

**Half Yearly Compliance Report
2025**

01 Jun(01 Oct - 31 Mar)

Acknowledgement

Proposal Name	Iron Ore Beneficiation Plant (2x1.5 MTPA) - 3.0 MTPA, Pellet Plant (2 x 1.2 MTPA) – 2.4 MTPA, Producer Gas Plant (14 x 5000 NM3/Hr.)- 588 MNM3 per annum, DRI Kilns (8x600 TPD) – 1.68 MTPA, WHRB Power through DRI kilns – (8 x 15 MW)-120 MW ,Through BF - 18 MW , Through Coke Oven- 15 MW and CFBC based Power Plant of (2 x 15 MW)- 30 MW, SMS – IF (18 x 20 T) with LRF (6 X 20 T)- 1.26 MTPA, BOF (1 x 50 T) with LRF (1 x 50 T) and VD unit (1 x 50 T)- 0.525 MTPA and EAF (1 X 50 T)with LRF (1 x 50 T) - 0.175 MTPA, Rolling Mill through hot charging (3 x 1000 TPD) - 1.05 MTPA, Sinter Plant (1x 100 m2) – 1.092 MTPA ,Blast Furnace (1x750 m3) – 0.7875 MTPA, Coke Oven Plant (Non recovery) – 0.5 MTPA, Ferro Alloys (4 x 9 MVA)- 0.084 MTPA, Oxygen Plant (1x250 TPD) - 0.087 MTPA, Lime & Dolomite Plant (1x 450 TPD) – 0.1575 MTPA, Brick Manufacturing Unit -350 Million Bricks/Year & Slag Recycling Plant (1 x 150 TPD) – 0.0525 MTPA		
Name of Entity / Corporate Office	SHYAM STEEL WORKS (P) LIMITED		
Village(s)	Lachhmanpur		
District	PURULIA		
Proposal No.	IA/WB/IND1/408696/2022	Category	Industrial Projects - 1
Plot / Survey / Khasra No.	J.L no. 145, survey no. 2142	Sub-District	Raghunathpur - I
State	WEST BENGAL	Entity's PAN	*****8216J
MoEF File No.	IA-J-11011/228/2021-IA-II(IND-I)	Entity name as per PAN	SHYAM STEEL WORKS PRIVATE LIMITED

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	Sir, We are hereby submitting the Half Yearly EC Compliance Report (Period from 1st October 2024 to 31st March, 2025) of Shyam Steel Works Private Ltd located at JSK -II, Lachmanpur, PO - Ramkanali, Block- Raghunathpur 1, PS - Raghunathpur, Dist - Purulia, West Bengal - 723142 for your kind perusal.
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office SHYAM STEEL WORKS (P) LIMITED

	Project Area as per EC Granted	Actual Project Area in Possession
Private	242.81	242.81
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	242.81	242.81

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	TMT	Tons per Annum (TPA)	31/01/2029	10,50,000	57,062.788	3,50,000
2	Power through WHRB	MW	31/01/2029	120 (8x15)	95539	30 (2x15)
3	Sponge Iron	Tons per Annum (TPA)	31/01/2029	16,80,000	90842.09	4,20,000
4	MS Billet	Tons per Annum (TPA)	31/01/2029	12,60,000	1,42,349.72	4,20,000

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The company 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.
PPs Submission: Agreed to Comply Noted for Compliance		Date: 29/05/2025
2	Statutory compliance	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
PPs Submission: Being Complied Detailed Decarbonisation Report has been included in the EIA / EMP Report, wherein the utilisation		Date: 29/05/2025

