

Ref: -SPS-1 /SMC/MoEFCC/OCT-2024 TO MAR-2025

Date: 09.06.2025

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-2024 to Mar-2025) 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 Bardhman (WB)-713206.

Respected Sir/Ma'am,

With reference to above, we are submitting herewith the six-monthly compliance report (Oct-2024 to Mar-2025) 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 Bardhman (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

COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE

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

COMPLIANCE PERIOD:

OCTOBER-2024 TO MARCH-2025

PROJECT LOCATION:

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



SIX MONTHLY COMPLIANCE REPORT

Name of the Project	:	M/S SPS STEELS MILL ROLLING MILLS LIMITED
Environmental Clearance Letter Ref.	:	F.NO.: J-11011/156/2020-IA.II (I) dated 01 st September 2022
Period of Compliance Report	:	October - 2024 to March - 2025

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.	<p>It is being/shall be complied.</p> <p>Environment protection measures like dust extraction system, bag filters, installation of fixed type water sprinklers, ESPs are installed and effectively operated. Water sprinkling on roads by mobile water tanker inside and outside of the plant premises being carried out during dry weather condition on regular basis. No industrial waste water being allowed to discharged outside the factory premises. Greenbelt development and its maintenance, gap filling being done on regular basis. Risk mitigation measured has been adapted under close monitoring of safety department. Necessary PPEs being provided to working personnel.</p>
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.	<p>Noted. It has been implemented and shall be complied.</p> <p>The company has taken into considerations to adopt more carbon efficient technologies available in the market at planning stage for integrations of new equipment.</p> <p>For the sequestration and prevention of carbon emission direct transfer process of hot billets from SMS to rolling mill has adapted. It has drastically restricted the carbon emission due to reheating of billets for the production of rolled product from rolling mill. Out of 03 nos. Reheating furnaces we have dismantled 02 nos. of reheating furnace and only 01 RHF is retained. Energy efficient transformers are installed at SMS division.</p> <p>Carbon sequestration resources like dense plantation and its proper maintenance being/shall be done as the plants are good receptor Of CO₂ from atmosphere.</p>



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.	<p>It is being/shall be complied.</p> <p>Regular monitoring of stack emission through NABL accredited third party laboratory being conducted periodically to evaluate the emission level of pollution control systems i.e. ESPs and bag filters. Emission status of pollution control system also being monitored by monitoring team of West Bengal Pollution Control Board (WBPCB) time to time.</p> <p>Our technical team keep on watch over the performance of pollution control equipment on regular basis and immediate corrective action being taken on abnormalities observed if any. Preventive maintenance of pollution control system also being done with scheduled shutdown of plant operations, Latest Stack monitoring reports are enclosed as Annexure- 1</p>
iv.	<p>Following additional arrangements to control fugitive dust shall be provided:</p> <p>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.</p> <p>b. Proper covered vehicle shall be used while transport of materials.</p> <p>c. Wheel Washing mechanism shall be provided in entry and exit gates.</p>	<p>It is being complied.</p> <p>a. For control of fugitive dust emission covered conveyors are provided. Water sprinkler/dry fog system also installed at transfer points and bulk raw material storage, ash handling, kiln axis and other dust prone areas. Coal are kept under the storage shed. Some photographs are attached as Annexure-2</p> <p>b. Vehicles used for transportation of raw material are ensured to be covered.</p> <p>c. It shall be complied. To minimize the fugitive emission caused by the vehicular movements, company has planned to concretization/paver blocking of all internal roads of the plant and this work is under active progress.</p> <p>Some photographs of RCC road and paver blocked area are attached as Annexure-3.</p>
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	<p>Both of 02 RH Furnaces have been dismantled.</p> <p>One RHF is retained for emergency use. Retained RH Furnace being/shall be run by CBM/LDO, no coal being/shall be used.</p>
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.	<p>We have achieved 40% greenbelt of total project area with plant density of approx. 2506 trees/ha. Total 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/shall be monitored to ensure that dry and damaged plants are replaced with new plantation. For the development of greenbelt indigenous species are used i.e.</p>



		<p>Radhachura, Neem, Arjun, Bat. Peepal, Bakul, Conocarpus, Kadam. Rain tree, Shishu, Sonajhuri, Siris. Ficus, Krishnachura Palm trees etc. inside and outside the plant periphery. Some photographs are attached as Annexure-4.</p> <p>Execution of CER has been started and shall be done as per directions.</p>
vii.	Particulate matter emission from stacks shall be less than 30 mg/Nm ³ .	<p>Air pollution control devices viz. ESPs and bag filters have already been installed and operated efficiently. Capacity of Pollution control devices have been/ shall be enhanced to control emission level within 30 mg/Nm³. New pollution control devices under expansion project has already been installed considering emission limit of 30 mg/Nm³. Stack monitoring reports are enclosed as Annexure-1</p>
viii.	The total water requirement of 1385 KLD shall be met from Durgapur Projects Ltd. (DPL). No ground water abstraction is permitted.	<p>Noted. It shall be complied.</p> <p>Water requirement being/will be met from Durgapur Projects Ltd. (DPL). No ground water being/will be abstracted. Copy of the agreement is attached as Annexure-5.</p>
ix.	The company shall also undertake rain water harvesting measures as per the plan submitted and reduce water dependence from the outside source.	<p>Rain water harvesting pond already been developed to ensure maximum rain water collection and being used to reduce water dependence from the outside source. Photos attached as Annexure – 6.</p> <p>All possible attempts shall be made to ensure optimal rain water harvesting & use of such water to reduce requirements from outside.</p>
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.	<p>Recycle & reuse practice has been adapted to maintain the Zero Liquid Discharge. No industrial waste water is allowed to discharge outside the factory premises.</p> <p>Drainage system of the company is under renovation so as to maintain the natural flow parameters and don't cause the soil erosion.</p>
xi.	Air cooled condensers shall be used in the Power plant.	<p>Air cooled condensers and closed-circuit cooling system will be provided with Power Plant to reduce water consumption.</p>
xii.	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	<p>Electronic waste generated being disposed of through authorized vendor. Form-6 is attached as Annexure-7.</p>
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	<p>Total-9400 nos. trees have been planted and covering approx. 3.75 ha. by gap filling and new plantations.</p>



	<p>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.</p>	<p>We have achieved 40% greenbelt of total project area (9.38 ha) with plant density of approx. 2506 trees/ha. Survival rate of greenbelt developed being/shall be 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, Bat. 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.</p> <p>Additional plantation in the East Direction from plant site to minimize the effect on Durgapur Protected Forest shall be ensured. 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. 1800 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.</p>
xiv.	<p>Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.</p>	<p>Greening, Paving and RCC surface making inside the plant area is widely considered to control the soil erosion, however plant area gradient is even and flat mostly surrounded by civil structure and there is least scope of soil erosion.</p>
xv.	<p>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 within 2 mg/m³, respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.</p>	<p>It is being monitored. Coal is being stored under coal storage shed. Presently coal is being used as fuel for sponge iron production in DRI Kiln. Adequate water sprinkling being done to suppress the fugitive dust emission. Fugitive emission being monitored time to time. Latest monitoring report is enclosed as Annexure-9</p>
xvi.	<p>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.</p>	<p>Recycle and reuse practice has been adapted for industrial waste water. No industrial effluent being discharged outside the factory premises. For domestic sewage effluent treatment septic tank followed by soak pit facilities are provided. 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 analysis report is enclosed as Annexure-10</p>



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.	24x7 Online Continuous Emission Monitoring System (OCEMS) have been installed with all major stacks and connected to CPCB portal to monitor the air emissions. Signal are received in plant control room for central control of APCDs installed in the plant.
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.	Development of RCC/Paved roads to comply with traffic load including connecting roads and internal roads are mostly completed and remaining area is under progress.
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.	Most of the internal roads of the plant has already been paved or concreted and being maintained in good conditions. Concretization of remaining internal roads where heavy vehicle movements are envisaged is under active progress. Some photographs of work progress of RCC road making and paver blocked area are attached as 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 of stockyard shall be ensured with garland drain as per direction so as to trap the run off materials. However raw material like coal, iron pellet and sponge iron are kept under the shed and those kept outside under open sky being covered under tarpaulin. Water sprinkling system is provided for dust suppression.
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. Compliance made during public hearing/public consultation has been started and shall be complied as per directions and commitments.
xxii.	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize	Use of single use plastic is completely banned inside the 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. Further campaigning against SUP shall be conducted for more effective compliance of guidelines and



	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.	Notification dated 12/08/2021 Of the Hon'ble Ministry.
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.	Proper Air pollution control devices (APCDs) like ESPs, Bag Houses, Wet Scrubbers are provided to maintain clean air environment. Adequate no. of water sprinklers are provided in the project area and movable water tanker is also deployed for suppression of fugitive dust emission due to vehicular movement on roads inside the plant and surroundings of the plant area. Water sprinkling also being done through mobile water tanker for dust suppression on roads due to vehicular movement some photographs are attached 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 getting the Environmental Clearance SPS has obtained the Consent to Establish (CTE) from West Bengal Pollution Control Board (WBPCB) and there after Consent to Operate (CTO) for proposed 5x20 Ton Induction Furnace has been obtained from WBPCB. 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	24x7 Online Continuous Emission Monitoring System (OCEMS) with all major stacks have been installed and connected to CPCB portal to monitor the air emissions. Stack emission status also being monitored periodically through NABL accredited laboratory to evaluated emission level. WBPCB team also conduct monitoring time to time. Latest stack monitoring report is attached as Annexure- 1.



