

Ref: -SPS-1 /SMC/MoEFCC/OCT-2025 TO MAR-2026

Date: 08.06.2026

To,
The Dy. Director General of Forest (DDGF)
GOI, MoEF&CC, Sub Office, Kolkata
IB-198, Salt Lake City, Sector-III, Kolkata – 700106

Sub: Six Monthly (Oct-2025 to Mar-2026) Compliance to Environmental Clearance conditions vide MoEFCC F. No. J-11011/156/2020-IA. II(I) dated 01st September, 2022 by M/s SPS Steels Rolling Mills Limited, Dr Zakir Hussain Avenue, G.T Road (Indo American More) Durgapur, PO- ABL Sub Post office, Dist – Paschim Bardhaman (WB)-713206.

Respected Sir/Ma'am,

With reference to above, we are submitting herewith the six-monthly compliance report (Oct-2025 to Mar-2026) of M/s SPS Steels Rolling Mills Limited, Dr. Zakir Hussain Avenue, G.T Road (Indo American More) Durgapur, PO- ABL Sub Post office, Dist – Paschim Bardhaman (WB) as per the directives of Ministry of Environment Forest and Climate Change, Government of India. Point wise compliance status report along with latest environment monitoring data is enclosed for your kind perusal.

Hard copy of the report has not been sent following MoEFCC Eastern Regional Office direction vide File No. 106-12/EPE Dated 11.05.2020. Hope you will find the same in order.

Kindly acknowledge our submission.

Thanking You.

Yours faithfully,

For SPS Steels Rolling Mills Limited,

Authorized Signatory

Encl: as above



Copy to:

The Environmental Engineer, West Bengal Pollution Control Board, Durgapur, Regional office, Shahid Khudiram Sarani, City Center, Durgapur (WB)-713216

SPS STEELS MILL ROLLING MILLS LIMITED

SIX MONTHLY COMPLIANCE RPORT

COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE

MoEF&CC F. No.: J-11011/156/2020-1A. II (I) dated 01st September 2022

COMPLIANCE PERIOD

OCTOBER 2025 TO MARCH 2026

PROJECT LOCATION:

Dr. Zakir Hussain Avenue, G.T Road (Indo American More) Durgapur,
PO- ABL Sub Post office, Dist – Paschim Bardhman (WB)-713206.



Name of the Project	: M/S SPS STEELS ROLLING MILLS LIMITED
Environmental Clearance Ref.	: F. No.: J-11011/156/2020-IA.II (I) dated 01st September 2022
Period of Compliance Report	: October 2025 To March 2026

SL	CONDITIONS	COMPLIANCE STATUS
A. Specific Condition:		
i.	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	It is being/shall be complied. Environmental protection measures like air pollution control devices like bag filters and ESPs, stationed water sprinkler are installed and effectively utilized. Mobile tanker is utilized for watering roads during non-monsoon seasons. Greenbelt development and its maintenance, gap filling being done on regular basis. Risk mitigation measures have been adopted under the supervision of the safety department. Depending upon working conditions, appropriate PPEs have been provided to workers.
ii.	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	Noted. SPS has been implementing by adopting more carbon efficient technologies available in market at planning stage. In order to reduce carbon emission, hot billets are rolled directly into rolling mill from SMS. It drastically reduces emission as reheating of billets are not required anymore. 2 out of 3 reheating furnaces have been dismantled and rest one is kept on need-based utilization only. Afforestation has been as green belt as an effective carbon sequestration/carbon capture mechanism from atmosphere.
iii.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.	It is being/ shall be complied. Stack monitoring is conducted on regular interval by NABL, authorized laboratory to assess emission level of different pollution control devices. Skilled and experienced manpower is engaged in maintenance of APCDs. Last stack monitoring report is enclosed in Annexure-1 .
iv.	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials.	It is being complied. a. To control fugitive emission, metal covered conveyer belt is being used. Along with that, water sprinklers and dry fog system are installed at transfer points and other dust prone areas. Some of raw materials like coal are kept under shed and concreted yard. Coal shed photographs are attached in Annexure-2 .



	c. Wheel Washing mechanism shall be provided in entry and exit gates.	b. Vehicles engaged in raw material transportation are tarpaulin covered. c. It shall be complied. SPS steels is already concretized/paver blocked majority of internal roads to reduce fugitive dust accumulation due to transportation. RCC roads photographs are attached in Annexure-3 .
v.	Project proponent shall ensure to close 2 RH furnaces and go for 100 % hot charging. For emergency one RH would be retained to run on LDO or CBM as available in Durgapur. Coal shall not be used as fuel in the reheating furnace	It is complied. Two reheating furnaces have been dismantled and one is retained for emergency use is being/shall be run on LDO or CBM.
vi.	As committed, all conditions of CEPI including 40% green belt development and 1.5 times CER shall be complied with as per the mitigation measures submitted.	SPS has achieved 40% greenbelt of total project area with plant density of approx. 2502 trees/ha. Total Approx. 9,400 nos. trees have been planted and covering approx. 3.75 ha. by gap filling and new plantations. Survival rate of green belt developed being monitored to ensure that dry and damaged plants are replaced with new plantation. For the development of greenbelt indigenous species are used i.e. Radhachura, Neem, Arjun, Bat. Peepal, Bakul, Conocarpus, Kadam, Rain tree, Shishu, Sonajhuri, Siris, Ficus, Krishnachura Palm trees etc. Some photographs are attached as Annexure-4 . Execution of CER has been started and shall be done as per directions.
vii.	Particulate matter emission from stacks shall be less than 30 mg/Nm ³ .	Noted and complied. It is being/shall be complied. Units implemented under this new expansion project complying with emission limit of less than 30 mg/Nm ³ . Already installed (existing) projects complies with emission standards as per stipulated norms in CTO by West Bengal Pollution Control Board. Pollution control facilities are in the process of upgradation to achieve the emission limit of less than 30 mg/Nm ³ as per directions. Updated stack monitoring report is pinned in Annexure-1 .
viii.	The total water requirement of 1385 KLD shall be met from Durgapur Projects Ltd. (DPL). No ground water abstraction is permitted.	Noted and complied. No ground water is being abstracted in this project. Water withdrawal agreement has been made with Durgapur Projects Limited. Agreement copy is enclosed in Annexure-5 .
ix.	The company shall also undertake rain water harvesting measures as per the plan submitted and reduce water dependence from the outside source.	Rain water harvesting pond has been constructed to maximize natural water utilization and reduces dependency on outer sources. Photographs are attached in Annexure-6 .



x.	Left Bank Main Canal, Damodar River, Barjora Nadi, Kunur Nadi, Panagarh Branch Canal, Damodar Branch Canal exists within the study area of 10 km from the project site. The water bodies shall not be disturbed. 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.	No water bodies exist in 10 km from project area are withdrawal sources of water. SPS steels has adopted a drainage conservation scheme keeping into mind the natural flow parameters. In order to conserve soil and restrict soil erosion, dense afforestation and appropriate drainage system has been developed.
xi.	Air cooled condensers shall be used in the Power plant.	Air cooled condenser and closed-circuit cooling system will be provided to power plant to reduces water consumption.
xii.	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	Electronic waste is being generated in small quantity, kept in designated place and handed over to WBPCB authorized vendors. Form-6 is attached as Annexure-7 .
xiii.	Three tier Green Belt shall be developed in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Plantation in gaps in the green belt shall be done by the PP during the present monsoon period and maintenance of @2500 plants/ha shall be done in the following years. Additional plantation shall be made in the East Direction from plant site to minimise the effect on Durgapur Protected Forest. Greenbelt / Plantation outside the project premises such as avenue plantation in vacant areas and social forestry shall also be done through socio economic developmental activities. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.	total project area is 9.38 ha, out of this approx. 3.75 Ha of land has been covered under greenbelt with plant density of approx. 2502 trees/ha. Survival rate of greenbelt developed being monitored to ensure that dry and damaged plants are replaced with new plantation. For the development of greenbelt indigenous species are used for plantation i.e. Radhachura, Neem, Arjun, But. Peepal, Bakul, Conocarpus, Kadam, Rain tree, Shishu, Sonajhuri, Siris, Ficus, Krishnachura Palm trees etc. inside the plant and outside the plant periphery. Some photographs are attached as Annexure-4 . Additional plantation in the East Direction from plant site to minimize the effect on Durgapur Protected Forest has been done. Greenbelt/Plantation outside the project premises such as avenue plantation in vacant areas and social forestry has been started as a part of socio- economic developmental activities. Approx. 2000 plants have been planted in the east direction of the project beside Kali Mandir Road at Nasser Hussain Avenue. Some photographs are attached as Annexure-8 .
xiv.	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	Greening, paving and concreting inside plant area has been implemented to control soil erosion and dust control. However, most of the plant area is surrounded by civil structures and scope of erosion is very less.
xv.	The project proponent shall monitor the coal dust exposure concentrations at coal handling areas, ball mills, furnace charging areas through personal/area monitoring; and to be compared and it should be	It is being monitored. Coal is being stored in dedicated storage shed to avoid direct exposure to workmen. It is used as fuel for sponge iron making in rotary kiln. Necessary PPEs are provided to manpower working in this area.



	within 2 mg/m ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.	Coal dust is being monitored as per factory act and report is attached in Annexure-9 .
xvi.	The proposed project shall be designed as "Zero Liquid Discharge" Plant. There shall be no discharge of effluent from the plant. Domestic waste water will be treated in STP and treated water shall be re-used for greenbelt development and plantation and dust suppression.	Industrial waste water being recycled and reused. No discharge of industrial effluent water being done from the plant. Septic tanks and soak pits facilities are available for the treatment of domestic sewage water. STP shall be installed for the treatment of domestic waste water and treated water shall be re-used for greenbelt development and plantation and dust suppression. Effluent monitoring report is pinned in Annexure-10 .
xvii.	CEMS shall be provided on all process stacks and the signal shall be received in plant control room for central control of APCDs installed in the plant.	Continuous emission monitoring system (CEMS) has been installed in process stacks of DRI and operating 24x7. Its is connected with CPCB portal for data transmission.
xviii.	All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.	Concreting and paving of internal roads are mostly done and remaining area is under process of concretization.
xix.	Internal roads of plant premises shall be concreted and maintained in good condition. Industrial vacuum cleaners shall be used regularly to clean roads to reduce fugitive emissions.	Majority of the internal roads of the plant has been already concreted or paved and maintained well. Remaining roads are under process for the same. Some photographs of RCC roads are attached in Annexure-3 .
xx.	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.	Impervious flooring with water spraying system have been provided in material stock yards. Material run offs from yard is captured through catch area drain to restrict to take route outside the plant. However, materials like iron pellets, coals and sponge irons are kept under sheds. Rests are covered with tarpaulin.
xxi.	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.	Noted. Implementation of commitments made during public hearing/public consultation has been started and shall be complied as per directions.
xxii.	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the	Single use plastic (SUP) has been completely prohibited inside plant premises. Our EHS personnel are regularly creating awareness and periodic campaign among people working within the factory premises to avoid the Single Use Plastic (SUP) items.



	CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.	
xxiii.	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.	Clean Air Practices is being maintained with air pollution control devices like Bag filters, ESPs and wet scrubber are installed for this purpose. Ample numbers of fixed type water sprinklers have been provided to maintain fugitive dust emission. Movable water tanker is being used to reduce dust pollution caused by vehicle movement. Some photographs are enclosed in Annexure-11 .
B. General conditions:		
I. Statutory compliance:		
i.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	Noted. After obtaining the Environment Clearance, SPS steels has got Consent to Establish (CTE) and followed by Consent to Operate (CTO) for installation and operation of 5x20 Ton Induction Furnace. Rolling mill and DRI units are also under operation with valid CTO. Copies of CTE and CTO enclosed as Annexure-12A & 12B .
II. Air quality monitoring and preservation		
i.	The project proponent shall install 24x7 continuous emission monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31 st 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.	Continuous emission monitoring system (CEMS) has been installed in all process stacks and operating 24x7. It is connected with CPCB portal for data transmission. Although, NABL authorized laboratory is engaged in stack monitoring and reports are attached in Annexure-I .



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.	Complied. Fugitive monitoring is conducted on periodic basis. Reports are pinned in Annexure-13 .
iii.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Air Pollution Control (APC) systems like electrostatic precipitator and bag filters along with water sprinklers for effective dust suppression have been installed and operated to minimize emission level within prescribed standard. Last stack and fugitive monitoring reports are attached in Annexure-1 & 13 .
iv.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Being/shall be complied. Dedicated skilled manpower has been engaged in regular operation and maintenance of bag filters.
v.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum-cleaning devices in the process after briquetting / agglomeration.	Iron ore fine collected from the plant is provided to pellet making plants and coal fines are utilized in captive power plant. These adopted processes minimize raw wastage. No briquetting unit is proposed in this unit.
vi.	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	Complied. SPS steels ensures that raw materials like iron ore and coals are properly cover with tarpaulins to restrain spillage and dust generation.
vii.	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Fume extraction system has been installed at SMS attached with spark arrester and bag filters connected with 30-meter stack height.
viii.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	It is complied with.
III. Water quality monitoring and preservation		
i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31 st March 2012 (Integrated Iron & Steel); G.S.R 414 (E) dated 30 th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7 th 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.	Industrial waste water has been recycled and reused. After being moved to a scale pit to remove mill scale, the cooling water from the rolling mill is recycled back into the cooling system after undergoing pressure filtration treatment. In order to maintain the pH, the blowdown water from cooling tower and softener back wash taken to a homogenization tank and used again for dust suppression and slag colling. Septic tanks and soak pits are available for the treatment of domestic wastewater.
ii.	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and	Complied. Ground water is being monitored on pre and post monsoon basis and report is pinned in Annexure-14 .



	adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	
iii.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Currently, sewage water is being collected in septic tank followed by soak pit. STP shall be installed for the treatment of domestic waste water and treated Water shall be re-used for greenbelt/green cover development.
iv.	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.	After being moved to a scale pit to remove mill scale, the cooling water from the rolling mill is recycled back into the cooling system after undergoing pressure filtration treatment. No effluent is getting discharged from plant.
v.	Garland drains and collection pits shall be provided for each stock pile to arrest the run off in the event of heavy rains and to check the water pollution due to surface run off.	Complied. Raw materials yards of coal and iron pellets are surrounded by garland drain and catchment pit has been constructed to restrict surface runoffs.
vi.	Tyre washing facilities shall be provided at the entrance/exit of the plant gates.	Proper road sweeping being done on regular basis. Mobile water takers have been deployed for water sprinkling on roads for road dust suppression. Tyre washing facilities at the entrance/exit of the plant gate shall also be provided.
IV. Noise monitoring and prevention		
i.	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Complied. Both ambient and work zone noise quality is being monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000. Latest ambient and work zone noise monitoring reports are attached in Annexure-15A & 15B .
V. Energy Conservation measures		
i.	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.	Complied. Energy efficient LED light has been provided in office spaces. 2115 kWp rooftop solar panel has been installed to incorporate solar energy usage. Photograph is attached in Annexure-16 .
VI. Waste management		
i.	Used refractories shall be recycled.	Noted and being complied.
ii.	Kitchen waste shall be composted or converted to biogas for further use.	Noted. Kitchen waste is being converted into organic compost and used in horticulture works
VII. Green Belt		
i.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	Complied. GHG emission Inventory report and carbon sequestration study report with plantation report has been attached in Annexure-17 .



ii.	Project proponent shall submit a study report on Decarbonization 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.	Noted. The decarbonization program is in progress. SPS steels has installed solar panels as part of the energy transition pathway from fossil fuels to renewable energy, and it is currently operational. Transferring of hot billets from SMS to rolling mill has been modified to sequester and prevent carbon emissions and the combustion of fossil fuels. Reheating billets to produce rolled products from rolling mills has significantly reduced carbon emissions. out of three. Out of 3 only one RHF retained for emergency use. Company has disassembled two reheating furnaces. Energy-efficient transformers installed at SMS division.
VIII. Public hearing and Human health issues		
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Complied. Risk and Disaster Management Plan is attached in Annexure-18 .
ii.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Shall be Complied. Heat stress analysis will be conducted as per factory act. Worker exposed to high temperature are provided apron, face shield and heat-resistant shoes.
iii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Occupational Health Surveillance of the workers is being carried out on regular interval and records are maintained. Health check-up of some employees has been enclosed as Annexure-19 .
IX. Environment Management		
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.	SPS steels has undertaken diverse CER activities in surrounding villages for under privileged peoples like distribution of general ration like rice, dal and mustard oil etc., study materials distribution among needy students, installation of water vending machine, self-employment training to local women, sports and cultural meet organization, water sprinkling in dry weather condition in surrounding areas of the plant, financial support to poor villagers in natural disaster situation etc. Along with that, Bano Mahotsav celebration and avenue plantation programs has been taken place. Some eventual photographs are attached in Annexure-20 .



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.	It is complied. SPS has implemented standard operating procedure to look into any infringement/ deviation/violation of environmental/ forest/wildlife norms/ conditions. The Company has also the Hierarchical system/ Administrative order to deal with environmental issues and compliance of EC conditions. There is a reporting system in place to deal with any non-compliance/violation of environmental norms as follows:  <pre> graph TD CMD[CMD] --> JTM[JT.MD] JTM --> EHSS[Head - Environment Health & Safety] JTM --> UnitHead[Unit Head] EHSS --> Environment[Environment] EHSS --> Health[Health] EHSS --> Safety[Safety] UnitHead --> OperationHead[Operation Head] Environment --> EnvOff[Env. Officer/Engg.] Health --> MedicalOff[Medical Officer] Safety --> SafetyOff[Safety Officer] </pre>
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.	An environmental cell has been set up under the supervision of senior executive to look after the day-to-day activities pertaining to environment & pollution control issues of the company.
X. Miscellaneous		
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	It is Complied. The grant of environmental clearance already been advertised in 'Aajkal' & Millennium Post Newspaper on 06th Sept., 2022 to make it public. The report has already been submitted. Copy of the environmental clearance (EC) is uploaded in company's website (https://www.spsgroup.co.in/)
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.	It is complied.
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.	It is being complied. It is being uploaded in company's website (https://www.spsgroup.co.in/) on regular basis.



iv.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	It is complied with. Latest stack monitoring reports & ambient air monitoring reports around the plant premises along with pollutants level namely; PM10, SO2, NOx being displayed at main gate of the plant and it is also being uploaded in company website (https://www.spsgroup.co.in/) under Half yearly compliance report as per direction. Stack Monitoring & Ambient Air reports are enclosed as Annexure- 1 & 21 .
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.	Six monthly compliance report is being regularly submitted sub office Kolkata of MoEF&CC. It shall be uploaded to website as per direction.
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.	Complied. The environment statement (Form-V) for Financial Year 2024-25 has already been submitted and financial year 2025-26 will be submitted to WRPCB with copy to Sub Office of MOEF&CC, Kolkata. The report is being uploaded on the company's website as per direction. Copy of mail is enclosed in Annexure-22 .
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.	Date of financial closure of the project is 06.06.2022 Consent to Establish (CTE) obtained from WBPCB on 16.09.2022 As expansion project was proposed within existing plant area therefore land development work not much required. Land development cum project work was started w.e.f. 18.09.2022 w.r.t expansion project facilities.
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.	Noted and shall be complied.
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.	Noted and shall be complied.
x.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted. No further expansion or modification shall be taking place without prior approval from Ministry of Environment, Forests and Climate Change (MoEF&CC).



xi.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Noted and shall be adhered
-----	---	----------------------------



ANNEXURE- 1



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board



TC-15288

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/33A]

U.L.R. No. : TC1528826000000155F

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/25-26/613
Name of Customer : M/s. SPS Steels Rolling Mills Ltd.(Unit-I)
Address of Customer : Dr. Zakir Hussain Avenue, Durgapur,
Pin : 713206, Paschim Bardhaman,
Sample Description : Stack Air
Sampling Location : 100 TPD Rotary Kiln
Sample Condition : In GMF Thimble & Plastic Bottles
Sampling Method : CPCB, Emission Regulation (Part III)
Testing Location : At Laboratory

Sample Ref. ID : AS-040-2026(S)
Report Date : 23.03.2026
Date of Sampling : 12.03.2026
Sample Received On : 13.03.2026
Analysis Started On : 13.03.2026
Analysis Completed On : 13.03.2026
Time of Sampling : 10:15 am

A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant : Integrated Steel Plant (DRI Plant)
02. Stack connected to : 100 TPD Rotary Kiln
03. Material of construction : M.S.
04. Shape of stack : Circular
05. Height of stack from G.L (mtr) : 30.0 from roof level (mtr) : ---
06. Height of sampling from G.L (mtr) : 22.0 from L.D.Z (mtr) : ---
07. Internal stack diameter at sampling point (mtr) : 1.0
08. Emission due to : Reduction of Iron Ore & Oxidation of Coal
09. Steam generation capacity: (rated) : --- (running) : ---
10. Load of source: (rated) : 100 TPD (running) : 1.0 : 5.5 MT/Hr.

B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used : Coal
02. Calorific value (K-Cal/Kg): ---
03. Ash content (% by Wt): ---
04. Sulphur content (% by Wt): ---
05. Rated fuel consumption : ---
06. Working fuel consumption : 4.8 TPH

C. RESULTS OF GASEOUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (°C)	119	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	754.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	10.17	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm³/hr.)	19823.46	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/Nm³)	19.86	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 12% CO₂	23.36	Sec. 11 (Vol. 11.07) : 2017
07. Concentration of SO₂ (mg/Nm³)	167.24	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of NO₂ (mg/Nm³)	80.78	IS:11255 (Part 3), 2008
09. Concentration of O₂ (% V/V)	10.4	IS:13270:1992, Reaffirmed 2014
10. Concentration of CO₂ (% V/V)	10.2	IS:13270:1992, Reaffirmed 2014
11. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014

Pollution Control Device : ESP
Permanent Ladder and Platform : Yes

S. Roy Chowdhury
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

S. Roy Chowdhury
Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. All the information under column A & B are supplied by the respective industry.
3. This certificate may not be reproduced in part or full without written permission of the management.
4. Retention period of tested sample (Thimble) is 6 months from the date of issue test report unless otherwise specified.



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board



TC-15288

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/33A]

U.L.R. No. : TC1528826000000156F

Sample is drawn by M/s. Greenvision

Report No.	: GV/AR/25-26/614	Sample Ref. ID	: AS-040-2026(6)
Name of Customer	: M/s. SPS Steels Rolling Mills Ltd.(Unit-I)	Report Date	: 23.03.2026
Address of Customer	: Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.	Date of Sampling	: 12.03.2026
Sample Description	: Stack Air	Sample Received On	: 13.03.2026
Sampling Location	: 2 X 40 TPD Rotary Kiln	Analysis Started On	: 13.03.2026
Sample Condition	: In GMF Thimble & Plastic Bottles	Analysis Completed On	: 13.03.2026
Sampling Method	: CPCB, Emission Regulation (Part III)	Time of Sampling	: 11:55 am
Testing Location	: At Laboratory		

A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant	: Integrated Steel Plant (DRI Plant)
02. Stack connected to	: 2 Nos. 40 TPD Rotary Kiln
03. Material of construction	: M.S.
04. Shape of stack	: Circular
05. Height of stack from G.L (mtr)	: 30.0 from roof level (mtr) : ---
06. Height of sampling from G.L (mtr)	: 24.0 from L.D.Z (mtr) : ---
07. Internal stack diameter at sampling point (mtr)	: 1.0
08. Emission due to	: Reduction of Iron Ore & Oxidation of Coal
09. Steam generation capacity: (rated)	: --- (running) : ---
10. Load of source: (rated)	: 2 X 40 TPD (running) : L.O. : 2.4 MT/Hr./Kiln

B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: Coal	
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---
05. Rated fuel consumption	: ---	
06. Working fuel consumption	: 2.0 MT/Hr./Kiln	

C. RESULTS OF GASEOUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (°C)	110	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	754.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	8.56	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm³/hr.)	17241.67	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/Nm³)	21.45	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 12% CO₂	26.27	Sec. 11 (Vol. 11.07) : 2017
07. Concentration of SO₂ (mg/Nm³)	154.18	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of NO₂ (mg/Nm³)	73.26	IS:11255 (Part 3), 2008
09. Concentration of O₂ (% V/V)	10.6	IS:13270:1992, Reaffirmed 2014
10. Concentration of CO₂ (% V/V)	9.8	IS:13270:1992, Reaffirmed 2014
11. Concentration of CO (% V/V)	<0.2	IS:13270:1992, Reaffirmed 2014

Pollution Control Device	: ESP
Permanent Ladder and Platform	: Yes

S. Roy Chowdhury
Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. Roy Chowdhury
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. All the information under column A & B are supplied by the respective industry.
3. This certificate may not be reproduced in part or full without written permission of the management.
4. Retention period of tested sample (Thimble) is 6 months from the date of issue test report unless otherwise specified.