of modern technologies for capturing carbon and development of carbon sequestration resources has been mentioned. We have already started tracking the Scope 1, 2 and 3 emission from all the existing process unit of our plant. Copy of the decarbonisation report is attached as Annexure -I		
3	WASTE MANAGEMENT	Tailings from Iron Ore washing plant shall be dewatered in filter press and stored dry maximum for a period of 45 days inside the plant premises.
PPs Submission: Agreed to Comply Noted for Compliance. As recommended in the EIA/EMP, we will ensure that tailing generation, storage and its end use at brick manufacturing unit is adhered to.		Date: 29/05/2025
4	WASTE MANAGEMENT	Solid waste utilization a. Maximum 90 days of slag storage area shall be permitted inside the plant. b. 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. c. PP shall recycle/reuse 100 % solid waste generated in the plant. d. Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed. e. Used refractories shall be recycled as far as possible.
PPs Submission: Being Complied a)The slags are being utilised inside the plant within the time frame. IF Slag is crushed and after metal recovery subsequently send for TCLP test, and then it is being utilised in the brick manufacturing unit and for road making. Copy of the TCLP Test Report is attached as Annexure - II (b) It is being complied as a part of solid waste management plan. (c) It is being complied. (d) Will be complied after the commissioning of the sinter plant.		Date: 29/05/2025
5	ENERGY PRESERVATION MEASURES	Sinter Plant a. Sinter cooler waste recovery system shall be installed to generate process steam or power. b. Equipped with MEROS technology to reduce emission of SO ₂ , NO _x and heavy metals.
PPs Submission: Agreed to Comply Noted for Compliance and will be implemented before the commissioning of the plant.		Date: 29/05/2025
6	AIR QUALITY MONITORING AND PRESERVATION	Coke Oven Plant a. Coke Dry Quenching (CDQ) shall be installed. b. Coke Oven Gas shall be desulfurized. c. Tar sludge shall be mixed with coal and reused.
PPs Submission: Agreed to Comply Noted for Compliance and will be implemented during the commissioning of the plant.		Date: 29/05/2025
7	Statutory compliance	BF 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.
PPs Submission: Agreed to Comply Noted for Compliance and will be implemented during the commissioning of the plant.		Date: 29/05/2025
8	AIR QUALITY MONITORING AND PRESERVATION	Secondary fume extraction system shall be installed on converters of Steel Melting Shop.
PPs Submission: Agreed to Comply Noted for Compliance. We have not yet installed the SMS Converter. As per our EC proposal we will install the secondary fume extraction system only after installation of SMS Converter.		Date: 29/05/2025
9	Statutory compliance	Basic Oxygen Furnace (BOF) gas shall be cleaned dry.

<p>PPs Submission: Agreed to Comply Noted for Compliance and will be Complied after completion of project work.</p>		<p>Date: 29/05/2025</p>
10	ENERGY PRESERVATION MEASURES	Waste Heat Recovery system for charge preheating shall be included for Electric Arc Furnace.
<p>PPs Submission: Agreed to Comply Noted for Compliance.</p>		<p>Date: 29/05/2025</p>
11	Statutory compliance	Action plan for setting up of captive railway siding for transportation of materials shall be implemented.
<p>PPs Submission: Partially Complied Is in process of Compliance.</p>		<p>Date: 29/05/2025</p>
12	Statutory compliance	Submerged Arc Furnace and Electric Arc Furnace shall be closed type with 4th hole extraction system.
<p>PPs Submission: Agreed to Comply Noted for Compliance. The Arc Furnace as proposed in our EC proposal, has not yet been installed. During installation we will provide the Closed Type Furnaces with 4th Hole Extraction System.</p>		<p>Date: 29/05/2025</p>
13	Statutory compliance	85-90 % of billets/slabs shall be rolled directly in hot stage. Only 10-15 % rolling shall be done through RHF using only Light Diesel Oil or Mixed BF/CO gas.
<p>PPs Submission: Being Complied Being Complied.</p>		<p>Date: 29/05/2025</p>
14	Statutory compliance	Dust emission from Steel Plant stacks shall not exceed 30 mg/Nm ³ .
<p>PPs Submission: Being Complied Particulate emissions from the process stack are maintained below 30 mg/NM³ except during exigencies. Monthly Stack monitoring is conducted by the third party agencies registered with SPCB in accordance with CPCB guidelines.</p>		<p>Date: 29/05/2025</p>
15	Human Health Environment	The nearest human settlement from the site are Maharaj Nagar (0.02 Km, SE), Lachhmanpur (0.03 Km, E), Shikratyar (0.06 Km, S), Digardhi (0.05 Km, SE), Jarukhamar (0.54 Km, NW), Talshankra (1.7 Km, SW) and Senera (0.85 Km, S). Project Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The PP shall also include some of these locations in its environmental monitoring programme.
<p>PPs Submission: Being Complied All necessary environmental protection measures, including the development of a green belt along the entire plant boundary, have been implemented to ensure effective environmental safeguards and also to minimize the impact on local communities. Pollution control equipment, such as Electrostatic Precipitators (ESPs), bag filters, conveyors with canopy covers, and dust suppression systems, have been installed to reduce pollution levels. Additionally, some dust suppression systems are currently under construction. The adjacent villages are being supported through an environmental monitoring program in regular basis by third party NABL approved Lab. Copy of the green belt development is attached as Annexure III.</p>		<p>Date: 29/05/2025</p>
16	Statutory compliance	30,743 KLD water will be required for the proposed project; which will be sourced from Panchet Reservoir of Damodar Valley Corporation. Necessary permission shall be obtained from the