	(Protection) Act, 1986 or NABL accredited laboratories.	
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Fugitive emission is being done through NABL accredited laboratories Latest fugitive air monitoring report is attached as 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 devices viz. ESPs and bag filters along with dust extraction system along with water sprinkling system for effective dust suppression have been installed and efficiently operated to control emission level well within the norms. Third party monitoring by NABL accredited laboratory being conducted periodically to evaluate the emission levels. Last Stack monitoring report & fugitive air emission report is enclosed as 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. Skilled manpower looks after and regularly monitor the 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.	To ensure optimal use of raw material & minimal solid waste generation, recycle & reuse practice already been adopted. However, in DRI unit Iron Pellet is preferred as raw material and iron fines generated/collected from pollution control devices being provided to pellet making plant and coal fines being provided to power generating units. There is no briquetting process is proposed to be installed according to EC obtained from MoEF&CC.
vi.	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	It is being complied. Properly covered vehicles are being/will be used to prevent spillage and fugitive dust generation during transportation.
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. and shall also be complied with upcoming project facilities.
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	Recycle and reuse practice has been adapted for industrial waste water. Effluent as cooling water from rolling mill being taken to scale pit for removal of mill scale and then taken to pressure filtration treatment



	(Protection) Act, 1986 or NABL accredited laboratories.	
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Fugitive emission is being done through NABL accredited laboratories Latest fugitive air monitoring report is attached as 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 devices viz. ESPs and bag filters along with dust extraction system along with water sprinkling system for effective dust suppression have been installed and efficiently operated to control emission level well within the norms. Third party monitoring by NABL accredited laboratory being conducted periodically to evaluate the emission levels. Last Stack monitoring report & fugitive air emission report is enclosed as 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. Skilled manpower looks after and regularly monitor the 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.	To ensure optimal use of raw material & minimal solid waste generation, recycle & reuse practice already been adopted. However, in DRI unit Iron Pellet is preferred as raw material and iron fines generated/collected from pollution control devices being provided to pellet making plant and coal fines being provided to power generating units. There is no briquetting process is proposed to be installed according to EC obtained from MoEF&CC.
vi.	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	It is being complied. Properly covered vehicles are being/will be used to prevent spillage and fugitive dust generation during transportation.
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 compiled. and shall also be complied with upcoming project facilities.
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	Recycle and reuse practice has been adapted for industrial waste water. Effluent as cooling water from rolling mill being taken to scale pit for removal of mill scale and then taken to pressure filtration treatment




	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.	and recycled back to cooling system of rolling mill. Softener back wash colling tower blowdown water being taken to homogenization tank for maintaining the pH and reused for slag colling purpose and dust suppression. For domestic sewage effluent treatment septic tank followed by soak pit facilities are provided.
ii.	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Half yearly monitoring of ground water being done. Latest ground water monitoring report is enclosed as Annexure-14
iii.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Presently for domestic sewage effluent treatment septic tank followed by soak pit facilities are provided. 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.	It is complied. Effluent generated from rolling mills due to colling process being taken to scale pit for removal of mill scale and then taken to pressure filtration treatment and recycled back to cooling system of rolling mill No effluent being discharged outside the factory premises.
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.	Being complied. Raw martial like coal and pellet and sponge iron being kept under the shed iron stock piles are being covered under the tarpaulin.
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	It is being complied. Noise quality monitoring being done on regular basis as directives of Noise Pollution (Regulation and Control) Rules, 2000.

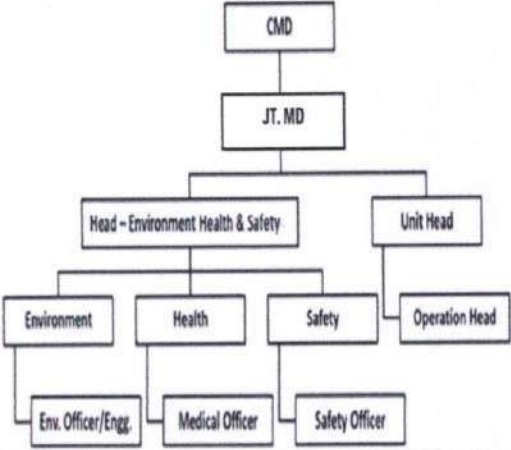


	submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Latest ambient & work zone noise monitoring report enclosed as Annexure 15A & Annexure 15B
V. Energy Conservation measures		
i.	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.	It is being/shall be complied. Offices inside the has been equipped with LED lights. To minimize the electric energy consumption solar energy provision has been implemented and effectively under operation Annexure-16 . Energy efficient transformers are installed at SMS division.
VI. Waste management		
i.	Used refractories shall be recycled.	Noted. It is being complied.
ii.	Kitchen waste shall be composted or converted to biogas for further use.	Organic waste generated from the canteen is being & shall be composted and used for green belt development.
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.	Carbon Footprint & Carbon sequestration report of the project is already being prepared and submitted to MOEF&CC. Continuous efforts being/shall be done to reduce the Carbon Footprint
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. Decarbonization program is under implementation. Under energy transition pathway from fossil fuels to Renewable energy we have installed solar panel and it is effectively under operation. For the sequestration and prevention of fossil fuel burning and carbon emission, direct transfer process of hot billets from SMS to rolling mill has adapted. It has drastically restricted the carbon emission due to reheating of billets for the production of rolled product from rolling mill. Out of 03 nos. Reheating furnaces we dismantled 02 nos. of reheating furnace and only 01 RHF is retained. Energy efficient transformers are 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 & Disaster Management Plan of the company is attached as Annexure-17 .
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.	Personal Protection Equipment (PPE) like safety shoes, hand gloves, face shield, apron etc. being provided to the workmen deployed in hot work zone for minimal hot exposure. Heat Stress analysis shall also be carried out.



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- 18 .
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.	Company has undertaken various CER activities for the benefit of local community i.e. maintenance of school building, study material distribution to school students, food items to underprivileged people, sport organization for children/youths, blood donation camps, social forestry and avenue plantation etc. It shall be effectively implemented to comply the directions of socio-economic development for the benefit of local community. Some photographs are attached as Annexure-19 .
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.	<p>It is complied.</p> <p>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:</p>  <pre> graph TD A[Board of Directors] --> B[CMD] B --> C[JT. MD] C --> D[Head - Environment Health & Safety] C --> E[Unit Head] D --> F[Environment] D --> G[Health] D --> H[Safety] E --> I[Operation Head] F --> J[Env. Officer/Engg.] G --> K[Medical Officer] H --> L[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.	<p>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.</p> <p>Hierarchical system/ Administrative order of the environmental cell is follows:</p>  <pre> graph TD CMD[CMD] --> JT_MD[JT. MD] JT_MD --> H_EHS[Head - Environment Health & Safety] JT_MD --> Unit_Head[Unit Head] H_EHS --> Environment[Environment] H_EHS --> Health[Health] H_EHS --> Safety[Safety] Environment --> Env_Officer[Env. Officer/Engg.] Health --> Medical_Officer[Medical Officer] Safety --> Safety_Officer[Safety Officer] Unit_Head --> Operation_Head[Operation Head] </pre>
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.	<p>It is Complied.</p> <p>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.</p> <p>Copy of the environmental clearance (EC) is uploaded in company's website (https://www.spsgroup.co.in/)</p>
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.	<p>It is being complied.</p> <p>It is being uploaded in company's website (https://www.spsgroup.co.in/) on regular basis.</p>



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.	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. Ambient Air & Stack Monitoring reports are enclosed as Annexure- 20 & Annexure- 1
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.	Noted. It shall be complied. Six monthly compliance report is being regularly submitted sub office Kolkata of MoEFCC.
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.	Being complied. It is being complied on regular basis. The environment statement for FY 2023-24 has been submitted and FY 2024-2025 will be Submitted to WBPCB with copy to MoEF&CC Sub office Kolkata. Report being uploaded on the company website as per direction.
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 1 st Consent to Operate (CTO) from WBPCB for production operation was obtained on 03.03.2023
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, it 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. It 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 modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
xi.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Noted. It shall be complied.



ANNEXURE-1



GREEN VISION

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TC-15288

Urvashi Malhar, Phase II, MEAV-25, 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]

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC152882500000048F	
Report No.	: GV/AR/24-25/578	Sample Ref. ID	: AS-014-2025(5)
Name of Customer	: M/s. SPS Steels Rolling Mills Ltd.(Unit-I)	Report Date	: 17.03.2025
Address of Customer	: Dr. Zakir Hussain Avenue, Durgapur,	Date of Sampling	: 04.03.2025
	Pin : 713206, Paschim Bardhaman.	Sample Received On	: 04.03.2025
Sample Description	: Stack Air	Analysis Started On	: 05.03.2025
Sampling Location	: 100 TPD Rotary Kiln	Analysis Completed On	: 05.03.2025
Sample Condition	: In GMF Thimble & Plastic Bottles	Time of Sampling	: 10:20 am
Sampling Method	: CPCB, Emission Regulation (Part III)		
Testing Location	: At Laboratory		

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) : I.O. : 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 ($^{\circ}\text{C}$)	121	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	751.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	9.98	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow ($\text{Nm}^3/\text{hr.}$)	20246.54	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/Nm^3)	24.67	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 12% CO_2	29.02	Sec. 11 (Vol. 11.07) : 2017
07. Concentration of SO_2 (mg/Nm^3)	184.82	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of NO_2 (mg/Nm^3)	94.56	IS:11255 (Part 3), 2008
09. Concentration of O_2 (% V/V)	10.4	IS:13270:1992, Reaffirmed 2014
10. Concentration of CO_2 (% 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

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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



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TC-15288

TEST REPORT OF STACK GAS ANALYSIS

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

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC152882500000049F	
Report No.	: GV/AR/24-25/579	Sample Ref. ID	: AS-014-2025(6)
Name of Customer	: M/s. SPS Steels Rolling Mills Ltd.(Unit-I)	Report Date	: 17.03.2025
Address of Customer	: Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.	Date of Sampling	: 04.03.2025
		Sample Received On	: 04.03.2025
Sample Description	: Stack Air	Analysis Started On	: 05.03.2025
Sampling Location	: 2 X 40 TPD Rotary Kiln	Analysis Completed On	: 05.03.2025
Sample Condition	: In GMF Thimble & Plastic Bottles	Time of Sampling	: 12:05 pm
Sampling Method	: CPCB, Emission Regulation (Part III)		
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) : I.O. : 2.4 MT/Hr./Kiln	

B. FUEL CHARACTERISTIC REPORT

B. FUEL CHARACTERISTICS		
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 ($^{\circ}\text{C}$)	112	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)	8.13	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow ($\text{Nm}^3/\text{hr.}$)	16894.72	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/Nm^3)	19.96	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Particulate Matter normalized at 12% CO_2	23.95	Sec. 11 (Vol. 11.07) : 2017
07. Concentration of SO_2 (mg/Nm^3)	158.74	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of NO_2 (mg/Nm^3)	82.28	IS:11255 (Part 3), 2008
09. Concentration of O_2 (% V/V)	10.8	IS:13270:1992, Reaffirmed 2014
10. Concentration of CO (% V/V)	10.0	IS:13270:1992, Reaffirmed 2014
11. Concentration of CO_2 (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014
Pollution Control Device	: ESP	
Permanent Ladder and Platform	: Yes	

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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TC-15288