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board



TC-15288

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/33A]

U.L.R. No. : TC1528826000000157F

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/25-26/615
Name of Customer : M/s. SPS Steels Rolling Mills Ltd.(Unit-I)
Address of Customer : Dr. Zakir Hussain Avenue, Durgapur,
Pin : 713206, Paschim Bardhaman.
Sample Description : Stack Air
Sampling Location : Product House (DRI Kiln)
Sample Condition : In GMP Thimble
Sampling Method : CPCB, Emission Regulation (Part III)
Testing Location : At Laboratory

Sample Ref. ID : AS-040-2026(7)
Report Date : 23.03.2026
Date of Sampling : 12.03.2026
Sample Received On : 13.03.2026
Analysis Started On : 13.03.2026
Analysis Completed On : 13.03.2026
Time of Sampling : 01:40 pm

A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant : Integrated Steel Plant (DRI Plant)
02. Stack connected to : Product House
03. Material of construction : M.S.
04. Shape of stack : Circular
05. Height of stack from G.L. (mtr) : 30.0 from roof level (mtr) : ---
06. Height of sampling from G.L. (mtr) : 20.0 from L.D.Z. (mtr) : ---
07. Internal stack diameter at sampling point (mtr) : 0.8
08. Emission due to : Process Activities
09. Steam generation capacity: (rated) : --- (running) : ---
10. Load of source: (rated) : --- (running) : ---

B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used : ---
02. Calorific value (K-Cal/Kg): --- 03. Ash content (% by Wt): --- 04. Sulphur content (% by Wt): ---
05. Rated fuel consumption : ---
06. Working fuel consumption : ---

C. RESULTS OF GASEOUS EMISSION SAMPLING

	Test Method
01. Flue gas temperature (°C)	39
02. Barometric pressure (mm of Hg)	754.0
03. Velocity of flue gas (m/sec)	6.74
04. Quantity of gas flow (Nm ³ /hr.)	9903.14
05. Concentration of Particulate Matter (mg/Nm ³)	16.82
06. Particulate Matter normalized at 12% CO ₂	IS:11255 (Part 1), 1985, Reaffirmed 2014
07. Concentration of SO ₂ (mg/Nm ³)	---
08. Concentration of NO ₂ (mg/Nm ³)	---
09. Concentration of O ₂ (% V/V)	20.4
10. Concentration of CO ₂ (% V/V)	---
11. Concentration of CO (% V/V)	< 0.2

Pollution Control Device : Bag Filter
Permanent Ladder and Platform : Yes

S. Roy Chowdhury
Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. Roy Chowdhury
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. All the information under column A & B are supplied by the respective industry.
3. This certificate may not be reproduced in part or full without written permission of the management.
4. Retention period of tested sample (Thimble) is 6 months from the date of issue test report unless otherwise specified.



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board



TC-15288

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dga@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/33A]

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC1528826000000158F	
Report No. :	GV/AR/25-26/616	Sample Ref. ID :	AS-040-2026(6)
Name of Customer :	M/s. SPS Steels Rolling Mills Ltd.(Unit-I)	Report Date :	23.03.2026
Address of Customer :	Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.	Date of Sampling :	12.03.2026
Sample Description :	Stack Air	Sample Received On :	13.03.2026
Sampling Location :	Cooler Discharge	Analysis Started On :	13.03.2026
Sample Condition :	In GMF Thimble	Analysis Completed On :	13.03.2026
Sampling Method :	CPCB, Emission Regulation (Part III)	Time of Sampling :	03:20 pm
Testing Location :	At Laboratory		
A. GENERAL INFORMATION ABOUT STACK			
01. Particulars of plant :	Integrated Steel Plant (DRI Plant)		
02. Stack connected to :	Cooler Discharge		
03. Material of construction :	M.S.		
04. Shape of stack :	Circular		
05. Height of stack from G.L. (mtr) :	30.0	from roof level (mtr) :	---
06. Height of sampling from G.L. (mtr) :	10.0	from L.D.Z (mtr) :	---
07. Internal stack diameter at sampling point (mtr) :	0.6		
08. Emission due to :	Process Activities		
09. Steam generation capacity: (rated) :	---	(running) :	---
10. Load of source: (rated) :	---	(running) :	---
B. FUEL CHARACTERISTIC REPORT			
01. Type of fuel used :	---		
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---	
05. Rated fuel consumption :	---		
06. Working fuel consumption :	---		
C. RESULTS OF GASEOUS EMISSION SAMPLING			
01. Flue gas temperature (°C)	44	Test Method	
02. Barometric pressure (mm of Hg)	754.0	CPCB, Emission Regulation (Part III)	
03. Velocity of flue gas (m/sec)	9.42	CPCB, Emission Regulation (Part III)	
04. Quantity of gas flow (Nm ³ /hr.)	9984.67	CPCB, Emission Regulation (Part III)	
05. Concentration of Particulate Matter (mg/Nm ³)	23.92	IS:11255 (Part 1), 1985, Reaffirmed 2014	
06. Particulate Matter normalized at 12% CO ₂	---	Sec. 11 (Vol. 11.07) : 2017	
07. Concentration of SO ₂ (mg/Nm ³)	---	IS:11255 (Part 2), 1985, Reaffirmed 2014	
08. Concentration of NO _x (mg/Nm ³)	---	IS:11255 (Part 3), 2008	
09. Concentration of O ₂ (% V/V)	20.4	IS:13270:1992, Reaffirmed 2014	
10. Concentration of CO ₂ (% V/V)	---	IS:13270:1992, Reaffirmed 2014	
11. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014	
Pollution Control Device :	Bag Filter		
Permanent Ladder and Platform :	Yes		

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. All the information under column A & B are supplied by the respective industry.
3. This certificate may not be reproduced in part or full without written permission of the management.
4. Retention period of tested sample (Thimble) is 6 months from the date of issue test report unless otherwise specified.



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/AIR/FM/33A]

U.L.R. No. : TC1528826000000168F

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/25-26/617
Name of Customer : M/s. SPS Steels Rolling Mills Ltd.(Unit-I)
Address of Customer : Dr. Zakir Hussain Avenue, Durgapur,
Pin : 713206, Paschim Bardhaman.
Sample Description : Stack Air
Sampling Location : Induction Furnace
Sample Condition : In GMP Thimble
Sampling Method : CPCB, Emission Regulation (Part III)
Testing Location : At Laboratory

Sample Ref. ID : AS-040-2026(9)
Report Date : 23.03.2026
Date of Sampling : 13.03.2026
Sample Received On : 14.03.2026
Analysis Started On : 14.03.2026
Analysis Completed On : 14.03.2026
Time of Sampling : 10:40 am

A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant : Integrated Steel Plant (SMS)
02. Stack connected to : 3 Nos. Induction Furnace
03. Material of construction : M.S.
04. Shape of stack : Circular
05. Height of stack from G.L. (mtr) : 30.0 from roof level (mtr) : ---
06. Height of sampling from G.L. (mtr) : 18.0 from L.D.Z (mtr) : ---
07. Internal stack diameter at sampling point (mtr) : 1.0
08. Emission due to : Melting of Sponge, Pig Iron & Scrap (running) : ---
09. Steam generation capacity: (rated) : --- (running) : 3 X 20 MT/Heat
10. Load of source: (rated) : 3 X 20 MT/Heat

B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used : Electricity
02. Calorific value (K-Cal/Kg): --- 03. Ash content (% by Wt): --- 04. Sulphur content (% by Wt): ---
05. Rated fuel consumption : ---
06. Working fuel consumption : ---

C. RESULTS OF GASEOUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (°C)	75	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	754.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	12.34	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm ³ /hr.)	33812.48	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/Nm ³)	20.86	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 12% CO ₂	---	Sec. 11 (Vol. 11.07) : 2017
07. Concentration of SO ₂ (mg/Nm ³)	---	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of NO _x (mg/Nm ³)	---	IS:11255 (Part 3), 2008
09. Concentration of O ₂ (% V/V)	18.2	IS:13270:1992, Reaffirmed 2014
10. Concentration of CO (% V/V)	2.0	IS:13270:1992, Reaffirmed 2014
11. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014

Pollution Control Device : Bag Filter
Permanent Ladder and Platform : Yes

S. Roy Chowdhury
Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. Roy Chowdhury
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. All the information under column A & B are supplied by the respective industry.
3. This certificate may not be reproduced in part or full without written permission of the management.
4. Retention period of tested sample (Thimble) is 6 months from the date of issue test report unless otherwise specified.



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board



TC-15288

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF STACK GAS ANALYSIS

[FORMAT NO. : GV/LAB/FM/03A]

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC1528826000000169F	
Report No.	: GV/AR/25-26/618	Sample Ref. ID	: AS-040-2026(10)
Name of Customer	: M/s. SPS Steels Rolling Mills Ltd.(Unit-I)	Report Date	: 23.03.2026
Address of Customer	: Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.	Date of Sampling	: 13.03.2026
Sample Description	: Stack Air	Sample Received On	: 14.03.2026
Sampling Location	: Induction Furnace	Analysis Started On	: 14.03.2026
Sample Condition	: In GMF Thimble	Analysis Completed On	: 14.03.2026
Sampling Method	: CPCB, Emission Regulation (Part III)	Time of Sampling	: 12:25 pm
Testing Location	: At Laboratory		

A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant	: Integrated Steel Plant (SMS)		
02. Stack connected to	: 2 Nos. Induction Furnace		
03. Material of construction	: M.S.		
04. Shape of stack	: Circular		
05. Height of stack from G.L. (mtr)	: 30.0	from roof level (mtr)	: ---
06. Height of sampling from G.L. (mtr)	: 18.0	from L.D.Z. (mtr)	: ---
07. Internal stack diameter at sampling point (mtr)	: 1.0		
08. Emission due to	: Melting of Sponge, Pig Iron & Scrap		
09. Steam generation capacity:	(rated) : ---	(running) : ---	
10. Load of source:	(rated) : 2 X 20 MT/Heat	(running) : 2 X 20 MT/Heat	

B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: Electricity		
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---	
05. Rated fuel consumption	: ---		
06. Working fuel consumption	: ---		

C. RESULTS OF GASEOUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (°C)	71	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	754.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	9.37	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm³/hr.)	25142.94	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/ Nm³)	24.62	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 12% CO₂	---	Sec. II (Vol. II.07) : 2017
07. Concentration of SO₂ (mg/ Nm³)	---	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of NOₓ (mg/ Nm³)	---	IS:11255 (Part 3), 2008
09. Concentration of O₂ (% V/V)	18.6	IS:13270:1992, Reaffirmed 2014
10. Concentration of CO₂ (% V/V)	1.8	IS:13270:1992, Reaffirmed 2014
11. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014

Pollution Control Device	: Bag Filter
Permanent Ladder and Platform	: Yes

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. All the information under column A & B are supplied by the respective industry.
3. This certificate may not be reproduced in part or full without written permission of the management.
4. Retention period of tested sample (Thimble) is 6 months from the date of issue test report unless otherwise specified.

ANNEXURE- 2

COAL STORAGE SHED



ANNEXURE- 3

RCC ROAD & PAVER BLOC PHOTOGRAPHS





ANNEXURE- 4

GREENBELT PHOTOGRAPHS





ANNEXURE- 5

THE DURGAPUR PROJECTS LTD.

(A Govt. of West Bengal Undertaking)
Agreement for supply of Water for Industrial
and Domestic Water Consumers

Articles of Agreement made this 28th day of January two thousand Seventeen between THE DURGAPUR PROJECTS LIMITED, a company registered under the Companies Act having the Registered Office in the Administrative Building at Durgapur, Durgapur-1 (hereinafter referred to as the 'Supplier' which expressions shall unless excluded by or repugnant to the context be deemed to include its successor and assigns) of the One part and S.P.S. Steels Rolling Mills Ltd. Dr. Zakir Hussain Ave. (hereinafter referred to as the "CONSUMER" which expressions shall, unless excluded by or repugnant to the context, be deemed to include his heirs, executors, administrator legal representatives and permitted assigns) of the Other Part. Ap-6

Witnesseth and it is hereby agreed by and between the parties as follows :

1. The Supplier shall supply and the Consumer shall accept at his premises mentioned in the schedule hereto, on and from the date on which the said premises shall be connected to Supplier's distribution mains, a supply of Industrial and / or domestic water for the purpose and upto the maximum quantity specified in the said schedule subject to the terms and conditions hereafter contained, but the Supplier shall not be responsible for any discontinuance or interruption of supply of water during the specified hours of supply due to war, civil commotion, riot, strike, lock out, earthquake, tempest, lightning, flood, cyclone, force majeure or any cause beyond the control of the Supplier or due to any restrictions imposed by the Government or under any law for the time being in force.

2. The Consumer shall pay on demand to the Supplier the cost as may be determined by the Supplier of any distribution pipe line, meter and accessories which may be necessary to lay pipes in connection which water supply to the Consumer together with cost of ferrule, Tee & labour charges etc. which may be necessary to provide the water connection from the Supplier's distribution mains.

The whole of distribution pipe line irrespective of the fact whether the cost thereof or any part thereof has been paid for by the Consumer shall remain the property of and be maintained by the Supplier. Necessary service line from supplier's distribution main to the Consumer's premises shall be laid and maintained by the consumer at his cost.

3. The consumer shall, on being required by the Supplier, deposit with the Supplier the sum of Rs. 2,70,000/- (Rupees Two lakh Seventy thousand only) only equivalent to the approximate charges for three month's water supply at the rates entered in this agreement for the maximum quantity of supply as declared by the Consumer as Security Deposit for the purpose hereinafter mentioned and shall on the requisition from time to time renew, replenish or increase such Security Deposit in the event of increase in the rates or in the Consumption, the amount of deposit being considered by the Supplier to be insufficient and in case of consumers default, the supplier may, after giving fifteen days' notice in writing to the Consumer, cut off and discontinue the supply until the required deposit is made up and the expenses incurred by the Supplier in cutting off and reconnecting the supply are paid by the Consumer.

4. In the event of the Consumer failing to have his installation connected with the Supplier's distribution mains within two months from the date of completion of the service line and supply made available as intimated to the Consumer in writing. The consumer shall pay to Supplier the charges for the guaranteed minimum supply as specified in the schedule hereto from the beginning of the third month. In case of default, the Supplier shall be entitled to forfeit the amount of the Security Deposit with the Supplier mentioned in clause thereof and to dismantle the line after giving seven days' notice in writing to the Consumer of its intention to do so.

5. The price for the supply of water shall be charged to the consumer in accordance with the Supplier's schedule of rates in force from time to time and as mentioned in the schedule hereunder written for supply lines above 2 inch. diameter in the consumers' premises, the water supply shall be registered by a meter or meters in or upon consumers' premises,

supplied, fixed maintained and kept in proper order by the consumer. The meters referred to above shall be properly sealed on behalf of both the parties hereto and shall not be interfered with by either party except in the presence of other party or its or his representative duly authorised in that behalf. All meters shall be and remain the property of and shall have to pay lump sum charges as per schedule of rates.

6. Except where the rates of water supply are on lump sum basis, the quantity of water consumed shall be ascertained monthly by taking the meter readings jointly by the respective representative of the parties and the readings entered in the log book of each party with the initials of both the parties hereto or its or his representative. However, the readings may be recorded by either party at shorter intervals solely for the purpose of keeping a check on the functioning of the meter under intimation to the other party. The readings of the said meter entered in the log book shall be prima facie evidence of the quantity of water drawn by the consumer through such meters.
7. The daily supply shall be intermittent namely 2 / 3 times a day with duration as decided by the supplier. Supply of water will be at ground level of the consumer's premises arrangement for supply of water from the ground level of the consumer's premises to any higher level or to any other place within the consumer's premises shall be done by the consumers at their own cost and responsibility by making pumping or any other arrangement as required by the consumer.
8. (i) The supplier shall furnish the Consumer with a Bill for the water supplied to him in each month as soon as possible after recording meter readings and as per Tariff charges included in the schedule hereto
 (ii) If the bills remain unpaid even after the expiry of ^{30 days} ~~from 48 days~~ from the date of the Bill, the Consumer shall be liable to pay interest at the rate of eight percent per annum on the Gross amount of the Bill for the number of days from the date of the Bill till the date of actual payment of the Bill, provided, however that in case the Bill is not paid within the aforesaid 48 days the supplier shall have the right to cut off the supply at any time thereafter. The supplier shall discontinue the supply until the charges or othersums together with interest and expenses incurred by the Supplier in cutting off and reconnecting the supply are paid by the Consumer.
9. The rates of water charges mentioned in the schedule herinto are the present rates. The supplier will have the right to modify or alter or revise at any time the rates as mentioned in the schedule due to variation in the cost of maintenance and operation chares of the Water Works System. Such modification shall be intimated by the Supplier to the Consumer in writing and the Consumer shall be liable to pay the Bills at the modified rate.
10. If either party is dissatisfied as to the correct registering of any meter on the Consumer premises, such party may, by written notice to the other require the said meter to be officially tested either by the Supplier or by the Manufacturer or by the Test, Hours of the Government of West Bengal / India at the Suppliers discretion.
 If on such test the said meter is found to be correct, then the expenses of the testing shall be born by the party who required the test and vice versa.
11. If at any time, the said meter shall cease to register correctly or shall at any time be removed for the purpose of repair or for any other reasons, then until the said meter shall be repaired or replaced so as to register correctly the quantity or water passing through them the supplier shall be entitled to charge and the consumer shall be liable to pay the charges on an daily average quantity of water which the consumer shall have paid or been liable to pay in respect of previous three months of the same season under the terms of this agreement. This arrangement should operate for a period of not more than three months by which time the consumer must replace the meter. Should the meter be not replaced / repaired within the above mentioned period, then the supplier shall have the right to discontinue supply of water till the meter is repaired or replaced. The supplier may at his discretion continue to supply water at penal rates that is to say at double the existing rates for such period as deemed necessary by the supplier.

The Control Valve Hose containing the meters shall remain under the custody of the consumer and the supplier through its representative duly authorised on that behalf shall at all times upon intimating the consumer be entitled to enter into the said Control House in respect of the meter.

12. (i) This agreement shall subject to the provision for earlier determination as herein before maintained be and remain in force for a period to five years initially from the date of first supply under this agreement and thereafter from year to year unless terminated by either party on expiry of fifth year or any subsequent year by giving one clear calendar months notice to the other in writing of such intention.
- (ii) Upon the determination of this Agreement from any cause whatsoever, all moneys deposited by the Consumer with Supplier under the terms of Clause (3) hereof or so much thereof as shall not have already been applied in satisfaction of its claim under this Agreement, shall be forth with applied in satisfaction, protanto, of any claim then outstanding and the same or balance thereof as the case may not be refundable to the Consumer until all the accounts between the supplier and the consumer have been finally settled and all balance if any due to the Supplier by the Consumer have been fully paid and discharged.
13. The Consumer hereby agrees to confirm to abide by all the Rules and Regulations of Supplier now in force and any subsequent modification or alteration thereof as if the same has been incorporated in this Agreement.
14. All disputes and difference between the parties hereto (except as to matters on which the decision has been expressly provided in this Agreement) arising out of or in connection with this Agreement shall be referred to the sole arbitration of the General Supdt. (Construction). The Durgapur Projects Ltd. or any other Officer as may be nominated by the Supplier. The award of such arbitrator shall be final conclusive and binding on the parties hereto and the provision of the Arbitration Act, 1940 (Act X of 1940) and / or any modification thereof for the time being in force shall apply.
15. This agreement and / or the benefits and obligations thereof shall not be transferable.
16. The cost of stamps and Registration Fee, if any required for this deed under any law for the time being in force shall be paid by the Consumer.

SCHEDULE OF RATES REFERRED TO ABOVE

- 1) Description of the premises at which the supply is to be given (one drawing showing the point of supply and position of meter house should be enclosed with this agreement).
- 2) Purpose for which supply is to be given *5000 Commercial Industrial*
- 3) Maximum quantity of water to be supplied to the Consume : KL /
- a) Domestic Water
- b) Industrial process water
- 4) Address of the premises where supply will be given
- 5) Factory or Residential area of Factory-Cum-Residential area
- 6) Dia. of pipe line through which water supply is to be given
- 7) Whether metered supply or lump sum charges will be levied for the supply
- 8) Guaranteed minimum supply to be accepted by the Consumer
- a) Domestic Water KL/day
- b) Industrial Process water KL/day

For SPS Steels Rolling Mills Ltd.

[Signature]
Director.

9) Rates in terms of Clause (5) for metered supply :

- a) For Domestic Water Rs. per KL
- b) For Industrial Process water Rs. 20/- per KL (*essent rate*)

10) Lump sum charges per month in terms of clause (5) for connection upto 2" dia.

- | | Residential use | Factory / Hotel / Nonresidential area / Factory cum-residential/Residential cum/Commercial/Industrial use |
|---|-----------------|---|
| a) 1/2" dia, ferrule | Rs. | Rs. |
| b) 3/4" dia, ferrule | | |
| c) 1" dia, ferrule x 3 nos (<i>Metered - through a common header</i>) | | |
| d) 2" dia | | |

i) with 2 nos. 1" ferrule

ii) with one 2" dia Tee

5% rebate will be allowed if the Bills are paid within 30 days from the date of submission thereof.

No rebate will however be allowed if the consumption in any period falls short of the guaranteed minimum IN WITNESS WHEREOF, There presents have been executed by or on behalf of the party hereunto the Day and Year first written.

The consumer unconditionally agrees to surrender this connection whenever the local authorities setup their own infrastructure for water supply and are ready to provide water to the consumer.

Signed, Sealed and Delivered for on behalf of the
Durgapur Projects Ltd. (Supplier)

Handwritten Signature
A. MUKHERJEE
Dy. General Manager
Civil / WW & TS

Witness :

Handwritten Signature
Senior Manager
Water Works, D. P. Ltd.

Signed, Sealed and Delivered for and on behalf of the

M/s. For SPS Steels Rolling Mills Ltd.

Handwritten Signature
Director

Witness :
SPS Steels Rolling Mills Ltd

Handwritten Signature
Authorized Signatory

9933068248

No. WW/191-1/2R/Ecl/18 of 2000-2001

THE DURGAPUR PROJECTS LTD.

(A Govt. of West Bengal Undertaking)

Agreement for supply of Water for Industrial
and Domestic Water Consumers

Original

Articles of Agreement made this 11th day of August 2000 ~~One thousand Nine hundred and Two thousand~~ between THE DURGAPUR PROJECTS LIMITED, a Company registered under the Companies Act having the Registered Office in the Administrative Building at Durgapur Durgapur-1 (hereinafter referred to as the 'Supplier' which expressions shall unless excluded by or repugnant to the context be deemed to include its successor and assigns) of the One part and M/S. Elegant Commerce Limited Or. Zohir Hossain Avenue, Durgapur (hereinafter referred to as the "CONSUMER" which expressions shall, unless excluded by or repugnant to the context, be deemed to include his heirs, executors, administrator legal representatives and permitted assigns) of the Other Part,

Witnesseth and it is hereby agreed by and between the parties as follows:—

1. The Supplier shall supply and the Consumer shall accept at his premises mentioned in the schedule hereto, on and from the date on which the said premises shall be connected to Supplier's distribution mains, a supply of industrial and/or domestic water for the purpose and upto the maximum quantity specified in the said schedule, subject to the terms and conditions hereafter contained, but the Supplier shall not be responsible for any discontinuance or interruption of supply of water during the specified hours of supply due to war, civil commotion, riot, strike, lock out, earthquake, tempest, lightning, flood, cyclone, force majeure or any cause beyond the control of the Supplier or due to any restrictions imposed by the Government or under any law for the time being in force,

2. The Consumer shall pay on demand to the Supplier the cost as may be determined by the Supplier of any distribution pipe line, meter and accessories which may be necessary to lay pipes in connection which water supply to the Consumer together with cost of ferrule, Tee & labour charges etc. which may be necessary to provide the water connection from the Supplier's distribution mains

The whole of distribution pipe-line irrespective of the fact whether the cost thereof or any part thereof has been paid for by the Consumer shall remain the property of and be maintained by the Supplier. Necessary service line from supplier's distribution main to the Consumer's premises shall be laid and maintained by the consumer at his cost

3. The consumer shall, on being required by the Supplier, deposit with the Supplier the sum of Rs. 88,500.00 (Rupees Eight thousand eight hundred only equivalent to the approximate charges for one month's water supply at the rate entered in this agreement for the maximum quantity of supply as declared by the Consumer as Security Deposit for the purpose hereinafter mentioned and shall on the requisition from time to time renew, replenish or increase such Security Deposit in the event of increase in the rates or in the Consumption, the amount of deposit being considered by the Supplier to be insufficient and in case of Consumer's default, the Supplier may, after giving fifteen days' notice in writing to the Consumer, cut off and discontinue the supply until the required deposit is made up and the expenses incurred by the Supplier in cutting off and reconnecting the supply are paid by the Consumer,

4. In the event of the Consumer failing to have his installation connected with the Supplier's distribution mains within two months from the date of completion of the service line and supply made available as intimated to the Consumer in writing. The consumer shall pay to Supplier the charges for the guaranteed minimum supply as specified in the schedule hereto from the beginning of the third month in case of default, the Supplier shall be entitled to forfeit the amount of the Security Deposit with the Supplier mentioned in clause 3 thereof and to dismantle the line after giving seven days' notice in writing to the Consumer of its intention to do so.

