DATA SHEET

The factory will have only fire hazardous chemicals as shown below:

Fire Hazardous Chemicals	Handling	Storage Facility	Nature of Hazardous
LDO	Storage Tanks	Drums/Tank segregated	Fire hazard

Likely occurrence of major accidents from:

a) Storage – Likely occurrence of major accidents could only be a fire and explosion.
b) Process – From Processes also likely occurrence of major accident could be fire. Since processes does not involve any toxic chemicals and hence no chance of leakage of toxic gases.
c) Leakage / Splashing of liquid metal.

Physical range of consequences propagating:

a) From storage – Entire process plant
b) From process – Localize to affected area

ANNEXURE – 13 (ii)

List of Key persons for on Site Emergency Plan

Sl. No.	Emergency Co-ordinator
1	Executive Director
2	General Manager (Works)
3	General Manager (Maintenance & Projects)
4	General Manager/ Asstt. General Manager (Sponge Iron Plant)
5	General Manager / Asstt. General Manager (Steel Melting Shop)
6	General Manager / Asstt. General Manager (Rolling Mill)
7	General Manager / Asstt. General Manager (Captive Power Plant)

ANNEXURE – 13 (iii)

List of Key persons for Off-Site Emergency Plan

01	Collector of District
02	Asst. Director I & II
03	Fire Office
04	Controller of Explosive
05	District Informatics Officer
06	Superintendent of Police
07	District Health Officer
08	Assistant Labour Commissioner
09	SDO

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Towards Sustainable Growth

TEST REPORT

Date: 11.08.2025		Report No: ICI/AIIPL-029/2025			
Customer Name	:	M/s. AIC IRON INDUSTRIES PVT. LTD			
Address	:	Village: Benipur, P.O: Saltore, Dist.: Purulia, West Bengal, PIN: 723121, Near Sarbari More.	Sampling Date	:	08.08.2025
			Sampling Time	:	11:30 AM
#Customer Representative Name & Contact Number	:	Mr. Manoj Sharma			
#Work Order No.	:	E1258-00001 Dtd. 02.08.2025 Amendment No. 1 Dtd. 02.08.2025			
#Sample Description	:	HEAT STRESS MEASUREMENT AT WORKPLACE			
Instrument Used	:	Heat Stress WBGT Meter			
Reference Method	:	OSHA Technical Manual; Section: III, Chapter 4			
#Location	:	ROLLING MILL AREA (HOT COIL AREA)			
Ambient Temperature	:	Dry Bulb - 31.0°C Wet Bulb - 27.0°C			
Wind Velocity	:	132 m/min S to N			

HEAT STRESS REPORT

Sl. No.	#Location	Date & Time of Monitoring	Dry bulb Temperature DB	Wet bulb Temperature WB	Globe Temperature GT	WBGT °C	Limit TLV °C	Remarks
1.	ROLLING MILL AREA	08.08.2025 11:30 AM	37°C	28°C	39°C	31.3°C	32.2°C	*Below Limit*

Name of the Sampler: Mr. S. Chattaraj

Signature:

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note:
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6. *Location of Testing: **Plant Site & Report was generated from Haldia Laboratory***

End of Report

Reviewed By: QM/TM

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Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973
KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970
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Towards Sustainable Growth

TEST REPORT

Date: 11.08.2025	:	Report No: ICI/AIIPL-030/2025				
Customer Name	:	M/s. AIC IRON INDUSTRIES PVT. LTD				
Address	:	Village: Benipur, P.O: Saltore, Dist.: Purulia, West Bengal, PIN: 723121, Near Sarbari More.	Sampling Date	:	08.08.2025	
			Sampling Time	:	11:50 AM	
#Customer Representative Name & Contact Number	:	Mr. Manoj Sharma				
#Work Order No.	:	E1258-00001 Dtd. 02.08.2025 Amendment No. 1 Dtd. 02.08.2025				
#Sample Description	:	HEAT STRESS MEASUREMENT AT WORKPLACE				
Instrument Used	:	Heat Stress WBGT Meter				
Reference Method	:	OSHA Technical Manual; Section: III, Chapter 4				
#Location	:	SMS AREA				
Ambient Temperature	:	Dry Bulb - 31.0°C Wet Bulb - 27.0°C				
Wind Velocity	:	132 m/min S to N				