TEST REPORT OF STACK GAS ANALYSIS

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

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC152882500000050F	
Report No.	: GV/AR/24-25/580	Sample Ref. ID	: AS-014-2025(7)
Name of Customer	: M/s. SPS Steels Rolling Mills Ltd.(Unit-I)	Report Date	: 17.03.2025
Address of Customer	: Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.	Date of Sampling	: 04.03.2025
Sample Description	: Stack Air	Sample Received On	: 04.03.2025
Sampling Location	: Product House (DRI Kiln)	Analysis Started On	: 05.03.2025
Sample Condition	: In GMF Thimble	Analysis Completed On	: 05.03.2025
Sampling Method	: CPCB, Emission Regulation (Part III)	Time of Sampling	: 01:50 pm
Testing Location	: At Laboratory		

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	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)	6.57	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm ³ /hr.)	9984.62	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/ Nm ³)	24.94	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 ₂ (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	

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

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TC-15288

TEST REPORT OF STACK GAS ANALYSIS

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

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC152882500000051F	
Report No.	: GV/AR/24-25/581	Sample Ref. ID	: AS-014-2025(8)
Name of Customer	: M/s. SPS Steels Rolling Mills Ltd.(Unit-I)	Report Date	: 17.03.2025
Address of Customer	: Dr. Zakir Hussain Avenue, Durgapur,	Date of Sampling	: 04.03.2025
	Pin : 713206, Paschim Bardhaman.	Sample Received On	: 04.03.2025
Sample Description	: Stack Air	Analysis Started On	: 05.03.2025
Sampling Location	: Cooler Discharge	Analysis Completed On	: 05.03.2025
Sample Condition	: In GMF Thimble	Time of Sampling	: 03:35 pm
Sampling Method	: CPCB, Emission Regulation (Part III)		
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 GASEUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (°C)	45	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)	9.91	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm ³ /hr.)	10114.64	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/ Nm ³)	29.24	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 ₂ (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

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

S. P. Chowdhury
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
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TC-15288

TEST REPORT OF STACK GAS ANALYSIS

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

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC152882500000061F	
Report No.	: GV/AR/24-25/582	Sample Ref. ID	: AS-014-2025(9)
Name of Customer	: M/s. SPS Steels Rolling Mills Ltd.(Unit-I)	Report Date	: 17.03.2025
Address of Customer	: Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.	Date of Sampling	: 05.03.2025
Sample Description	: Stack Air	Sample Received On	: 05.03.2025
Sampling Location	: Induction Furnace	Analysis Started On	: 06.03.2025
Sample Condition	: In GMF Thimble	Analysis Completed On	: 06.03.2025
Sampling Method	: CPCB, Emission Regulation (Part III)	Time of Sampling	: 09:35 am
Testing Location	: At Laboratory		

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		
09. Steam generation capacity:	(rated) : ---	(running) :	---
10. Load of source:	(rated) : 3 X 20 MT/Heat	(running) :	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 GASEUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (°C)	76	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)	9.87	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm ³ /hr.)	27624.87	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/ Nm ³)	28.45	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 ₂ (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 ₂ (% 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

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.



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MEAV-25, 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/LAB/FM/33A]

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC152882500000062F

Report No.	: GV/AR/24-25/583	Sample Ref. ID	: AS-014-2025(10)
Name of Customer	: M/s. SPS Steels Rolling Mills Ltd.(Unit-I)	Report Date	: 17.03.2025
Address of Customer	: Dr. Zakir Hussain Avenue, Durgapur,	Date of Sampling	: 05.03.2025
	Pin : 713206, Paschim Bardhaman.	Sample Received On	: 05.03.2025
Sample Description	: Stack Air	Analysis Started On	: 06.03.2025
Sampling Location	: Induction Furnace	Analysis Completed On	: 06.03.2025
Sample Condition	: In GMF Thimble	Time of Sampling	: 11:15 am
Sampling Method	: CPCB, Emission Regulation (Part III)		
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 ($^{\circ}$ 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)	8.04	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow ($\text{Nm}^3/\text{hr.}$)	20989.42	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/Nm^3)	23.74	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_2 (mg/Nm^3)	---	IS:11255 (Part 3), 2008
09. Concentration of O_2 (% V/V)	18.6	IS:13270:1992, Reaffirmed 2014
10. Concentration of CO_2 (% 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

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

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2. All the information under column A & B are supplied by the respective industry.
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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



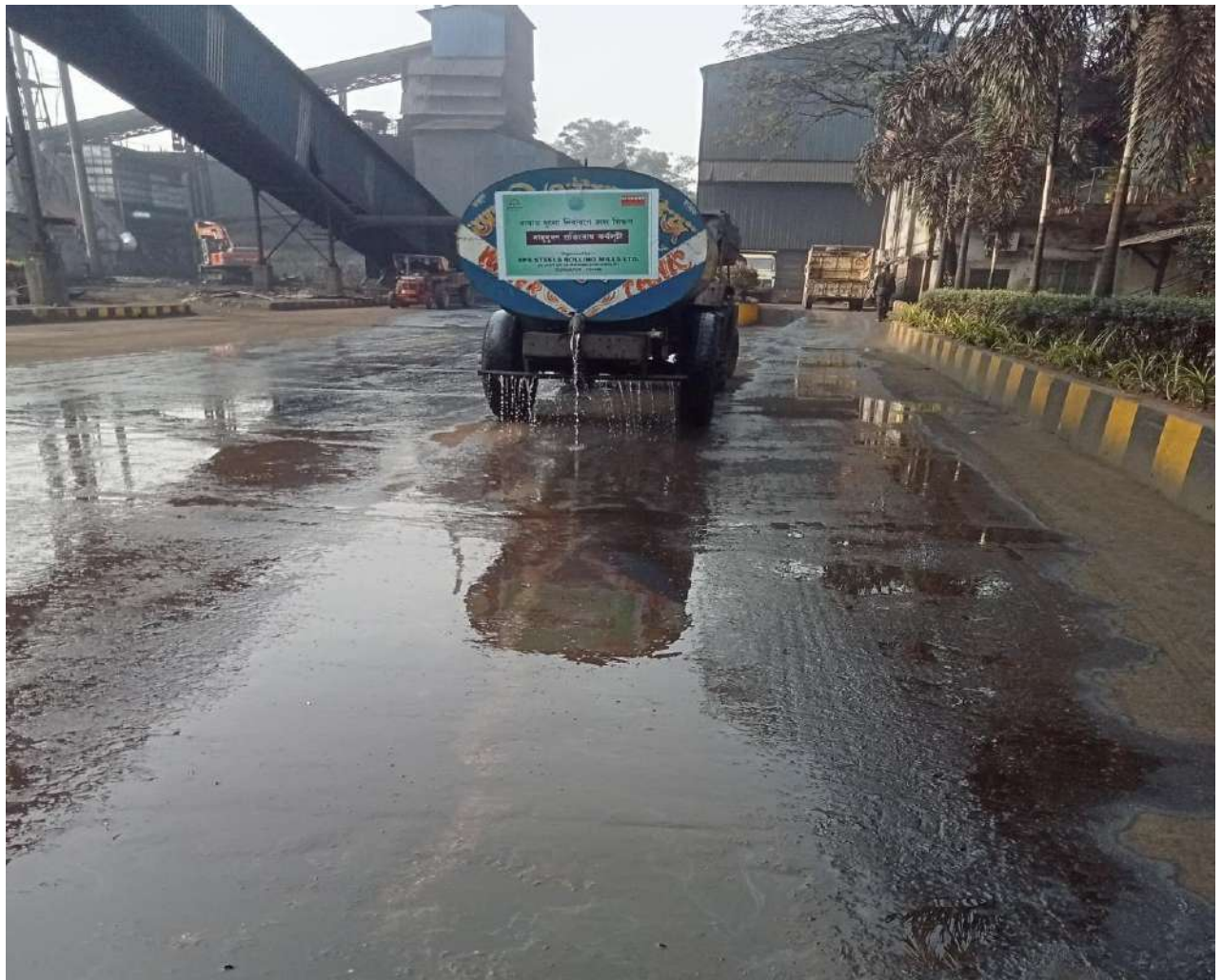
Water Sprinkler Installed for Fugitive Dust Control



ANNEXURE-3

RCC Road

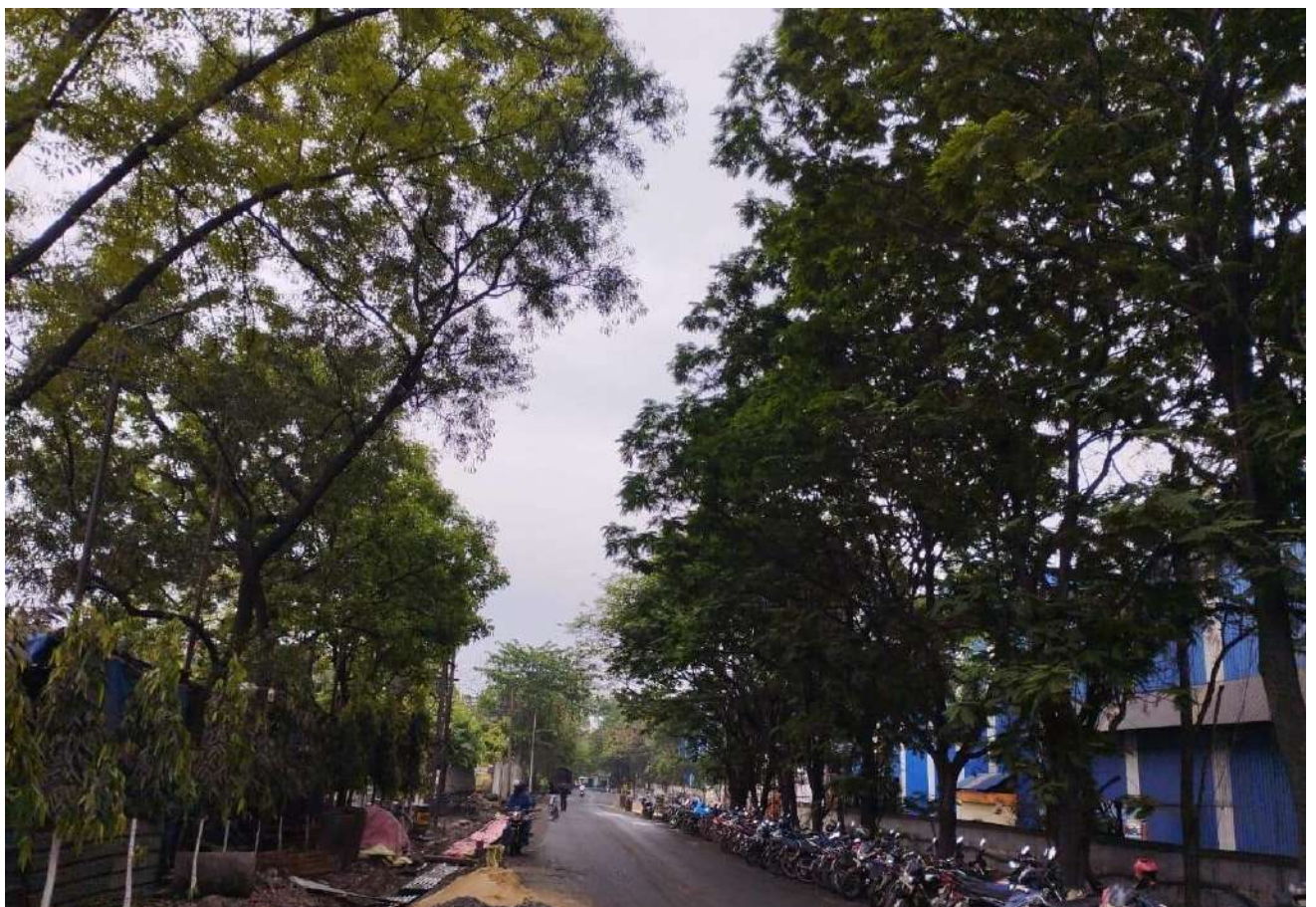




ANNEXURE-4

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. Dh 2 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. 88-6

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,

For SPS Steels Rolling Mills Ltd.