5. The price for the supply of water shall be charged to the consumer in accordance with the Supplier's schedule of rates in force from time to time and as mentioned in the schedule hereunder written

ELEGANT COMMERCE LIMITED

11/8/2000
Authorized Signatory

For supply lines above 2 inch diameter in the consumers' premises, the water supply shall be registered by a meter or meters in or upon consumers' premises, supplied, fixed maintained and kept in proper order by the consumer. The meters referred to above shall be properly sealed on behalf of both the parties hereto and shall not be interfered with by either party except in the presence of other party or its or his representative duly authorised in that behalf. All meters shall be and remain the property of and shall have to pay lump sum charges as per schedule of rates.

6. Except where the rates of water supply are on lump sum basis, the quantity of water consumed shall be ascertained monthly by taking the meter readings jointly by the respective representative of the parties and the readings entered in the log book of each party with the initials of both the parties hereto or its or his representative. However, the readings may be recorded by either party at shorter intervals solely for the purpose of keeping a check on the functioning of the meter under intimation to the other party. The readings of the said meter entered in the log book shall be prima facie evidence of the quantity of water drawn by the consumer through such meters.

7. The daily supply shall be intermittent namely 2/3 times a day with duration as decided by the supplier. Supply of water will be at ground level of the consumer's premises. Arrangement for supply of water from the ground level of the consumer's premises to any higher level or to any other place within the consumer's premises shall be done by the consumers at their own cost and responsibility by making pumping or any other arrangement as required by the consumer.

8. (i) The supplier shall furnish the Consumer with a Bill for the water supplied to him in each month as soon as possible after recording meter readings and as per Tariff charges included in the schedule hereto.

(ii) If the bills remain unpaid even after the expiry of Forty Five days from the date of the date of the Bill, the Consumer shall be liable to pay interest at the rate of eight percent per annum on the Gross amount of the Bill for the number of days from the date of the Bill till the date of actual payment of the Bill, provided, however that in case the Bill is not paid within the aforesaid 45 days the supplier shall have the right to cut off the supply at any time thereafter. The supplier shall discontinue the supply until the charges or other sums together with interest and expenses incurred by the Supplier in cutting off and reconnecting the supply are paid by the Consumer.

9. The rates of water charges mentioned in the schedule herinto are the present rates. The supplier will have the right to modify or alter or revise at any time the rates as mentioned in the schedule due to variation in the cost of maintenance and operation charges of the Water Works system. Such modification shall be intimated by the Supplier to the Consumer in writing and the Consumer shall be liable to pay the Bills at the modified rate.

10. If either party is dissatisfied as to the correct registering of any meter on the Consumer premises, such party may, by written notice to the other, require the said meter to be officially tested either by the Supplier or by the Manufacturer or by the Test House of the Government of West Bengal/India at the Suppliers discretion.

If, on such test, the said meter is found to be correct, then the expenses of the testing shall be born by the party who required the test and vice versa.

11. If at any time, the said meter shall cease to register correctly or shall at any time be removed for the purpose of repair or for any other reasons, then until the said meter shall be repaired or replaced so as to register correctly the quantity of water passing through them the supplier shall be entitled to charge and the consumer shall be liable to pay the charges on an daily average quantity of water which the consumer shall have paid or been liable to pay in respect of previous three months of the same season under the terms of this agreement. This arrangement should operate for a period of not more than three months by which time the consumer must replace the meter. Should the meter be not replaced/repared within the above mentioned period, then the supplier shall have the right to discontinue supply of water till the meter is repaired or replaced. The supplier may at his discretion continue to supply water at penal rates that is to say at double the existing rates for such period as deemed necessary by the supplier.

ELBANT COMPANY LIMITED

Authorised Signatory

The Control Value House containing the meters shall remain under the custody of the consumer and the supplier through its representative duly authorised on that behalf shall at all times upon intimating the consumer be entitled to enter into the said Control House in respect of the meter.

12. (i) This agreement shall subject to the provision for earlier determination as herein before mentioned be and remain in force for a period of five years initially from the date of first supply under this agreement and thereafter from year to year unless terminated by either party on expiry of fifth year or any subsequent year by giving one clear calendar month's notice to the other in writing of such intention.

(ii) Upon the determination of this Agreement from any cause whatsoever, all moneys deposited by the Consumer with the Supplier under the terms of Clause (8) hereof or so much thereof as shall not have already been applied in satisfaction of its claim under this Agreement, shall be forth with applied in satisfaction, pro tanto, of any claim then outstanding and the same or balance thereof as the case may be shall not be refundable to the Consumer until all the accounts between the supplier and the consumer have been finally settled and all balance if any due to the Supplier by the Consumer have been fully paid and discharged.

13. The Consumer hereby agrees to confirm to abide by all the Rules and Regulations of Supplier now in force and any subsequent modification or alteration thereof, as if the same has been incorporated in this Agreement.

14. All disputes and difference between the parties hereto (except as to matters on which the decision has been expressly provided in this Agreement) arising out of or in connection with this Agreement shall be referred to the sole arbitration of the General Supdt. (Construction). The Durgapur Project Ltd. or any other Officer as may be nominated by the Supplier. The award of such arbitrator shall be final conclusive and binding on the parties hereto and the provision of the Arbitration Act, 1940 (Act X of 1940) and/or any modification thereof for the time being in force shall apply.

15. This agreement and/or the benefits and obligations thereof shall not be transferable.

16. The cost of stamps and Registration Fee, if any, required for this deed under any law for the time being in force shall be paid by the Consumer.

SCHEDULE OF RATES REFERRED TO ABOVE

1) Description of the premises at which the supply is to be given (one drawing showing the point of supply and position of meter house should be enclosed with this agreement)

2) Purpose for which supply is to be given..... Industrial

3) Maximum quantity of water to be supplied to the Consumer :-

KLd

Ans for 3" dia water meter.

a) Domestic Water :-

☒ Industrial Process Water :-

ELEGANT COMMERCIAL LIMITED

21/2000
Authorized Signatory

- 4) Address of the premises where supply will be given ---
 5) Factory or Residential area of Factory-Comm-Residential area ---
 6) Dia. of pipe line through which water supply is to be given ---
 7) Whether metered supply or lump sum charges will be levied for the supply ---
 8) Guaranteed minimum supply to be accepted by the Consumer ---
 a) Domestic Water --- KL/day
 b) Industrial Process water --- KL/day

9) Rates in terms of Clause (5) for metered supply :

- a) For Domestic water Rs. per KL
 b) For Industrial Process water Rs. per KL

10) Lump sum charges per month in terms of clause (5) for connection upto 2" dia.

	Residential use	Factory/Hotel/Nonresidential area/Factory-cum-residential/Residential cum/Commercial/Industrial use
a) 3/4" dia. ferrule	Rs.	Rs.
b) 1" dia. ferrule	As per 3" dia water meter.	
c) 1 1/4" dia. ferrule		
d) 2" dia.		
i) with 2 nos. 1" ferrule		
ii) with one 2" dia. Tee		

5% rebate will be allowed if the Bills are paid within 30 days from the date of submission thereof.

No rebate will however be allowed if the consumption in any period falls short of the guaranteed minimum IN WITNESS WHEREOF, These presents have been executed by or on behalf of the party hereto on the Day and Year first written.

Signed, Sealed and Delivered for and on behalf of the
WATER WORKS LTD.
 Durgapur Project Ltd. (Supplier)

Witness

Secretary Engineer (Civil)
Water Works

The Durgapur Project's Limited

Signed, Sealed and Delivered for and on behalf of the

ELIGANT COMMERCE LIMITED

M/s.

Authorized Signatory

Witness

P. Paul



ANNEXURE- 6

RAIN WATER HARVESTING POND



ANNEXURE- 7

J S Pigments Pvt. Ltd.*A Step of clean & green environment*

Regd. Office: P-199/B, C.I.T. Road, Scheme VI (M), Kolkata - 700054, West Bengal

Recycling Unit: VII & PO, Jafra, P.S. Polba, Delhi Road, Hooghly-712138, West Bengal

Form - 6

[See rule 19]

E-WASTE MANIFEST

Copy -1 : Sender Copy

1	Sender's name and mailing address (including phone No.)	SPS Steels Rolling Mills Ltd Zahir Hussain Avenue, Durgapur-713205.
2	Sender's authorization No, if applicable.	
3	Manifest Document No.	3733
4	Transporter's Name & Address (including phone No.)	Self
5	Type of Vehicle	(Truck/ Tanker/ Special vehicle)
6	Transporter's Registration No.	N/A
7	Vehicle Registration No.	WB23EB605
8	Receiver's Name & Address (including phone No.)	J S Pigments Pvt Ltd. VII & PO, Jafra, P.S. Polba, Delhi Road, Hooghly-712138, WB + 91 33 2320 2655
9	Receiver's authorization No, if applicable.	WSPCB- 23/TS(HW/ICN)-3611/2014
10	Description of E-waste (item, Weight/Numbers)	520 Kgs
11	Name and stamp of Sender* (Manufacturer or Producer or Bulk Consumer or Collection Centre or Refurbisher or Disassembler) Date : 16.03.2026 Stamp & Signature	
12	Transporter Acknowledgement of receipt of E-Wastes. Date : 16.03.2026 Stamp & Signature	
13	Receiver* (Collection Centre or Refurbisher or Disassembler or Recycler) certification of receipt of E-waste. Date : 16.03.2026 Stamp & Signature	

ANNEXURE- 8

PLANTATION IN THE EAST DIRECTION OF THE PLANT





ANNEXURE- 9

FORM-30

Register containing particulars of monitoring of working environment required under section 7-A(2)(c) of the Act.

Name of the Plant

M/s. SPS STEELS ROLLING MILLS LTD.

Address

Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, West Burdwan, W.B-713206, India

Particulars of sampling :

Location/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)	
			No. of samples	Range	Average			Continuous Exposure	Short term Exposure				
Induction Furnace Area (Furnace No. 1 & 2) (SMS)	Silica, SiO ₂ (Quartz, in terms of respirable dust)	27-11-2024	3	Respirable Dust in mg/m ³	0.764	0.647	10.0 (% Respirable Quartz + 2) mg/m ³	See Annex-1	-	6	Below PEL		P. SANYAL
					0.629								
					0.548								
				% Respirable Quartz	1.14	1.083							
					1.03								
					1.08								

* PEL - Permissible Exposure Limit


 J. Day
 (J. Day)
 Authorized Signatory

FORM-30

Register containing particulars of monitoring of working environment required under section 7-A(2)(x) of the Act.

Name of the Plant

: M/L SP5 STEELS ROLLING MILLS LTD.

Address

: Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, West Bardham, W.B-713206, India

Particulars of sampling :

Location/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)
			No. of samples	Range	Average			Continuous Exposure	Short term Exposure			
Induction Furnace Area (Furnace No. 3 & 4) (SMS)	Silica, SiO ₂ (Quartz, in terms of respirable dust)	27-11-2024	3	Respirable Dust in mg/m ³	0.852	10.0 mg/m ³ (% Respirable Quartz + 2)	See Annex-1	-	6	Below PEL		S. MONDAL
					0.779							
					0.693							
				% Respirable Quartz	1.18							
					1.10							
					1.05							

* PEL - Permissible Exposure Limit




(J. DEY)
Authorized Signatory

FORM-30

Register containing particulars of monitoring of working environment required under section 7-A(2)(e) of the Act.

Name of the Plant

: M/s. SPS STEELS ROLLING MILLS LTD.

Address

: Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, West Burdwan, W.B-713206, India

Particulars of sampling :

Location/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)								
			No. of samples	Range				Average	Continuous Exposure				Short term Exposure							
Induction Furnace Area (Furnace No. 5) (SMS)	Silica, SiO ₂ (Quartz, in terms of respirable dust)	27-11-2024	3	Respirable Dust in mg/m ³	0.775	0.681	10.0 mg/m ³ (% Respirable Quartz × 2)	See Annex-1	-	3	Below PEL		S. MONDAL							
					0.681															
					0.576															
				% Respirable Quartz	1.06	1.038														
					1.04															
					1.01															

* PEL - Permissible Exposure Limit



J. Day

(J. DAY)
Authorized Signatory

Table - 31

FORM-30

Register containing particulars of monitoring of working environment required under section 7-A(2)(c) of the Act.

Name of the Plant:

M/s. SPS STEELS ROLLING MILLS LTD.

Address:

Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, West Burdwan, W.B-713206, India

Particulars of sampling:

Location/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling Instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)	
			No. of samples	Range	Average			Continuous Exposure	Short term Exposure				
CCM-1 Area (SNO)	Silica, SiO ₂ (Quartz, in terms of respirable dust)	27-11-2024	3	Respirable Dust in mg/m ³	0.622	0.575	10.0 mg/m ³ (% Respirable Quartz + 2)	See Annex-1	-	4	Below PEL		P. SANYAL
					0.583								
					0.524								
				% Respirable Quartz	0.71	0.730							
					0.82								
					0.66								

* PEL - Permissible Exposure Limit



J. Dey
(J. DEY)
Authorized Signatory

Table - 12

FORM-30

Register containing particulars of monitoring of working environment required under section 7-A(3)(a) of the Act.

Name of the Plant

M/s. SPS STEELS ROLLING MILLS LTD.

Address

Dr. Zakir Hussain Avenue, I.T. Road (into American More), Durgapur, West Burdwan, W.B-713206, India

Particulars of sampling :

Location/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling Instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)
			No. of samples	Range	Average			Continuous Exposure	Short term Exposure			
ICM-2 Area (SMS)	Silica, SiO ₂ (Quartz, in terms of respirable dust)	27-11-2024	3	Respirable Dust in mg/m ³	0.538	10.0 mg/m ³ (% Respirable Quartz + 2)	See Annex 1	-	4	Below PEL		S. MONDAL
					0.512							
					0.476							
				% Respirable Quartz	0.62							
					0.78							
					0.69							

* PEL - Permissible Exposure Limit



J. Dey
(J. DEY)
Authorized Signatory

FORM-30

Register containing particulars of monitoring of working environment required under section 7-A(2)(a) of the Act.

Name of the Plant

M/s. SPS STEELS ROLLING MILLS LTD.

Address

Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, West Bengal, W.B-713206, India

Particulars of sampling :

Location/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling Instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)
			No. of samples	Range	Average			Continuous Exposure	Short term Exposure			
Kiln No. 1 & 2 Area (40 TPD each) (DR)	Silica, SiO ₂ (Quartz, in terms of respirable dust)	28-11-2024	3	Respirable Dust in mg/m ³	1.204	10.0 mg/m ³ [% Respirable Quartz + 2]	See Annex-1	-	4	Below PEL		S MONDAL
					1.140							
					1.024							
			3	% Respirable Quartz	1.25							
					1.33							
					1.29							

* PEL = Permissible Exposure Limit

(S. DEV)
Authorized Signatory

FORM-30

Register containing particulars of monitoring of working environment required under section 7-A(2)(a) of the Act.

Name of the Plant : M/s. SPS STEELS ROLLING MILLS LTD.

Address : Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, West Burdwan, W.B-713206, India

Particulars of sampling :

Location/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)	
			No. of samples	Range	Average			Continuous Exposure	Short term Exposure				
Kolin No. 3 Area (100 TPD) (DRI)	Silica, SiO ₂ (Quartz, in terms of respirable dust)	28-11-2024	3	Respirable Dust in mg/m ³	1.204	1.151	10.0 mg/m ³ [% Respirable Quartz + 2]	See Annex-1	-	2	Below PEL		P. SANYAL
					1.161								
					1.088								
				% Respirable Quartz	1.34	1.333							
					1.30								
					1.36								

* PEL - Permissible Exposure Limit

(A. DEY)
Authorized Signatory

FORM-30

Register containing particulars of monitoring of working environment required under section 7-A(2)(a) of the Act.

Name of the Plant

M/s. SPS STEELS ROLLING MILLS LTD.

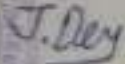
Address

Dr. Zakir Hussain Avenue, G.T. Road (Side American More), Durgapur, West Burdwan, W.B-713206, India

Particulars of sampling :

Location/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling Instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)	
			No. of samples	Range	Average			Continuous Exposure	Short term Exposure				
Stock House Area (DR)	Silica, SiO ₂ (Quartz, in terms of respirable dust)	28-11-2024	3	Respirable Dust in mg/m ³	0.729	0.655	100 mg/m ³ [% Respirable Quartz + 2]	See Annex-1	1	Below PEL		S. MONDAL	
					0.696								
					0.509								
				% Respirable Quartz	1.49								1.423
					1.42								
					1.36								

* PEL = Permissible Exposure Limit



 (J. DEY)
 Authorized Signatory

FORM 30

Register containing particulars of monitoring of working environment required under section 7-A(2)(e) of the Act.

Name of the Plant:

: M/s. SPS STEELS ROLLING MILLS LTD.

Address:

: Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, West Burdwan, W.B-713206, India

Particulars of sampling:

Locations/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling Instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)
			No. of samples	Range	Average			Continuous Exposure	Short term Exposure			
Coal Nipper Area (DR)	Coal Dust	28-11-2024	3	Respirable Dust in mg/m ³	0.546	2 mg/m ³ , respirable dust fraction containing less than 5% quartz	See Annex-1	-	5	Below PEL		F-3481946
					0.462							
					0.425							
			3	% Respirable Quartz	1.91							
					1.84							
					1.67							

* PEL - Permissible Exposure Limit



J. Dey
(J. DEY)
Authorized Signatory

FORM-30

Register containing particulars of monitoring of working environment required under section 7-A(2)(c) of the Act.

Name of the Plant

: M/s. SPS STEELS ROLLING MILLS LTD.

Address

: Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, West Burdwan, W.B-713206, India

Particulars of sampling :

Location/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)
			No. of samples	Range	Average			Continuous Exposure	Short term Exposure			
Coal Crusher Area (DR)	Coal Dust	28-11-2024	3	Respirable Dust in mg/m ³	0.604	2 mg/m ³ , respirable dust fraction containing less than 5% quartz	See Annex-1	-	1	Below PEL		S. MONDAL
					0.462							
					0.583							
			3	% Respirable Quartz	2.02							
					1.94							
					1.88							

* PEL - Permissible Exposure Limit

(I. DEY)
Authorized Signatory

Table - 38

FORM-30

Register containing particulars of monitoring of working environment required under section 7-A(2)(e) of the Act.

Name of the Plant

M/s. SPS STEELS ROLLING MILLS LTD.

Address

Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, West Bardwan, W.B-713206, India

Particulars of sampling

Location/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)	
			No. of samples	Range	Average			Continuous Exposure	Short term Exposure				
Workshop Area (Rolling Mill No. 1)	Silica, SiO ₂ (Quartz, in terms of respirable dust)	29-11-2024	3	Respirable Dust in mg/m ³	0.496	0.441	10.0 mg/m ³ [% Respirable Quartz = 2]	See Annex-3	-	2	Below PEL		S. MONDAL
					0.428								
					0.399								
				% Respirable Quartz	0.58	0.533							
					0.54								
					0.48								

* PEL = Permissible Exposure Limit



J. Deo

(J. DEO)

Authorized Signatory

FORM-30

Register containing particulars of monitoring of working environment required under section 7-A(2)(a) of the Act.

Name of the Plant

M/s. EPS STEELS ROLLING MILLS LTD.

Address

Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, West Burdwan, W.B-713206, India

Particulars of sampling:

Location/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling Instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)
			No. of samples	Range	Average			Continuous Exposure	Short term Exposure			
Mechanical Maintenance Area (Rolling Mill No. 2)	Silica, SiO ₂ (Quartz, in terms of respirable dust)	29-11-2024	3	Respirable Dust in mg/m ³	0.411	$\frac{10.0}{(N \text{ Respirable Quartz} + 2)}$ mg/m ³	See Annex 1	-	2	Below PEL		J. MONDAL
		0.379										
		0.366										
	% Respirable Quartz	0.48		0.443								
		0.44										
		0.41										

* PEL = Permissible Exposure Limit



J. Dey

(J. DEY)

Authorized Signatory

FORM-30

Register containing particulars of monitoring of working environment required under section 7-A(2)(e) of the Act.

Name of the Plant

: M/s. SPS STEELS ROLLING MILLS LTD.

Address

: Dr. Zakir Hussain Avenue, C.T. Road (Indo American More), Durgapur, West Burdwan, W. B-713206, India

Particulars of sampling :

Location/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)	
			No. of samples	Range	Average			Continuous Exposure	Short term Exposure				
Chital Area (Operating Platform) (Rolling Mill No. 2)	Silica, SiO ₂ , (Quartz, in terms of respirable dust)	29-11-2024	3	Respirable Dust in mg/m ³	0.522	0.481	30.0 mg/m ³ (% Respirable Quartz = 2)	See Annex-1	-	1	Below PEL		P. SANYAL
					0.473								
					0.489								
				% Respirable Quartz	0.49	0.460							
					0.46								
					0.43								

* PEL - Permissible Exposure Limit

(I. DEY)
Authorized Signatory

FORM-30

Register containing particulars of monitoring of working environment required under section 7-A(2)(a) of the Act.

Name of the Plant

: M/L SPS STEELS ROLLING MILLS LTD.

Address

: Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, West Bhandan, W.B-713206, India

Particulars of sampling:

Location/ Operation monitored	Identified contaminant	Date of Monitoring	Airborne Contamination			TWA Concentration (as given in Second Schedule)	Sampling instrument used	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in block letters)	
			No. of samples	Range				Average	Continuous Exposure				Short term Exposure
Workshop Area (Rolling Mill No. 2)	Silica, SiO ₂ (Quartz, in terms of respirable dust)	29-11-2024	3	Respirable Dust in mg/m ³	0.393	0.398	$\frac{10.0}{(\% \text{ Respirable Quartz} \times 2)}$	See Annex-1	-	3	Below PEL		P. SANYAL
					0.427								
					0.374								
				% Respirable Quartz	0.55	0.517							
					0.31								
					0.48								

* PEL = Permissible Exposure Limit.



J. Dey

(J. DEY)
Authorized Signatory

ANNEXURE-10



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF WATER ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

Sample is drawn by M/s. Greenvision

Sample submitted and identified by customer as : N.A.

