



File No: IA-J-11011/107/2025-IA-II(Ind-I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 19/06/2026



To,

M/s. HMB Steel private limited
Godrej Genesis, Unit No. 1103, 11th Floor, Plot No. XI-9, 10, 13 & 14, Block - EP & GP, Sector - V,
Salt Lake City, Kolkata, Kolkata, KOLKATA, WEST BENGAL, 700091
Email: hmbsteel2021@gmail.com

Subject: Proposed Steel Plant (Green-field Project) for installation of 2x500 TPD DRI Kilns, 8x20 T Induction Furnaces along with matching LRF & CCM, 1x10 T AOD & 1x10 T VOD & 1X20 TPH capacity Slag Crusher Unit, 5x9 MVA capacity Submerged Arc Furnaces, 0.55 MTPA capacity Rolling Mill along with 1x30 TPH Re-heating Furnace (stand by) & 2x4000 Nm³/Hr capacity Producer Gas Plant (stand by), 60,000 TPA capacity Galvanising Unit and 30 MW capacity Captive Power Plant (24 MW WHRB + 6 MW AFBC) by M/s. HMB Steel Pvt. Ltd, located at Village: Palitpur, Mouza: Palitpur & Saraitikar, District: Purba Bardhaman, West Bengal - Grant of Environment Clearance -Reg.

Sir/Madam,

This refers to your proposal no. IA/WB/IND1/567625/2026 dated 10.02.2026 along with copy of EIA/EMP report, Forms (Part A, B and C) and certified compliance report seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC26A1005WB5900643N
(ii) File No.	IA-J-11011/107/2025-IA-II(Ind-I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(a) Metallurgical Industries (ferrous and non ferrous),1(d) Thermal Power Plants
(vi) Sector	Industrial Projects - 1 Proposed Steel Plant (Green-field Project) for installation of 2x500 TPD DRI Kilns, 8x20 T Induction Furnaces along with matching LRF & CCM, 1x10 T AOD & 1x10 T VOD & 1X20 TPH capacity Slag Crusher Unit, 5x9 MVA capacity Submerged Arc Furnaces, 0.55 MTPA capacity Rolling Mill along with 1x30 TPH Re-heating
(vii) Name of Project	

(viii) Name of Company/Organization
(ix) Location of Project (District, State)
(x) Issuing Authority
(xi) Applicability of General Conditions as per EIA Notification, 2006

Furnace (stand by) & 2x4000 Nm³/Hr capacity Producer Gas Plant (stand by), 60,000 TPA capacity Galvanising Unit and 30 MW capacity Captive Power Plant (24 MW WHRB + 6 MW AFBC).

HMB Steel private limited

PURBA BARDHAMAN, WEST BENGAL

MoEF&CC

No

3. The proposed project activity is listed at S. No. 3(a) Metallurgical industries (ferrous and non-ferrous) and 1(d) Thermal Power Plants under Category “A” of the schedule of the EIA Notification, 2006, and appraised at Central Level.

4. The instant proposal is considered in 23rd EAC Meeting held during 11th – 12th March, 2026, wherein after detailed deliberations, the committee recommended the proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions. The EAC proceedings of the said meeting can be seen using the following web link: at <https://parivesh.nic.in>.

5. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are at **Annexure-II**.

6. The Unit configuration and capacity of the proposed project is at **Annexure-III**.

7. The EAC, in its 23rd EAC Meeting held during 11th – 12th March, 2026, inter-alia, deliberated the following:

i. The instant proposal is for setting up of Steel Plant (Green-field Project) for installation of 2x500 TPD DRI Kilns, 8x20 T Induction Furnaces along with matching LRF & CCM, 1x10 T AOD & 1x10 T VOD & 1x20 TPH capacity Slag Crusher Unit, 5x9 MVA capacity Submerged Arc Furnaces, 0.55 MTPA capacity Rolling Mill along with 1x30 TPH Re-heating Furnace (stand by) & 2x4000 Nm³/Hr capacity Producer Gas Plant (stand by), 60,000 TPA capacity Galvanising Unit and 30 MW capacity Captive Power Plant (24 MW WHRB + 6 MW AFBC).