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~~ ^{30 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 ~~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 hereinto 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, 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 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 / 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 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 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 calender 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 *S. SPS 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.

81-23305555

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 (consumption rate)

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

Residential
useFactory / Hotel / Nonresi-
dential area / Factory
cum-residential/Resi-
dential cum/Commer-
cial/industrial use

a) 1/2" dia, ferrule

Rs.

Rs.

b) 3/4" dia, ferrule

c) 1" dia, ferrule x 3 nos (Metered - Through a common header)

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)

A. Mukherjee
A. MUKHERJEE
Dy. General Manager
Civil / WW & TS

Witness :

[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.

[Signature]
Director.

Witness :

SPS Steels Rolling Mills Ltd

[Signature]
Authorized Signatory

9933068248

180. WW/147-1/2K/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 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-I (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 Dr. Zakir Hussain 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 8850.00 (Rupees Eight thousand eight hundred fifty only equivalent to the approximate charges for one 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 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 Suppliers' schedule of rates in force from time to time and as mentioned in the schedule hereunder written

ELEGANT COMMERCE LIMITED

18/8/2000
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 hereinto 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/ 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.

ELEGANT CONSUMER 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 be subject to the provision for earlier determination as herein before mentioned 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 (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, 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 :-

KL/

a) Domestic Water ☐ ...

☒ b) Industrial Process Water ...

As per 3" dia water meter.

ELEGANT COMMERCE LIMITED

Authorized Signatory

- 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
- 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) 1/2" dia. ferrule | Rs. | Rs. |
| b) 3/4" dia. ferrule | | |
| c) 1" dia. ferrule | | |
| d) 2" dia. | | |
| i) with 2 nos. 1" ferrule | | |
| ii) with one 2" dia. Tee | | |
- Rs per 3" dia water meter.*

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 herunto the Day and Year first written.

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

Witness

[Signature]
Executive Engineer (Civil)
Water Works

The Durgapur Projects Limited

Signed, Sealed and Delivered for and on behalf of the

ELEGANT COMMERCE LIMITED

M/s.

[Signature]
11/8/2000
Authorised Signatory

Witness



ANNEXURE-6

Rainwater 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: Vill & PO. Jarura, 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 Zakir Hussain Avenue, Durgapur-713206.
2	Sender's authorisation No, if applicable.	: NA
3	Manifest Document No.	: 3444
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.	: WB23 D 8674
8	Receiver's Name & Address (including phone No.)	: J S Pigments Pvt Ltd. Vill & PO. Jarura, P.S. Polba, Delhi Road, Hooghly-712138, WB + 91 33 2320 2656 I
9	Receiver's authorization No, if applicable.	: WBPCB: 23/2S(HW)/(EN)-3011/2014. Dated 11.04.2023
10	Description of E-waste (Item, Weight/Numbers)	: 930 Kgs
11	Name and stamp of Sender* (Manufacturer or Producer or Bulk Consumer or Collector or Refurbisher or Dismantler): Date : 29.03.2025	 Zakir Hussain & Signature
12	Transporter Acknowledgement of receipt of E-Wastes. Date : 29.03.2025	 Stamp & Signature
13	Receiver* (Collection Centre or Refurbisher or Dismantler or Recycler) certification of receipt of E-waste. Date : 29.03.2025	 Stamp & Signature

ANNEXURE-8

EASTERN SIDE PLANTATION FROM THE PLANT





ANNEXURE-9

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. 1 & 2) (SMS)	Silica, SiO ₂ (Quartz, In terms of respirable dust)	27-11-2024	3	Respirable Dust in mg/m ³	0.764	10.0 mg/m ³ (% Respirable Quartz + 2)	See Annex-1	-	6	Below PEL		P.SANYAL
					0.629							
					0.548							
				% Respirable Quartz	1.14							
					1.03							
					1.08							

* 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. 3 & 4) (SMS)	Silica, SiO ₂ (Quartz, In terms of respirable dust)	27-11-2024	3	Respirable Dust in mg/m ³	0.812	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.8-713206, 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	10.0 mg/m ³ (% Respirable Quartz + 2)	See Annex-1		3	Below PEL		S.MONDAL
					0.691							
					0.576							
				% Respirable Quartz	1.06							
					1.04							
					1.01							

* PEL - Permissible Exposure Limit



(J. DEY)
Authorized Signatory

Table - 31

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					
CCM-1 Area (SMS)	Silica, SiO ₂ (Quartz, In terms of respirable dust)	27-11-2024	3	Respirable Dust in mg/m ³	0.622	0.575	$10.0 \frac{\text{mg/m}^3}{(\% \text{ Respirable Quartz} + 2)}$	See Annex-1	-	4	Below PEL		P.SANYAL	
					0.583									
					0.521									
				% Respirable Quartz	0.71									0.730
					0.82									
					0.66									

* 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			
CCM-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 $\frac{\text{mg}}{\text{m}^3}$ (% 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)
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				
Kiln No. 1 & 2 Area (40 TPD each) (DRI)	Silica, SiO ₂ (Quartz, In terms of respirable dust)	28-11-2024	3	Respirable Dust in mg/m ³	1.204	1.139	10.0 mg/m ³ (% Respirable Quartz + 2)	See Annex-1	-	4	Below PEL		S.MONDAL
1.140													
1.074													
% Respirable Quartz				1.25	1.290								
				1.33									
				1.29									

* 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			
Kilin 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	10.0 mg/m ³ [(% Respirable Quartz + 2)]	See Annex-1	-	2	Below PEL		P.SANYAL
					1.161							
					1.088							
				% Respirable Quartz	1.34							
					1.30							
					1.36							

* 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, 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			
Stock House Area (DRI)	Silica, SiO ₂ (Quartz, in terms of respirable dust)	28-11-2024	3	Respirable Dust in mg/m ³	0.759	10.0 — mg/m ³ (% Respirable Quartz + 2)	See Annex-1	-	1	Below PEL		S. MONDAL
					0.696							
					0.509							
				% Respirable Quartz	1.49							
					1.42							
					1.36							
					0.655							

* 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-8-713206, 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 Hopper Area (DRI)	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	-	I	Below PEL		P. SANYAL
					0.462							
					0.425							
				% Respirable Quartz	1.91							
					1.84							
					1.67							

* 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.

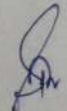
Name of the Plant

: 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 :

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 (DRI)	Coal Dust	28-11-2024	3	Respirable Dust in mg/m ³	0.604	0.550	2 mg/m3, respirable dust fraction containing less than 5% quartz	See Annex-1	-	1	Below PEL		S. MONDAL
0.462													
0.583													
% Respirable Quartz			2.02	1.947									
			1.94										
			1.88										

* PEL - Permissible Exposure Limit

(J. DEY)
Authorized Signatory

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				
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-1	-	2	Below PEL		S. MONDAL
0.428													
0.399													
% Respirable Quartz				0.58	0.533								
				0.54									
				0.48									

• PEL – Permissible Exposure Limit

* 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			
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	10.0 mg/m ³ (% Respirable Quartz + 2)	See Annex-1		2	Below PEL		S. MONDAL
					0.379							
					0.366							
				% Respirable Quartz	0.48							
					0.44							
					0.41							

* 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				
Chatal 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	10.0 mg/m ³ (% Respirable Quartz + 2)	See Annex-1	-	1	Below PEL		P.SANYAL
					0.473								
					0.449								
				% Respirable Quartz	0.49	0.460							
					0.46								
					0.43								

* 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.


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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			
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	10.0 — mg/m ³ [(% Respirable Quartz + 2)]	See Annex-1	-	2	Below PEL		P.SANYAL
					0.427							
					0.374							
				% Respirable Quartz	0.55							
					0.51							
					0.49							

* PEL – Permissible Exposure Limit

(J. DEY)
Authorized Signatory

ANNEXURE-10



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board



TC-15288

Urvashi Malhar, Phase II, MEAV-25, 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 WATER ANALYSIS

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

Sample is drawn by M/s. Greenvision

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

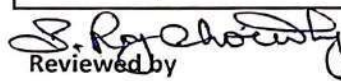
U.L.R. No. : TC1528825000000056F

Report No. : GV/WW/24-25/197
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-017-2025
Report Date : 17.03.2025
Date of Sampling : 04.03.2025
Date of Receiving : 04.03.2025
Analysis Started on : 05.03.2025
Analysis Completed on : 10.03.2025
Time of Sampling : 04:00 pm

Sampling & Preservation Method : APHA 24th EDITION, 1060

PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMITS
pH	APHA 24 th EDITION, 4500-H+B	---	7.11	5.5 – 9.0
Total Suspended Solid(TSS)	APHA 24 th EDITION, 2540 D	mg/l	24.0	< 100.0
Chemical Oxygen Demand (COD)	APHA 24 th EDITION, 5220 B	mg/l	48.5	< 250.0
Biochemical Oxygen Demand (BOD)	IS:3025, P-44, 1993, Reaffirmed 2014	mg/l	6.2	< 30.0
Oil & Grease	APHA 24 th EDITION, 5520 A	mg/l	< 2.0	< 10.0