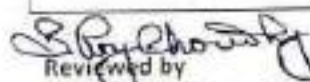
U.L.R. No. : TC1528826000000163F

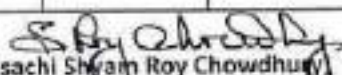
Report No. : GV/WW/25-26/144
Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)
Address of Customer : Dr. Zakir Hussain Avenue, Durgapur,
Pin : 713206, Paschim Bardhaman
Sample Description : Waste Water
Sampling Location : Recycling Water Tank (Outlet)
Sample Condition : In Glass Bottle & Plastic Bottle
Type of Sample : Industrial Waste Water
Testing Location : At Laboratory

Sample Ref. ID : WS-016-2026
Report Date : 23.03.2026
Date of Sampling : 12.03.2026
Date of Receiving : 13.03.2026
Analysis Started on : 13.03.2026
Analysis Completed on : 17.03.2026
Time of Sampling : 03:10 pm

Sampling & Preservation Method : APHA 24th EDITION, 1060

PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMITS
pH	APHA 24 th EDITION, 4500-H+B	---	7.42	5.5 - 9.0
Total Suspended Solid (TSS)	APHA 24 th EDITION, 2540 D	mg/l	15.0	< 100.0
Chemical Oxygen Demand (COD)	APHA 24 th EDITION, 5220 B	mg/l	34.0	< 250.0
Biochemical Oxygen Demand (BOD)	IS:3025, P-44, 1993, Reaffirmed 2014	mg/l	4.7	< 30.0
Oil & Grease	APHA 24 th EDITION, 5520 A	mg/l	< 2.0	< 10.0

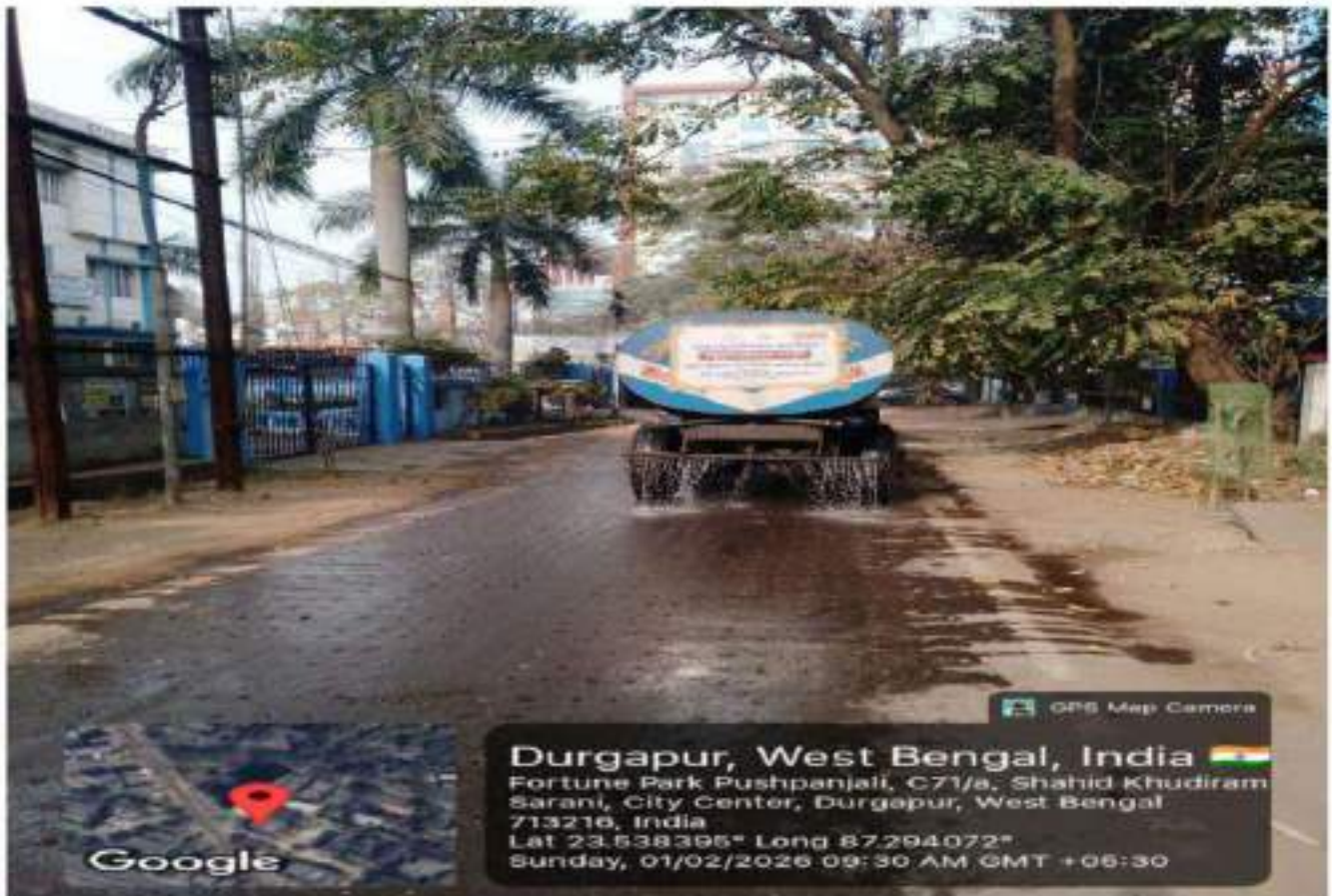

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.
3. Retention period of tested sample is 1 month from the date of issue test report unless otherwise specified.

ANNEXURE-11

WATER SPRINKLING PHOTOGRAPHS INSIDE AND OUTSIDE OF THE PLANT PREMISES









ANNEXURE- 12A

NOC NO172005

SPEED POST

WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Bhawan
10A, Block - LA, Sector III, Bidhannagar
Kolkata - 700 105



Memo No. 488-2N-63/2021(E)

Dated 16.09.2022

From :
Member Secretary,
West Bengal Pollution Control Board

To: The Director,
M/s. SPS Steels Rolling Mills Limited,
Diamond prestige, 41A, A.J.C. Bose Road, 7th Floor, #701,
Kolkata - 700 017, West Bengal.
Sub: Consent to Establish (NOC) from Environmental Point of View

Ref: 1 Your letter No. N-1 Dated 09.09.2022
11) Environmental Clearance issued vide EC Identification No. EC22A
006WB110390, P.No. N-11011/196/2020-22, dt. 01.09.2022

WEST BENGAL

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed ~~expansion~~ of M/s SPS Steels Rolling Mills Limited within their existing steel plant (66,000TPA sponge iron plant and 4,50,000TPA rolling mill) - steel melting shop (1,08,000 TPA) along with installation of captive power plant of 10MW (5 MW WHRB & 5 MW APFC) at ~~BY, Sakir Industrial Avenue, C.T. Road (Indo-America, West Bengal, Durgam, Tehsil - Paridip Durgam, Dist. - Paschim Bardhaman,~~

this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point of the above subject to the following conditions and special conditions annexed.

* Detailed proposal of the expansion and modification is given in Annexure - 1 and 2.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS : 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.
4. All emission from your factory shall conform to the standards as laid down by this Board.
5. No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.
6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/erected/re-erected without prior approval of this Board.

Dr. T. K. Chatterjee
Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

7. You shall comply with

- (i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
- (ii) Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
- (iii) Environment (Protection) Act, 1986
- (iv) Environment (Protection) Rules, 1986
- (v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
- (vi) Manufacture, Storage and Transport of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
- (vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
- (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992
- (ix) The Public Liability Insurance Rules, 1991 and Amended Rules 1993
- (x) Biomedical Wastes (Management & Handling) Rules, 1996 and Amended Rules 2000 if applicable.
- (xi) Recycled Plastic Manufacture and Usage Rules 1999, if applicable and
- (xii) Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable

8. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

SPECIAL CONDITION :

The total capital cost of the project excluding the total capital cost for environmental pollution control measures is Rs.128.0Crore (Rupees One Hundred and Twenty Eight crores.)

please refer to Annexure - 3.

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Yours faithfully,

M. K. Ghosh
Member Secretary/Chief Engineer
West Bengal Pollution Control Board (EIM) C.S.I.

Dated: *Chief Engineer*
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

Memo No. *488 - 2N-63/2021(E) dtd. 16.04.2022*

Copy forwarded for information to:

1. Chief Inspector of Factories, Government of West Bengal, N.S. Building, Kolkata-700 001
2. Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N.S. Building, Kolkata-700 001
3. Guard file, West Bengal Pollution Control Board.
4. Environmental Engineer, MW/Alpur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./

Asansol Sub-R.O./WBPC Board Himalaya Bhawan Debi Road, Dankuni Dist. Hooghly	VII, Pampur Kalyani Expressway P.O. Narayanpur Dist. 24 Pgs. (N)	Sahid Khudiram Sarani City Centre, Durgapur-16 Dist. Burdwan	10, Camac Street 2nd Floor Kolkata-700 017
---	---	--	--

Paribesh Bhawan 10A, IA-Block, Sector-III Salt Lake City, Kolkata - 700 008	Block-05 at 40 Flats Complex Adjacent to Priyambada Housing Estate P.O. : Kharjanchak, P.S. Durgachak Haldia-721602 Dist. : Purba Medinipur	Paribesh Nagar Matigara, Siliguri Dist.-Darjeeling
--	--	--

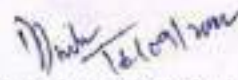
Satya Chowdhury
Indoor Stadium
Baluchar Bench Road
Malda-732101

Asansol Sub-Regional Office
ADDA Commercial Market (2nd Floor)
Opposite Asansol Fire Station
G.T. Road, Asansol-713 301

M. K. Ghosh
Member Secretary/Chief Engineer
West Bengal Pollution Control Board (EIM) C.S.I.
Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

Annexure - 1 to the NOC No. NO172005

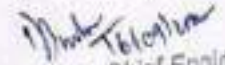
Name of the Units	Existing Production Capacity as per Consent to Operate (CTO)			Additional Capacity & Production for which CTE applied as EC dtd 01-09-2022		Total Production after expansion	Remarks
	Installed Capacity	Production (in ton)		Capacity	Production (TPA)		
Sponge Iron Plant (DRI)	2X40 + 1X100 TPD	66,000	5500	2x100 TPD*	0	66,000 TPA	No change in production capacity
*The company will phase out existing 2x40 TPD DRI Kilns and will install 1x100 TPD DRI Kiln. The total capacity of Sponge Iron Plant will remain unchanged.							
SMS (M.S. Billets)	2X15 Ton IF with caster*	1,08,000	9000	5X20 Ton IF with 02 casters and 01 LRF	2,42,000 TPA	3,50,000 TPA	Expansion to meet Rolling Mill requirement through hot charging bypassing existing reheating furnace.
* Existing 2x15 Ton IF with Caster will be dismantled after proposed expansion							
Rolling Mill (long products)	I 300 TPD	4,56,000	38000	No change	4,56,000 TPA	No change	
	II 1000 TPD						
Reheating Furnace#	I 18 TPH	-	-	To be dismantled after expansion	-	-	To be dismantled
	II 18 TPH	-	-	To be dismantled after expansion	-	-	To be dismantled
	III 18 TPH	-	-	No Change	1 x 18 TPH	No change	
#Note: Both Rolling Mills will be hot charged after expansion. Two Reheating Furnaces shall be dismantled and only one Reheating Furnace will be kept as backup to feed cold billets.							
Captive Power Plant (Power)	NIL			10 MW (5 MW WHRB + 5 MW AFBC)	10 MW (5 MW WHRB + 5 MW AFBC)		New Installation for backward integration


Chief Engineer (EIM Cell)
West Bengal Pollution Control Board
 Chief Engineer
 W. B. Pollution Control Board
 Dept. of Environment, Govt. of W.B.

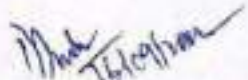
Annexure 2 to NOC No. NO172005

AIR POLLUTION CONTROL DEVICE DETAILS WITH STACK

Sl. No.	Name of the Unit	Configuration	Capacity	Product	APC Details	Stack from G.L.
A DRI DIVISION						
1.	DRI	1 x 100 TPD (existing)	66,000 TPA	Sponge Iron	ESP (1 x 10 TPH WHRB will be installed)	1 no. 30m (the stack height shall be raised as per the CPCB norms before operation)
		1 x 100 TPD (2 x 40 TPD existing will be phased out)			ESP (1 x 10 TPH WHRB shall be commonly installed with existing 2 x 40 TPD DRI Kiln till its phasing out and installation of 1 x 100 TPD DRI Kiln)	1 no. 30m (the stack height shall be raised as per the CPCB norms before operation)
2.	Cooler Discharge	1 no. (with 1 x 100 TPD)	-	-	Will be Connected with ABC of each Kiln	—
		1 no. (with 1 x 100 TPD after phasing out 2 x 40 TPD)	-	-		
3.	Product House	1 no.	-	-	Bag Filter	1 no. 30m
4.	Iron Ore Circuit	1 no.	-	-	Bag Filter	1 no. 30m
5.	Coal Circuit	1 no.	-	-	Bag Filter	1 no. 30m
6.	Intermediate Bin	1 no.	-	-	Bag Filter	1 no. 30m


 Chief Engineer
 W.B. Pollution Control Board
 Dept. of Environment, Govt. of W.B.

B POWER PLANT DIVISION						
1.	Captive Power Plant	5 MW WHRB + 5 MW AFBC	10MW	Electricity	ESP attached with AFBC Boiler 1x20TPH [ESP attached with individual 2x10 TPH WHRB (1 x 10 TPH with existing 1 x 100 TPD DRI Kiln and 1 x 10 TPH with existing 2 x 40 TPD DRI Kiln till its phasing out and installation of 1 x 100 TPD DRI Kiln)]	1 no. 50m for AFBC
C SMS DIVISION						
1.	Induction Furnace	5x20 Ton and 01 LRF with 02 Caster	3,50,000 TPA	MS Billets	Bag Filter attached with 2x20Ton Induction Furnace and 1x20 Ton LRF with common stack	1 no. 30m
2.					Bag Filter attached with 3x20Ton Induction with common stack	1 no. 30m


Chief Engineer (EIM Cell)
West Bengal Pollution Control Board

Chief Engineer
 W. B. Pollution Control Board
 Dept. of Environment, Govt. of W.B.

Annexure 3 to NOC Sl. No. – NO172005

Special Conditions issued for the proposed expansion of Steel Melting Shop (1,08,000 to 3,50,000 TPA) along with installation of Captive Power Plant of 10 MW (5 MW WHRB + 5 MW AFBC) within the existing Steel Plant (66,000 TPA Sponge Iron Plant & 4,56,000 TPA Rolling Mill) at Dr. Zakir Hussain Avenue, G.T. Road, (Indo American More), Durgapur, Tehsil Faridpur, Durgapur, Dist – Paschim Bardhaman, West Bengal by M/s. SPS Steels Rolling Mills Limited. (Expansion project)

Specific Conditions :-

- 1) 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.
- 2) Performance test shall be conducted on all pollution control systems every year.
- 3) Following additional arrangements to control fugitive dust shall be provided:
 - a. Fog/ Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.
 - b. Proper covered vehicle shall be used while transport of materials.
 - c. Wheel Washing mechanism shall be provided in entry and exit gates.
- 4) Project proponent shall ensure to close 2 RH furnaces and go for 100 % hot charging. For emergency one RH would be retained to run on LDO or CBM as available in Durgapur. Coal shall not be used as fuel in the reheating furnace.
- 5) All conditions of CEPI including 40% green belt development and 1.5 times CER shall be complied with as per the mitigation measures submitted as mentioned in the EC.
- 6) Particulate matter emission from stacks shall be less than 30 mg/Nm³.
- 7) The total water requirement of 1385 KLD shall be met from Durgapur Projects Ltd. (DPL).
- 8) No ground water abstraction is permitted.
- 9) The company shall also undertake rain water harvesting measures as per the plan submitted and reduce water dependence from the outside source.
- 10) Left Bank Main Canal, Damodar River, Barjora Nadi, Kunur Nadi, Panagarh Branch Canal, Damodar Branch Canal exists within the study area of 10 km from the project site. The water bodies shall not be disturbed. 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.
- 11) Air cooled condensers shall be used in the Power plant.
- 12) A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- 13) Three tier Green Belt shall be developed in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Plantation in gaps in the green belt shall be done by the PP during the present monsoon period and maintenance of @2500 plants/ha shall be done in the following years. Additional plantation shall be made in the East Direction from plant site to minimise the effect on Durgapur Protected Forest. Greenbelt/Plantation outside the project premises such as avenue plantation in vacant areas and social forestry shall also be done through socio economic developmental activities.
- 14) Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

W. B. Pollution Control Board
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

Annexure 3 to NOC Sl. No. – NO172005

Special Conditions issued for the proposed expansion of Steel Melting Shop (1,08,000 to 3,50,000 TPA) along with installation of Captive Power Plant of 10 MW (5 MW WHRB + 5 MW AFBC) within the existing Steel Plant (66,000 TPA Sponge Iron Plant & 4,56,000 TPA Rolling Mill) at Dr. Zakir Hussain Avenue, G.T. Road, (Indo American More), Durgapur, Tehsil Faridpur, Durgapur, Dist – Paschim Bardhaman, West Bengal by M/s. SPS Steels Rolling Mills Limited. (Expansion project)

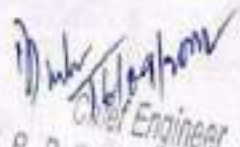
areas, ball mills, furnace charging areas through personal/area monitoring; and to be compared and it should be within 2 mg/m³, respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.

- 16) The proposed project shall be designed as "Zero Liquid Discharge" Plant. There shall be no discharge of effluent from the plant. Domestic waste water will be treated in STP and treated water shall be re-used for greenbelt development and plantation and dust suppression.
- 17) CEMS shall be provided on all process stacks and the signal shall be received in plant control room for central control of APCDs installed in the plant.
- 18) All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.
- 19) Internal roads of plant premises shall be concreted and maintained in good condition.
- 20) Industrial vacuum cleaners shall be used regularly to clean roads to reduce fugitive emissions.
- 21) 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.
- 22) All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented.
- 23) 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 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.
- 24) 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.

Emission :-

- 1) Stacks should have sampling port, platform and ladder as per the Emission Regulation Part-III of CPCB. Particulate emission from all stacks shall be less than 30mg/Nm³.
- 2) The National Ambient Air Quality Emission Standards issued by MoEF vide G.S.R 826(E) dated 16th November, 2009 should be complied with.
- 3) Dry fog system and water sprinklers to be installed to arrest fugitive emission.

Effluent :-


W. B. Ghosh
Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

Annexure 3 to NOC Sl. No. – NO172005

Special Conditions issued for the proposed expansion of Steel Melting Shop (1,08,000 to 3,50,000 TPA) along with installation of Captive Power Plant of 10 MW (5 MW WHRB + 5 MW AFBC) within the existing Steel Plant (66,000 TPA Sponge Iron Plant & 4,56,000 TPA Rolling Mill) at Dr. Zakir Hussain Avenue, G.T. Road, (Indo American More), Durgapur, Tehsil Faridpur, Durgapur, Dist – Paschim Bardhaman, West Bengal by M/s. SPS Steels Rolling Mills Limited. (Expansion project)

Effluent :-

- 1) Process – 'Zero discharge' to be implemented. To be treated in ETP. Treated effluent to be recycled.
- 2) Cooling water to be recycled after settling.
- 3) Domestic – to be treated in STP and reused totally.

Solid Waste :-

- 1) Slag – Induction Furnace slag to be used for road making and land filling.
- 2) Bag Filter dust – to be reused in different processes.
- 3) Char to be used for generating power in AFBC/CFBC boiler.
- 4) Fly ash to be given to cement manufacturing/brick making units.
- 5) Hazardous Waste to be collected and disposed off as per the Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016.

General :-

- 1) Noise Control – Ambient noise level not to exceed the permissible limit.
- 2) No additional machineries / equipment can be installed without prior permission from the State Board.
- 3) No change in raw materials, products and production capacity should be made without prior permission from the State Board.
- 4) Plant layout should be as per EIA Report/DPR submitted during EC process.
- 5) Proper lighting and proper pathway inside the factory premises should be constructed.
- 6) Adequate measures to be adopted for control of fugitive emission.
- 7) The unit should not start operation without obtaining 'Consent to Operate' from the State Board after complete installation of pollution control devices.
- 8) No construction is permitted on the land parcels, not under the possession of the industry.
- 9) Rain water harvesting must be done, however recharging of harvested rain water is not allowed under any circumstances.
- 10) All Terms and Conditions laid down in the Environmental Clearances obtained for the project from MoEF &CC, Govt vide EC Identification No. EC22A008WB110390 File no. J-11011/156/2020-IA-II(I) dated 01.09.2022 must be strictly followed.
- 11) Good house-keeping to be maintained.
- 12) This NOC is valid up to 30.09.2029 for setting up the project.

M. Talukder

Chief Engineer (EIM Cell)
West Bengal Pollution Control Board
Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

ANNEXURE- 12B

WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'
Bldg. No. - 10A, Block - LA, Sector-III
Salt Lake City, Kolkata-700 098



Consent Letter Number: CO132099

Memo Number: 2803-T/WPBD-cont (398)/RK

Date: 29/09/2023

Consent to Operate

under

Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and
Section 21 of the Air (Prevention and Control of Pollution) Act, 1981

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to:

M/s. SPS Steels Rolling Mills Ltd.
'Diamond Prestige', 41A, A.T.C. Base Road, Tollygunge (Address of Regd. office/Head Office/City Office)
Kolkata-700072
(hereinafter referred to as Applicant) for its unit located at Dr. Zakir Hussain Avenue, DM C Ward - 26,
P.O. - ABL Sub Post Office, P.S. - New Township, Paschim Bardhaman - 713206.

(Detailed address of the manufacturing unit)

for a period from 01/10/2023 to 30/9/2028

to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.

Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.

For and on behalf of the State Board

Seal

(Member-Secretary/Chief Engr./ Sr. Envr. Engr. / Envr. Engineer)

Kay
Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board

(2)

ANNEXURE

Consent to M/s. SPS Steels Rolling Mills Ltd.
 for its unit at Dr. Zakir Hussain Avenue, DMU ward-26, P.O.-ABL Sub-Post Office,
P.S.- New Township, Paschim Bardhaman-713 206.

Conditions :

01. This Consent is valid for the manufacture of :-

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Sponge Iron	66,000 TPA (max.)
02	Long products (MT rods, etc.)	4,56,000 TPA (max.)
03	MS Billets	3,50,000 TPA (max.)
04		
05		
06		
07		
08		
09		
10		
11		
12		

02. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
03. Daily discharge of industrial liquid effluent shall not exceed Nil KL.
04. Daily discharge of domestic liquid effluent shall not exceed 25 KL.
05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed Nil KL.
06. The Applicant shall discharge liquid effluent to DMU drain/sewerage (via septic tank) (place of discharge) through 01 (one) nos. outlets / outfalls.
07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given in Table-I in page 03.

(Member Secretary/Chief-Engr./ Sr-Env-Engr./ Env. Engr./ Asst-Env-Engr.)

K. K. Roy
 Environmental Engineer
 Durgapur Regional Office
 West Bengal Pollution Control Board
 Continued 32271

Consent to M/s. SPS Steels Rolling Mills Ltd.
 for its unit at Dr. Zakir Hussain Avenue, BMC ward-26, P.O.- ABL Sub-Post Office,
P.S.- New Township, Paschim Bardhaman-713206.

11. The Applicant shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the State Board.
12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to facilitate identification.
13. The Applicant shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants of the Standard as given in Table-II below :

Table-II

Stack No.	Stack height from G.L. (in mts.)	Stack attached As (sources and control system, if any):	Volume Nm ³ /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed					Frequency of emission sampling
					SPM (mg/Nm ³)	CO (%v/v)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)		
S-1	30	Rotary Kiln (100 TPD) [APCD-ESP]			100 (at 12%O ₂)	1	—	—		Quarterly
S-2	30	Rotary Kiln-2nos. (40 TPD each) [APCD-ESP]			100 (at 12%O ₂)	1	—	—		-do-
S-3	30	Cooler Discharge (100 TPD) [APCD-Bag filter]			50	—	—	—		-do-
S-4	30	Cooler Discharge-2nos. (40 TPD each) [APCD-Bag filter]			50	—	—	—		-do-
S-5	30	Product House			50	—	—	—		-do-
S-6	30	I-bln			50	—	—	—		-do-
S-7	30	Induction Furnace-2nos. (20 MT each) [APCD-Bag filter]			30	—	—	—		-do-
S-8	30	Induction furnace-3 nos. (20 MT each) [APCD-Bag filter]			30	—	—	—		-do-
S-9	32	Re-heating furnace (18 TPD, CBM/150/15MS-joined)			150	1	300	1000		Half yearly
S-10	8	DG set (400 KVA)			150	1	—	—		Once in 5 years.
S-11	8	DG set (300 KVA)			150	1	—	—		-do-

(As per the Order dated 18/4/2017 of the Hon'ble NGT, E2 Bench, no 'black' DG set is permitted to be used. The unit shall dismantle all 'black' DG sets existing within its premises and shall submit a compliance report within 03 months from here of.)

(Member Secretary/Chief Engr./Sr. Env. Engr./ Env. Engr. (and Engineer Environmental Engg.))
 Durgapur Regional Office
 West Bengal Pollution Control Board
 Continued.....

(5)

Consent to M/s. SPS Steels Rolling Mills Ltd.
 for its unit at Dr. Zakir Hussain Avenue, DMC ward-26, P.O.-ABL Sub-Post Office,
P.S.- New Township, Paschim Bardhaman-713206.

14. The Applicant shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the State Board's staff as well as State Board's authorised agencies.

15. The Applicant shall observe the following fuel consumption pattern :-

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	CBM	465 cubic metres/month	Re-heating furnace
02	LDO/LSHS	365 KL/month	-do- (in the form of alternative fuel)
03	HSD	0.3 KL/month	Standby 2d sets (400 KVAs & 380 KVA)
04			
05			

16. The Applicant shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below :-

Type of waste	Quantity	Treatment	Disposal
End cuts & Mill scales	1450 MT/month		To be removed in house.
MS scraps	760 MT/month		-do-
Slag	4550 MT/month		To be used/given out for land filling.
Dolomite	1750 MT/month		To be given to units with APC facilities.
APC dust	1083 MT/month		To be given out for land filling/breakings.

17. The Applicant shall take adequate measures for control of noise levels from its own sources within the premises within the limit given below :-

Time	Limit in dB(A) L_{eq}
Day Time (06 a.m. to 10 p.m.)	65
Night Time (10 p.m. to 06 a.m.)	55

18. The Applicant shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding areas/inhabitants and to achieve compliance with the terms and conditions of the consent.

19. The Applicant shall bring about at least 33% of the available open land under the green coverage / plantation.

20. The Applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the Applicant to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the Applicant shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.