		Competent Authority in this regard. No ground water extraction is permitted.
<p>PPs Submission: Being Complied Water drawl permission to draw 6.0 MGD from DVRRRC was obtained dated on 20th December 2022. Apart from that, an agreement with DVC, Maithan was also executed vide letter no. MRO Tariff Cell SSWPL 318 dated 18th April 2023. Copy of Water Withdrawal permission is attached as Annexure IV and Copy of Agreement with DVC is attached as Annexure V.</p>		Date: 29/05/2025
17	MISCELLANEOUS	There are 2 ponds in Digardhi village, a pond in Lachhmanpur and a pond in Siulibari village within the project site. Action plan for conservation of Digardhi Village Pond and Sikratyar village pond shall be strictly implemented.
<p>PPs Submission: Being Complied In recognition of the significance of Digardhi and Sikratyar village ponds to the local community, all necessary conservation measures have been implemented. These include the construction of fencing, embankments, and the planting of vegetation around the ponds. Additionally, the depth of the ponds has been increased, and the inner surfaces have been reinforced with HDPE lining supported by PCC, wherever required.</p>		Date: 29/05/2025
18	Statutory compliance	There is Stream passing along South West Boundary toward North direction approaching Panchet Reservoir. Apart from these UttalaNadi (3.5 Km, NW), Panchet Reservoir (8.0 Km, NNE), Panchet Dam (9.0 Km, NNE), Ramachandrapur Reservoir (10.2 Km, E), Maharajagar Village Pond (0.4 Km, SE), Sikratyar village pond (Adjacent, S), Kelahi village pond (0.5 Km, W), Durmut Village Pond (2.9 Km, W), and Garh Panchkot Village Pond (3.8 Km, NEE) exists within the study area of the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
<p>PPs Submission: Agreed to Comply Noted for Compliance. Storm water drainage report has been included in EIA/EMP wherein collection, channelization and utilization of storm water is given as per the topographical features. As the project progresses, we implement the recommendations of the storm water drainage report required to protect the natural drainage and its flow parameter along the erosion control practices. Copy of the RHW and storm water drainage report is attached as Annexure VI</p>		Date: 29/05/2025
19	PUBLIC HEARING	PP shall undertake village adoption and formulate Village Adoption program consisting of need-based community development activities, shall be prepared to develop them into model villages. PP shall submit details of the villages to be adopted.
<p>PPs Submission: Agreed to Comply Noted for Compliance. It will be done considering the SIA study report.</p>		Date: 29/05/2025
20	MISCELLANEOUS	The Action Plan for the Panch-tatva (5 commitments) including fossil fuel reduction road map and net-zero carbon emissions shall be strictly implemented.
<p>PPs Submission: Agreed to Comply Noted for Compliance.</p>		Date: 29/05/2025
21	WATER QUALITY MONITORING AND PRESERVATION	The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. MSW waste shall be treated in digester and