ii. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

iii. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

iv. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

v. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.

vi. The Committee noted that the project is a Greenfield project. SPCB submitted its comments vide letter dated 07.11.2025 w.r.t. the compliance of criteria for establishment of industrial plant, as per MoEF&CC Gazette

Notification G.S.R 85 dated 30.01.2025. The EAC reviewed the same taking into consideration the MoEFCC notification G.S.R. 84(E) dated 23.01.2026 and found it satisfactory. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.

vii. The PP informed that the total land required for the proposed project is 23.63 ha (private land). Out of the total requirement, 1.33 ha is presently under the possession of the company, while for the remaining 22.30 ha, the PP has entered into notarized Memoranda of Understanding (MoUs) with the respective private landowners, indicating their willingness to sell the land. An undertaking in this regard was submitted, along with commitment to convert the land for industrial purpose. The PP also committed to provide employment opportunity to one member from each landowner's family in the proposed plant, commensurate to their qualification and suitability. The Committee advised that, in case, there is any change in project area due to ongoing land acquisition process, then PP shall approach the Ministry for amendment in the Environmental Clearance, at the appropriate stage.

viii. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that the nearest settlement is Palitpur (~0.2 km in NW direction), Kamnara (~1.2 km in NE direction), Mirzapur (~1.4 km in E direction) and Natungram (~1.5 km in W direction). The identified sensitive receptors in and around the project site include Palitpur Free Primary School (~0.3 km), Burdwan Model School (~1.4 km), and Vidyasagar Uchcha Vidyalaya (~1.5 km) as an educational institute, and Palit pur Health Centre (~1.3 km). The Committee opined that the Project Proponent shall identify, village-wise, all sensitive receptors including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and implemented, along with a separate, clearly defined budget allocation for each affected village.

ix. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.

x. There is unnamed Seasonal Nala passing outside the project boundary. PP has obtained NOC from WRD dated 24.09.2025. Further, there are five ponds and other water bodies within the project site. The EAC opined that robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.

xi. The committee noted that the project site is located at 3.0 km from Ramnabagan Wild Life Sanctuary. PP submitted that as per the Gazette Notification of MoEF&CC dated 29/08/2019, the ESZ of Ramnabagan Wildlife Sanctuary extends to 100 meters, and accordingly, the PP has obtained NOC dated 08-09-2025 from PCCF, West Bengal. The EAC opined that PP shall comply with all applicable conditions, as applicable to it and stipulated by the concerned authority.

xii. The water requirement for the proposed project is estimated as 1900 cu.m/day (Fresh Water - 1500 cu.m/day & Treated Waste Water - 400 cu.m/day). The water will be sourced from DVC supply. The EAC opined that the PP shall secure the required approval from the appropriate authority.

xiii. The Committee has deliberated on the baseline data and incremental GLC due to the proposed project and noted that PM2.5 and PM10 are reported high. The EAC opined that a project specific AAQ plan shall be prepared and implemented.

xiv. The Committee also deliberated on the public hearing issues and the action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.

xv. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which

shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.

xvi. PP has earmarked 7.79 Hectares (19.27 Acres), 33% of total land for Green Belt Development within its plant site. Total of 19,475 number of trees will be planted. The EAC deliberated on the greenbelt action plan and is of the opinion that greenbelt shall be developed and maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025.

xvii. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

xviii. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be implemented.

xix. The EAC also deliberated on written submission of the project proponent and found it satisfactory.

xx. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.

xxi. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. 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. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

xxii. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

8. The EAC (Industry-1 Sector), in its 23rd EAC Meeting held during 11th – 12th March, 2026, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general EC conditions as detailed in the point below.

9. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant **Environment Clearance for instant proposal of M/s. HMB Steel Pvt. Ltd.** under the provisions of EIA Notification, 2006 subject to uploading of written submission placed before EAC on PARIVESH portal. The EAC categorically noted that the recommendation to grant EC is technical in nature under the provisions of the EIA Notification 2006, and subject to the fulfilment of commitments made by the PP to secure all the permissions/ approvals/ consents from Central/ State Authorities, as may be required. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/ statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013. The specific and general conditions at **Annexure-I**

10. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the

Environment (Protection) Act, 1986.

12. Any appeal against this environmental clearance 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.

13. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

14. This issues with approval of the competent authority.

(Sonu Singh)

Scientist 'E'/Additional Director

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Copy To

N/A

Annexure 1

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

1. Specific

S. No	EC Conditions
1.1	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
1.2	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.
1.3	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
1.4	PP shall secure the acquisition of complete land and conversion for industrial purpose prior to commencement of proposed project.
1.5	PP shall provide employment opportunity to one member from each landowner's family, subject to their qualification and suitability, in the proposed plant, as committed.

S. No	EC Conditions
1.6	Project Proponent shall implement a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3 km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, forests, ASI site, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities. The PP shall also include some of these locations in its environmental monitoring programme.
1.7	PP shall coordinate with school authorities falling within 1 km of the project site and explore development of peripheral greenbelt around the schools.
1.8	Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
1.9	There is unnamed Seasonal Nala passing outside the project boundary. PP has obtained NOC from WRD dated 24.09.2025. Further, there are five ponds and other water bodies within the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
1.10	The project site is located at a distance of 3.0 km from Ramnabagan Wildlife Sanctuary. PP shall strictly comply with all the conditions stipulated by the concerned state forest authority and ensure that no adverse impact on the wildlife sanctuary and its eco-sensitive features occurs due to the project activities.
1.11	The water requirement for the proposed project is estimated as 1900 cu.m/day (Fresh Water - 1500 cu.m/day & Treated Waste Water - 400 cu.m/day). The water will be sourced from DVC supply. PP shall secure the required approval from the appropriate authority.
1.12	Project specific AAQ plan shall be prepared and implemented to minimise PM2.5 and PM10.
1.13	As Committed, PP shall develop 7.79 Hectares (19.27 Acres) i.e. 33% of total project area for Green Belt Development within its plant site, and total of 19,475 number of trees will be planted. Green Belt shall be developed and maintained in the project area in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. PP shall develop and maintain the greenbelt within a period of 1 year. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
1.14	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in)
1.15	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, which is amounting to approx. Rs. 12.3 Crores. The action plan shall also cover

S. No	EC Conditions
	activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC
1.16	PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC
1.17	The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.
1.18	PP shall Install CO sensors with alarms at strategic locations in the Plant.
1.19	PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
1.20	PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported
1.21	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
1.22	PP shall submit a report on utilisation of waste generated from its operations, including SMS slag to the concerned RO of the Ministry.
1.23	PP shall periodically monitor the quality of adjacent seasonal nala and submit a report to concerned RO of the Ministry.

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.
1.2	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this 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 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.
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 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.
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.

S. No	EC Conditions
2.8	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
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 shall provide primary and secondary fume extraction system at all heat treatment furnaces.
2.11	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.12	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
2.13	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.14	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.
2.15	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.16	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.
2.17	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
2.18	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

S. No	EC Conditions
	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 ³ 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	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
3.6	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
3.7	Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
3.8	Low NO _x Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	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.
4.2	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.
4.3	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.
4.4	Water meters shall be provided at the inlet to all unit processes in the plants.
4.5	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
4.6	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and

S. No	EC Conditions
	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.
4.7	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.
4.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.

5. Water Quality Monitoring And Preservation In Case Of Rolling Mills

S. No	EC Conditions
5.1	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.
5.2	Air Cooled condensers shall be used in the captive power plant.

6. Noise Monitoring And Prevention

S. No	EC Conditions
6.1	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.
6.2	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.
6.3	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.

7. Energy Conservation Measures

S. No	EC Conditions
7.1	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
7.2	Restrict Gas flaring to < 1%.
7.3	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;
7.4	Provide LED lights in their offices and residential areas.