21. The Applicant shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.

22. The Applicant shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

23. The Applicant shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste.

(Member Secretary/Chief Engr./ Sr. Envr. Engr./ Envr. Engr./ Asst. Engr.)

Environmental Engineer
 Durgapur Regional Office
 West Bengal Pollution Control Board

Consent to M/s. SPS Steels Rolling Mills Ltd.

for its unit at Dr. Zakir Hussain Avenue, DM Ward - 26, P.O. - ABL Sub Post Office,
P.S. - New Township, Paschim Bardhaman - 713206.

24. The Applicant shall maintain a separate register showing consumption of chemicals used in pollution control systems.
25. The Applicant shall get the samples of hazardous wastes/leachates analysed at least once in _____ from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.
26. The Applicant shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the State Board's staff as well as State Board's authorised agencies.
27. The Applicant shall submit to the State Board by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form - V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.
28. The Applicant shall allow the Officers of the State Board to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
29. The Applicant shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the State Board for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
30. The Applicant shall furnish to the State Board all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
31. The Applicant shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
32. The Applicant shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
33. The Applicant shall intimate to the State Board immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The Applicant Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
34. The Applicant shall make an application to the State Board in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.
35. The Applicant shall not make any alternation/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.
36. The Applicant shall comply with the conditions as laid down in the Manufacture, Storage and Import of hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

Additional Conditions

- (i) Hazardous wastes like used oil, discarded oil filters, oil-contaminated cloth/fate shall be disposed as per the provisions of Hazardous & Other Wastes Management & Transboundary Movement Rules, 2016 & be amended and the unit shall operate with valid Hazardous Waste Authorization of the State Board.
- (ii) This consent may be revoked in case of any valid public complaint against the unit on grounds of creating environmental hazard and/or for violating environmental norms & conditions.

Kas
 Environmental Engineer
 Durgapur Region Office
 West Bengal Pollution Control Board

ANNEXURE-13



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF FUGITIVE AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/25-26/619

Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)

Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206,
Paschim Bardhaman.

Sample Description : Fugitive Air

Sampling Location : DRI Kiln Area (Sponge Division)

Sample Condition : In GMF Filter Paper & Plastic Bottle

Location of Testing : At Laboratory

Sampling Method : CPCB, Emission Regulation (Part III)

U.L.R. No. : TC1528826000000170F

Sample Ref. ID : AS-040-2026(11)

Report Date : 23.03.2026

Date of Sampling : 13.03.2026

Date of Receiving : 14.03.2026

Analysis Started On : 14.03.2026

Analysis Completed On : 16.03.2026

Time of Sampling : 09:20 am to
05:20 pm

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 31.5

Barometric Pressure (mm of Hg) : 754.0

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	1094.42	IS : 5182 (Part 4), 1999
02.	Concentration of SO_2	$\mu\text{g}/\text{m}^3$	8.06	IS : 5182 (Part 2), 2006
03.	Concentration of NO_2	$\mu\text{g}/\text{m}^3$	35.34	IS : 5182 (Part 6), 2006

Limit : ($\mu\text{g}/\text{m}^3$) TSPM – 2000, SO_2 – 80, NO_2 – 80

Ref. : The Environment (Protection) Rules, 1986, Fourth Amendment, 2008 notified by G.S.R.414(E), dated 30.5.2008.

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.

2. This certificate may not be reproduced in part or full without written permission of the management.

3. Retention period of tested sample (Filter Paper) is 6 months from the date of issue test report unless otherwise specified.

Page 1/1

End of the report.....

City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF FUGITIVE AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

U.L.R. No. : TC1528826000000171F

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/25-26/620

Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)

Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206,
Paschim Bardhaman.

Sample Description : Fugitive Air

Sampling Location : Near Product House (Sponge Division)

Sample Condition : In GMF Filter Paper & Plastic Bottle

Location of Testing : At Laboratory

Sampling Method : CPCB, Emission Regulation (Part III)

Sample Ref. ID : AS-040-2026(12)

Report Date : 23.03.2026

Date of Sampling : 13.03.2026

Date of Receiving : 14.03.2026

Analysis Started On : 14.03.2026

Analysis Completed On : 16.03.2026

Time of Sampling : 09:45 am to
05:45 pm

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 31.5

Barometric Pressure (mm of Hg) : 754.0

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	1268.16	IS : 5182 (Part 4), 1999
02.	Concentration of SO_2	$\mu\text{g}/\text{m}^3$	7.85	IS : 5182 (Part 2), 2006
03.	Concentration of NO_2	$\mu\text{g}/\text{m}^3$	35.26	IS : 5182 (Part 6), 2006

Limit : ($\mu\text{g}/\text{m}^3$) TSPM – 2000, SO_2 – 80, NO_2 – 80

Ref. : The Environment (Protection) Rules, 1986, Fourth Amendment, 2008 notified by G.S.R.414(E), dated 30.5.2008.

S. Sabyasachi Shyam Roy Chowdhury
Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. Sabyasachi Shyam Roy Chowdhury
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.

2. This certificate may not be reproduced in part or full without written permission of the management.

3. Retention period of tested sample (Filter Paper) is 6 months from the date of issue test report unless otherwise specified.

Page 1/1

End of the report.....

City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF FUGITIVE AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

U.L.R. No. : TC1528826000000172F

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/25-26/621

Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)

Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206,
Paschim Bardhaman.

Sample Description : Fugitive Air

Sampling Location : Rolling Mill Dispatch Area

Sample Condition : In GMF Filter Paper & Plastic Bottle

Location of Testing : At Laboratory

Sampling Method : CPCB, Emission Regulation (Part III)

Sample Ref. ID : AS-040-2026(13)

Report Date : 23.03.2026

Date of Sampling : 13.03.2026

Date of Receiving : 14.03.2026

Analysis Started On : 14.03.2026

Analysis Completed On : 16.03.2026

Time of Sampling : 10:10 am to
06:10 pm

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 31.5

Barometric Pressure (mm of Hg) : 754.0

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	582.62	IS : 5182 (Part 4), 1999
02.	Concentration of SO_2	$\mu\text{g}/\text{m}^3$	7.45	IS : 5182 (Part 2), 2006
03.	Concentration of NO_2	$\mu\text{g}/\text{m}^3$	35.04	IS : 5182 (Part 6), 2006

Limit : ($\mu\text{g}/\text{m}^3$) TSPM - 2000, SO_2 - 80, NO_2 - 80

Ref. : The Environment (Protection) Rules, 1986, Fourth Amendment, 2008 notified by G.S.R.414(E), dated 30.5.2008.

S. P. Chowdhury
Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. P. Chowdhury
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.
3. Retention period of tested sample (Filter Paper) is 6 months from the date of issue test report unless otherwise specified.

Page 1/1

End of the report.....

City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF FUGITIVE AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

U.L.R. No. : TC1528826000000173F

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/25-26/622

Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)

Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206,
Paschim Bardhaman.

Sample Description : Fugitive Air

Sampling Location : Induction Furnace Area

Sample Condition : In GMF Filter Paper & Plastic Bottle

Location of Testing : At Laboratory

Sampling Method : CPCB, Emission Regulation (Part III)

Sample Ref. ID : AS-040-2026(14)

Report Date : 23.03.2026

Date of Sampling : 13.03.2026

Date of Receiving : 14.03.2026

Analysis Started On : 14.03.2026

Analysis Completed On : 16.03.2026

Time of Sampling : 10:30 am to
06:30 pm

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 31.5

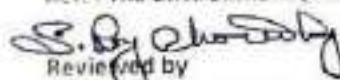
Barometric Pressure (mm of Hg) : 754.0

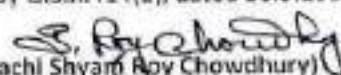
B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	659.74	IS : 5182 (Part 4), 1999
02.	Concentration of SO_2	$\mu\text{g}/\text{m}^3$	8.12	IS : 5182 (Part 2), 2006
03.	Concentration of NO_2	$\mu\text{g}/\text{m}^3$	35.64	IS : 5182 (Part 6), 2006

Limit : ($\mu\text{g}/\text{m}^3$) TSPM – 2000, SO_2 – 80, NO_2 – 80

Ref. : The Environment (Protection) Rules, 1986, Fourth Amendment, 2008 notified by G.S.R.414(E), dated 30.5.2008.


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.
3. Retention period of tested sample (Filter Paper) is 6 months from the date of issue test report unless otherwise specified.

Page 1/1

End of the report.....

City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001

ANNEXURE-14



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF WATER ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

U.L.R. No. : TC152882600000164F

Sample is drawn by	: Vikas Ram, Sr. Technician of M/s. Greenvision	Laboratory Ref. No.	: GS-011-2026
Report No.	: GV/GW/25-26/138	Report Date	: 23.03.2026
Issued To	: M/s. SPS Steels Rolling Mills Ltd. (Unit-I)	Date of Sampling	: 12.03.2026
Address	: Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.	Sample Received on	: 13.03.2026
Sample Condition	: In Glass Bottle & Plastic Bottle	Analysis Started on	: 13.03.2026
Sample Description	: Ground Water	Analysis Completed on	: 19.03.2026
		Time of Sampling	: 03:35 pm
Sampling Method	: APHA 24 th EDITION, 1060		
Location	: Hand Pump of Khoyrasole Village		

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed [APHA 24 th EDITION]
				Acceptable Limit	Permissible limit in the absence of alternate source	
1.	pH (at 25°C)	-	6.92	6.5 to 8.5	No Relaxation	4500-H ⁺ B
2.	Colour	Hazen	1.0	5.0	15.0	2120 B
3.	Odour	-	Agreeable	Agreeable	Agreeable	2150 B
4.	Taste	-	Agreeable	Agreeable	Agreeable	2160 A
5.	Turbidity	N.T.U.	0.54	1	5	2130 B
6.	Conductivity	µS/cm	316.0	-	-	2510 B
7.	Total Dissolved Solid (TDS)	mg/L	225.0	500	2000	2540 C
8.	Total Hardness as CaCO ₃	mg/L	94.0	200	600	2340 C
9.	Chloride as Cl	mg/L	8.56	250	1000	4500Cl ⁻ B
10.	Total Alkalinity as CaCO ₃	mg/L	88.0	200	600	2320 B
11.	Sulfate as SO ₄	mg/L	23.72	200	400	4500 SO ₄ ²⁻ E
12.	Nitrate as NO ₃ ⁻	mg/L	1.8	45.0	No Relaxation	4500 NO ₃ ⁻
13.	Fluoride as F	mg/L	BDL	1	1.5	4500 FD

Page 1/2

Contd.....

City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

14.	Calcium as Ca	mg/L	26.92	75	200	3500- Ca B
15.	Magnesium as Mg	mg/L	9.18	30	100	3500- Mg B
16.	Iron as Fe	mg/L	0.13	0.3	No Relaxation	3500-Fe B
17.	Residual Free Chlorine	mg/L	Nil	0.2	1.0	4500-Cl B
18.	Aluminium as Al	mg/L	BDL	0.03	0.2	3500-Al B
19.	Total Chromium as Cr	mg/L	BDL	0.05	No Relaxation	3500-Cr C
20.	Copper as Cu	mg/L	BDL	0.05	1.5	3500-Cu B
21.	Lead as Pb	mg/L	BDL	0.01	No Relaxation	3500-Pb B
22.	Cyanide as Cn	mg/L	BDL	0.05	No Relaxation	4500-CN C
23.	Nickel as Ni	mg/L	BDL	0.02	No Relaxation	3500-Ni
24.	Cadmium as Cd	mg/L	BDL	0.003	No Relaxation	3500-Cd
25.	Arsenic as As	mg/L	BDL	0.01	0.05	3500-As B
26.	Zinc as Zn	mg/L	BDL	5.0	15.0	3500-Zn B
27.	Mercury as Hg	mg/L	BDL	0.001	No Relaxation	3500-Hg
28.	Total Coliform / 100ml	MPN/100ml	Absent	Absent	Absent	9221 B
29.	E. Coli / 100ml	MPN/100ml	Absent	Absent	Absent	9221 F

BDL stands for Below Detectable Limit

S. Roy Chowdhury
Reviewed by

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. Roy Chowdhury
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.

2. This certificate may not be reproduced in part or full without written permission of the management.

3. Retention period of tested sample is 1 month from the date of issue test report unless otherwise specified.

ANNEXURE- 15A



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF AMBIENT NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC1528826000000159F
Report No. : GV/NL/25-26/132 Sample Ref. ID : NLM-006-2026(1)
Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-II) Report Date : 23.03.2026
Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Date of Sampling : 12.03.2026 & 13.03.2026
Sample Description : Noise Level Total Time : 1 Hr.
Sampling Location : Roof of Administrative Building Sampling Method : IS : 9989 :1981
Noise Level Limit : Day Time : 75 dB(A), Night Time : 70 dB(A)
{ Source : The Noise Pollution (Regulation and Control) Rules, 2000}
Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.
Category of Area : Industrial Area

Noise Level dB (A)					
Day Time (10:40 Hrs to 11:40 Hrs.)			Night Time (23:25 Hrs. to 00:25 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
62.7	55.9	60.5	53.2	47.6	51.2

S. Roy Chowdhury

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. Roy Chowdhury

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.

Page 1/1

End of the report.....

City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF AMBIENT NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

U.L.R. No. : TC1528826000000160F

Sample is drawn by : M/s. Greenvision

Report No. : GV/NL/25-26/133

Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-II)

Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206,
Paschim Bardhaman.

Sample Description : Noise Level

Sampling Location : Near Security Check Post

Noise Level Limit : Day Time : 75 dB(A), Night Time : 70 dB(A)
{ Source : The Noise Pollution (Regulation and
Control) Rules, 2000 }

Monitoring Details : Distance from Object : 3.0 Mtr.

Height from the Ground : 1.5 Mtr.

Category of Area : Industrial Area

Sample Ref. ID : NLM-006-2026(2)

Report Date : 23.03.2026

Date of Sampling : 12.03.2026 &
13.03.2026

Total Time : 1 Hr.

Sampling Method : IS : 9989 : 1981

Noise Level dB (A)					
Day Time (11:55 Hrs to 12:55 Hrs.)			Night Time (00:40 Hrs. to 01:40 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
63.5	57.0	61.4	54.3	48.7	52.1

S. Roy Chowdhury

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. Roy Chowdhury

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board



TC-15288

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgpi@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF AMBIENT NOISE LEVEL MONITORING

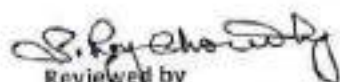
FORMAT NO. : GV/LAB/FM/33N

U.L.R. No. : TC1528826000000161F

Sample is drawn by : M/s. Greenvision
Report No. : GV/NL/25-26/134
Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)
Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206,
Paschim Bardhaman.
Sample Description : Noise Level
Sampling Location : Rear End of the Plant
Noise Level Limit : Day Time : 75 dB(A), Night Time : 70 dB(A)
{ Source : The Noise Pollution (Regulation and Control) Rules, 2000}
Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.
Category of Area : Industrial Area

Sample Ref. ID : NLM-006-2026(3)
Report Date : 23.03.2026
Date of Sampling : 12.03.2026 &
13.03.2026
Total Time : 1 Hr.
Sampling Method : IS : 9989 :1981

Noise Level dB (A)					
Day Time (13:25 Hrs to 14:25 Hrs.)			Night Time (02:00 Hrs. to 03:00 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
62.6	56.8	60.9	52.1	45.5	49.3


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF AMBIENT NOISE LEVEL MONITORING

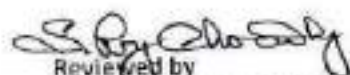
FORMAT NO. : GV/LAB/FM/33N

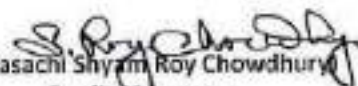
U.L.R. No. : TC1528826000000162F

Sample is drawn by : M/s. Greenvision
Report No. : GV/NL/25-26/135
Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)
Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.
Sample Description : Noise Level
Sampling Location : Khoyrasole Village
Noise Level Limit : Day Time : 55 dB(A), Night Time : 45 dB(A)
{ Source : The Noise Pollution (Regulation and Control) Rules, 2000}
Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.
Category of Area : Residential Area

Sample Ref. ID : NLM-006-2026(4)
Report Date : 23.03.2026
Date of Sampling : 12.03.2026 & 13.03.2026
Total Time : 1 Hr.
Sampling Method : IS : 9989 :1981

Noise Level dB (A)					
Day Time (14:50 Hrs to 15:50 Hrs.)			Night Time (03:15 Hrs. to 04:15 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
54.2	46.8	51.7	44.1	39.7	42.4


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.

Page 1/1

End of the report.....

City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001

ANNEXURE- 15B



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF FUGITIVE NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

U.L.R. No. : TC1528826000000174F

Sample is drawn by : M/s. Greenvision

Report No. : GV/NL/25-26/136

Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)

Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.

Sample Description : Noise Level

Location : DRI Kiln Area (Sponge Division)

Noise Level Limit : 90 dB(A) [8 Hrs. Exposure]
(Source : W.B. Factories Act, 1948)

Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.

Category of Area : Industrial Area

Sample Ref. ID : NLM-006-2026(5)

Report Date : 23.03.2026

Date of Sampling : 13.03.2026

Total Time : 1 Hr.

Starting Time : 10:35 am

Sampling Method : IS : 9989 :1981

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
75.5	80.6	79.3

S. Roy Chowdhury

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. Roy Chowdhury
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF FUGITIVE NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

U.L.R. No. : TC1528826000000175F

Sample is drawn by : M/s. Greenvision

Report No. : GV/NL/25-26/137

Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)

Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.

Sample Description : Noise Level

Location : Near Product House (Sponge Division)

Noise Level Limit : 90 dB(A) [8 Hrs. Exposure]
{ Source : W.B. Factories Act, 1948 }

Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.

Category of Area : Industrial Area

Sample Ref. ID : NLM-006-2026(6)

Report Date : 23.03.2026

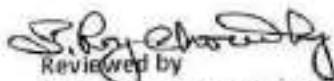
Date of Sampling : 13.03.2026

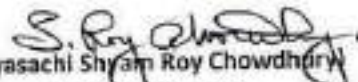
Total Time : 1 Hr.

Starting Time : 11:50 am

Sampling Method : IS : 9989 :1981

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
70.4	75.8	73.9


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board



TC-15288

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF FUGITIVE NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

U.L.R. No. : TC1528826000000176F

Sample is drawn by : M/s. Greenvision
Report No. : GV/NL/25-26/138
Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)
Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.
Sample Description : Noise Level
Location : Rolling Mill Dispatch Area
Noise Level Limit : 90 dB(A) [8 Hrs. Exposure]
(Source : W.B. Factories Act, 1948)
Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.
Category of Area : Industrial Area

Sample Ref. ID : NLM-006-2026(7)
Report Date : 23.03.2026
Date of Sampling : 13.03.2026
Total Time : 1 Hr.
Starting Time : 01:15 pm
Sampling Method : IS : 9989 :1981

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
73.5	78.3	76.7


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF FUGITIVE NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

U.L.R. No. : TC1528826000000177F

Sample is drawn by : M/s. Greenvision

Report No. : GV/NL/25-26/139

Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-II)

Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.

Sample Description : Noise Level

Location : Induction Furnace Area

Noise Level Limit : 90 dB(A) [8 Hrs. Exposure]
{ Source : W.B. Factories Act, 1948 }

Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.

Category of Area : Industrial Area

Sample Ref. ID : NLM-006-2026(8)

Report Date : 23.03.2026

Date of Sampling : 13.03.2026

Total Time : 1 Hr.

Starting Time : 02:30 pm

Sampling Method : IS : 9989 :1981

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
76.0	81.2	79.4

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.

ANNEXURE-16

2115 KWP ROOFTOP GRID CONNECTED SOLAR PHOTOVOLTAIC POWER PLANT

AT

SPS STEELS ROLLING MILLS LIMITED, UNIT-1,

DURGAPUR, WEST BENGAL-713206

Name Of The Client – SPS STEELS ROLLING MILLS LIMITED, UNIT-1

Solar EPC Contractor



SunGreen Power & Renewable Energy Pvt. Ltd.

SunGreen Power & Renewable Energy (P) Ltd.

**H.O. - P 64/A, Ground Floor, Swami Swarnpranda Sarani (Formerly known as - CIT Road, Scheme VI M),
Near Phoolbagan P.S, Kankurgachi, Kolkata 700 054, W. B., INDIA**

**C.O. - Emaar, The Palm Square, Room # 1108, 11th floor, Golf Course Extension Road,
Sector - 66, Gurugram -122101, Haryana, India**

Phone Number: +91 98360 03924 / +91 98183 16924 | Email Address: sales@sungreenpower.net

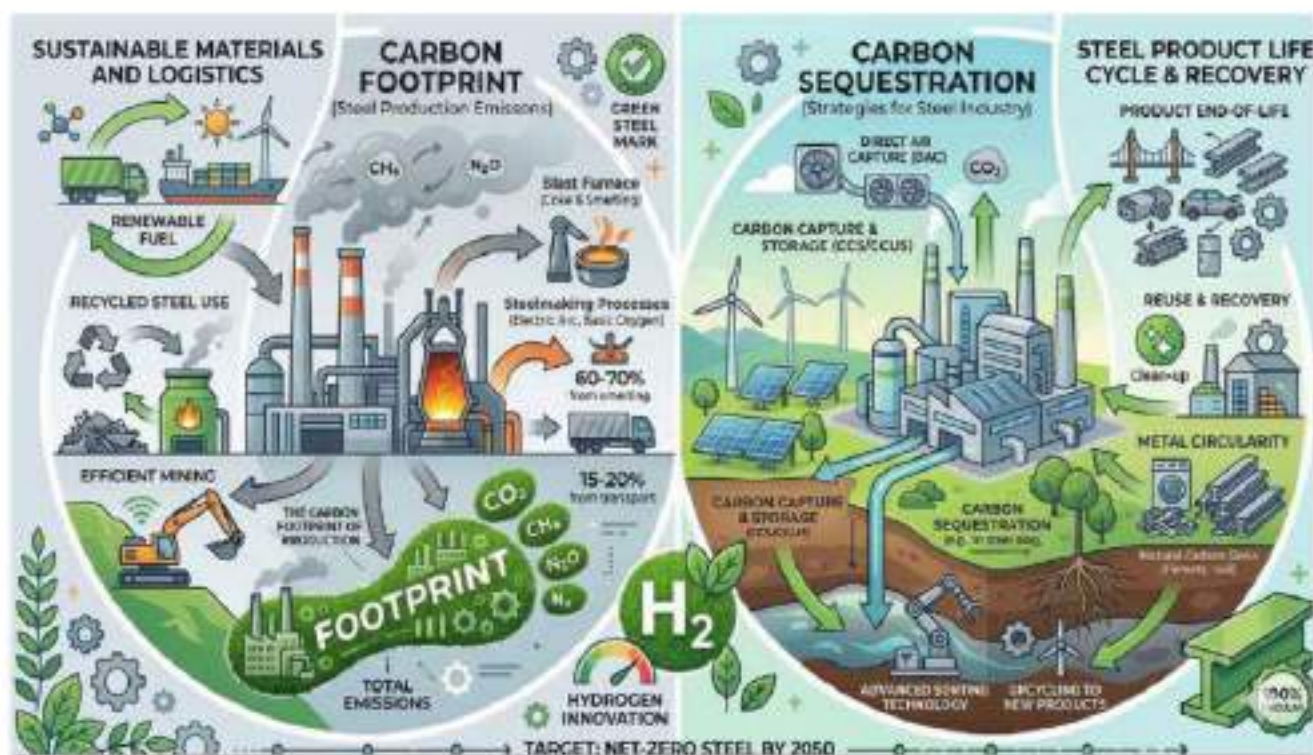
Website: www.sungreenpower.net

ANNEXURE-17

SPS STEELS ROLLING MILLS LTD.

CITY: DR. ZAKIR HUSSAIN AVENUE, DMC WARD-26, P.O.: ABL (SUB POST-OFFICE),
P.S.: NEW TOWNSHIP, DIST.: PASCHIM BARDHAMAN, WB-713206

ASSESSMENT OF CARBON FOOTPRINT & CARBON SEQUESTRATION STUDY



FOR
PRODUCTION OF 0.35 MTPA CRUDE STEEL/STAINLESS STEEL AND 0.456
MTPA (MAX.) TMT/WIRE ROD, INCLUDING ALL ALLIED FACILITIES.

INTRODUCTION

In 2015, the global response to the threat of climate change took a step forward when 190 nations adopted the Paris Agreement. In 2019, the United Nations announced that over 60 countries including the United Kingdom and the European Union (with the exception of Poland) had committed to carbon neutrality by 2050. Moreover, some nations have pledged to work toward earlier dates. Together, these agreements have led to growing pressure to pursue decarbonization across all industrial sectors. India's Nationally Determined Contribution (NDC's) primarily targets by 2030 a reduction in the emissions intensity of Gross Domestic Product (GDP) by 33 to 35 percent; achieving about 40 percent installed power capacity from non-fossil fuel-based energy resources; energy efficiency; and creating an additional carbon sink of 2.5-3 billion tons of carbon dioxide equivalent through additional forest and tree cover.