		recovered gas shall be used in the canteen.
<p>PPs Submission: Partially Complied In a process of Complying. STP has been installed and operated to mitigate discharge of domestic effluent from the plant. Canteen waste have been composted in organic waste composter installed at strategic locations.</p>		<p>Date: 29/05/2025</p>
22	Statutory compliance	The company shall also undertake rain water harvesting measures as per the plan submitted in the EIA/EMP report and reduce water dependence from the outside source.
<p>PPs Submission: Partially Complied In a process of Complying. The implementation of Rain water harvesting system is in process, in reference to this a detailed study at the plant level has been recently conducted by the NRIEMT, team and civil work will be started soon.</p>		<p>Date: 29/05/2025</p>
23	LAND RECLAMATION	All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.
<p>PPs Submission: Partially Complied In a process of Complying.</p>		<p>Date: 29/05/2025</p>
24	MISCELLANEOUS	All internal and connecting road to the Highway shall be black topped/ concreted with suitable load in term of Million Standard Axle (MSA) as per IRC guidelines.
<p>PPs Submission: Being Complied SH-5 is located adjacent to the project site and complies with IRC guidelines. Additionally, the work is in progress for the construction of the internal roads as paved (pucca) roads, this minimizes pollution resulting from vehicular movement. As the project progress, all the roads inside the plant will be concreted.</p>		<p>Date: 29/05/2025</p>
25	GREENBELT	Three tier Green Belt shall be developed covering at least 33% of the total project area maximum in the 1st year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy to act as green barrier for air pollution & noise levels towards the villages namely Maharaj Nagar (0.02 Kms), Lachhmanpur (0.03 kms), Shikratyar (0.06 Kms) and Digardhi (0.05 kms) inside the plant premises. Compliance status in this regard, shall be submitted to concern Regional Office of the MoEF&CC.
<p>PPs Submission: Being Complied The green belt development is a continuous process and it has been started simultaneously with the plant construction which will further mitigate the pollution impact. Greenbelt have been developed in a set of rows of trees planted in such a way that, they form an effective barrier between the plant and the surroundings. The main purpose of greenbelt development is to contribute the following factors. a. To maintain ecological homeostasis. b. To attenuate the air emission from the Klin and the fugitive dust emissions. c. To prevent the Soil erosion. d. To attenuate noise levels. Till date 12563 nos of plantation have been done.</p>		<p>Date: 29/05/2025</p>
26	GREENBELT	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

<p>PPs Submission: Agreed to Comply Noted for Compliance. Plantation of grass, flowers, bushes and trees are being considered with the plant construction to reduce the generation of dust from the bare earth and to increase aesthetic value.</p>		<p>Date: 29/05/2025</p>
27	MISCELLANEOUS	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.
<p>PPs Submission: Agreed to Comply Noted for Compliance. The performance test of all pollution control system of the plant is going to be conducted by reputed institute. A copy of the report will be submitted to MoEF CC and WBPCB within the stipulated time after the completion of the work and along with the Six monthly compliance report.</p>		<p>Date: 29/05/2025</p>
28	MISCELLANEOUS	Parking area for trucks/dumpers shall be provided within the steel plant. No truck/dumper shall be parked outside the steel plant premises.
<p>PPs Submission: Being Complied Parking area for Trucks or dumpers have been made inside the plant premises. We ensure that, trucks or dumpers is parked in designated area within the plant. Copy of the photographs is attached as Annexure VII.</p>		<p>Date: 29/05/2025</p>
29	WATER QUALITY MONITORING AND PRESERVATION	Air Cooled condensers shall be used in the captive power plant.
<p>PPs Submission: Agreed to Comply Noted for Compliance. It will be installed before the commissioning of the CFBC boiler in the Captive Power Plant.</p>		<p>Date: 29/05/2025</p>
30	WASTE MANAGEMENT	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
<p>PPs Submission: Agreed to Comply Noted for Compliance. E-Waste (Management) Rules, 2022 will be followed.</p>		<p>Date: 29/05/2025</p>
31	Statutory compliance	The environmental issues arising out from the route for producing of billets shall be controlled and mitigation measures be implemented.
<p>PPs Submission: Being Complied The Fume Extraction System along with dust extraction system have already been installed at SMS Unit to mitigate the environmental issues irrespective of route for producing billets.</p>		<p>Date: 29/05/2025</p>
32	Risk Mitigation and Disaster Management	All the recommendations made in the risk assessment report shall be implemented and compliance status in this regard shall be furnished to the Regional Office of the MoEF&CC along with the six monthly compliance report.
<p>PPs Submission: Agreed to Comply Will be complied as per the recommendation in the EIA /EMP report.</p>		<p>Date: 29/05/2025</p>
33	PUBLIC HEARING	All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020

		shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
<p>PPs Submission: Agreed to Comply Will be complied .We will adhere strictly and religiously to all commitments and recommendations made during the Public Hearing, Public Consultation, and Social Impact Assessment Study of the project, as outlined in the Environmental Management Plan (EMP) in accordance with the Ministry's Office Memorandum dated 30.09.2020. Progress reports will be submitted to the IRO, MOEFCC at regular intervals along with the six monthly compliance report. Copy of the action plan of SIA and Public Hearing report is attached as Annexure VIII.</p>		Date: 29/05/2025
34	Statutory compliance	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.
<p>PPs Submission: Being Complied Being Complied.</p>		Date: 29/05/2025
35	Statutory compliance	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.
<p>PPs Submission: Being Complied All required environmental protection measures such as green belt development all along plant boundary, appropriate pollution control equipments such as ESPs, Bag filters, Telescopic Chutes, Wet Scrappers, Pug mills, covered conveyers and dust suppression systems etc. are being provided and operated , duly ensuring environmental safeguard measures to minimize the impact on the surrounding ecology. Apart from that we will be deploying sufficient numbers of additional truck mounted Fog or mist water cannons inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.</p>		Date: 29/05/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	(iii) Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.

<p>PPs Submission: Being Complied Sampling facility provided at all process stacks for manual monitoring of emissions. Photographs of Stack Sampling facility is attached as Annexure XII</p>		<p>Date: 29/05/2025</p>
2	GREENBELT	(i) The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
<p>PPs Submission: Being Complied GHG emission inventory prepared and will be maintained on yearly basis. . We exclusively have green belt development plan for carbon sequestration. Copy of the same has already attached as Annexure I</p>		<p>Date: 29/05/2025</p>
3	Statutory compliance	(i) The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
<p>PPs Submission: Agreed to Comply Noted for compliance and will be followed strictly and accordingly.</p>		<p>Date: 29/05/2025</p>
4	AIR QUALITY MONITORING AND PRESERVATION	(i) The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
<p>PPs Submission: Being Complied We have installed one no of CAAQMS station to monitor ambient air quality and it is connected to online servers of CPCB since 1st of October 2024. In continuation of this, rest 5 Nos of CAAQMS will be installed in phase wise manner. This system is being calibrated time to time according to equipment supplier specifications through labs recognised under Environmental (Protection) Act, 1986 or, NABL accredited laboratories. We are also in a process of implementation of CEMS systems in the process stack of our plant. The registration and the integration process of this system with the CPCB server has been initiated from our side and currently waiting for the confirmation from CPCB. Copy of the Stack Emission Monitoring Report and Ambient Air Quality Monitoring Report is attached as Annexure IX and X.</p>		<p>Date: 29/05/2025</p>
5	AIR QUALITY MONITORING AND PRESERVATION	(ii) The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
<p>PPs Submission: Being Complied Quarterly Monitoring of fugitive emissions by third party is done by NABL accredited lab. Copy of Third Party test report is attached as Annexure XI</p>		<p>Date: 29/05/2025</p>
6	AIR QUALITY MONITORING AND PRESERVATION	(iv) Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.