8. Energy Conservation Measures In Case Of Reheating Furnace

S. No	EC Conditions
8.1	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
8.2	Practice hot charging of slabs and billets/blooms as far as possible.
8.3	Ensure installation of regenerative type burners on all reheating furnaces

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

S. No	EC Conditions
9.1	The project proponent shall provide waste heat recovery system on the DRI Kilns.
9.2	The dolochar generated shall be used for power generation.
9.3	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.
9.4	The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.

10. Waste Management

S. No	EC Conditions
10.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
10.2	Kitchen waste shall be composted or converted to biogas for further use.
10.3	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.
10.4	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.
10.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

S. No	EC Conditions
10.6	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.

11. Green Belt

S. No	EC Conditions
11.1	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.
11.2	Project proponent shall submit a study report on Decarbonisation 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.
11.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

12. Public Hearing And Human Health Issues

S. No	EC Conditions
12.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
12.2	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.
12.3	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.
12.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

13. Environment Management

S. No	EC Conditions
13.1	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

S. No	EC Conditions
	Administration as committed.
13.2	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or 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.
13.3	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 report to the head of the organization.
13.4	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.

14. Miscellaneous

S. No	EC Conditions
14.1	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.
14.2	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.
14.3	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.
14.4	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.
14.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
14.6	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.
14.7	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)

S. No	EC Conditions
	Rules, 1986, as amended subsequently and put on the website of the company.
14.8	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.
14.9	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.
14.10	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.
14.11	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.
14.12	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).
14.13	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.
14.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
14.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
14.16	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.
14.17	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.

S. No.	Particulars	Details																				
a.	Terms of Reference for undertaking EIA study	11.05.2025																				
b.	Period of baseline data collection	1 st March 2025 to 31 st May 2025																				
c.	Date of Public Consultation	11th September, 2025																				
d.	Action plan to address the PH issues	Public Hearing and need based activities detail proposed are attached as Annexure IV .																				
e.	Location of the project	located at Village: Palitpur, Mouza: Palitpur & Saraitikar, District: Purba Bardhaman, West Bengal																				
f.	Total land	23.63 hectares (58.39 acres) [Private: 23.63 ha]																				
g.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	- Land Acquired : 1.33 Hectares (3.29 Acres) - e-Assessment Slip received from the Directorate of Registration & Stamp Revenue, Government of West Bengal. - Land To be acquired : 22.30 Hectares (55.10 Acres) - Notarized Memorandum of Understanding (MoUs) with the private land Owners showing willingness to sell their land.																				
h.	Existence of habitation & involvement of R&R, if any	Project Site is located at village Palitpur. <u>NEARBY HABITATIONS (WITHIN 2 KM)</u> <table><tr><th>Sl. No.</th><th>Name of Habitation</th><th>Distance</th><th>Direction</th></tr><tr><td>1</td><td>Palitpur</td><td>0.3 Km</td><td>NW</td></tr><tr><td>2</td><td>Kamnara</td><td>1.2 Km</td><td>NE</td></tr><tr><td>3</td><td>Mirzapur</td><td>1.4 Km</td><td>E</td></tr><tr><td>4</td><td>Natungram</td><td>1.5 Km</td><td>W</td></tr></table> Status of R&R : Not applicable	Sl. No.	Name of Habitation	Distance	Direction	1	Palitpur	0.3 Km	NW	2	Kamnara	1.2 Km	NE	3	Mirzapur	1.4 Km	E	4	Natungram	1.5 Km	W
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3	Mirzapur	1.4 Km	E																			
4	Natungram	1.5 Km	W																			
i.	Elevation of the project site	54 m above mean sea level (AMSL).																				
j.	Involvement of Forest land if any.	No Forest Land is involved in the project site.																				
k.	Water body exists within the project site as	<u>Project site:</u> Nil <u>Study area:</u>																				