Steel is one of the core pillars of today's society and, as one of the most important engineering and construction materials, it is present in many aspects of our lives. However, the industry now needs to cope with pressure to reduce its carbon footprint from both environmental and economic perspectives. Currently the steel industry is among the three biggest producers of carbon dioxide, with emissions being produced by a limited number of locations; steel plants are therefore a good candidate for decarbonization. While the industry must adapt to these new circumstances, it can also use them as a chance to safeguard its license to continue operating in the long term.

The direct CO₂ intensity of crude steel production has been relatively constant in the past few years. In contrast, in the Net Zero Emissions by 2050 Scenario it falls an average 4% annually between 2020 and 2030. Achieving this reduction and maintaining it after 2030 will not be easy. Potential for energy efficiency improvements will likely soon be exhausted. Thus, innovation in the upcoming decade will be crucial to commercialize new low-emissions processes, including those that integrate CCUS and hydrogen, to realize the long-term transformational change required. Governments can help by providing RD&D funding, creating a market for near-zero. Emissions steel, adopting policies for mandatory CO₂ emissions reductions, expanding international co-operation and developing supporting infrastructure.

In this report, the carbon footprints from different factors of *SPS Steels Rolling Mills Limited* will be determined and the carbon sequestration data from the unit will be accessed to have an insight on annual carbon emissions from the unit. This report also provides measures to further reduce the carbon emissions from the unit through implementation of new cleaner technological advances and sustainable environment methods.

CARBON FOOTPRINT:

Carbon footprint (CF) is used to measure the impact of human activities on natural ecosystems, the relative size of human consumption on ecosystems, and it emphasizes on the effect of carbon emission of human energy activities on atmospheric environment. Based on different industries, different levels have been formulated and different greenhouse gases have been considered. Six kinds of greenhouse gas emissions such as CO₂, CH₄ and N₂O etc. produced by human activities in the country have been estimated. The carbon footprint is characterized in three levels:

- ⇒ The first level comes from the direct carbon emissions of the institution itself.
- ⇒ The second level expands the boundary to the direct carbon emissions of the Department that provides the energy sector.
- ⇒ The third level includes the direct and indirect carbon emissions of the whole life cycle of the supply chain.

Based on production data of *SPS Steels Rolling Mills Limited* and CO₂ Emission Factors for steel industry (Source: *Report on Greenhouse Gas Emissions from Major Industrial Sources -III Iron and Steel Production by International Energy Agency and USEPA*) the CO₂ emissions are calculated and carbon footprints are tracked in the unit. Following is the envisaged carbon emission calculations from *SPS Steels Rolling Mills Limited* based on the emission factors.

FACILITIES UNDER OPERATION:

- ⇒ Sponge Iron Division: Dri Kiln 1x100 TPD + 2x40 TPD
- ⇒ SMS Division: 5x20T/Heat

CARBON FOOTPRINT IN EXISTING PROJECT:

Emission Factor based on 2006 IPCC Guidelines for National Greenhouse Gas Inventories. Following table shows the CO₂ emissions

1. SPONGE IRON DIVISION (DRI PLANT)

Plant	Product	Production (T)	Emission factor	CO ₂ e emission (T)
DRI Division	Sponge Iron	30192	0.7	21135

Table 1: CO₂e Emission from DRI Division

2. SMS DIVISION (INDUCTION FURNACE):

Unit	Required Raw Materials	Quantity (T)	Carbon Content (W/W)	Total Carbon Taken to IF (T)	Carbon Retained in MS Billet (T)	Carbon Burnt (T)	CO ₂ e Emissions (T)
SMS	Pig Iron	28079	0.04	1123	582	3808	13963
	Sponge Iron	163403	0.02	2451			
	Ferro Alloys	2881	0.02	58			
	Scrap	37914	0.02	758			
	BILLET	194016					

Table 2: CO₂e Emission from SMS Division

Thus, the cumulative CO₂e emitted from the Operational Facilities (Sum of Table 1 to 2) is 35098 tons CO₂e/Annum.

(Reference Point: Source: Report on Greenhouse Gas Emissions from Major Industrial Sources –III Iron and Steel Production by International Energy Agency and USEPA; Technical Support Document for the Ferro alloy Production Sector: Proposed Rule for Mandatory Reporting of Greenhouse Gases).

MITIGATION MEASURES TO REDUCE CARBON FOOTPRINTS:

With the growing concern over climate change, steel makers are faced with the challenge of finding ways of lowering CO₂ emissions without seriously undermining process efficiency or considerably adding to costs. The iron and steel industry are the largest industrial source of CO₂ emissions due to the energy intensity of steel production, its reliance on carbon-based fuels and reductants.

The technological compendium of industries suggests the need to shift from traditional carbon intensive technologies for iron and steel production to low-carbon environment friendly technologies. Following are the measures which shall be adopted in coming years by the industries to reduce the overall carbon footprints-

- Energy Monitoring & Management System
- Adoption of Variable Voltage Variable Frequency (VVVF) Drives for high-capacity electric motors
- Minimizing energy consumption and improving the energy efficiency of the process.
- Changing to a fuel and/or reducing agent with a lower CO₂ emission factor;
- Renewable energy sources like solar system shall be implemented in the industry up to a possible extent.
- Installing state of art cleaner technologies.
- Afforestation/Plantation and its maintenance.
- Metallurgical wastes (Slag, Sludge, fines, dust) into Sintering contributes significantly for reducing carbon dioxide emissions
- Supporting the deployment of Digital Product Passports (DPPs) in the downstream products and applications of steel (e.g., in construction and transportation industries) can improve the process of steel recovery and reuse. The design of DPPs usually contains product related information by manufacturers, including instructions on disassembly and dismantling. If followed correctly during the recycling or end- of-life phase of steel products, steel recovery rates can be enhanced.
- The continuation and reinforcement of the promotion of sustainable means of transport for commuters, such as bicycles, public transport and, car-pooling would contribute to reducing carbon emissions.

MEASURES BEING TAKEN BY SPS STEELS ROLLING MILLS LIMITED, UNIT-I:

We are implementing several clean technology initiatives designed to modernize and improve the sustainability of our running plant operations.

- Direct hot charging of billets from SMS to rolling mill.
- Promoting minimum use of vehicles during plant visit.
- Installation solar light system on the roof top of administrative building for office lighting purpose.
- Increasing afforestation in and around the factory premises.
- The use of sensible heat generated during the sponge-iron-making process for power generation falls under criteria of green energy generation.
- The continuation and reinforcement of the promotion of sustainable means of transport for

commuters, such as bicycles, public transport and, most of all car-pooling would contribute to reducing carbon emissions.

ATTEMPTS TO REDUCE CARBON EMISSION/TO BRING DOWN CARBON INTENSITY:

- SPS STEELS ROLLING MILLS LIMITED shall prefer direct charging of hot billets to rolling mills from SMS. This attempt will remarkably reduce dependency on re-heating furnace and burning of fossil fuel like LSHS/LDO and consequently reduce the CO₂ emission. Company shall always scope the optimal use of reheating furnaces proposed in expansion project.
- SPS has purchased 10 Nos. of EV (Electric Vehicle) cars and re-charging of these batteries shall be through electricity generated from solar panel planned to be installed.

These moves should be considered as its positive attempts to bring down Carbon intensity. Moreover, the company proposes uses of Variable Frequency Drive ID Fans, Energy Monitoring & Management System, Regenerative Burners in Re-heating Furnace of Rolling Mills, Adoption of Variable Voltage Variable Frequency (VVVF) Drives for high-capacity electric motors, Installing state of art cleaner technologies.

CARBON SEQUESTRATION:

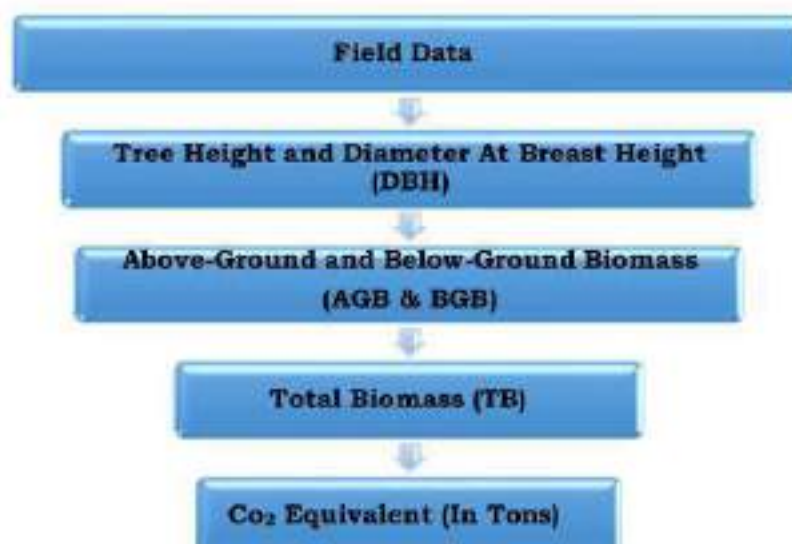
Carbon sequestration is defined as the removal of carbon dioxide from the atmosphere and storage in a system. Carbon sequestration is gaining its importance in carbon credit and trading. Identification of many CDM (Clean Development Mechanism) projects has offered special flexibility and relevance in the carbon reduction and has helped improve the national economy. These projects have estimated the quantity of carbon in various systems and their dynamics associated with it. With these estimations, several strategies and formulations have evolved quantifying and reducing the carbon foot print.

No doubt, carbon sequestration can be achieved through various systems, but trees form to be the largest terrestrial sink of carbon dioxide. Therefore, the plantation is granted as the most efficient and biggest terrestrial carbon sequestration method. Out of the five most important terrestrial carbon sequestration system (above ground biomass, below ground biomass, litter, wood debris, and soil organic carbon), the above and below ground biomass are the top two in the pool.

Biomass of trees develops when plants take in carbon dioxide from the atmosphere in the presence of sunlight and convert them into starch in their tissues. Several studies have revealed that the carbon content in these tissues is half their biomass. So, with their growth and development, trees go on sequestering CO₂ from the atmosphere and store in their tissues as carbohydrates. This continues until the death of the tree. The rate of carbon sequestration is however maximum during the early stages of growth in trees when trees try to produce more and more amount of food to grow, meet the energy required by them and to stabilize in their respective environmental conditions.

ESTIMATION OF CARBON SEQUESTRATION POTENTIAL OF TREES:

There are generally two methods to estimate carbon sequestration in plant biomass. Direct method that involves cutting of the tree and Indirect method that is calculated through the above ground biomass and below ground biomass method without slashing the tree. Being ethically and ecologically sound, the second method was preferred for the present study.



METHODOLOGY FOR CARBON SEQUESTRATION FROM TREES:

The Girth at Breast Height (GBH) of the trees was measured using a measuring tape at a height of 1.96 m from the ground surface. The height of the trees was measured using reference method (referring to the height of a nearby building or tower), pencil method and angle method as per the convenience. The Above Ground Biomass (AGB) and Below Ground Biomass (BGB) were then calculated as per the formula is given below.

- Basal area (m²) = (GBH)²/4π
- Bio-volume (m³) = Basal area x Height of the tree
- AGB (kg) = Bio-volume x Wood density (kg/m³)
- BGB (kg) = AGB x 0.26 (Where 0.26 = Root to Shoot ratio)
- Total Biomass (TB) in kg/tree = AGB + BGB
- Total Carbon Sequestered (TC) in kg/tree = TB/2

The Carbon content in trees was taken on an average as 50% of the tree biomass. The wood density of the individual tree species was derived from secondary sources. The CO₂ equivalent was calculated using the following formula:

- CO₂e = (TC x 44)/12
- Where, 44 and 12 are the molecular and atomic weight of CO₂ and C, respectively.

SPS Steels Rolling Mills Limited, Unit-I has planted 9405 trees covering the entire land. The carbon sequestration by plantation shown in the following table -4:

Table 3: Carbon Sequestration through Greenbelt Development in and around the plant premises of SPS STEELS ROLLING MILLS LIMITED, UNIT-I

SL No.	Plant Species	Local Name	Periphery (cm)	Basal Area (m ²)	Height (M)	Basal Volume (M ³)	Density (Kg/M ³)	AGB (Kg)	BGB (Kg)	TB (Kg)	TC (Kg)	CO ₂ e (Kg)	No. of Tree	Total CO ₂ e (T)
1	<i>Asiaticachar indica</i>	Nasim	68	0.036	6.5	0.237	900	213.33	55.47	268.80	134.40	492.80	665	327.71
2	<i>Polyspatha longifolia</i>	Debdaru	30	0.007	4	0.028	875	24.84	6.46	31.30	15.65	57.39	60	3.44
3	<i>Acacia auriculiformis</i>	Sonajhuri	48	0.018	5	0.091	625	56.78	14.76	71.55	35.77	131.17	210	27.55
4	<i>Dalbergia sissoo</i>	Shisha	59	0.027	8	0.220	800	175.70	45.68	221.38	110.69	405.86	65	26.38
5	<i>Ficus benghalensis</i>	Bot	78	0.048	7	0.336	700	235.11	61.13	296.24	148.12	545.10	390	211.81
6	<i>Ficus religiosa</i>	Peepal	95	0.071	10	0.712	700	498.23	129.54	627.76	313.88	1150.90	470	540.92
7	<i>Anthecaphala caduvela</i>	Kachin	59	0.027	6	0.165	600	98.83	25.70	124.53	62.26	228.30	1220	278.52
8	<i>Mimusops elengi</i>	Bakul	58	0.027	3.5	0.093	1008	93.60	24.34	117.93	58.97	216.21	45	9.73
9	<i>Albizia lebbek</i>	Sreesh	85	0.057	8	0.456	630	287.18	74.67	361.84	180.92	663.38	1165	772.84
10	<i>Cono Carpus</i>	Cono Carpus	54	0.023	7	0.161	580	93.37	24.28	117.64	58.82	215.68	1390	299.79
11	<i>Cassia pinnata pulcherrima</i>	Radhachura	64	0.032	4.5	0.145	530	77.04	20.05	97.07	48.54	177.97	1665	296.32
12	<i>Delonix regia</i>	Krishnachur	54	0.023	4.5	0.103	510	52.78	13.72	66.50	33.25	121.92	85	10.36
13	<i>Lagerstroemia speciosa</i>	Jarul	45	0.016	3	0.048	700	33.54	8.72	42.26	21.13	77.47	90	6.97
14	<i>Millettia pinnata</i>	Kamaj	61	0.029	4	0.117	680	79.82	20.75	100.57	50.29	184.38	25	4.61
15	<i>Eucalyptus globulus</i>	Eucalyptus	48	0.018	8	0.145	582	84.60	22.09	106.60	53.30	195.43	40	7.82
16	<i>Alstonia scholaris</i>	Chhatim	72	0.041	4	0.164	700	114.47	29.76	144.24	72.12	264.43	35	9.26
17	<i>Wodyetia bifurcata</i>	Fox Tail Palm	45	0.016	2.8	0.045	540	24.15	6.28	30.42	15.21	55.78	70	3.90
18	<i>Artocarpus heterophyllus</i>	Katahal	68	0.036	4.5	0.164	600	98.46	25.60	124.06	62.03	227.44	110	25.02
19	<i>Syzygium cumini</i>	Jamun	68	0.036	4.2	0.153	700	107.21	27.88	135.09	67.54	247.66	830	205.56
20	<i>Touranalla arjuna</i>	Arjun	68	0.036	7	0.255	750	191.45	49.78	241.23	120.61	442.25	65	28.75
21	<i>Areca catechu</i>	Areca	68	0.036	3	0.109	880	96.27	25.03	121.30	60.65	222.39	40	8.90
22	<i>Tecoma stans</i>	Trikoma	68	0.036	3	0.109	580	63.45	16.59	79.95	39.97	146.57	550	80.62
23	<i>Svetenia</i>	Mehguni	68	0.036	5	0.182	750	136.75	35.56	172.31	86.15	315.89	55	17.37
24	<i>Hibiscus rosa-sinensis</i>	Hibiscus	38	0.011	2.5	0.028	700	19.93	5.18	25.11	12.56	46.04	35	1.61
25	<i>Hyophorbe lagenicarpa</i>	Bottle palm	68	0.036	6	0.219	900	196.92	51.20	248.12	124.06	454.89	30	13.65
Total													9405	3219

The total carbon sequestration by plantation in stipulated period is 1610 tons CO₂e

Table - 03 shows that the total CO₂e sequestration potential from greenbelt development (9405 nos. trees) is estimated to be 1610 tons CO₂e. This number is aimed to be maintained on a yearly basis target by plantations & gap filling to reduce & sequester CO₂e emissions.

INSTALLATION OF SOLAR FACILITIES:

M/s SPS Steels Rolling Mills Limited, Unit-I, has proposed to install 2500Kwp Solar panels to produce non-conventional green energy for office & auxiliary usage. It will be helpful in carbon sequestration as follows shown in Table 05(a) & 05(b). Installation solar panel is under progress.

Table - 04 (a)

The capacity of Solar Panel	2115 Kwp
Av. Power Generation	0.3 MWh
Power generation in 24 hours (per day)	7.2 MW
Power generation in a year	1310.4 MW

Table – 04 (b)

CARBON SEQUESTRATION	
Average Coal consumption per MW	0.90 T
Total Coal consumption for 1310.4 MW	1179.36 T
Total Carbon as FC	790.17 T
Total CO ₂ e emission Sequestration	2897.29 T

In addition to afforestation, installation of the solar panel shall contribute carbon sequestration up to 2897.29 T CO₂e i.e. more than 15 Ton/day as shown in table- 04(a) & 04 (b)

Thus, through various small-scale & large-scale methodologies, the organization aims to minimize its carbon footprint.

CONCLUSION:

M/s SPS Steels Rolling Mills Limited, Unit-I is committed to reducing the overall Green House Gases and Ambient pollution levels by adopting cleaner technologies and carrying out ecological development activities. The company aims to reduce carbon emissions by introducing different energy-efficient technologies with usages of renewable energy resources,

Further, with the implementation of Carbon capture and storage (CCS) plants in steel industries, steel plants could progress to become near-zero emitters of CO₂. The commercial viability of CCS partly depends on the price of carbon emissions which is set by government policy. Developing new technologies, such as the Hisarna process, that are designed to generate a nitrogen-free and CO₂-rich off gas which will make CO₂ capture & control easier and cheaper.

To conclude, no single option can yield the necessary CO₂ emission reductions but a combination of technologies available can be retrofitted to achieve significant reductions, which is possible after commercial deployment of the same by the Government of India.

ANNEXURE-18

SPS STEELS ROLLING MILLS LIMITED

RISK & DISASTER MANAGEMENT PLAN

PROJECT LOCATION

**Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur,
District –Paschim Bardhaman, West Bengal**

 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil - Faridpur Durgapur, District - Paschim Bardhaman, West Bengal	Page 1
	Risk and Disaster Management Plan	

SL No.	Descriptions	Page No.
1	Introduction	2
2	Organization Structure	4
3	Manpower and working shift	5
4	Nature of Hazards	5
5	Process Description	5
6	Inventory of Raw Material and Hazardous Waste	6
7	Onsite Emergency Plan	7
8	Identification of Hazards	8
9	Key persons and their role	10
10	Action Plan for Risk & Disaster Management	13
11	Facilities for on-site emergency plan	16
12	Disaster Management Plan (DMP)	18
13	Emergency Command Structure	20
14	Emergency contact numbers	21

 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil – Faridpur Durgapur, District – Paschim Bardhaman, West Bengal Risk and Disaster Management Plan	Page 2
---	---	----------

Introduction:

The project site of M/s SPS Steels Rolling Mills Limited (SPS) is located at Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil – Faridpur Durgapur, District – Paschim Bardhaman, West Bengal having Latitude: 23°30'45.00"N to 23°30'58.03"N & Longitude: 87°19'42.28"E to 87°19'56.01"E.

Project site of SPS is well connected by road and rail. The nearest railway station is Durgapur Railway Station which about 2.2 km from project site

The last two decades have seen many technological innovations that have contributed to automated, more reliable and cost effective safety management techniques, equipment and systems. Responsiveness & competence needs to be created among the Indian industry about tools & methodologies of safety techniques to understand and mitigate the hazards they are dealing with on a day-to-day basis, and create a safe working environment, for its own machinery, employees and community around. The code of practice on safety management system will be very useful for engineering industries in order to eliminate hazards and for providing safe work environment to employees.

The safety and protection of people, equipment and the environment is a serious concern in the engineering industries. Many industries have recognized the advantages of Safe Work Environment and are progressively adopting Safety Management System to prevent hazardous events, avoid production & manpower losses and other fallouts associated with industrial accidents. Safety management system also assists industries to enhance employee knowledge of operations, improve technical procedures, maintain accurate process safety information and increase overall facility productivity.

GENERAL INFORMATION ABOUT THE FACTORY:

M/s SPS Steels Rolling Mills Limited is one of the leading manufacturers of a full range of iron and steel products in India. Shakambhari group has completed the process of acquisition and taken over control of SPS Steels Rolling Mills — the makers of 'Elegant Steel and TMT bars' after receiving approval from the Kolkata bench of National Company Law Tribunal (NCLT). The NCLT gave its final nod for takeover on 8th April 2019 and the process was completed on 11th April 2019. Shakambhari group, incorporated in the year 1996 by Mr. Deepak Kumar Agarwal, is one of the fastest growing integrated steel manufacturing company in Eastern India with its headquarter in Kolkata.

 SHAKTAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil - Faridpur Durgapur, District - Paschim Bardhaman, West Bengal Risk and Disaster Management Plan	Page 3
--	---	---------------------------------------

Presently, the company is having following facilities in operations

- 1 x 100 TPD DRI Kiln
- 2 x 40 TPD DRI Kilns
- 5 x 20 T Induction Furnace with Caster
- 1 x 18 TPH Reheating Furnace
- 1300 TPD Rolling Mill

Organizational Structure:



 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil –Faridpur Durgapur, District –Paschim Bardhaman, West Bengal Risk and Disaster Management Plan	Page 5
---	---	----------

Man Power

Maximum number of persons available in the plant at any point of time is as follows:

Persons working under various shifts

Sl. No.	Shift	Period	Average Employment/Day
1.	A	06:00-14:00 Hrs	170
2.	B	14:00-22:00 Hrs	170
3.	C	22:00-06:00 Hrs	170
4.	G	09:00-18:00 Hrs (Lunch Break: 13:00-14:00 Hrs)	190
Total			700

Depending on requirements employees are called in different shifts and few employees are called on duty during national/festival holidays and off days.

Nature of Hazards in SPS

A steel industry is hazardous by its very nature. The nature of various hazards in SPS Plant is detailed below:

Hazards	Source
Fire Hazard	Spillage of Fuel Oil,
Explosion due to spillage of hot metal coming in contact with water	Spillage/Transfer of hot metal, or liquid steel
Heat radiation due to hot metal handling	Spillage of liquid metal, hot steel and hot slag
Accidents due to failure of Material Handling(lifting & carrying) Equipment	Connected with all Material Handling Equipments through EOT cranes

PROCESS DESCRIPTION (in brief)

➤ DRI

Sponge iron is manufactured through the coal-based route in which iron ore is converted into Sponge Iron or directly reduced iron in a rotary kiln using coal both as reductant and fuel.

Rotary kiln unit comprises of raw materials storage bins, rotary kiln, rotary cooler, product screening and magnetic separation units, After Burning Chamber and in-plant dedusting system.

Iron ore and coal, after proper sizing in the respective crushing and screening stations as well as sized dolomites are fed to the raw material day bins for kiln.

 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil - Faridpur Durgapur, District - Paschim Bardhaman, West Bengal	Page 6
	Risk and Disaster Management Plan	

With the rotation of the kiln, the charge moves down the slope and the surface of material is exposed to heat and reducing atmosphere. The reduction from iron oxide to iron occurs by a gradual removal of oxygen at various temperatures under the controlled reducing atmosphere giving rise to various intermediate oxides.

Hot sponge iron is discharged from the kiln-discharge end and taken into the rotary cooler. The sponge iron after cooling is discharged through the cooler discharged chute into a heat resistant belt conveyor and carried into the product processing building. The product (Magnetic in nature) is screened and separated from char, which is not magnetic.

The gas generated, during the process, contains fine dust particles, which are captured and separated in ESP and clean gas discharged through stack.

➤ **STEEL MELTING SHOP (SMS):**

In the SMS section scrap and pig iron are charged in Induction Furnace along with DRI in which heat is applied by induction heating and melted by electrical eddy current in a crucible placed in a water cooled alternating current solenoid coil. After achieving the desired composition and temperature, slag is scooped out from the top of hot metal and hot metal is poured into transfer ladle crucible and sent to CCM after addition of requisite amount of Ferro alloys. Induction furnaces are provided with matching billet casters.