<p>PPs Submission: Being Complied Dry Fog, Sprinkler and Bag Filters are already provided in raw material handling area, we are also in the process of procuring and installation of more dry fog and Sprinkler system in our raw materials handling area, those areas are now covered with tarpaulin.</p>		<p>Date: 29/05/2025</p>
7	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>(v) The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.</p>
<p>PPs Submission: Being Complied Manometer and Automated Air purging system already incorporated with Bag Filter system for better maintenance of bags.</p>		<p>Date: 29/05/2025</p>
8	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>(vi) Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.</p>
<p>PPs Submission: Agreed to Comply Noted for Compliance. We already have one number of suction based mechanical sweeping machine / IVC, meanwhile, we are in a process of hiring the said machine through a vendor.</p>		<p>Date: 29/05/2025</p>
9	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>(vii) 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.</p>
<p>PPs Submission: Being Complied Recycle and reuse of raw materials is done as collected from pollution control device.</p>		<p>Date: 29/05/2025</p>
10	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>(viii)The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.</p>
<p>PPs Submission: Being Complied Tarpaulin is made mandatory for all raw materials and waste materials carrying vehicles in plant premises. Photographs of Tarpaulin covered Trucks is attached as Annexure XIII</p>		<p>Date: 29/05/2025</p>
11	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>(ix) Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility).</p>
<p>PPs Submission: Agreed to Comply Noted for Compliance. It will be implemented during the commissioning of the project.</p>		<p>Date: 29/05/2025</p>
12	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>(x) Land-based APC system shall be installed to control coke pushing emissions.</p>
<p>PPs Submission: Agreed to Comply Will be Complied during the commissioning of the project.</p>		<p>Date: 29/05/2025</p>
13	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>(xi) Monitor CO, HC and O2 in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.</p>
<p>PPs Submission: Agreed to Comply Will be Complied during the commissioning of the project</p>		<p>Date:</p>

			29/05/2025
14	AIR QUALITY MONITORING AND PRESERVATION	(xii) Vapor absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.	
PPs Submission: Not Complied Not applicable as Non Recovery type Coke Oven has been proposed.			Date: 29/05/2025
15	AIR QUALITY MONITORING AND PRESERVATION	(xiii) Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	
PPs Submission: Agreed to Comply Will be Complied. The wind shelter fence will be constructed at the raw material and will be completed within the stipulated time.			Date: 29/05/2025
16	AIR QUALITY MONITORING AND PRESERVATION	(xiv) Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	
PPs Submission: Being Complied Adequate ventilation system provided in the designated area.			Date: 29/05/2025
17	WATER QUALITY MONITORING AND PRESERVATION	(i)The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (Integrated Iron & Steel); G.S.R 414 (E) dated 30th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	
PPs Submission: Agreed to Comply Noted for Compliance. It will be implemented after the commissioning of ETP.			Date: 29/05/2025
18	WATER QUALITY MONITORING AND PRESERVATION	(iii)The project proponent shall provide the ETP for coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) dated 31st March 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time as amended from time to time;	
PPs Submission: Agreed to Comply Noted for Compliance.			Date: 29/05/2025
19	WATER QUALITY MONITORING AND PRESERVATION	(iv) Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	
PPs Submission: Being Complied Sewage treatment plant installed and Third party testing is also conducted on quarterly basis. . Copy of Third Party test report is attached as Annexure XV			Date: 29/05/2025
20	WATER QUALITY	(v) Garland drains and collection pits shall be provided for each	

