



सत्यमेव जयते

File No: 9385-7825  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Issued by the State Environment Impact Assessment Authority (SEIAA),  
UTTAR PRADESH)

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Date 02/04/2025



To,

Shri Bhupendra Kumar Agrawal  
Plot No. - 139mi, 142, 145 & 146, Village – Dumduma, Tehsil Chunar, District – Mirzapur , Uttar Pradesh , MIRZAPUR, UTTAR PRADESH, , 231304  
mmispat2020@gmail.com

**Subject:** Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding Expansion of existing unit from 96mt/day to 400mt/day Billets and TMT Bars from 300 mt/day to 500 mt/day through Electrical/ Induction Furnace and 190MT/day production of sponge iron along with 4MW captive power plant at Village – Dhauhan, Tehsil Chunar, District – Mirzapur, Uttar Pradesh by M/s Maamahamaya Ispat and Alloys Private Limited.

**Sir/Madam,**

This is in reference to your application submitted to SEIAA vide proposal number SIA/UP/IND1/502425/2024 dated 23/10/2024 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24B1010UP5653309N
(ii) File No.	9385-7825
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	3(a) Metallurgical Industries (ferrous and non ferrous) Terms of Reference application for expansion of existing unit from 96mt/day to 400mt/day Billets and TMT Bars from 300 mt/day to 500 mt/day through Electrical/ Induction Furnace and 190MT/day production of sponge iron along with 4MW captive power plant at Village – Dhauhan, Tehsil Chunar, District – Mirzapur, Pin – 231304, Uttar Pradesh by M/s Maamahamaya Ispat and Alloys Private Limited
(vii) Name of Project	
(viii) Name of Company/Organization	BHUPENDRA AGRAWAL

<b>(ix) Location of Project (District, State)</b>	MIRZAPUR, UTTAR PRADESH
<b>(x) Issuing Authority</b>	SEIAA
<b>(xi) Applicability of General Conditions as per EIA Notification, 2006</b>	No

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-2(Part A, B and C)/ EIA & EMP Reports were submitted to the SEAC for appraisal under the provision of EIA notification 2006 and its subsequent amendments.

4. The above-mentioned proposal has been considered by SEAC in its meeting held on 29-1-2025. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above.

5. Details of the minerals to be mined along with production capacity and the brief on the salient features of the project as submitted by the project proponent in Form 1 (Part A and B) in the reports and as presented during SEAC meeting are annexed to this EC as Annexure (2).

6. The SEAC, in its meeting held on 29-1-2025 based on information submitted viz: Form 1 (Part A, B and C), EIA/EMP report etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and public hearing issues and compliance thereto furnished by the Project Proponent, recommended the proposal for grant of Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof subject to stipulation of Specific and Standard EC conditions as given in Annexure (1).

7. The SEIAA in its meeting held on 19-03-2025 & 27-03-2025 has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the SEIAA hereby accords Environment Clearance for the instant proposal to Bhupendra Kumar Agrawal under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific conditions as given in Annexure (1)

8. The SEIAA reserves the right to stipulate additional conditions, if found necessary.

9. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

10. The PP is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.

11. General Instructions:

a) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of SEIAA website where it is displayed.

b) 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 must display the same for 30 days from the date of receipt.

c) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing 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.

d) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

e) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

f) The project proponent shall also ensure that the proposed site is not a part of any no-development zone as required/prescribed/identified under law. In case of violation, this permission shall automatically deem to be cancelled. Also, in the event of any dispute on ownership or land use of the proposed site, this clearance shall automatically deem to be cancelled.

g) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as

prescribed under Section 16 of the National Green Tribunal Act, 2010.

h) The SEIAA reserves the right to revoke the environmental clearance, if conditions stipulated are not implemented to the satisfaction of SEIAA. SEIAA may impose additional environmental conditions or modify the existing ones, if necessary.