In CCM liquid steel is casted to billets.

➤ **ROLLING MILL**

Steel Billets from concast machine is being cut to desired sizes and either fed to hot rolling mill for processing or transferred to raw material shed store. Cold Billets are transferred to roller table and pushed through the Reheating furnaces which are heated and soaked up to 1150 to 1200°C.

The Billets are processed through roughing mill, intermediate mills and finishing mills to get the finished rolled products. Reheating of Billets is being done in reheating furnace by using CBM gas. Then rolled products are cropped & caught in required commercial length by hot saws.

Hot gas generated from the Reheating Furnace is passed through recuperators and then discharged through the stack.

INVENTORY OF RAW MATERIALS

The inventories of raw materials used in the process are listed in the table below, which gives details of material stored. It contains maximum one month storage for each substance in process and transferred to day tanks to meet daily consumption, it is because day tanks are connected to unit where it is consumed.

 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil - Faridpur Durgapur, District - Paschim Bardhaman, West Bengal	Page 7
	Risk and Disaster Management Plan	

Maximum storage of capacity of raw materials

Sl. No.	Operating Unit	Raw Materials	Max. Storage Capacity (Metric Tons/Month)
1.	Sponge Iron Plant	Iron Ore	10000
		Coal	10000
		Dolomite	50
2.	Induction Furnace	Sponge Iron	1000
		Pig iron	500
		Scrap	1000
		Ferro Alloy	1000
3.	Rolling Mill	MS Billet	40000

INVENTORY OF HAZARDOUS SUBSTANCES:

The inventory of Hazardous materials is mentioned below:

Sl No.	Name Of Hazardous Substances	Maximum Storage Capacity
1	HSD/LDO	1 X 20 KL 1 x 5 KL

ONSITE EMERGENCY PLAN

Onsite and Offsite disaster preparedness and emergency management plan including risk assessment and damage control.

In a steel plant, the steel making process involves a number of hazardous processes starting from raw material handling, melting of iron ore, and converting iron into steel till the finished products. Also, the by-product plants, captive power plant, utilities & other auxiliary plants use considerable amount of combustible materials and these materials are stored in bulk storages like tanks, cylinders, drums, and gas holders etc., installed in the plant posing major risks.

The detailed study with concern to various possible hazards and their associated processes & equipment's has been identified. The list of these identified hazardous equipment in the plant is given in the following pages. The potential hazards from the above identified equipment and from the various hazardous operations/processes in the plant have been analyzed and the possible causes for occurrence of such hazards, likely consequences and the remedial action required are recommended.

Risk and Disaster Management Plan**Emergency Action Plan:**

Emergency Planning begins with the identification and assessment of the principal hazards which are normally fire, explosion and toxic release. With the growing complexity of the process plants, more systematic and searching methods for risk identification and quantification have been developed over the years. Generally the emergencies that occur in process plants are classified into two categories. The one whose effects remain within the boundary limits of the plant is known as On-Site Emergency and the one where the effects go beyond the boundary limits is known as Off-Site Emergency. In SPS, the requirements of the On-Site Emergency Plan are addressed due to fire hazard only.

This On-Site Emergency Plan is prepared for SPS Steels Rolling Mills Limited in accordance with the guidelines provided by the Ministry of Environment & Forests & Climate Change (MoEF&CC), Govt. of India, covering the various hazardous processes and the bulk storages of hazardous materials, toxic gases etc., in different departments.

HAZARD IDENTIFICATION AND DETAILS OF PROPOSED SAFETY SYSTEMS**Identification of Hazards**

Hazard is in fact the characteristics of a system/plant/storage that presents potential for an accident and risk is the probability of occurrence of hazard. Hence hazard identification is of prime significance for the quantification of risk and for cost -effective control of accidents in any industrial installation. Various techniques of predictive hazard evaluation and quantitative risk analysis suggest identification of hazard has very important role in estimation of probability of an undesired event and its consequences on the basis of risk quantification in terms of damage to personnel, property and environment.

Hazards are mostly manifested in the form of fire/ explosion/ toxic release. Each anticipated hazard scenario associated in the unit is described along with its assessment of impact on plant and locality in the following table:

 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Arzuman, G.T. Road (Inco American More), Durgapur, Tehsil - Faridpur Durgapur, District - Paschim Bardhaman, West Bengal	Page 9
Risk and Disaster Management Plan		

ANTICIPATED HAZARD SCENARIO:

Type of Hazard	Areas	Preventive / Mitigation measures
Pool fire/ ball fire	HSD Storage Tank	Dyke wall is provided around the tank. Regular monitoring being done to check out the leakage/spillage if any. Fire protection measures (Foam Trolley, DCP cylinder and hydrant system) are provided. Area is as "No Smoking Zone".
CBM gas leakage	Rolling Mill Division (RMD)	CBM gas being supplied by Essar Oil and Gas Exploration and Production Ltd. to our premises through pipeline. Gas supply line is equipped with safety valve and measuring devices. Fire Extinguishers are provided to control any fire incident. Caution board is provided to prevent unauthorized access. Regular monitoring being done by the supplying agency & also by SPS technical people.
Dust	Raw material handling & storage yard	Raw materials are transported in the trucks with tarpaulin covers. Raw materials are kept on concreted land with tarpaulin cover. Water sprinkling facility is provided for dust suppression during material handling in the yard. Conveyor belts used for raw material feeding and carrying finished goods are properly covered. PPEs like nose mask, safety helmet, safety shoes and safety goggles are provided to persons, deployed for working in this area.
Noise	Turbine Generator hall, Blower house, Air compressor house, DG & Pump houses.	Equipment's are suitably covered in building with adequate ventilation to attenuate the noise level against outside exposure and area keeps generally unmanned, however working personnel are provided with ear plugs and ear muffs during inspections
Heat Exposure	DRI, SMS & RMD	Providing proper PPE like leg guards with shoes, Face shield, leather hand gloves, Leather Aprons, helmets etc. Thermal insulation for steam line. Providing fans, air blower and showers etc.
Acid exposure	DM Plant/ Laboratory	Acid and Base used are being kept on isolated place with proper leveling. Personnel handling these chemical being well equipped with PPEs like rubber hand gloves, apron, nose mask, face shield/safety goggles, safety shoes etc. Once any person gets exposed to acid or base the affected parts are thoroughly washed with cold water and necessary first/medical aid is given to the victim.

IDENTIFICATION OF MOST CREDIBLE HAZARD SCENARIOS

All the anticipated hazard scenarios associated with the factory (as listed above) are critically analyzed and identified credible scenario is pool fire/ball fire if the HSD if comes in contact with flame or it may auto ignite at 225°C. Flash point of HSD is 32°C. Flash point of CBM gas is 33°C. Tank fire spreads vertically taking a

 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil -Faridpur Durgapur, District -Paschim Bardhaman, West Bengal Risk and Disaster Management Plan	Page 10
---	---	-----------

conical shape due to rush of air from all directions, whereas CBM gas fire spread vertically at leakage point as a flare.

Since the suitable firefighting system are provided to control emergency situations. On the basis of above consideration, the pool fire due to fire hazard in the storage tank is not considered as most credible scenario and risk of leakage of CBM gas is considered low because of safe operating practices.

Tank fire may be caused by lightening, but when tank leaks or overflows due to mal operation of instruments or negligence of operator and liquid gets ignited by chance; then this may be treated as a large pool fire and dealt as a common fire.

But in case of disaster due to natural calamities a disaster management team will come to action.

KEY PERSONNEL

Key personnel are the directed and nominated people, each having specified responsibilities as a part of a coordinated plan.

The main key personnel are:

- Works Incident Controller.
- Site Incident Controller.
- Works Main Controller.
- Other key personnel who have the key Role to play are senior personnel from all sections e.g. production, maintenance, laboratory, medical, transport, safety, security etc.

Role of Key Persons

Works Incident Controller (WIC)

The Works Incident Controllers are the departmental heads of respective divisions for DRI, SMS and RMD whose duties include the direction of the efforts and lead to onsite emergency response team to control the situation.

Since in the initial stages of emergency, the Works Incident Controller may be called on to take decisions involving the operations of other plants, it is necessary for the person selected to have a thorough knowledge of the overall works situation.

The person working as shift in-charge/manager i. e., an individual having overall control of the works processes for a shift shall work in the authority of WIC when the Works Incident Controller (WIC) may be off-site or affected by the emergency.

Site Incident Controller (SIC)

He will be available at the factory or in the colony nearby. At any point of time and on being informed about an accident, he has to:

- Intimate the Works Main Controller (WMC) and proceed to the emergency site.

 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil -Paridipar Durgapur, District -Paschim Bardhaman, West Bengal Risk and Disaster Management Plan	Page 11
---	--	-----------

- Take the necessary information from Combat Team Leader (CTL), assess the situation and call Rescue Team Leader (RTL) and Auxiliary Team Leader (ATL).
- Inform Works Main Controller (WMC) regarding the situation.
- Take necessary steps and provide guidance to Combat Team, Rescue Team, and Auxiliary Team Leaders to mitigate the emergency situation.
- Examine for major emergency shutdown operation activities, decide safe escape route and announce for evacuation to Assembly Point.
- Inform Works Main Controller (WMC) about the status of the situation at regular intervals.

Works Main Controller (WMC)

The Works Main Controller is the GM-Commercial of the unit and is generally available in the factory or reside in the nearby except on tours. On emergency, he can reach work site at any odd hour within 30minutes time. In his absence, GM at Plant shall take up his charge as Works Main Controller (WMC)

In the major situation, decisions will have to be taken by Works Main Controller (WMC) by collaboration with the senior managers at works which may affect the whole or a substantial part of the works and senior officers of the outside services as per site situation.

After getting informed of an emergency situation WMC will rush to the emergency site, collect all information from SIC and

- Decide if emergency is to be declared and advise Site Incident Controller (SIC) accordingly and reach Emergency Control Room (ECR).
- Take decision to shut-down the plant if necessary to take up repair and other combating measures.
- Advise Rescue Team Leader (RTL)/Security Gate to blow the siren with appropriate code for declaration of emergency.

Emergency Siren

Twenty Seconds with a pause of Five Seconds for 5 times

- Advice (Auxiliary Team Leader) ATL for communication to statutory authorities and for mutual aid as required.
- Through Auxiliary Team Leader (ATL) shall ensure constant communication to statutory authorities and to mutual aid partners as required.
- Maintain continuous communication with Site Incident Controller (SIC) to review the situation and assess the possible course of action for emergency operations.
- To declare normalcy at the end of operation and advise Rescue Team Leader (RTL)/Security Gate to blow "all clear siren"

All Clear Siren will be blown for 1 minute continuously.

	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American Moee), Durgapur, Tehsil -Faridpur Durgapur, District -Paschim Bardhaman, West Bengal	Page 12
	Risk and Disaster Management Plan	

- Ensure the record keeping of emergency operations chronologically.

Essential Personnel

The Works Incident Controller/Main Controller will be supported by a Task Force of suitably trained people. The nature of essential works to be performed is:

- Shutdown of Plants
- Isolation, repairing of the affected equipment /pipeline etc.
- First Aid and removal of the injured persons to hospital.

COMBAT TEAM LEADER

He is the leader to attend to the emergency and is available in the factory or in the colony at any instant.

On being informed about an accident, he has to:

- Immediately rush to the site and lead the rescue team to control the situation.
- Inform Site incident controller (SIC) about the incident and request him to rush to the spot.
- Give the necessary instructions to the rescue team to combat the situation
- Co-ordinate the activities of team members and combat the emergency, so as to eliminate the root cause of the hazard.
- To arrest the leakage and spillage from various equipment, shut down the concerned equipment.
- Take necessary action to remove unwanted persons from the site of the incident.
- Keep informed about the developments to Site Incident Controller (SIC).

RESCUE TEAM LEADER

He is the person who conducts rescue operations and should be available at any instant. On receiving the information about the incident he has to:

- Rush to site of emergency through safe route.
- Ensure presence of all his team members, availability of firefighting facilities and take necessary action to arrest the fires/leakage of gas.
- Arrange for safe escape of entrapped persons.
- Make necessary arrangements to send the affected persons for immediately medical attention through the medical officer.

 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil – Faridpur Durgapur, District – Paschim Bardhaman, West Bengal Risk and Disaster Management Plan	Page 13
---	--	---------------------------------

- Search for the missing persons on the basis of role call taken by Auxiliary team leader (ATL).
- Give the feedback to the site incident controller (SIC) about the developments.

AUXILIARY TEAM LEADER

He is the communication manager for the crisis management. On being informed of the emergency, he should proceed to Emergency Control Room (ECR) and:

- Keep in constant touch with works main controller (WMC) and Site Incident Controller (SIC).
- Inform the Statutory Authorities and District Administration.
- Communicate to mutual Aid Partners, Fire service stations at City Centre (Durgapur).
- Send communications to Govt. Hospital and ESIC at Durgapur for rendering services.
- Inform the relatives of casualties and send them to their residence or hospital as the case maybe.
- Take care of visit of the authorities to the Emergency site.
- Give feed back to work main controller (WMC) about the status with respect to his areas of activities.

Action Plan for Risk and Disaster Management

STEP NO	INITIATOR	ACTION TO TAKE
1.	The person noticing the emergency	• Inform the Security Gate and concerned Shift-in —charge immediately. Shift-in-charge will inform immediately to Combat Team Leader of concerned area.
2.	Combat team Leader (CTL)	• Inform Site Incident Controller (SIC) and rush to spot and organize his team. • Take charge of the situation, arrange for firefighting and medical first-aid available at site. • To start combating, shut-down equipments, arrest the leakage of gas/fire.

Risk and Disaster Management Plan

3.	Site Incident Controller (SIC)	• Inform works Main Controller (WMC) and rush to emergency site. • Discuss with Combat Team Leader (CTL), assesses the situation and call the Rescue Team Leader (RTL) & Auxiliary Team Leader (ATL). • Organize the Rescue Team and Auxiliary Team and send the rescue Team to site. • Arrange to evacuate the unwanted persons and call for additional help. • Pass information to the works main controller (WMC) periodically about the position at site.
4.	Works main Controller (WMC)	• Rush to emergency site and observe the ongoing activities. • Take stock of the situation in consultation with the SIC. • Move to Emergency Control Room. • Take decision on declaration of emergency. • Advise Auxiliary Team Leader to inform the statutory authorities and seek help of mutual aid from partners as required. • Decide on declaration of cessation of emergency. • Ensure that the emergency operations are recorded chronologically.
5.	Rescue Team Leader (RTL)	• Consult with Site incident controller (SIC) and organize his team with amenities to arrest firefighting and medical treatment. • Rush to Emergency Site through safe route along with the team members. • Arrange to set off the fire by firefighting equipments and hydrant points to arrest the fire or to evacuate the area. • Shift the injured persons to hospital by ambulance after providing necessary first aid. • To inform the auxiliary team Leader for necessary help from mutual aid Partners.
6.	Auxiliary Team (ATL)	• On being directed by works main Controller (WMC) informs about the emergency to statutory authorities. • Seek help of Mutual Aid partners and Coordinate with Mutual Aid partners to render their services. • Arrange to inform the relatives of casualties. • Take care of visit of the authorities to the Emergency site.
7.	Team members	Each of the team members should follow the instruction of concerned team leader to mitigate the emergency.

 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil –Faridpur Durgapur, District –Paschim Bardhaman, West Bengal Risk and Disaster Management Plan	Page 15
---	---	-----------

Salient Hour Command Structure

- The Senior Officers/ Key Persons of the plant remain during day time i.e. 8 A.M. to 8 P.M. Hence the timing of 8P.M. to 8A.M. is considered as silent hour that to 10P.M. to 8A.M. is the crucial time. Still each and every unit/section of the plant is headed by shift in charge in the rank of Officer, Engineer or Sr. Engineer or Asst. Manager, who shall be responsible for handling the emergency. The other supporting/services and emergency sections like Fire Service, Ambulance, Security, Personnel, Water Supply, Transport departments etc. are also running for 24 hours shift wise with shift in charge and crew to handle emergency during the silent hour till main command personnel arrives. However, most of the key persons of the main command structure reside in nearby area and can reach within minimum time.
- The command structure of the silent hour shall be same as during normal hour, however, during the silent hour, the operation Shift-in charge of the concerned area where the fire or leakage of gas has taken place, shall act as SIC-in-charge, till the arrival of actual designation members.

ACTIVATION & CLOSING PROCEDURE FOR ON-SITE EMERGENCY ACTIVATION PROCEDURE

The person noticing the incident of fire or leakage of gas, shall inform about the location & nature of fire to the combat team Leader (CTL), security Gate and concerned Shift-in-charge.

Combat team Leader (CTL) shall inform site incident controller (SIC) and shall rush to the site immediately. He shall arrange for firefighting and first aid available at site. He shall arrange to take necessary steps to eliminate the root cause of fire.

Site incident controller (SIC) on getting information shall inform the WMC and reach the site at the earliest. He shall take over the charge and shall direct Rescue Team Leader (RTL) to carry out rescue operations including firefighting and medical attention. Site incident controller (SIC) shall co-ordinate with Combat team leader (CTL) to eliminate the root cause of fire.

- Work main controller (WMC), on arrival at site shall take stock of the situation from site incident controller (SIC) and then rush to emergency control room (ECR) to declare emergency on the basis of assessment made by (Site incident controller (SIC). He shall give direction to the security gate/ (Rescue Team Leader) RTL to activate siren.
- Twenty seconds with a pause of five seconds for 5 times for fire Accident.
- 30 Seconds with a pause of five seconds for 5 times for leakage of gas.
- Rescue Team Leader (RTL) shall mobilize fire-fighting and medical resources to site and shall assist (Site incident Controller) SIC.

 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil - Faridpur Durgapur, District - Paschim Bardhaman, West Bengal Risk and Disaster Management Plan	Page 16
---	---	-----------

- Auxiliary Team Leader (ATL) shall take charge of Emergency Control Room (ECR), shall ensure smooth operation of ECR and shall inform relatives of casualties. Informs mutual Aid partners and ensures their arrival at site if required.
- Auxiliary Team Leader (ATL) informs statutory authorities and district administration regarding emergency suitably and coordinates their visit at site.
- Works main controller (WMC) coordinates and keeps the track of all the activities at site and off the site and arranges the recording of the activities in a chronological manner for review of the Onsite emergency Plan.

Facilities Available For On-Site Emergency Plan:

Assembly Point

In any emergency it will be necessary to evacuate people from affected zones or the zones likely to be affected, to a safer place. Safer places are identified and designated as Assembly Points. Taking the area and hazard zones into consideration four assembly points have been marked in four different areas these are:

- 1- Near Administrative Building (Assembly Point-1)
- 2- Near DRI & RMP Area (Assembly Point-2)
- 3- Near SMS Area (Assembly Point-3)
- 4- Near Rolling Mills Division (Assembly Point-4)

Above the points are well connectable to the plant road and facilities like drinking water, temporary shelter and first aid is available there. These points are displayed at different places inside plant and near administrative building.

(a) Escape routes:

Escape routes are those that, allow reasonably safe passage of persons from the work area to assembly point during emergency situation. These routes would be different depending on wind direction, Fire and explosion scenario. Escape routes are ear marked on the drawings as well as on the routes, which will facilitate all for safe evacuation.

(b) Emergency Control Room (ECR):

The emergency Control Room is a place from which all emergency management operation are directed and coordinated. Also it is the place from where all communication will be established, with outside agencies and district authority also.

Facilities Available at ECR:

- Plant general Layout, ear marked with hazard zone, Assembly points and escape routes.
- List of working personnel in various shifts and general shift.
- Mobile telephone Nos., of emergency command structure personnel.

 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil - Faridpur Durgapur, District - Paschim Bardhaman, West Bengal Risk and Disaster Management Plan	Page 17
---	---	-----------

- Emergency command structure.
- Rhythmical siren code for different emergency situation.
- Relevant material safety data sheet.
- Emergency Control Room Register.
- First Aid Box with antidotes.
- Required personal protective equipment's with self-carrying breathing apparatus.

Facilities Available

Fire Hydrant System

Fire hydrant system is proposed with fire pumps to maintain the pressure of 7Kg/cm². In case of power failure, fire pumps are operated through DG set connection. Diesel pump will also be in place to operate hydrant system as per requirement. Fire pumps will be connected with water storage tank to mitigate the water requirement for firefighting.

Fire Extinguishers

Required types of fire extinguishers are provided at different locations of the plant.

Fire Buckets

Fire buckets filled with dry sand are provided in different locations of the plant.

Siren

Company Has Siren/ hooter arrangement, which can be activated manually during fire related emergency.

Communication

For an effective communication inside the plant and public address, communication facilities are available. Telephone directory has been placed in all the departments.

Dispensary

An organized First-aid center with ambulance, stretchers, oxygen cylinder etc. is placed inside the factory. The First-aid centre is manned by one Doctor/pharmacists, and one attendant. SPS has its own ambulance facility for any emergency situations. The first-aid center is manned round the clock. In the case of emergency, affected employees are being referred to nearby ESIC, Sub Divisional Govt. hospital at Bidhannagar, Durgapur or as required, and in serious case to the hospital tied up with the company.

First Aid Box

Company has provided First Aid boxes with required first aid medicines at different locations inside the plant to address minor injuries. First aid boxes are checked by the pharmacists once in a month & medicines are filled/replaced. The first aid boxes are provided in the following locations:

DRI, Rolling Mills, Administrative building, SMS and Security Office.

 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil - Faridpur Durgapur, District - Paschim Bardhaman, West Bengal Risk and Disaster Management Plan	Page 18
---	---	-----------

DISASTER MANAGEMENT PLAN

Introduction:

Disaster may be defined as a sudden occurrence of incidence in such a magnitude as to affect the normal pattern of life inside or in the vicinity of plant which has the potential of causing extensive injury or loss of life or damage to property and tend to cause disruption inside/outside the site.

Hazardous substances are being handled, generated and stored in increasing quantities at various manufacturing facilities in recent years. This has posed a serious risk for the plant, persons and the environment encompassing thereof. The disasters following incidents in some industrial units handling hazardous substances in the last 2 to 3 decades has made it imperative for all concerned to devise measures and implement them immediately and effectively to mitigate their adverse effects, if not, to totally eliminate them. The need to protect human being, the flora and fauna as well as our bio-diversity against these potential dangers has prompted the government for promulgation of various statutory provisions for preparation of hazard mitigation plans based on their risk impacts.

The Factories (Amendment) Act 1987 and manufacture storage and Import of Hazardous Chemical Rules- 1989 has provided regulation making mandatory for all owners of hazardous undertakings to prepare for their Onsite Emergency Plan in a pragmatic way and keep those well re-harassed for rapid action in actual crisis situation.

The goal of DMP is the effective containment of the emergency situation by proper mitigative action at the place of occurrence, cautioning people in adjoining affected localities; prompt rescue and provisions of medical aid to affected persons and communication to civil authorities for rushing in help from outside.

This objective being achieved by defining the functions and responsibilities of all concerned managerial, operational and supporting services department personnel with respect to detection and effective implementation of emergency action plan.

Objectives of Disaster Management Plan (DMP):

The objectives of DMP is to describe and spell out industry's emergency response actions that requires to be initiated to deal with various emergencies that could occur at the facility, with the response organization structure deployed in the shortest possible time. Thus the objective of emergency response plan can be summarized as:

- ✓ Rapid control and containment of the hazardous situation.
- ✓ Minimization of the risk and impact of event / accident.
- ✓ Effective rehabilitation of the affected persons and prevention of damage to property.

 SHAKAMBHARI GROUP	M/s SPS Steels Rolling Mills Limited Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Tehsil –Faridpur Durgapur, District –Paschim Bardhaman, West Bengal Risk and Disaster Management Plan	Page 19
---	---	-----------

Elements of DMP:

In order to effectively achieve the above mentioned objectives, the critical elements of the DMP are:

- Reliable and early detection of an emergency and careful planning.
- The command, co-ordination, and response organization structure along with clearly demarcated line and staff function.
- The availability of resources for handling emergencies.
- Appropriate emergency response actions forecasted with least margin of error.
- Effective notification and communication facilities.
- Proper training of the concerned personnel.
- Regular review and updating of the DMP.

The DMP has been opened up with a foreword duly signed by the plant-in-charge.