	MONITORING AND PRESERVATION	stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
PPs Submission: Being Complied Garland drains and collection pits are in a process of construction for each units and during the monsoon the surface runoff will be collected. The construction activity of the ongoing garland drainage network will be completed within the stipulated time. Photographs of in process Garland drains is attached as Annexure XVI		Date: 29/05/2025
21	WATER QUALITY MONITORING AND PRESERVATION	(vi) Tyre washing facilities shall be provided at the entrance of the plant gates.
PPs Submission: Agreed to Comply Will be Complied.		Date: 29/05/2025
22	WATER QUALITY MONITORING AND PRESERVATION	(vii) Treated water from ETP of COBP shall not be used for coke quenching.
PPs Submission: Agreed to Comply Will be Complied.		Date: 29/05/2025
23	WATER QUALITY MONITORING AND PRESERVATION	(viii) Water meters shall be provided at the inlet to all unit processes in the steel plants.
PPs Submission: Being Complied Water meter provided at the inlet area. Photographs of Water meter is attached as Annexure XVII		Date: 29/05/2025
24	Noise Monitoring & Prevention	(i) Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
PPs Submission: Being Complied Monitoring of Noise pollution is done on Quarterly basis by Third Party as per Noise Pollution Rules 2000. . Copy of Third Party test report is attached as Annexure XVIII		Date: 29/05/2025
25	ENERGY PRESERVATION MEASURES	(i) Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
PPs Submission: Being Complied After metal tapping in ladle we are using redex for metal cover and after ladle put on caster we cover the ladle top with steel ladle cover.		Date: 29/05/2025
26	ENERGY PRESERVATION MEASURES	(ii) Restrict Gas flaring to < 1%.
PPs Submission: Agreed to Comply Will be complied after commissioning of the plant.		Date: 29/05/2025
27	ENERGY PRESERVATION MEASURES	(iii) Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;

<p>PPs Submission: Agreed to Comply Will be complied.</p>		<p>Date: 29/05/2025</p>
28	ENERGY PRESERVATION MEASURES	(iv) Provide LED lights in their offices and residential areas.
<p>PPs Submission: Being Complied LED Lights Provided in Offices and residential areas.</p>		<p>Date: 29/05/2025</p>
29	ENERGY PRESERVATION MEASURES	(v) Ensure installation of regenerative type burners on all reheating furnaces.
<p>PPs Submission: Agreed to Comply Noted for Compliance</p>		<p>Date: 29/05/2025</p>
30	WASTE MANAGEMENT	(i) 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.
<p>PPs Submission: Agreed to Comply Will be Complied.</p>		<p>Date: 29/05/2025</p>
31	WASTE MANAGEMENT	(ii) Kitchen waste shall be composted or converted to biogas for further use.
<p>PPs Submission: Being Complied Composter provided and waste food including kitchen waste is being composted into the Composter on regular basis (100 kg per day). Photographs of Composter is attached as Annexure XIX</p>		<p>Date: 29/05/2025</p>
32	GREENBELT	(ii) 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 offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames", when PP comes for EC proposal. This study shall be formulated keeping in view of India's Net-zero commitment at the COP-26 Climate Summit.
<p>PPs Submission: Partially Complied A comprehensive de-carbonization report has been included in the Environmental Impact Assessment (EIA) / Environmental Management Plan (EMP) report, which outlines modern technologies for carbon capture and carbon sequestration resources. The majority of the project is currently in the construction phase, and we have begun tracking Scope 1, 2, and 3 emissions based on the existing units. A decarbonisation program will be developed to achieve net-zero emissions, and the progress will be reported to the Regional Office (RO) of the Ministry of Environment, Forest and Climate Change (MoEF CC) at the specified intervals.</p>		<p>Date: 29/05/2025</p>
33	Risk Mitigation and Disaster Management	(i) Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
<p>PPs Submission: Being Complied Hazard Identification and Risk Assessment. Emergency Preparedness Plan (Disaster Management Plan) countersigned by Area Factory Inspector is in process of Implementation in organization.</p>		<p>Date: 29/05/2025</p>