12. This issues with the approval of the Competent Authority.

## Annexure 1

### Specific EC Conditions for (Metallurgical Industries (Ferrous And Non Ferrous))

#### 1. Environmental Attributes

S. No	EC Conditions
<b>1.1</b>	<ol style="list-style-type: none"> <li>1. The project proponent shall install 2 induction furnaces as proposed.</li> <li>2. The project proponent shall install air controlling devises submit for controlling secondary emission from induction furnace.</li> <li>3. Directions/suggestions given during public hearing and commitment made by the project proponent should be strictly complied with.</li> <li>4. In any case slag shall not be disposed outside the premises.</li> <li>5. The Project proponent shall install pre cleaning facility of adequate capacity to remove paints, varnishes and other foreign matter deposited over the mild steel scrap before start of production. Complete details along with design details must be submitted to SEIAA with in 2 months time failing which EC shall be revoked. UPPCB should also ensure its installation before grant of CTO.</li> </ol>
<b>1.2</b>	<ol style="list-style-type: none"> <li>1. Environmental Clearance is issued for existing Induction Furnace (electric based) 2x12 TPH and proposed Induction Furnace (electric based) 2x12 TPH each capacity which is expansion for existing unit from 96MT/day to 400MT/day Billets and TMT bars from 300MT/day to 500MT/day, production of sponge iron is 190MT/day and captive power plant 4MW (WHRB).</li> <li>2. Project proponent to obtain CTE from UPPCB for the project as per Environmental Clearance.</li> <li>3. Proposed Action plan for mitigation/prevention of air pollution control (APCS) based on latest technology to be implemented to control the air emissions/fugitive emissions. In case of use of bag houses as APCS, the Project proponent should prefer installing Polytetra Fluoro Ethylene (PTFE) membrane filter</li> <li>4. Proponent to implement a plan for solid &amp; slag disposal/utilization to be adopted on the basis of the latest technology. The record of solids/slag utilization to be submitted regularly to the concerned authority. Unscientific disposal of solid/slag is not permitted.</li> <li>5. The project proponent should develop green belt in the existing unit as per the plan submitted and also follow the guidelines of CPCB/Development authority as per the norms for this type of project. PP shall also ensure the survival of existing plantation in the unit.</li> <li>6. ZLD to be implemented whereas treated effluent shall be reused for the industrial purposes and for dust separation. No treated water shall be discharged outside the premises.</li> <li>7. Project proponent shall install air quality monitoring station at a suitable place to carry out Ambient Air Quality relevant to the pollutants (e.g. PM 10 and PM2.5 in reference to PM emission, and SO, and NOx in reference to SO, and NOx emissions etc), meteorological parameter. Display boards for monitoring results shall be installed for public awareness. The results of monitoring shall be connected to the CPCB &amp; UPPCB server.</li> <li>8. Greening and paving shall be implemented in the plant area to arrest soil erosion and dust pollution exposed soil surface and also provide regular water sprinklers to suppress the dust in the plant area at a dust generation source due to vehicular movement etc.</li> <li>9. Industry shall install ambient air quality monitoring stations for regular monitoring to ensure the ambient air quality standards as prescribed by the Centre Pollution Control Board.</li> <li>10. Performance test shall be conducted on all pollution control system every year from competent</li> </ol>

S. No	EC Conditions
	<p>agency and report shall be submitted to the Regional office of the MoEF&amp;CC, Govt. of India and State Pollution Control Board.</p> <p>11. The project proponent shall obtain the required permissions from the concerned authority/department for expansion of the project.</p> <p>12. Proponent shall invest in Corporate Environment Responsibility (CER) as per the proposed plan and details of CER investment to be submitted to MoEF Regional Office, Govt of India along with regular Certified Compliance Report.</p>

**Standard EC Conditions for (Metallurgical Industries (ferrous and non ferrous))**

**1. Statutory Compliance**

S. No	EC Conditions
1.1	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.

**2. Air Quality Monitoring And Preservation**

S. No	EC Conditions
2.1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04/06 Nos. Continuous Ambient Air Quality Station (CAAQMS) 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 recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous and their no's.)
2.2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
2.3	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.
2.4	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.
2.5	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.

S. No	EC Conditions
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
2.8	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
2.9	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.
2.10	The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
2.11	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
2.12	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.13	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
2.14	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.15	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 suspended dust in the atmosphere.
2.16	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.17	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
2.18	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm <sup>3</sup> and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
2.19	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all 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.