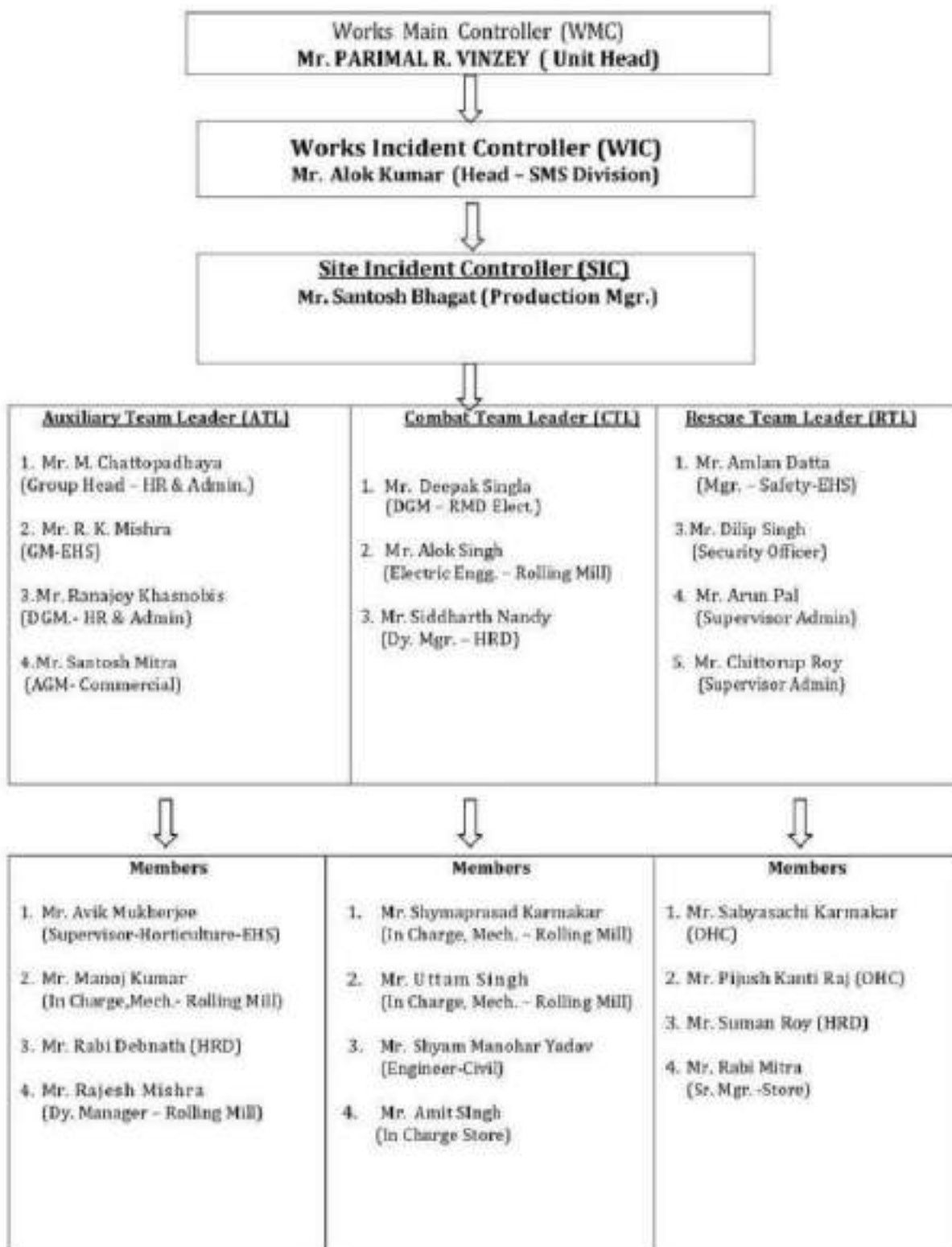
Responsibility of Implementation of DMP:

Responsibility for establishing and maintaining an Emergency Preparedness Plan/DMP belongs to the Plant-in-charge. He is responsible for the control of the plan, and for ensuring that the plan is applicable and implementing procedures are operated during emergency situation and are reviewed and revised annually.

As a member of top management he is responsible for the training of personnel to ensure that adequate emergency response capabilities are maintained in accordance with the plan. He is also responsible for ensuring the regular conduct of drills and other measures, as outlined in the DMP.

Risk and Disaster Management Plan

EMERGENCY COMMAND STRUCTURE



TELEPHONE NUMBERS OF EMERGENCY COMMAND TEAM

SI No.	Name	Position in Team	Mob. Number	FAX No.
1	Mr. Parimal R. Vinzey	Works Main Controller (WMC)	9975213651	4048
2	Mr. Alok Kumar	Works Incident Controller (WIC)	9302614203	4029
3	Mr. Santosh Bhagat	Site Incident Controller (SIC)	9735138249	-
4	Mr. Biswanath Sen		7602099539	
5	Mr. Y.N. Rao		7596072601	
6	Mr. M. Chattopadhyaya	Auxiliary Team Leader (ATL)	8367850085	4014
7	Mr. R. K. Mishra		8695621900	
8	Mr. Ranajoy Khasnobis		7596072612	4015
9	Mr. Santosh Mitra		7001370534	4011
10	Mr. Ananta Singh		8373055366	
11	Mr. Rishi Kumar Sharma	Combat Team Leader (CTL)	7596072620	
12	Mr. Avijit Roy		7585926732	
13	Mr. Alok Singh		7596072621	
14	Mr. Ajay Pundir		8101928756	
15	Mr. Siddhartha Nandy		7596072608	4020
16	Mr. Amlan Datta	Rescue Team Leader (RTL)	7596072643	4034
17	Mr. Dilip Singh		7596072637	4041
18	Mr. Arun Pal		9475981663	
19	Mr. Chittorup Roy		7679089468	

EMERGENCY CONTACT NUMBERS:

SI No.	Name	Mob. Number	FAX No.
1	Main Gate Security Office#2	7696072633	4040
2	Main Gate Security Office#3	7596072637	4019
3	Security In-charge	7596072637	4041
3	Medical Unit (O H C)	7605085458	4035
4	Ambulance	7596072630	
4	Safety officer	7596072643	
5	Essar Oil & Gas (EOGEPL)	8768079777	
6	Fire Service Station (City Centre)	0343-546061	
7	Sub-Divisional Hospital	8900567962	
8	E.S.I. Hospital	8207008088	
9	Police Station (NTPS)	0343-2502242	

ANNEXURE-19

MEDICAL CHECK-UP PHOTOGRAPHS



Reception and General check-up



Blood Test



Audiometry Test



PFT Test



Eye Test



Chest X-Ray



ECG

Health Checkup Register

[illegible][illegible][illegible]

REGISTER							
An account with the following: ☐ 100% ☐ 50% ☐ 25% ☐ 10% ☐ 5% ☐ 2% ☐ 1% ☐ 0%							
1. Date of birth: 2. Date of death: 3. Date of burial: 4. Date of cremation: 5. Date of interment: 6. Date of exhumation: 7. Date of reinterment: 8. Date of removal:							
NAME	AGE	SEX	RELATION	DATE OF BIRTH	DATE OF DEATH	DATE OF BURIAL	DATE OF CREMATION
1	2	3	4	5	6	7	8
John Doe	45	M	Husband	1/1/1945	12/31/1990	1/1/1991	
Jane Doe	42	F	Wife	2/15/1948	11/15/1990	1/1/1991	
Robert Doe	18	M	Son	3/10/1972			
Elizabeth Doe	15	F	Daughter	4/20/1975			
William Doe	12	M	Son	5/1/1978			
Patricia Doe	10	F	Daughter	6/15/1980			
Michael Doe	8	M	Son	7/1/1982			
Christina Doe	6	F	Daughter	8/1/1984			
David Doe	4	M	Son	9/1/1986			
Stephanie Doe	3	F	Daughter	10/1/1988			
Matthew Doe	2	M	Son	11/1/1990			
Olivia Doe	1	F	Daughter	12/1/1992			
James Doe	0	M	Son	1/1/1994			
Isabella Doe	0	F	Daughter	2/1/1996			
Benjamin Doe	0	M	Son	3/1/1998			
Maria Doe	0	F	Daughter	4/1/2000			
Joseph Doe	0	M	Son	5/1/2002			
Charlotte Doe	0	F	Daughter	6/1/2004			
Thomas Doe	0	M	Son	7/1/2006			
Amelia Doe	0	F	Daughter	8/1/2008			
Lucas Doe	0	M	Son	9/1/2010			
Sophia Doe	0	F	Daughter	10/1/2012			
Henry Doe	0	M	Son	11/1/2014			
Evelyn Doe	0	F	Daughter	12/1/2016			
Frank Doe	0	M	Son	1/1/2018			
Grace Doe	0	F	Daughter	2/1/2020			
Charles Doe	0	M	Son	3/1/2022			
Chloe Doe	0	F	Daughter	4/1/2024			
Samuel Doe	0	M	Son	5/1/2026			
Ava Doe	0	F	Daughter	6/1/2028			
Matthew Doe	0	M	Son	7/1/2030			
Mia Doe	0	F	Daughter	8/1/2032			
David Doe	0	M	Son	9/1/2034			
Scarlett Doe	0	F	Daughter	10/1/2036			
John Doe	0	M	Son	11/1/2038			
Leah Doe	0	F	Daughter	12/1/2040			
Robert Doe	0	M	Son	1/1/2042			
Oliver Doe	0	M	Son	2/1/2044			
Isabella Doe	0	F	Daughter	3/1/2046			
William Doe	0	M	Son	4/1/2048			
Charlotte Doe	0	F	Daughter	5/1/2050			
James Doe	0	M	Son	6/1/2052			
Maria Doe	0	F	Daughter	7/1/2054			
Joseph Doe	0	M	Son	8/1/2056			
Elizabeth Doe	0	F	Daughter	9/1/2058			
Michael Doe	0	M	Son	10/1/2060			
Christina Doe	0	F	Daughter	11/1/2062			
David Doe	0	M	Son	12/1/2064			
Stephanie Doe	0	F	Daughter	1/1/2066			
Matthew Doe	0	M	Son	2/1/2068			
Olivia Doe	0	F	Daughter	3/1/2070			
Benjamin Doe	0	M	Son	4/1/2072			
Maria Doe	0	F	Daughter	5/1/2074			
Joseph Doe	0	M	Son	6/1/2076			
Charlotte Doe	0	F	Daughter	7/1/2078			
Thomas Doe	0	M	Son				

HEALTH

12. **ANSWER: C**

1. *Quercus laevis* (Live Oak)

1999

10

[illegible]

REGISTER

REGISTER

© 2000 Blackwell Science Ltd
Journal of Internal Medicine 247: 105–112

[illegible]

DATE	TIME	LOCATION	WIND	TEMP	SEA	REMARKS
1	2	3	4	5	6	7
1944	01.00					
1944	02.00					
1944	03.00					
1944	04.00					
1944	05.00					
1944	06.00					
1944	07.00					
1944	08.00					
1944	09.00					
1944	10.00					
1944	11.00					
1944	12.00					
1944	13.00					
1944	14.00					
1944	15.00					
1944	16.00					
1944	17.00					
1944	18.00					
1944	19.00					
1944	20.00					
1944	21.00					
1944	22.00					
1944	23.00					
1944	24.00					

ANNEXURE-20

SPS STEELS ROLLING MILLS LIMITED

[A unit of SHAKAMBHARI GROUP]

DR. ZAKIR HUSSAIN AVENUE, DURGAPUR - 713206

CSR DETAILS: - (October-2025 to March-2026)

SL. NO.	DESCRIPTION	PHOTO
1	Distribution of some school essentials supplies in Khoyrasole village.	
2	Blood Donation camp and Free Health Check Camp for all	

SPS STEELS ROLLING MILLS LIMITED

[A unit of SHAKAMBHARI GROUP]

DR. ZAKIR HUSSAIN AVENUE, DURGAPUR - 713206

CSR DETAILS: - (October-2025 to March-2026)

			
3	Distribution of Sport kits to local youth.		

SPS STEELS ROLLING MILLS LIMITED

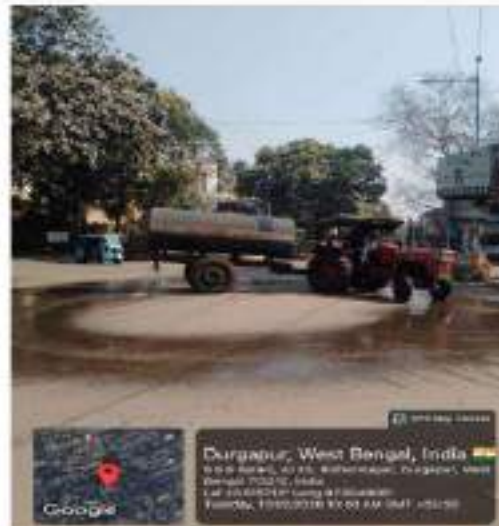
[A unit of SHAKAMBHARI GROUP]

DR. ZAKIR HUSSAIN AVENUE, DURGAPUR - 713206

CSR DETAILS: - (October-2025 to March-2026)

4

Water sprinkling at plants
surrounding areas.



SPS STEELS ROLLING MILLS LIMITED

[A unit of SHAKAMBHARI GROUP]

DR. ZAKIR HUSSAIN AVENUE, DURGAPUR - 713206

CSR DETAILS: - (October-2025 to March-2026)

5	Noro Narayan Seba at Indo American Kali Mandir, Khairasol, Durgapur- 713212.	
6	Donation For Jeevandip (Radhakrishna Sebashram) Ashram. Joydeb Kenduli, Birbhum.	

SPS STEELS ROLLING MILLS LIMITED

[A unit of SHAKAMBHARI GROUP]

DR. ZAKIR HUSSAIN AVENUE, DURGAPUR - 713206

CSR DETAILS: - (October-2025 to March-2026)

7	Weekly Food Distribution at Joydeb Kenduli, Birbhum.	
8	Weekly Food Distribution at Joydeb Kenduli, Birbhum.	

SPS STEELS ROLLING MILLS LIMITED

[A unit of SHAKAMBHARI GROUP]

DR. ZAKIR HUSSAIN AVENUE, DURGAPUR - 713206

CSR DETAILS: - (October-2025 to March-2026)

9	Noro Narayan Seba of Maa Chandi Mandir on 15th January-2026.	  
10	Donation For Sri Sri Maa Chandi Batsorik Puja-2026. Khairasol, Durgapur-713212.	  

ANNEXURE-21



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board



TC-15288

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF AMBIENT AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33A

U.L.R. No. : TC1528826000000151F

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/25-26/609

Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)

Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206,
Paschim Bardhaman,

Sample Description : Ambient Air

Sampling Location : Roof of Administrative Building

Sample Condition : In GMF Filter Paper & Plastic Bottle

Location of Testing : At Laboratory

Sample Ref. ID : AS-040-2026(1)

Report Date : 23.03.2026

Date of Sampling : 12.03.2026 to
13.03.2026

Date of Receiving : 13.03.2026

Analysis Started On : 13.03.2026

Analysis Completed On : 14.03.2026

Time of Sampling : 08:35 am to
08:35 am

Sampling Method : CPCB, Emission Regulation (Part II)

A. METROLOGICAL INFORMATION

Average Temperature (°C) : 31.0

Average Relative Humidity (%) : 82.0

Barometric Pressure (mm of Hg) : 754.0

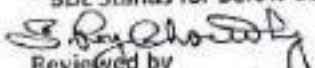
Smell or Odour : No Remarkable Smell

Weather Condition : Clear Sky

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Limit
01.	Concentration of PM ₁₀	µg/m ³	64.38	100.0
02.	Concentration of PM _{2.5}	µg/m ³	32.94	60.0
03.	Concentration of SO ₂	µg/m ³	7.89	80.0
04.	Concentration of NO ₂	µg/m ³	35.26	80.0
05.	Concentration of Pb	µg/m ³	BDL	1.0
06.	Concentration of Benzene	µg/m ³	BDL	5.0
07.	Concentration of NH ₃	µg/m ³	8.24	400.0
08.	Concentration of CO	mg/m ³	0.182	4.0
09.	Concentration of Benzo(a)Pyrene	ng/m ³	BDL	5.0
10.	Concentration of As	ng/m ³	BDL	6.0
11.	Concentration of Ni	ng/m ³	BDL	20.0
12.	Concentration of Ozone as O ₃	µg/m ³	8.3214	100.0

* BDL Stands for Below detectable Limit


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.

3. Retention period of tested sample (Filter Paper) is 6 months from the date of issue test report unless otherwise specified.

Page 1/1

End of the report.....

City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF AMBIENT AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33A

U.L.R. No. : TC1528826000000152F

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/25-26/610

Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)

Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206,
Paschim Bardhaman.

Sample Description : Ambient Air

Sampling Location : Near Security Check Post

Sample Condition : In GME Filter Paper & Plastic Bottle

Location of Testing : At Laboratory

Sample Ref. ID : AS-040-2026(2)

Report Date : 23.03.2026

Date of Sampling : 12.03.2026 to
13.03.2026

Date of Receiving : 13.03.2026

Analysis Started On : 13.03.2026

Analysis Completed On : 14.03.2026

Time of Sampling : 09:00 am to
09:00 am

Sampling Method : CPCB, Emission Regulation (Part II)

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 31.0

Average Relative Humidity (%) : 82.0

Barometric Pressure (mm of Hg) : 754.0

Smell or Odour : No Remarkable Smell

Weather Condition : Clear Sky

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Limit
01.	Concentration of PM ₁₀	$\mu\text{g}/\text{m}^3$	82.14	100.0
02.	Concentration of PM _{2.5}	$\mu\text{g}/\text{m}^3$	43.56	60.0
03.	Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	8.52	80.0
04.	Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	35.98	80.0
05.	Concentration of Pb	$\mu\text{g}/\text{m}^3$	BDL	1.0
06.	Concentration of Benzene	$\mu\text{g}/\text{m}^3$	BDL	5.0
07.	Concentration of NH ₃	$\mu\text{g}/\text{m}^3$	8.62	400.0
08.	Concentration of CO	mg/m^3	0.385	4.0
09.	Concentration of Benzo(a)Pyrene	ng/m^3	BDL	5.0
10.	Concentration of As	ng/m^3	BDL	6.0
11.	Concentration of Ni	ng/m^3	BDL	20.0
12.	Concentration of Ozone as O ₃	$\mu\text{g}/\text{m}^3$	8.5648	100.0

* BDL Stands for Below detectable Limit

Sabyasachi Shyam Roy Chowdhury
Reviewed by

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

Sabyasachi Shyam Roy Chowdhury
(Sabyasachi Shyam Roy Chowdhury)

Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.

3. Retention period of tested sample (Filter Paper) is 6 months from the date of issue test report unless otherwise specified.
End of the report.....

Page 1/1

City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF AMBIENT AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33A

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC152882600000153F

Report No. : GV/AR/25-26/611

Sample Ref. ID : AS-040-2026(3)

Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)

Report Date : 23.03.2026

Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206,
Paschim Bardhaman.

Date of Sampling : 12.03.2026 to
13.03.2026

Sample Description : Ambient Air

Date of Receiving : 13.03.2026

Sampling Location : Rear End of the Plant

Analysis Started On : 13.03.2026

Sample Condition : In GMF Filter Paper & Plastic Bottle

Analysis Completed On : 14.03.2026

Location of Testing : At Laboratory

Time of Sampling : 09:20 am to
09:20 am

Sampling Method : CPCB, Emission Regulation (Part III)

A. METEOROLOGICAL INFORMATION

Average Temperature (°C) : 31.0

Average Relative Humidity (%) : 82.0

Barometric Pressure (mm of Hg) : 754.0

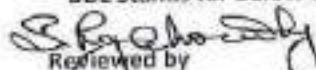
Smell or Odour : No Remarkable Smell

Weather Condition : Clear Sky

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Limit
01.	Concentration of PM ₁₀	µg/m ³	74.62	100.0
02.	Concentration of PM _{2.5}	µg/m ³	38.02	60.0
03.	Concentration of SO ₂	µg/m ³	7.98	80.0
04.	Concentration of NO ₂	µg/m ³	35.36	80.0
05.	Concentration of Pb	µg/m ³	BDL	1.0
06.	Concentration of Benzene	µg/m ³	BDL	5.0
07.	Concentration of NH ₃	µg/m ³	8.26	400.0
08.	Concentration of CO	mg/m ³	0.261	4.0
09.	Concentration of Benzo(a)Pyrene	ng/m ³	BDL	5.0
10.	Concentration of As	ng/m ³	BDL	6.0
11.	Concentration of Ni	ng/m ³	BDL	20.0
12.	Concentration of Ozone as O ₃	µg/m ³	8.1632	100.0

* BDL Stands for Below detectable Limit


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.

2. This certificate may not be reproduced in part or full without written permission of the management.

3. Retention period of tested sample (Filter Paper) is 6 months from the date of issue test report unless otherwise specified.

Page 1/1

End of the report.....

City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MSAV-35, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-15288

TEST REPORT OF AMBIENT AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33A

U.I.R. No. : TC1528826000000154F

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/25-26/612

Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I)

Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206,
Paschim Bardhaman.

Sample Description : Ambient Air

Sampling Location : Khoyrasole Village

Sample Condition : In GMF Filter Paper & Plastic Bottle

Location of Testing : At Laboratory

Sample Ref. ID : AS-040-2026(4)

Report Date : 23.03.2026

Date of Sampling : 12.03.2026 to
13.03.2026

Date of Receiving : 13.03.2026

Analysis Started On : 13.03.2026

Analysis Completed On : 14.03.2026

Time of Sampling : 09:45 am to
09:45 am

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION

Average Temperature (°C) : 31.0

Average Relative Humidity (%) : 82.0

Barometric Pressure (mm of Hg) : 754.0

Smell or Odour : No Remarkable Smell

Weather Condition : Clear Sky

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Limit
01.	Concentration of PM ₁₀	µg/m ³	66.78	100.0
02.	Concentration of PM _{2.5}	µg/m ³	33.86	60.0
03.	Concentration of SO ₂	µg/m ³	7.52	80.0
04.	Concentration of NO ₂	µg/m ³	35.08	80.0
05.	Concentration of Pb	µg/m ³	BDL	1.0
06.	Concentration of Benzene	µg/m ³	BDL	5.0
07.	Concentration of NH ₃	µg/m ³	7.96	400.0
08.	Concentration of CO	mg/m ³	0.142	4.0
09.	Concentration of Benzo(a)Pyrene	ng/m ³	BDL	5.0
10.	Concentration of As	ng/m ³	BDL	6.0
11.	Concentration of Ni	ng/m ³	BDL	20.0
12.	Concentration of Ozone as O ₃	µg/m ³	8.0142	100.0

* BDL Stands for Below detectable Limit

S. Shyam Roy Chowdhury
Reviewed by

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. Shyam Roy Chowdhury
(Sabyasachi Shyam Roy Chowdhury)

Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.

2. This certificate may not be reproduced in part or full without written permission of the management.

3. Retention period of tested sample (Filter Paper) is 6 months from the date of issue test report unless otherwise specified.

Page 1/1

End of the report.....

City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001

ANNEXURE-22

Re: Submission of Environmental Statement (Form-V) for FY: 2024-25 of M/s SPS Steels Rolling Mills Limited, Durgapur, Dist.-Paschim Bardhaman (WB)

From R K Mishra <rk.mishra@shakambhargroup.in>

Date Thu 10/2/2025 5:55 PM

To ARUP KUMAR DEY <ee2.wbpcb-wb@bangla.gov.in>

Cc Sub Office Kolkata <iro.kolkata-mefcc@gov.in>; Sanjeev Kumar Sachan <sanjeev.sachan@shakambhargroup.in>

 1 attachment (3 MB)

SPS_Dgp_Env. Statement_FY-2024-25.pdf

Dear Sir/Ma'am,

In reference to subject and continuation of trailing mail, we are re-sending attached herewith Environmental Statement (Form-V) for the financial year (2024-25) including necessary annexures that were skipped to attach.

Therefore, it is requested to kindly ignore the previous mail's attachment and consider the File attached with this mail.

Thanking you and with regards,

Yours faithfully,

for SPS Steels Rolling Mills Limited

R. K. Mishra
GM-EHS

From: R K Mishra

Sent: Thursday, October 2, 2025 5:38 PM

To: ARUP KUMAR DEY <ee2.wbpcb-wb@bangla.gov.in>

Cc: Sub Office Kolkata <iro.kolkata-mefcc@gov.in>; Sanjeev Kumar Sachan <sanjeev.sachan@shakambhargroup.in>

Subject: Submission of Environmental Statement (Form-V) for FY: 2024-25 of M/s SPS Steels Rolling Mills Limited, Durgapur, Dist.-Paschim Bardhaman (WB)

Dear Sir,

With reference to the subject, we are submitting attached herewith the Environmental Statement (Form-V) for the financial year (2024-25) ending with 31st March, 2025 of M/s SPS Steels Rolling Mills Limited, Dr. Zakir Hussain Avenue, G.T. Road (Indo American More) Durgapur, Dist.-Paschim Bardhaman-713206 (WB) for your kind consideration.

Kindly acknowledge our submission.

With regards,

Yours faithfully,

for SPS Steels Rolling Mills Limited

R. K. Mishra
GM-EHS