S. No.	Particulars	Details						
	well as study area	➤ Damodar River is around 7.5 km towards south direction w.r.t. the Project Site. ➤ DVC Canal - 1 km from the project site Seasonal Nala passing outside the proposed project site boundary						
l.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	There is no National Park / Bio-sphere Reserve / Elephant corridor/ Tiger reserve within 10 Km from the project area. The project site is located at 3.0 km from Ramnabagan Wild Life Sanctuary. NOC from PCCF, West Bengal has been obtained dated 08.09.2025.						
m.	Project cost	The capital cost of project is Rs 810.0 crores						
n.	EMP cost	<table border="1"> <thead> <tr> <th>EMP</th><th>Capital (Rs. in Crores)</th><th>Recurring (Rs. in Crores)</th></tr> </thead> <tbody> <tr> <td></td><td>68.3</td><td>6.0</td></tr> </tbody> </table>	EMP	Capital (Rs. in Crores)	Recurring (Rs. in Crores)		68.3	6.0
EMP	Capital (Rs. in Crores)	Recurring (Rs. in Crores)						
	68.3	6.0						
o.	Employment opportunity	The employment generation from the proposed project is 1000 (300 Permanent and 700 Contractual) persons.						
p.	Water and Power requirement	The water requirement for the proposed project is estimated as 1900 cu.m/day. Power – The total power requirement will be 130 MW.						
q.	CPA/SPA	The Project location is not in CPA/SPA.						

Unit configuration and capacity

Sl. No.	Name of the Units	Units Configuration	Production Capacity	Product Name
1	Sponge Iron Plant	2x500 TPD DRI Kilns	3,40,000 TPA	Sponge Iron
2	Induction Furnaces with matching LRF, CCM & Slab Caster	8x20 T (New) along with 1x10 T AOD & 1x10 T VOD & Matching LRF & CCM, 1X20 TPH capacity Slag Crusher Unit	5,54,400 TPA	Billets
3	Ferro Alloy plant	5x9 MVA Submerged Arc Furnaces and 1x20 TPH Chrome Ore Briquetting Plant	82,000 TPA Si-Mn or 1,11,000 TPA Fe-Mn or 38,000 TPA Fe-Si or 84,000 Fe-Cr	Si-Mn or Fe-Mn or Fe-Si or Fe-Cr
4	Rolling Mill	0.55 MTPA with 1x30 TPH Reheating Furnace (Standby)	0.55 MTPA	Sectional Steel & TMT Bars
5	Galvanising Unit	60,000 TPA	60,000 TPA	Shapes & Section
6	Producer Gas Plant (PGP)	2x4000 Nm ³ /Hr	8,000 Nm ³ /Hr	Producer Gas
7	Captive Power Plant	30 MW capacity Captive Power Plant (24 MW WHRB + 6 MW AFBC)	30 MW capacity Captive Power Plant (24 MW WHRB + 6 MW AFBC)	Electric Power
Note: Induction Furnace: 10 Heats per day & 350 working days per year. Sponge Iron : 340 working days per year				

Action plan as per MoEF&CC O.M. dated 30/09/2020

Concerns raised during Public Hearing	Physical Activity and Action Plan	Particulars	YEAR OF IMPLEMENTATION			Total Expenditure (Rs. in Lakhs)
			1 st Year	2 nd Year	3 rd Year	
Employment for local youth Raised by : Goutam Hazra Barin Yash of Mirzapur, Ram Late of Palitpur, Sk. Golam Malik of Saraitikar and Sk. Chandu, Ex Panchayat Samiti Member	The company plans for skill development programme for the local youth through consultation with the authority of Local ITI.	Physical Target (3 years)	Providing support to the Training Institute			
		Budget (Rs. Lakh)	10	10	10	30
Green Belt Development in the local area Raised by : Goutam Hazra of Mirzapur and Sk. Chandu, Ex Panchayat Samiti Member	The company plans for • Avenue Plantation in local area (on the available spaces) • Two-tier green belt in nearby schools • Green belt in nearby Health Centre / Temple • Plantation around the local pond for soil conservation.	Physical Target (3 years)	Plantation of 2000 saplings	Plantation of 2000 saplings	Plantation of 2000 saplings	
		Budget (Rs. Lakh)	20	20	20	60
Local Drainage System Raised by : Goutam Hazra Barin Yash of Mirzapur, Jayanta Mondal, Upo Prodhan of Saraitikar Gram Panchayat	Construction of new drains / maintenance of local drainage (in consultation with the local civic authority)	Physical Target (3 years)	Construction / repairing of drains			
		Budget (Rs. Lakh)	75	75	75	225
Local Roads Raised by : Goutam Hazra Barin Yash of	Construction of new roads / maintenance of local roads (in	Physical Target (3 years)	Construction / repairing of roads			