### 3. Air Quality Monitoring And Preservation In Case Of Ferro Alloy Plants

S. No	EC Conditions
3.1	Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.
3.2	The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.
3.3	The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
3.4	Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible limit for silica/quartz should be within 10 mg/m <sup>3</sup> for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area exposures for silica quartz dust in the process plants. (in case of Silico Manganese and Ferro Silicon alloy steel)
3.5	No Ferro-chrome production shall be carried out without prior Environmental clearance from MOEF&CC.

### 4. Air Quality Monitoring And Preservation In Case Of Aluminium Smelter / Aluminium Refinery

S. No	EC Conditions
4.1	Adopt measures to recover fluoride gas from electrolytic cells and recycle the same in the process.
4.2	Practice use of low-sulphur tars for baking anodes
4.3	Adopt dry scrubbing combined with incineration in order to control emissions of tar and volatile organic compounds (VOCs). The waste heat shall be recovered from the flue gases of incinerator.
4.4	Make efforts to increase the life of pot lining through better construction and operating techniques.
4.5	Recycle alumina dust collected in ESPs installed in calciner.
4.6	Design the pot roofs with louvers and roof ventilators

### 5. Air Quality Monitoring And Preservation In Case Of Di Pipe

S. No	EC Conditions
5.1	Ductile Iron (DI) plant shall have the following provisions: a. Bag filter for Zn coating and Mg converter area. b. Wet scrubbers in paint and bitumen coating area. c. Bag Filter in Cement lining area. d. PTFE dipped bags shall be used in the plant. e. PM emissions from BF in Zinc coating area shall be 5 mg/Nm <sup>3</sup> . f. ETP with recycling facility shall be included.

### 6. Air Quality Monitoring And Preservation In Case Of Bof

S. No	EC Conditions
6.1	Basic Oxygen Furnace (BOF) gas shall be cleaned dry

### 7. Water Quality Monitoring And Preservation

S. No	EC Conditions
7.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 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.
7.2	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 recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
7.3	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
7.4	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.
7.5	Tyre washing facilities shall be provided at the entrance of the plant gates.
7.6	Water meters shall be provided at the inlet to all unit processes in the steel plants.
7.7	The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
7.8	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. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
7.9	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
7.10	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.

### 8. Water Quality Monitoring And Preservation In Case Of Rolling Mills

S. No	EC Conditions
8.1	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.

S. No	EC Conditions
	(in case of rolling mills)
8.2	Cold Rolling Mill (CRM), color coating and galvanizing plants shall have CETP to treat and recycle the treated water from CRM complex. Sludge generated at CRM ETP shall be sent to TSDF. (in case of cold rolling mills)

#### 9. Water Quality Monitoring And Preservation In Case Of Alluminium Shelter

S. No	EC Conditions
9.1	Reduce water consumption in bauxite beneficiation and alumina refinery by concentrating the solids in the tailings.

#### 10. Noise Monitoring And Prevention

S. No	EC Conditions
10.1	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
10.2	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

#### 11. Energy Conservation Measures

S. No	EC Conditions
11.1	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
11.2	Restrict Gas flaring to < 1%.
11.3	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
11.4	Provide LED lights in their offices and residential areas.

#### 12. Energy Conservation Measures In Case Of Reheating Furnace

S. No	EC Conditions
12.1	Ensure installation of regenerative/recuperative type burners on all reheating furnaces.
12.2	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.

S. No	EC Conditions
12.3	Practice hot charging of slabs and billets/blooms as far as possible.
12.4	Ensure installation of regenerative type burners on all reheating furnaces

### 13. Energy Conservation Measures In Case Of Blast Furnace

S. No	EC Conditions
13.1	Blast Furnaces shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.

### 14. Energy Conservation Measures In Case Of Dri Kilns (Sponge Iron)

S. No	EC Conditions
14.1	The project proponent shall provide waste heat recovery system on the DRI Kilns.
14.2	The dolochar generated shall be used for power generation.
14.3	Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water shall be incinerated in After Burn Chamber (ABC) of DRI kilns.
14.4	The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.

### 15. Waste Management

S. No	EC Conditions
15.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.
15.2	Kitchen waste shall be composted or converted to biogas for further use.
15.3	Used refractories shall be recycled as far as possible.
15.4	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
15.5	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 <a href="https://cpcb.nic.in/technical-guidelines-3/">https://cpcb.nic.in/technical-guidelines-3/</a> . 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

S. No	EC Conditions
	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.
15.6	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
15.7	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 solid waste generated in the plant as far as possible. c. Used refractories shall be recycled as far as possible.