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

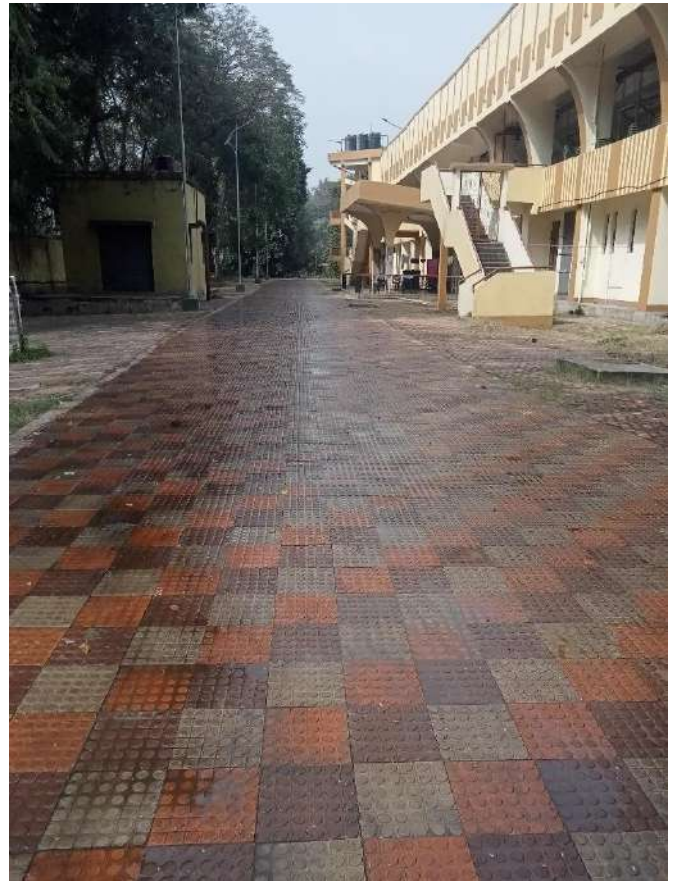
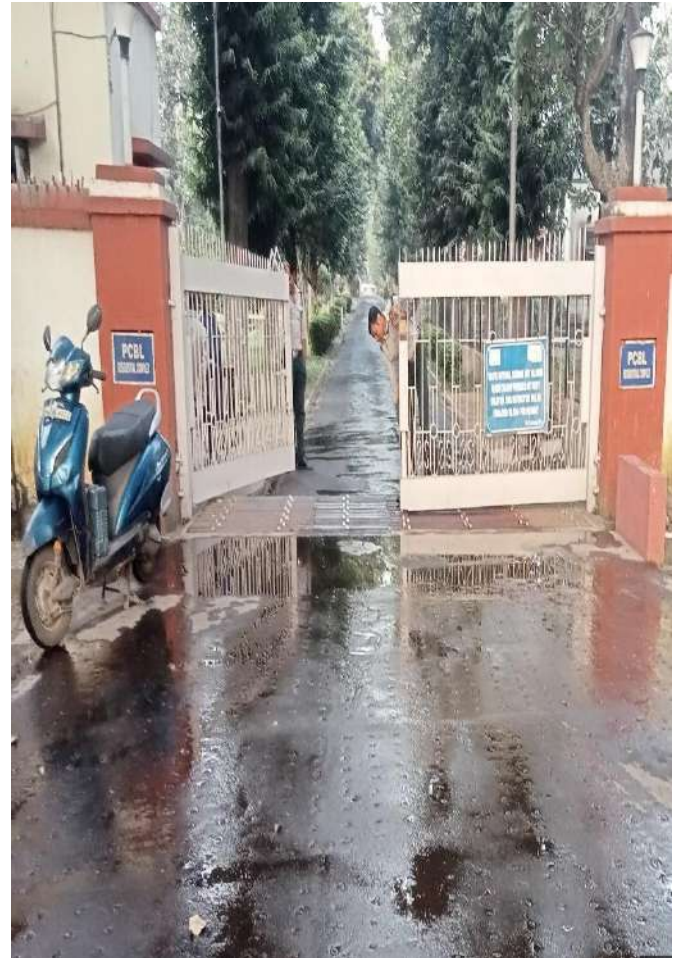

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

- 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 ON ROADS IN SURROUNDING AREAS OF THE PLANT





ANNEXURE-12A

NOC NO172005

SPEED POST

WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Bhawan
10A, Block - LA, Sector III, Bidhannagar
Kolkata - 700 106



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: i) Your letter No. Nil Dated 09.09.2022
ii) Environmental Clearance issued vide EC Identification No. EC22A
006WB110390, P.No. J-11011/156/2020-IA, II (I), dtd. 01.09.2022

Dear Sirs,

expansion

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 (66,000 TPA spong iron plant and 4,56,000 TPA rolling mill) - steel melting Shop (1,08,000 TPA manufacturing/storage/retention) (3,50,000 TPA) alongwith installation of captive power plant of 10MW (5 MW WHRB & 5 MW AFBC) at Dr. Zakir Hussain Avenue, G.T. Road (Indo America at More), Durgapur, Tehsil - Faridpur Durgapur, Dist. - Paschim Bardhaman, West Bengal. *

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.

Md. 16/09/2022
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 Import 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 Plastics 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,

[Signature]
Member Secretary/Chief Engineer
West Bengal Pollution Control Board (EIM CELL)

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

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

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, III/Alipur 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
Delhi Road, Dankuni
Dist. Hooghly

Vill, Panpur
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, LA-Block, Sector-III
Salt Lake City,
Kolkata - 700 098

Block-05 at 40
Flats Complex
Adjacent to Priyambada
Housing Estate
P.O. : Khanjanchak,
P.S. Durgachak
Haldia-721602
Dist. : Purba Medinipur

Paribahan Nagar
Matigara, Siliguri
Dist.-Darjeeling

Satya Chowdhury
Indoor Stadium
Balurchar Bandh Road
Malda-732101

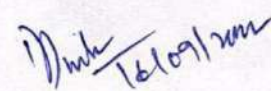
Asansol Sub-Regional Office
ADDA Commercial Market (2nd Floor)
Opposite Asansol Fire Station
G.T. Road, Asansol-713 301

[Signature]
Member Secretary/Chief Engineer
West Bengal Pollution Control Board (EIM CELL)

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

Annexure – 1 to the NOC No. NO172005

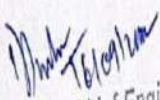
Name of the Units	Existing Production Capacity as per Consent to Operate (CTO)			Additional Capacity & Production for which CTE applied as EC dtd 01-09-2022		Total Production after expansion	Remarks
	Installed Capacity	Production (in ton)		Capacity	Production (TPA)		
		Annually	Monthly				
Sponge Iron 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

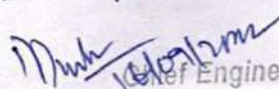
Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

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. ^{sg.} 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
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 :-


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 :-

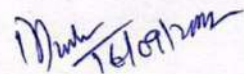
- 1) Process – 'Zero discharge' to be implemented. To be treated in ETP. Treated effluent to be recycled.
- 2) Cooling water to be recycled after settling.
- 3) Domestic – to be treated in STP and reused totally.

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, GoI 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.



**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-F/WPBD-cont (398)/2K

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. Bose Road, 7th floor, (Address of Regd. office/Head/Office/City Office)
Kolkata-700071
(hereinafter referred to as Applicant) for its unit located at Dr. Zakir Hussain Avenue, DM 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. Env. Engr. / Env. Engr. / Asst. Env. Engr.)
Koey
Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board

ANNEXURE

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.

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 (TMT 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 DMC drain/soakpit (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.)

Kaey
 Environmental Engineer
 Durgapur Regional Office
 West Bengal Pollution Control Board

Continued.....

Env. Engr. / Env. Engr. (Asst. Env. Engr.)
Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board
Continued.....

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

for its unit at Dr. Zakir Hussain Avenue, DMK 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 to (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-I	30	Rotary Kiln (100 TPD) [APCD-ESP]			100 (at 12%CO ₂)	1	—	—		Quarterly
S-2	30	Rotary Kilns-2nos. (40 TPD each) [APCD-ESP]			100 (at 12%CO 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-bin			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 (18TPH, CBM/ LDO/LSHS-fired)			150	1	300	1000		Half yearly
S-10	8	DG set (400 KVA)			150	1	—	—		Once in 05 years.
S-11	8	DG set (380 KVA)			150	1	—	—		-do-

(As per the Order dated 18/4/2017 of the Hon'ble NGT, EZ 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. / Asst. Engineer)

Key
Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board
Continued.....

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-713 206.

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 DG sets (400 KVA & 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 reused 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 AFBC/CFBC boiler.
APC dust	1083 MT/month	—	To be given out for land filling/brick making.

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. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

K. S. Sanyal
 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, DMCL 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 *Application* 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/jute shall be disposed as per the provisions of Hazardous & Other Wastes (Management & Trans-boundary Movement) Rules, 2016 & as 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.

Key
 Environmental Engineer
 Durgapur Regional 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, MEAV-25, 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/24-25/584

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. : TC1528825000000063F

Sample Ref. ID : AS-014-2025(11)

Report Date : 17.03.2025

Date of Sampling : 05.03.2025

Date of Receiving : 05.03.2025

Analysis Started On : 06.03.2025

Analysis Completed On : 07.03.2025

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

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 32.0

Barometric Pressure (mm of Hg) : 753.0

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	1280.24	IS : 5182 (Part 4), 1999
02.	Concentration of SO_2	$\mu\text{g}/\text{m}^3$	8.04	IS : 5182 (Part 2), 2006
03.	Concentration of NO_2	$\mu\text{g}/\text{m}^3$	35.86	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. Roy Chowdhury
Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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TEST REPORT OF FUGITIVE AIR ANALYSIS

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

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC152882500000064F

Report No. : GV/AR/24-25/585
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-014-2025(12)
Report Date : 17.03.2025
Date of Sampling : 05.03.2025
Date of Receiving : 05.03.2025
Analysis Started On : 06.03.2025
Analysis Completed On : 07.03.2025
Time of Sampling : 09:45 am to
05:45 pm

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 32.0
Barometric Pressure (mm of Hg) : 754.0

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	1346.74	IS : 5182 (Part 4), 1999
02.	Concentration of SO_2	$\mu\text{g}/\text{m}^3$	7.84	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. Roy Chowdhury
Reviewed by

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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TC-15288

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

TEST REPORT OF FUGITIVE AIR ANALYSIS

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

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC1528825000000065F

Report No. : GV/AR/24-25/586
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-014-2025(13)
Report Date : 17.03.2025
Date of Sampling : 05.03.2025
Date of Receiving : 05.03.2025
Analysis Started On : 06.03.2025
Analysis Completed On : 07.03.2025
Time of Sampling : 10:10 am to
06:10 pm