Copy of HIRA is attached as Annexure XX		
34	Risk Mitigation and Disaster Management	(ii)The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
PPs Submission: Being Complied We are doing heat stress analysis for the workmen who works in high temperature work zone on regular basis. We, are also providing PPEs as per norms to the personals engaged at high temperature work zone.		Date: 29/05/2025
35	Risk Mitigation and Disaster Management	(iii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
PPs Submission: Being Complied We are conducting x- ray, audiometry and blood test on regular frequency covering all employees and maintain records accordingly. . Copy of Health checkup report is attached as Annexure XXI.		Date: 29/05/2025
36	Statutory compliance	Environment Management (i) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages, based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed by the PP.
PPs Submission: Being Complied CER/CSR Expenditure prepared on yearly basis and maintain records accordingly. . Copy of CER details is attached as Annexure XXII		Date: 29/05/2025
37	Statutory compliance	(ii) The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/ violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest/ wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report
PPs Submission: Complied The Company has a well defined Environmental Policy, approved by the Managing Director. The Unit Head has been authorized by the Board to sign, issue, and modify the Environmental Policy. The organization has established procedures that detail compliance with all environmental regulations, including the process for corrective actions aimed at continuous improvement. The policy provides a framework for setting and reviewing environmental objectives, which includes a commitment to fulfilling compliance obligations, protecting the environment, preventing pollution, and addressing other specific commitments relevant to the context of the organization Copy of the Corporate Environmental Policy is attached as Annexure XXIII.		Date: 29/05/2025
38	Statutory compliance	(iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
PPs Submission: Being Complied An Environmental cell has been established and currently 3 nos of qualified and experienced personals are there for smooth operation of all activities related to Environment. The environmental		Date: 29/05/2025

personnel will directly report to the Unit Head for statutory compliances and relevant activities.		
39	MISCELLANEOUS	(i) The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
PPs Submission: Being Complied EC issuance communication published in newspaper on dated 02.03.2023 in Aajkal (Bengali newspaper) and Indian Express (English newspaper). Copy of Newspaper cutting is attached as Annexure XXIV.		Date: 29/05/2025
40	MISCELLANEOUS	(ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
PPs Submission: Complied Clearance letter has been submitted to all concerned authority and also available in company website : https://shyamsteel.com Copy of the EC intimation letter is attached as Annexure XXV.		Date: 29/05/2025
41	MISCELLANEOUS	(iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
PPs Submission: Being Complied Copy of the environmental clearance has been uploaded at company's website i.e., https://shyamsteel.com		Date: 29/05/2025
42	MISCELLANEOUS	(iv) The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
PPs Submission: Being Complied All the Criteria Pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) along with sectoral parameters are being monitored by Third party NABL accredited Lab and duly displayed through electronic display board at convenient location of the plant (Main Gate No.2) for disclosure to the public and also put on the website of the company.		Date: 29/05/2025
43	MISCELLANEOUS	(v) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
PPs Submission: Being Complied Submitted on regular basis.		Date: 29/05/2025
44	MISCELLANEOUS	(vi) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

<p>PPs Submission: Being Complied The Environmental Statement for the Financial Year 2023-24, in Form-V, has been submitted to the West Bengal Pollution Control Board as per the requirements of the Environment (Protection) Rules, 1986, on 24th September 2024. Additionally, the statement had also been made available on the company's website at https://shyamsteel.com.</p>		<p>Date: 29/05/2025</p>
45	MISCELLANEOUS	(vii) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
<p>PPs Submission: Partially Complied Stipulated Condition has been partially complied as the project is a greenfield project. Copy of the intimation letter for the land development is attached as Annexure - XXVI.</p>		<p>Date: 29/05/2025</p>
46	MISCELLANEOUS	(viii) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
<p>PPs Submission: Agreed to Comply It will be Complied.</p>		<p>Date: 29/05/2025</p>
47	MISCELLANEOUS	(ix) The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
<p>PPs Submission: Agreed to Comply It will be complied.</p>		<p>Date: 29/05/2025</p>
48	MISCELLANEOUS	x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
<p>PPs Submission: Agreed to Comply Noted for Compliance.</p>		<p>Date: 29/05/2025</p>
49	MISCELLANEOUS	xi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
<p>PPs Submission: Agreed to Comply Noted for Compliance.</p>		<p>Date: 29/05/2025</p>
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.