#### 16. Waste Management In Case Of Sinter Plant

S. No	EC Conditions
16.1	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
16.2	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
16.3	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.

#### 17. Waste Management In Case Of Aluminium Smelter/ Aluminium Refinery

S. No	EC Conditions
17.1	A plan for 100 % utilisation of red mud generated shall be implemented. Under the Plan, MOU shall be signed with potential buyers including cement companies for supply of red mud.
17.2	The red mud generated from the project shall be stored in the red mud pond lined with impervious clay prior to use to prevent leakage, designed as per the CPCB guidelines with proper leachate collection system. Ground water shall be monitored regularly all around the red mud disposal area and report submitted to the Regional Office of the Ministry. Proper care shall be taken to ensure no run off or seepage from the red mud disposal site to natural drainage.

#### 18. Green Belt

S. No	EC Conditions
18.1	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
18.2	Project proponent shall submit a study report on Decarbonisation program, which would essentially

S. No	EC Conditions
	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.
18.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

### 19. Public Hearing And Human Health Issues

S. No	EC Conditions
19.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
19.2	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.
19.3	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
19.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
19.5	All the commitments made towards socio-economic development of the nearby villages 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. PP shall adopt nearby villages and prepare and implement a robust plan to develop them into model villages in next 10 years.

### 20. Environment Management

S. No	EC Conditions
20.1	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.
20.2	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 /

S. No	EC Conditions
	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.
20.3	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.
20.4	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

## 21. Miscellaneous

S. No	EC Conditions
21.1	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.
21.2	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.
21.3	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.
21.4	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.
21.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
21.6	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.
21.7	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.
21.8	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.
21.9	The project proponent shall abide by all the commitments and recommendations made in the

S. No	EC Conditions
	EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
21.10	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
21.11	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.
21.12	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).
21.13	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
21.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
21.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
21.16	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.
21.17	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment & Development to SEAC on 12-11-2025.

**Project Details Informed by the Project Proponent and their Consultant**

The project proponent, through the documents and presentation gave following details about their project –

1. The environmental clearance is sought for Expansion of existing unit from 96mt/day to 400mt/day Billets and TMT Bars from 300 mt/day to 500 mt/day through Electrical/ Induction Furnace and 190MT/day production of sponge iron along with 4MW captive power plant at Village – Dhauhan, Tehsil Chunar, District – Mirzapur, Uttar Pradesh by M/s Maamahamaya Ispat and Alloys Private Limited.
2. The standard Terms of Reference in the matter were issued by SEIAA, U.P through online Parivesh Portal on 19/05/2023.
3. The Public Hearing was organized on 07/03/2024. Final EIA report submitted by the project proponent on 23/10/2024.
4. Salient features of the project:

Sr No	Particulars	Details																														
1	Name of project	Expansion of existing unit from 96mt/day to 400mt/day Billets and TMT Bars from 300 mt/day to 500 mt/day through Electrical/ Induction Furnace and 190MT/day production of sponge iron along with 4MW captive power plant at Village – Dhauhan, Tehsil Chunar, District – Mirzapur, Pin – 231304, Uttar Pradesh																														
2	Registered Office	Purana Pokhara, DurgaMandir, Ramnagar, Varanasi, Uttar Pradesh – 221008																														
3	Name of Applicant	Shri Bhupendra Agrawal																														
4	Designation	Director																														
5	Nature and Size of Project	<p>Area: 8524 Sqm (8.524 ha)                      Production capacity:</p> <table border="1"> <thead> <tr> <th>Product</th> <th>Existing (MT/day)</th> <th>Proposed (MT/day)</th> <th>Total (MT/day)</th> <th>Total (MT/annum)</th> </tr> </thead> <tbody> <tr> <td>Billets</td> <td>96</td> <td>304</td> <td>400</td> <td>120000</td> </tr> <tr> <td>TMT Bars</td> <td>300</td> <td>200</td> <td>500</td> <td>150000</td> </tr> <tr> <td>Sponge iron</td> <td>-</td> <td>190</td> <td>190</td> <td>60000</td> </tr> <tr> <td>Binding Wire</td> <td></td> <td>30</td> <td>30</td> <td>9600</td> </tr> <tr> <td colspan="3">Proposed Captive Power Plant (from Waste Heat Recovery Boiler and ABFC)</td> <td>4 MW</td> <td></td> </tr> </tbody> </table>	Product	Existing (MT/day)	Proposed (MT/day)	Total (MT/day)	Total (MT/annum)	Billets	96	304	400	120000	TMT Bars	300	200	500	150000	Sponge iron	-	190	190	60000	Binding Wire		30	30	9600	Proposed Captive Power Plant (from Waste Heat Recovery Boiler and ABFC)			4 MW	
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6	Category of the Project	<p>Cat. B, Item 3(a) Metallurgical industries (ferrous &amp; non ferrous) as per EIA Notification 2006                      MoEFCC Notification S.O.3067 (E) dated 01 December 2009                      Hon'ble NGT Order dated 12th February, 2020 of in O.A. No. 55/2019 (WZ) in the matter of GajubhaJesar Jadeja v/s Union of India &amp;Ors. And UPPCB letter ref no. H-68655/C-1/NGT-121/2021 dated 25.11.2021).                      MoEFCC Notification S.O.3050 (E) dated 20<sup>th</sup> July 2022.</p>																														
7	Locations Details	<table border="1"> <thead> <tr> <th>S. NO.</th> <th>ARAZI NO.</th> <th>AREA (HECTARE)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>47mi</td> <td>0.885</td> </tr> <tr> <td>2.</td> <td>48mi</td> <td>0.835</td> </tr> </tbody> </table>	S. NO.	ARAZI NO.	AREA (HECTARE)	1.	47mi	0.885	2.	48mi	0.835																					
S. NO.	ARAZI NO.	AREA (HECTARE)																														
1.	47mi	0.885																														
2.	48mi	0.835																														

		3.	49	0.291	
		4.	50	0.291	
		5.	58	0.759	
		6.	60	0.291	
		7.	61/1	0.253	
		8.	62/2	0.809	
		9.	56	0.240	
		10.	57	0.304	
		11.	61/2	0.038	
		12.	62/1	0.632	
		13.	63	0.304	
		14.	45	0.228	
		15.	46/1	1.10	
		16.	44Mi	0.986	
		17.	46/2 Mi	0.278	
		Total		8.524	
	Village	Dhauhan			
	Tehsil	Chunar			
	District	Mirzapur			
	State	Uttar Pradesh			
	Pin code	231304			
	Coordinates of Proposed project	PILLAR	LATITUDE	LONGITUDE	
		A	25° 3'42.26"N	82°52'47.69"E	
		B	25° 3'41.73"N	82°52'49.49"E	
		C	25° 3'33.24"N	82°52'48.48"E	
		D	25° 3'31.35"N	82°52'49.06"E	
		E	25° 3'28.00"N	82°52'48.19"E	
		F	25° 3'28.11"N	82°52'47.81"E	
		G	25° 3'27.73"N	82°52'47.68"E	
		H	25° 3'27.83"N	82°52'47.20"E	
		I	25° 3'25.67"N	82°52'46.32"E	
		J	25° 3'25.57"N	82°52'46.85"E	
		K	25° 3'22.99"N	82°52'45.96"E	
		L	25° 3'24.33"N	82°52'40.47"E	
		M	25° 3'25.57"N	82°52'41.23"E	
	N	25° 3'26.27"N	82°52'39.71"E		
	O	25° 3'33.17"N	82°52'43.40"E		
	Toposheet No	63 K/16			
8	Area Details	Total Plot Area:- 85240.00m <sup>2</sup> (8.524Ha)			
	Total Plot Area	Description	Area in m <sup>2</sup>	Percentage (%)	
		Green Area	28129.20	33.00	
		Built-up area (Process Area)	27784.00	32.60	
		Road Area	2486.80	2.92	
		Storage and Scrap processing area	4520.00	5.30	
		Open Area	9870.00	11.58	
		Parking Area	12450.00	14.61	
		Total Area	85240.00	100.00	
	Greenbelt / Plantation Area	28129.20 m <sup>2</sup>			
		> 33.0 % of the project area will be covered under green belt and plantation.			
9	Cost Details				
	PARTICULARS				
	Total Project Cost	Rs. 125.40 Crore			