A. METROLOGICAL INFORMATION

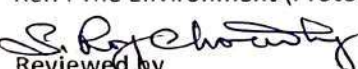
Average Temperature ($^{\circ}\text{C}$) : 32.0
Barometric Pressure (mm of Hg) : 754.0


B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	534.22	IS : 5182 (Part 4), 1999
02.	Concentration of SO_2	$\mu\text{g}/\text{m}^3$	7.5	IS : 5182 (Part 2), 2006
03.	Concentration of NO_2	$\mu\text{g}/\text{m}^3$	35.12	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
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TEST REPORT OF FUGITIVE AIR ANALYSIS

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

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/24-25/587

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)

U.L.R. No. : TC1528825000000066F

Sample Ref. ID : AS-014-2025(14)

Report Date : 17.03.2025

Date of Sampling : 05.03.2025

Date of Receiving : 05.03.2025

Analysis Started On : 06.03.2025

Analysis Completed On : 07.03.2025

Time of Sampling : 10:35 am to
06:35 pm

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 32.0

Barometric Pressure (mm of Hg) : 754.0

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	690.74	IS : 5182 (Part 4), 1999
02.	Concentration of SO_2	$\mu\text{g}/\text{m}^3$	7.68	IS : 5182 (Part 2), 2006
03.	Concentration of NO_2	$\mu\text{g}/\text{m}^3$	35.36	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

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ANNEXURE-14



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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. : TC152882500000057F

Sample is drawn by	: Vikas Ram, Sr. Technician of M/s. Greenvision	Laboratory Ref. No.	: GS-012-2025
Report No.	: GV/GW/24-25/124	Report Date	: 17.03.2025
Issued To	: M/s. SPS Steels Rolling Mills Ltd. (Unit-I)	Date of Sampling	: 04.03.2025
Address	: Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.	Sample Received on	: 04.03.2025
Sample Condition	: In Glass Bottle & Plastic Bottle	Analysis Started on	: 05.03.2024
Sample Description	: Ground Water	Analysis Completed on	: 12.03.2025
		Time of Sampling	: 04:10 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)	-	6.86	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.	0.52	1	5	2130 B
6.	Conductivity	µS/cm	312.0	-	-	2510 B
7.	Total Dissolved Solid (TDS)	mg/L	224.0	500	2000	2540 C
8.	Total Hardness as CaCO ₃	mg/L	78.0	200	600	2340 C
9.	Chloride as Cl	mg/L	13.74	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	20.14	200	400	4500 SO ₄ ²⁻ E
12.	Nitrate as NO ₃ ⁻	mg/L	2.2	45.0	No Relaxation	4500 NO ₃ ⁻
13.	Fluoride as F	mg/L	BDL	1	1.5	4500 FD



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14.	Calcium as Ca	mg/L	22.16	75	200	3500- Ca B
15.	Magnesium as Mg	mg/L	7.92	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

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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ANNEXURE-15A



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

TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC1528825000000052F
Report No. : GV/NL/24-25/119 Sample Ref. ID : NLM-007-2025(1)
Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I) Report Date : 17.03.2025
Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Date of Sampling : 04.03.2025 & 05.03.2025
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 (11:10 Hrs to 12:10 Hrs.)			Night Time (22:50 Hrs. to 23:50 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
61.1	54.7	59.2	53.2	46.4	50.2

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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



TEST REPORT OF NOISE LEVEL MONITORING

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

U.L.R. No. : TC152882500000053F

Sample is drawn by : M/s. Greenvision

Report No. : GV/NL/24-25/120

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 : 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-007-2025(2)

Report Date : 17.03.2025

Date of Sampling : 04.03.2025 &
05.03.2025

Total Time : 1 Hr.

Sampling Method : IS : 9989 :1981

Noise Level dB (A)					
Day Time (12:25 Hrs to 13:25 Hrs.)			Night Time (00:20 Hrs. to 01:20 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
64.6	58.2	62.7	54.4	48.6	52.3

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

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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



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TC-15288

TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC152882500000054F
Report No. : GV/NL/24-25/121 Sample Ref. ID. : NLM-007-2025(3)
Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I) Report Date : 17.03.2025
Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Date of Sampling : 04.03.2025 & 05.03.2025
Sample Description : Noise Level Total Time : 1 Hr.
Sampling Location : Rear End of the Plant 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 (13:50 Hrs to 14:50 Hrs.)			Night Time (01:40 Hrs. to 02:40 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
64.7	57.9	62.7	53.5	46.3	50.1

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

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TC-15288

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TEST REPORT OF NOISE LEVEL MONITORING

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

U.L.R. No. : TC152882500000055F

Sample is drawn by : M/s. Greenvision

Report No. : GV/NL/24-25/122

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-007-2025(4)

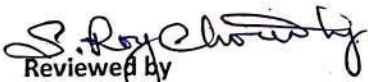
Report Date : 17.03.2025

Date of Sampling : 04.03.2025 &
05.03.2025

Total Time : 1 Hr.

Sampling Method : IS : 9989 :1981

Noise Level dB (A)					
Day Time (15:15 Hrs to 16:15 Hrs.)			Night Time (03:05 Hrs. to 04:05 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
54.3	47.5	51.6	44.8	39.2	42.6



Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager



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

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ANNEXURE-15B



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



TC-15288

TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC152882500000067F
Report No. : GV/NL/24-25/123 Sample Ref. ID : NLM-007-2025(5)
Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I) Report Date : 17.03.2025
Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman. Date of Sampling : 05.03.2025
Sample Description : Noise Level Total Time : 1 Hr.
Location : DRI Kiln Area (Sponge Division) Starting Time : 10:45 am
Noise Level Limit : 90 dB(A) [8 Hrs. Exposure] Sampling Method : IS : 9989 :1981
{ 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

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
77.4	82.7	81.4

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

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



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Urvashi Malhar, Phase II, MEAV-25, 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 NOISE LEVEL MONITORING

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

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC152882500000068F
Report No. : GV/NL/24-25/124 Sample Ref. ID : NLM-007-2025(6)
Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I) Report Date : 17.03.2025
Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman. Date of Sampling : 05.03.2025
Sample Description : Noise Level Total Time : 1 Hr.
Location : Near Product House (Sponge Division) Starting Time : 12:05 pm
Noise Level Limit : 90 dB(A) [8 Hrs. Exposure] Sampling Method : IS : 9989 :1981
{ 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

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
71.9	77.3	76.0

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

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TEST REPORT OF NOISE LEVEL MONITORING

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

U.L.R. No. : TC1528825000000069F

Sample is drawn by : M/s. Greenvision

Report No. : GV/NL/24-25/125

Sample Ref. ID : NLM-007-2025(7)

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

Report Date : 17.03.2025

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

Date of Sampling : 05.03.2025

Sample Description : Noise Level

Total Time : 1 Hr.

Location : Rolling Mill Dispatch Area

Starting Time : 01:30 pm

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

Sampling Method : IS : 9989 :1981

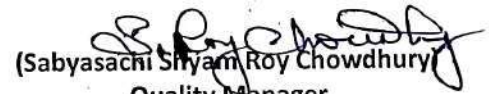
Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.

Category of Area : Industrial Area

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
73.8	79.4	77.9



Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager



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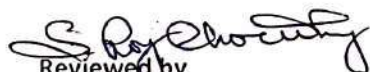
Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC152882500000070F
Report No. : GV/NL/24-25/126 Sample Ref. ID : NLM-007-2025(8)
Name of Customer : M/s. SPS Steels Rolling Mills Ltd. (Unit-I) Report Date : 17.03.2025
Address of Customer : Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman. Date of Sampling : 05.03.2025
Sample Description : Noise Level Total Time : 1 Hr.
Location : Induction Furnace Area Starting Time : 03:10 pm
Noise Level Limit : 90 dB(A) [8 Hrs. Exposure] Sampling Method : IS : 9989 :1981
{ 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

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
76.8	82.3	80.8



Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager



(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
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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 Swarupnanda 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 LIMTED


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	

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4	Nature of Hazards	5
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10	Action Plan for Risk & Disaster Management	13
11	Facilities for on-site emergency plan	16
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 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 2
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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.

Presently, the company is having following facilities in operations

- 1 x 100 TPD DRI Kiln
- 2 x 40 TPD DRI Kilns

 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 3
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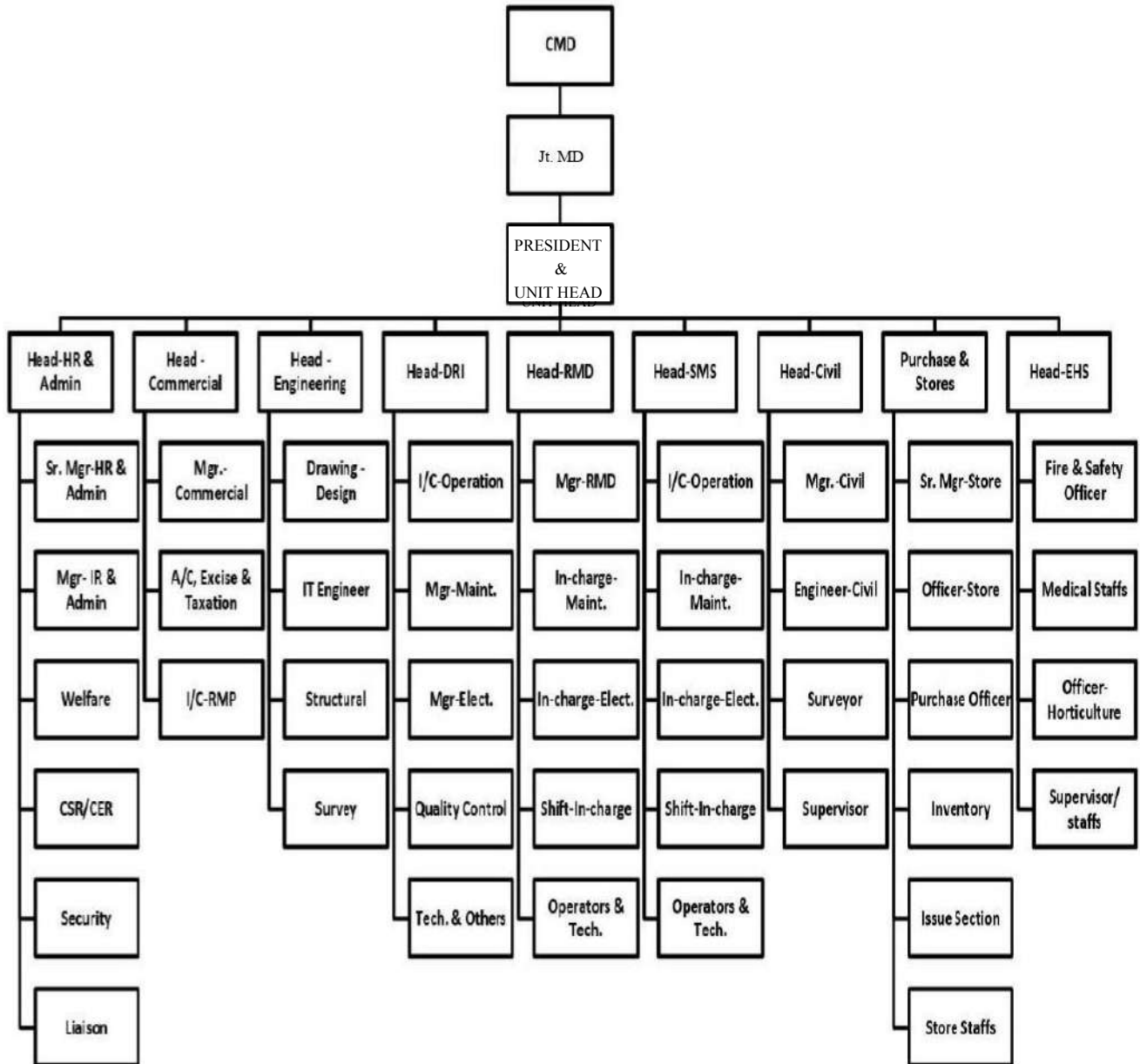
- 3 x 20 T Induction Furnace with Caster
- 2 x 18 TPH Reheating Furnace
- 1300 TPD Rolling Mill