Concerns raised during Public Hearing	Physical Activity and Action Plan	Particulars	YEAR OF IMPLEMENTATION			Total Expenditure (Rs. in Lakhs)
			1 st Year	2 nd Year	3 rd Year	
Mirzapur, Jayanta Mondal, Upo Prodhan of Saraitikar Gram Panchayat	consultation with the local civic authority	Budget (Rs. Lakh)	75	75	75	225
Underground Water Level Raised by : Sri Ram Late of Palitpur	- De-siltation of local pond - Soil conservation activities of local ponds	Physical Target (3 years)	Local pond renovation in consultation with the local authority			150
		Budget (Rs. Lakh)	50	50	50	
Maintaining the environmental norms Raised by : Monoj Orai, Binoy Maji, Sreeram Bhandari	- Adequate control measures shall be taken by deploying ESPs, Bag Filters, Fume Extraction System and Tall Stacks, regular water spray on roads - Internal roads shall be concreted. - Zero Liquid Discharge concept shall be adopted. - Noise reduction system shall be provided.	Physical Target (3 years)	The physical Target for the entire activities shall be achieved in 3 years.			0
		Budget (Rs. Lakh)	Included in the EMP Cost.			
TOTAL						690

NEED BASED ACTION PLAN

Need based issue identified	Physical Activity and Action Plan	Particulars	YEAR OF IMPLEMENTATION			Total Expenditure (Rs. in Lakhs)
			1 st Year	2 nd Year	3 rd Year	
Education Support	- Renovation of class room - Filtered water supply - Providing computer	Physical Target (3 years)	Providing support to the nearby schools			

	• Support to students • Providing books to library • Support to school sports	Budget (Rs. Lakh)	50	50	50	150
Medical Support	• Medical Camp • Arrangement • Providing free medicines to villagers • Support local health centres • Providing Ambulance	Physical Target (3 years)	Providing medical support			
		Budget (Rs. Lakh)	30	30	30	90
Street Light Arrangement	Arrangement of solar lights beside village roads	Physical Target (3 years)	Arrangement of solar lights beside village roads			
		Budget (Rs. Lakh)	25	25	25	75
Support to local sports	• Development of local playground • Arrangement of sports • Support to football academy	Physical Target (3 years)	Support to sports & culture			
		Budget (Rs. Lakh)	20	20	20	60
Renovation of local village temples	Renovation of local village temples	Physical Target (3 years)	Renovation of local village temples			
		Budget (Rs. Lakh)	25	25	25	75
Women Empowerment	Training programmes for women on tailoring Embroidery designs, Home Foods / Fast Foods, Pickles, Painting, Interior Decoration and other Vocational Courses and financial assistance	Physical Target (2 years)	Training and financial aid to women			
		Budget (Rs. Lakh)	20	20	20	60
Awareness programmes on girl education and Counselling of parents	Awareness programmes on girl education and Counselling of parents and providing time to time financial aid	Physical Target (2 years)	-			
		Budget (Rs. Lakh)	10	10	10	30
TOTAL						540

OVERALL BUDGET

Budgetary Provision towards addressing the issues raised during public hearing / consultation (A)	Rs. 690 Lakhs
Budgetary Provision towards carrying out Need Based Activities (B)	Rs. 540 Lakhs
Total Budgetary Provision towards CER	Rs. 1,230 Lakhs *