	EMP Cost	Capital cost: 10.55 crores		
	CER	Rs. 1.25 Crore (1.0% of total project cost)		
10	Basic Requirements for the project			
	Fresh Water Requirement	S. No	Particulars	Water Demand
		1	Industrial (Cooling in quenching process)	10.0 KLD
		2	Domestic:	18.0 KLD
		3	Plantation:	10.0 KLD
			Total:	38.0 KLD
	Source of Water	Ground Water (Permission shall be taken from Ground Water Department, Uttar Pradesh)		
	Wastewater Discharge	Unit is based on Zero Liquid Discharge Air cooled system will be used for cooling purpose. No water will be used for cooling. Waste water generated due to domestic activity will be disposed of through septic tank followed by soak pit.		
	Power Requirement	8000 KVA		
	Source of Power	Uttar Pradesh Power Corporation Limited		
	D.G. Set Capacity with stack height and Fuel	1× 500 KVA for power backup (6 m height) HSD will be used for DG Set		
	Man Power Requirement	150 Nos		
	Working Days	300 days / Annum		
11	Raw material			
	Major Raw Material	For Sponge Iron: Iron Ore, Coal, Dolomite/Limestone (For Sponge Iron production), For Billet production: Sponge Iron and MS Scrap For TMT Bars: MS Billets		
	Source of Raw Materials	MS Scrape: Local Markets like Ghaziabad, New Delhi Sponge Iron: Easily available in West Bengal, Jharkhand, Orissa and nearby areas		
	Capacity of raw material	MS Scarp: 1,20,000 MT/Annum Sponge as per the requirement		
	Induction Furnace Capacity	4× 12 MT Induction Furnace (Electric Based) Note: Common stack for all induction furnace with 30 meter height Bag house filter		
	Boiler (WHRB)	Total power generation for the proposed project will be 4 MW using Steam Turbine Generator set. Installation of one (01) nos. of Waste Heat Recovery Boilers capable of producing 15-20T/h of steam each from the hot flue gases produced from the existing 1 x 190 Ton DRI Rotary Kilns. Power generation from WHRB will be 4 MW		
	Solid Waste	The solid waste generated from the industry mainly consists of IF slag, Fly-Ash, Bottom Ash, Scales and dust collected from air pollution control devices.		
		Type of Waste	Quantity (TPA)	Mode of Disposal
		Sponge Iron Plant		
		Dolochar	6000	Will be used in ABFC
		ESP and BF Dust	5000	Will be given to the near Boiler (ABFC)
		Wet Scrapper Sludge	900	
		Induction Furnace		
		IF Slag	8000	This slag- sand is sold brick makers
	IF Bag Filter Dust	1100	Will be used in ABFC	
	Scale	600	Will be used in ABFC	

		Rolling Mill			
		M/ill Scale	800	Will be used in ABFC	
		Captive Power Plant (CPP)			
		Fly-ash from WHRB	18000	Will be sold to nearby Cement Plant	
12	Hazardous Waste	Generation of 'Used Oil', after the proposed expansion shall be approx. 10.0 kilolitres per annum and will be sold to the registered recyclers. Used oil will be collected in dedicated drums and stored on impervious concrete floor for maximum 90 days before disposal			
13	List of industries in 10 Km radius from project site	S. No.	Name of the Industry	Aerial Distance and Direction from Project Site	Type
		1	RLJ Infra Cement Pvt Ltd	2.0 Km (NW)	Cement
		2	RLJ Concast Limited	2.0 Km	Sponge
			Shanti Gopal Concast Ltd	1.0 Km	Sponge

5. Proposed Production, Raw material and Transportation:

Product	Existing (mt/day)	Proposed (mt/day)	Total (mt/day)	Total (mt/yr)	Raw Material	Raw material availability and Transportation
Billets	96	304	400	1,20,000	MS Scarp: 1,20,000 mt/yr Sponge Iron as per the requirement	MS Scrape: Local Markets Transportation- Road
TMT Bars	300	200	500	1,50,000	MS Billets	From own source Transportation- Road
Sponge iron (DRI Plant)	-	190 TPD	190 TPD	60,800	Iron Ore, Coal, Dolomite/ Limestone (For Sponge Iron production)	Sponge Iron: Easily available in West Bengal, Jharkhand, Orissa and nearby areas. Transportation- Road
Binding Wire		30	30	9,600	TMT Bars	From own source Transportation- Road
Proposed Captive Power Plant			4 MW		Waste Heat Recovery Boiler	From own source