Further following facilities are to be implemented in due course of time under proposed expansion plan:

- 5x20 T Induction Furnaces with 2 Casters & 1 LRF was sanctioned by MoEFCC. 3x20 T IFs are under operation and CTO for 2x20 have been applied for
- 10 MW Captive Power Plant (5 MW WHRB + 5 MW AFBC)
- Existing 2x18 TPH Reheating Furnace has been dismantled. Both Rolling Mills will be hot charged. 1x18 TPH Reheating Furnace will continue to operate

Risk and Disaster Management Plan

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	Page 5
	Risk and Disaster Management Plan	

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.

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.

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	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 for DRI kiln cold startup & Rolling Mill (Above Ground, fenced as per norms of explosive Authority)	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.

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	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:


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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

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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.

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- 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.

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- 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.

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- 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	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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.

Risk and Disaster Management Plan

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.

	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 16
	Risk and Disaster Management Plan	

- 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.

Risk and Disaster Management Plan

- 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 & and medicines are filled/replaced. The first aid boxes are provided in the following locations:

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

DISASTER MANAGENENTPLAN

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 of 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 a 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 device 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.

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	Risk and Disaster Management Plan	

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.

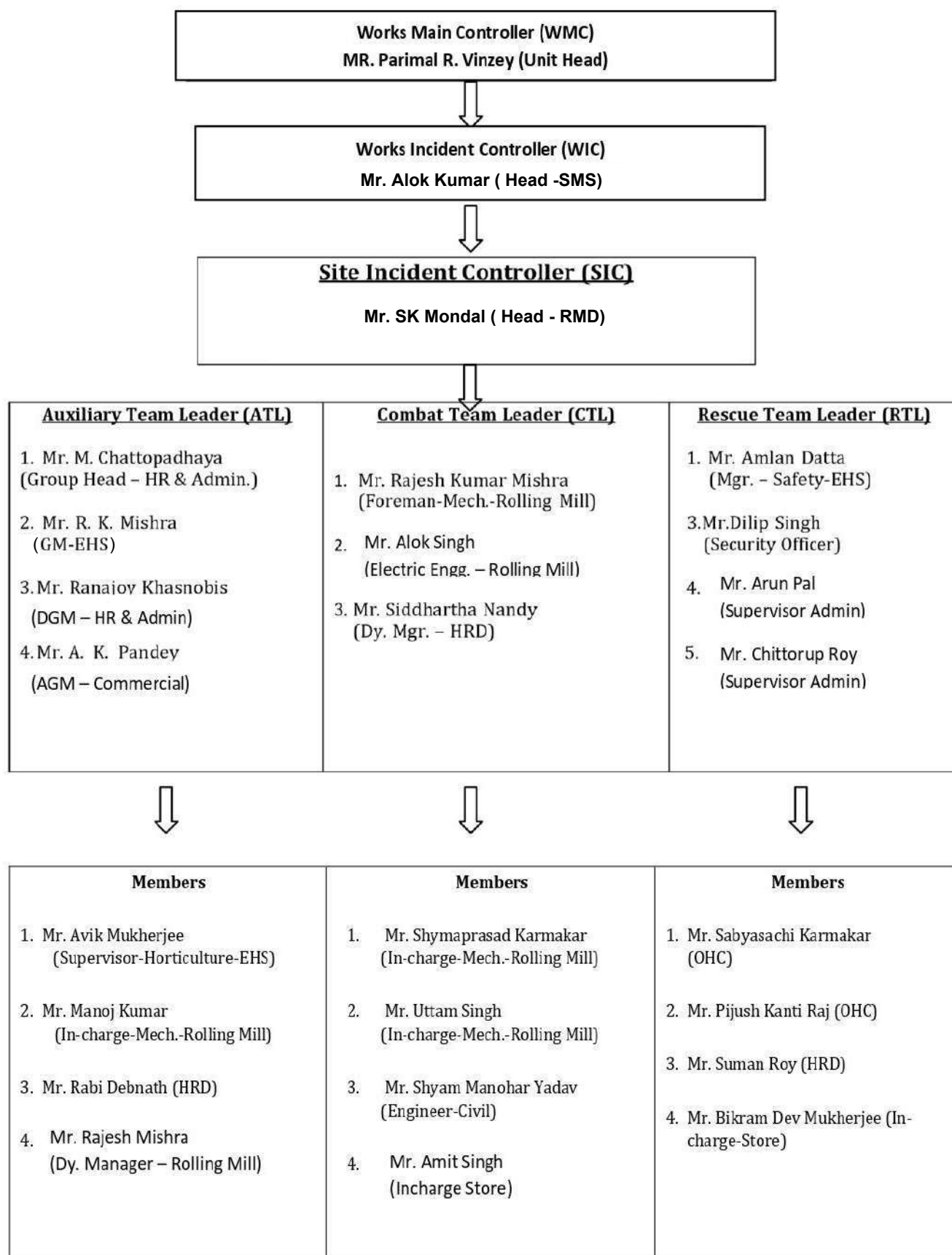
Responsibility of Implementation of DMP:

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



Risk and Disaster Management Plan

TELEPHONE NUMBERS OF EMERGENCY COMMAND TEAM

Sl No.	Name	Position in Team	Mob. Number	FAX. No.
1	Mr. Parimal R. Vinzey	Works Main Controller (WMC)	9975213651	4011
2	Mr. Alok Kumar	Works Incident Controller (WIC)	9679160081	4029
3	Mr. SK Mondal	Site Incident Controller (SIC)	8340101102	-
4	Mr. Vijay Kumar Singh		7602099539	4021
5	Mr. Y. N. Rao		7596072601	4025
6	Mr. M. Chattopadhyaya	Auxiliary Team Leader (ATL)	8367850085	4014
7	Mr. R. K. Mishra		8695621900	
8	Mr. Ranajoy Khasnobis		7596072612	4014
9	Mr. A. K. Pandey		7001370534	4016
10	Mr. Ananta Singh		8373055366	4012
11	Mr. Rishi Kumar Sharma	Combat Team Leader (CTL)	7596072620	
12	Mr. Rajesh Kumar Mishra		7585926732	
13	Mr. Alok Singh		7596072621	4031
14	Mr. Dipanjan Chaki		8101928756	
15	Mr. Siddhartha Nandy		7596072608	4020
16	Mr. Amlan Datta	Rescue Team Leader (RTL)	7596072643	
17	Mr. Dilip Singh		7596072637	4041
18	Mr. Arun Pal		9475981663	
19	Mr. Chittorup Roy		7679089468	

EMERGENCY CONTACT NUMBERS:

Sl No.	Name	Mob. Number	FAX No.
1	Main Gate Security Office # 02	7596072639	4040
2	Main Gate Security Office # 03	7596072640	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-18

MEDICAL CHECK-UP PHOTOGRAPHS



Reception and General check-up



Blood Test



Audiometry Test



PFT Test



Eye Test



Chest X-Ray



ECG

Health Checkup Report

FORM 17

HEALTH

1. Serial No. in the Register of adult workers:
2. Name of worker:
3. Sex:

(Prescribed under rule 63 & 94 of the West Bengal Factories Rules 1950)

Department	Name of worker	Designation	Age	Sex	Date of joining	Date of last medical checkup	Reason for discharge	Sign and signature of the worker
	1. Jitendra Roy	32M	RHT	c/fop	Amawal			
	2. Sumit Rudra	25M	RHT	c/fop	Amawal			

Note: 1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each worker.

REGISTER

as amended vide Notification No. 1183-LWR-1/91 dated 27th Nov. 1991.

4. Date of issue:
5. Medical examination and its results done at:

If declared unfit for work

Name of worker	Result of medical checkup	Period of temporary disability	Reason for work withdrawal	Date of resumption of work	Date of leaving	Signature of the worker
Jitendra Roy	X-ray chest ECG PFT Audio Blood - Hb - 13.5 Platelet - 190 TC - 1700 DL - 1700 PCV - 40.2 MCV - 82.2 MCH - 22.8 MCHC - 27.9 ESR - 0.5 GP - A+ve Vision - WNL					
Sumit Rudra	X-ray chest ECG PFT Audio Blood - Hb - 13.5 Platelet - 190 TC - 1700 DL - 1700 PCV - 40.2 MCV - 82.2 MCH - 22.8 MCHC - 27.9 ESR - 0.5 GP - A+ve Vision - WNL					

FORM 17

HEALTH

1. Serial No. in the Register of adult workers:
2. Name of worker:
3. Sex:

(Prescribed under rule 63 & 94 of the West Bengal Factories Rules 1950)

Department	Name of worker	Designation	Age	Sex	Date of joining	Date of last medical checkup	Reason for discharge	Sign and signature of the worker
	3. Rapi Rudra	25M	RHT	c/fop	Amawal			
	4. Sahyashank Dasak	32M	RHT	c/fop	Amawal			

Note: 1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each worker.

REGISTER

as amended vide Notification No. 1183-LWR-1/91 dated 27th Nov. 1991.