HEAT STRESS REPORT

Sl. No.	#Location	Date & Time of Monitoring	Dry bulb Temperature DB	Wet bulb Temperature WB	Globe Temperature GT	WBGT °C	Limit TLV °C	Remarks
1.	SMS AREA	08.08.2025 11:50 AM	35°C	28°C	37°C	30.7°C	32.2°C	*Below Limit*

Name of the Sampler: Mr. S. Chattaraj

Signature:

For, **INDICATIVE CONSULTANT INDIA**

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

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Reviewed By: QM/TM

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TEST REPORT

Date: 11.08.2025	:	Report No: ICI/AIIPL-031/2025			
Customer Name	:	M/s. AIC IRON INDUSTRIES PVT. LTD			
Address	:	Village: Benipur, P.O: Saltore, Dist.: Purulia, West Bengal, PIN: 723121, Near Sarbari More.	Sampling Date	:	08.08.2025
			Sampling Time	:	12:20 PM
#Customer Representative Name & Contact Number	:	Mr. Manoj Sharma			
#Work Order No.	:	E1258-00001 Dtd. 02.08.2025 Amendment No. 1 Dtd. 02.08.2025			
#Sample Description	:	HEAT STRESS MEASUREMENT AT WORKPLACE			
Instrument Used	:	Heat Stress WBGT Meter			
Reference Method	:	OSHA Technical Manual; Section: III, Chapter 4			
#Location	:	DRI KILN AREA (NEAR COOLER DISCHARGE)			
Ambient Temperature	:	Dry Bulb - 31.0°C Wet Bulb - 27.0°C			
Wind Velocity	:	132 m/min S to N			

HEAT STRESS REPORT

Sl. No.	#Location	Date & Time of Monitoring	Dry bulb Temperature DB	Wet bulb Temperature WB	Globe Temperature GT	WBGT °C	Limit TLV °C	Remarks
1.	DRI KILN AREA (NEAR COOLER DISCHARGE)	08.08.2025 12:20 PM	35°C	29°C	37°C	31.4°C	32.2°C	*Below Limit*

Name of the Sampler: Mr. S. Chattaraj

Signature:

Prepared By: N. Mondal

Checked By: A. Patra

For, **INDICATIVE CONSULTANT INDIA**

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

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Towards Sustainable Growth

TEST REPORT

Date: 11.08.2025		Report No: ICI/AIIPL-032/2025				
Customer Name	:	M/s. AIC IRON INDUSTRIES PVT. LTD				
Address	:	Village: Benipur, P.O: Saltore, Dist.: Purulia, West Bengal, PIN: 723121, Near Sarbari More.	Sampling Date	:	08.08.2025	
			Sampling Time	:	12:45 PM	
#Customer Representative Name & Contact Number	:	Mr. Manoj Sharma				
#Work Order No.	:	E1258-00001 Dtd. 02.08.2025 Amendment No. 1 Dtd. 02.08.2025				
#Sample Description	:	HEAT STRESS MEASUREMENT AT WORKPLACE				
Instrument Used	:	Heat Stress WBGT Meter				
Reference Method	:	OSHA Technical Manual; Section: III, Chapter 4				
#Location	:	CAPTIVE POWER PLANT AREA (WHRB)				
Ambient Temperature	:	Dry Bulb - 31.0°C Wet Bulb - 27.0°C				
Wind Velocity	:	132 m/min S to N				

HEAT STRESS REPORT

Sl. No.	#Location	Date & Time of Monitoring	Dry bulb Temperature DB	Wet bulb Temperature WB	Globe Temperature GT	WBGT °C	Limit TLV °C	Remarks
1.	CAPTIVE POWER PLANT AREA (WHRB)	08.08.2025 12:45 PM	34°C	28°C	36°C	**30.4°C**	32.2°C	*Below Limit*

Name of the Sampler: Mr. S. Chattaraj

Signature:

Prepared By: N. Mondal

Checked By: A. Patra

For, **INDICATIVE CONSULTANT INDIA**

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

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