6. Project production details:

7. Raw material details:

8. Material Balance for MS Billets:

9. Material Balance for Rolling Mill:

10. Water requirement details:

S. N.	Particulars	Water Demand
1	Industrial (Cooling in Quenching process)	10.0 KLD
2	Domestic	10.0 KLD
3	Plantation	18.0 KLD
	Total	38.0 KLD

11. Action Plan as per Ministry's O.M. dated 30/09/2020:

S. No	Concern	Physical activity to be done	Amount (Lakh) with beneficiary village		Cost (Lakh)
			1 <sup>st</sup> year (Lakh)	2 <sup>nd</sup> year (Lakh)	
1	Education	Smart class to primary school	Rs 8.0 Lakh (Shivpur)	Rs 5.0 Lakh (Shivpur)	Rs 13.0 Lakh
			Rs 6.0 lakhs (Dhauhan)	Rs 5.0 lakhs (Dhauhan)	Rs 11.0 Lakh

2	Health	Medical health checkup, Distribution of medicine, free consultation with doctor, provision of facility of ambulance to hospital.	Rs 8.0 Lakh (Shivpur)	Rs 5.0 Lakh (Shivpur)	Rs 13.0 Lakh
			Rs 8.0 lakhs (Dhauhan)	Rs 5.0 lakhs (Dhauhan)	Rs 13.0 Lakh
3	Skill Development	Establishment of Skill Development centre for Youth & organizing Training programmes for youth/residents	Rs 7.0 Lakh (Shivpur)	Rs 5.0 Lakh (Shivpur)	Rs 12.0 Lakh
			Rs 5.0 lakhs (Dhauhan)	Rs 5.0 lakhs (Dhauhan)	Rs 10.0 Lakh
4	Infrastructure	Roads (Pucca Road for villages to reduce fugitive emissions)	Rs 8.0 Lakh (Shivpur)	Rs 10.0 Lakh (Shivpur)	Rs 18.0 Lakh
			Rs 8.0 lakhs (Dhauhan)	Rs 10.0 lakhs (Dhauhan)	Rs 18.0 Lakh
5	Agriculture	Scientific Support and Awareness to Local Farmers to Increase Yield of Crop and Fodder	Rs 6.0 Lakh (Shivpur)	Rs 4.0 Lakh (Shivpur)	Rs 10.0 Lakh
			Rs 6.0 lakhs (Dhauhan)	Rs 1.0 lakhs (Dhauhan)	Rs 7.0 Lakh
Total			Rs. 70.0 Lakh	Rs. 55.0 Lakh	Rs 125.0 Lakh
*The above action plan will be implemented during project implementation phase.					
**The activities given in the above table are excluding the Pollution Control and mitigation measures which are included in EMP Cost					

12. The project proposal falls under category–3(a) of EIA Notification, 2006 (as amended).

**Copy, through email, for information and necessary action to –**

1. **Principal Secretary, Department of Environment, Forest and Climate Change, Government of Uttar Pradesh, Lucknow (email – psforest2015@gmail.com)**
2. **Joint Secretary, Ministry of Environment, Forest and Climate Change, Government of India, 3rd Floor, Prithvi-Block, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003 (email – sudheer.ch@gov.in)**
3. **Deputy Director General of Forests (C), Integ rated Regional Office, Ministry of Environment, Forest and Climate Change, Kendriya Bhawan, 5th Floor, Sector “H”, Aliganj, Lucknow – 226020 (email – rocz.lko-mef@nic.in)**
4. **District Magistrate, Mirzapur.**
5. **Member Secretary, Uttar Pradesh Pollution Control Board, TC-12V, Paryavaran Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow-226010 (email – ms@uppcb.in)**
6. **Copy for Guard File.**

**(Ajay Kumar Sharma)  
Member Secretary, SEIAA**