4. Date of issue:
5. Medical examination and its results done at:

If declared unfit for work

Name of worker	Result of medical checkup	Period of temporary disability	Reason for work withdrawal	Date of resumption of work	Date of leaving	Signature of the worker
Rapi Rudra	X-ray chest ECG PFT Audio Blood - Hb - 13.5 Platelet - 190 TC - 1700 DL - 1700 PCV - 40.2 MCV - 82.2 MCH - 22.8 MCHC - 27.9 ESR - 0.5 GP - A+ve Vision - WNL					
Sahyashank Dasak	X-ray chest ECG PFT Audio Blood - Hb - 13.5 Platelet - 190 TC - 1700 DL - 1700 PCV - 40.2 MCV - 82.2 MCH - 22.8 MCHC - 27.9 ESR - 0.5 GP - A+ve Vision - WNL					

FORM 17

HEALTH

1. Serial No. in the Register of adult worker:

(Prescribed under rule 63 & 94 of the West Bengal Factories Rules 1950)

2. Name of worker:

3. Sex:

Supervisor's Mark	Name of hazardous process	Dangerous chemical operation	Nature of job or occupation	Remedial, protective or hygienic duty to be performed	Date of joining	Date of leaving/transfer/other work	Reason for discharge/transfer/other work	Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
⑤	Anand & Sharma	25/11	PH-2	C/S/P	Anand			
⑥	Kanishk Kumar	20/11	PH-2	Supervisor	Anand			

Note - 1. Separate page should be maintained for individual worker.
2. Present card should be made for each examination.

REGISTER

No.

as amended vide Notification No. 1183-LW/R-1/91 dated 27th Nov. 1991.

4. Date of birth:

5. Medical examination and the results thereof:

If declared unfit for work

Name of worker & result thereof	Result of test	Period of temporary withdrawal from work	Reasons for such withdrawal	Date of declaring him unfit for work	Date of issuing fitness Certificate	Signature with stamp of the Factory Medical Officer or Competent Surgeon
11	12	13	14	15	16	17
x-ray chest ECG PFT Audio Blood - Hb 13.9 Platelet 2.05 TC 9500 SGOT 11.15 (2.4) (4.0) PCV 43.3 MCV 87.2 MCH 22.9 MCHC 32.0 ESR 08 GP R +ve Vision - WNL						NCS
x-ray chest ECG PFT Audio Blood - Hb 14.4 Platelet 2.10 TC 8100 SGOT 11.15 (2.4) (4.0) PCV 43.3 MCV 87.2 MCH 22.9 MCHC 32.0 ESR 14 GP R +ve Vision WNL						NCS

HEALTH

FORM 17

1. Serial No. in the Register of adult worker:

(Prescribed under rule 63 & 94 of the West Bengal Factories Rules 1950)

2. Name of worker:

3. Sex:

Supervisor's Mark	Name of hazardous process	Dangerous chemical operation	Nature of job or occupation	Remedial, protective or hygienic duty to be performed	Date of joining	Date of leaving/transfer/other work	Reason for discharge/transfer/other work	Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
⑦	Kanishk Kumar	20/11	PH-2	Supervisor	Anand			
⑧	Shishu Kumar	25/11	PH-2	Supervisor	Anand			

Note - 1. Separate page should be maintained for individual worker.
2. Present card should be made for each examination.

REGISTER

No.

as amended vide Notification No. 1183-LW/R-1/91 dated 27th Nov. 1991.

4. Date of birth:

5. Medical examination and the results thereof:

If declared unfit for work

Name of worker & result thereof	Result of test	Period of temporary withdrawal from work	Reasons for such withdrawal	Date of declaring him unfit for work	Date of issuing fitness Certificate	Signature with stamp of the Factory Medical Officer or Competent Surgeon
11	12	13	14	15	16	17
x-ray chest ECG PFT Audio Blood - Hb 12.8 Platelet 1.96 TC 6700 SGOT 11.15 (2.4) (4.0) PCV 41.0 MCV 87.2 MCH 22.8 MCHC 32.0 ESR 10 GP R +ve Vision WNL						NCS
x-ray chest ECG PFT Audio Blood - Hb 12.8 Platelet 1.96 TC 6700 SGOT 11.15 (2.4) (4.0) PCV 41.0 MCV 87.2 MCH 22.8 MCHC 32.0 ESR 10 GP R +ve Vision WNL						NCS

HEALTH

1. Social No. in the Register of adult worker :
2. Name of worker :
3. Sex :

(Prescribed under rule 63 & 94 of the West Bengal Factories Rules 1950)

Document No.	Name of Recipient	Original photo's expiration	Nature of job or occupation	How materials and tools or products likely to be exposed to	Date of posting	Date of arrival of worker at work	Name (or discharge) number in the work	Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
(9)	Rajay Singh	15/11	24/5					Shyam Ent. Horse & Kasper
(10)	Jihau Bauri	25/11	24-2					Satish Ent. 24/dns. op

Note: 1. Separate page should be maintained for individual worker.

Note :- 1. Separate page should be maintained for individual worker
2. First copy should be made for each examiner

REGISTER

No.

as amended vide Notification No. 1183-LW-IR-1/91 dated 27th Nov, 1991.

4. Date of birth:

5. Medical examination and the results thereof

if declared unfit for work

[illegible]

DE. N. C. BRINT, JR. 1940
1940. DE. N. C. BRINT, JR.
CHIEF OF BUREAU OF
DE. N. C. BRINT, JR. 1940

DE N. C. 1711-1712
MAY 1711
SUN 1711
SUN 1711

HEALTH

FCRM 17

1. Serial No. in the Register of adult worker :
2. Name of worker :
3. Sex :

(Prescribed under rule 63 & 64 of the West Bengal Factories Rules 1958)

Observations made	Name of hazardous process	Designation of person doing operation	Place of job or occupation	Remarks, probable or dangerous, likely to be caused by	Date of posting	Date of removal of worker from work	Notice for dangerous work to other work	Signatures of supervisor or other concerned authorities
1	2	3	4	5	6	7	8	9
(11)	Rip in ch. no. 9			27/4 RHT				27/4 RHT
(12)	AKA of Banu			27/4 RHT				27/4 RHT

Note :- 1. Separate page should be maintained for individual worker
2. Fresh entry should be made for each examination

REGISTER

No.

as amended vide Notification No. 1103-LW-IR-1/91 dated 27th Nov. 1991

8. Date of birth:

5. Medical examination and the results there of

if declared as fit for work.

[illegible]

NCB [unclear]

NCEB

DR. R. C. BHATTACHARYA
CHIEF, MEDICAL DEPARTMENT
AND STATUS ROOM, 11th FLOOR
BAPTIST MEMORIAL HOSPITAL

ANNEXURE-19

CSR ACTIVITIES

Distribution of the general ration (Rice, Dal, Mustard Oil, etc.) to Underprivileged people



Food distribution to pilgrims



Empowering Women Program by Self Employment Training



ANNEXURE-20



GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board



Urvashi Malhar, Phase II, MEAV-25, 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

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC152882500000044F

Report No. : GV/AR/24-25/574

Sample Ref. ID : AS-014-2025(1)

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

Report Date : 17.03.2025

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

Date of Sampling : 04.03.2025 to
05.03.2025

Sample Description : Ambient Air

Date of Receiving : 05.03.2025

Sampling Location : Roof of Administrative Building

Analysis Started On : 06.03.2025

Sample Condition : In GMF Filter Paper & Plastic Bottle

Analysis Completed On : 07.03.2025

Location of Testing : At Laboratory

Time of Sampling : 08:40 am to
08:40 am

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION

Average Temperature (°C) : 31.4

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	61.48	100.0
02.	Concentration of PM _{2.5}	µg/m ³	30.84	60.0
03.	Concentration of SO ₂	µg/m ³	8.04	80.0
04.	Concentration of NO ₂	µg/m ³	35.52	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	0.185	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	10.7826	100.0

* 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 (Filter Paper) 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

Urvashi Malhar, Phase II, MEAV-25, 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

Report No. : GV/AR/24-25/575

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 GMF Filter Paper & Plastic Bottle

Location of Testing : At Laboratory

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 31.4

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	$\mu\text{g}/\text{m}^3$	81.32	100.0
02.	Concentration of PM _{2.5}	$\mu\text{g}/\text{m}^3$	41.26	60.0
03.	Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	8.54	80.0
04.	Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	36.48	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	$\mu\text{g}/\text{m}^3$	8.85	400.0
08.	Concentration of CO	mg/m^3	0.326	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	$\mu\text{g}/\text{m}^3$	10.9124	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.

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GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MEAV-25, 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

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC1528825000000046F

Report No. : GV/AR/24-25/576

Sample Ref. ID : AS-014-2025(3)

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

Report Date : 17.03.2025

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

Date of Sampling : 04.03.2025 to
05.03.2025

Sample Description : Ambient Air

Date of Receiving : 05.03.2025

Sampling Location : Rear End of the Plant

Analysis Started On : 06.03.2025

Sample Condition : In GMF Filter Paper & Plastic Bottle

Analysis Completed On : 07.03.2025

Location of Testing : At Laboratory

Time of Sampling : 09:30 am to
09:30 am

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION

Average Temperature (°C) : 31.4

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 PM10	µg/m ³	74.32	100.0
02.	Concentration of PM2.5	µg/m ³	38.16	60.0
03.	Concentration of SO ₂	µg/m ³	7.94	80.0
04.	Concentration of NO ₂	µg/m ³	35.86	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	8.68	400.0
08.	Concentration of CO	mg/m ³	0.242	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	10.8206	100.0

* 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

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End of the report.....

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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. : TC1528825000000047F

Report No. : GV/AR/24-25/577

Sample Ref. ID : AS-014-2025(4)

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

Report Date : 17.03.2025

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

Date of Sampling : 04.03.2025 to
05.03.2025

Sample Description : Ambient Air

Date of Receiving : 05.03.2025

Sampling Location : Khoyrasole Village

Analysis Started On : 06.03.2025

Sample Condition : In GMF Filter Paper & Plastic Bottle

Analysis Completed On : 07.03.2025

Location of Testing : At Laboratory

Time of Sampling : 09:50 am to
09:50 am

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 31.4

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	$\mu\text{g}/\text{m}^3$	65.84	100.0
02.	Concentration of PM _{2.5}	$\mu\text{g}/\text{m}^3$	32.74	60.0
03.	Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	7.5	80.0
04.	Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	35.14	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	$\mu\text{g}/\text{m}^3$	8.14	400.0
08.	Concentration of CO	mg/m^3	0.128	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	$\mu\text{g}/\text{m}^3$	9.9946	100.0

* 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

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