



Rashmi Hydrogen <rashmi.greenhydrogen@gmail.com>

Submission of Six Monthly (December 1st 2024) Compliance status report of the conditions stipulated in environmental clearance for the period of April 2024 to September 2024 for "Proposed an Integrated Steel Plant of 3.1 million Ton per annum (Finished Steel) along with 230 MW (80 MW WHRB/TRT based + 150 MW coal based) Captive Power Plant by M/s Rashmi Green Hydrogen Steel Private Limited., located at Mouza – Changual (J.L. No. 360), Jethia (J.L. No. 361), Khatranga (J.L. No. 362), Gopinathpur (J.L. No. 359) and Goyalara (J.L. No. 391), P.S. – Kharagpur (Local), Dist. – Paschim Medinipur, West Bengal

1 message

Rashmi Hydrogen <rashmi.greenhydrogen@gmail.com>

Sat, Nov 30, 2024 at 2:11 PM

To: iro.kolkata-mefcc@gov.in, sp.quazi@gov.in, ms@wbpcb.gov.in, roez.bsr-mef@nic.in, monitoring-ec@nic.in

Bcc: biswanath <biswanath@rashmigroup.com>, Bijayen Srivastava <bijayen.srivastava@rashmigroup.com>, Abhay Gupta <abhay.gupta@orissametaliks.com>

Dear Sir/Madam,

With reference to the above mentioned subject, we are submitting herewith six monthly compliance status report of the conditions stipulated in Environmental clearance having EC Identification No. EC23A008WB113189 accorded vide File No. IA-J-11011/102/2022-IA-II(IND-I) dated: 07.03.2023 for "Proposed an Integrated Steel Plant of 3.1 million Ton per annum (Finished Steel) along with 230 MW (80 MW WHRB/TRT based +150 MW coal based) Captive Power Plant by M/s Rashmi Green Hydrogen Steel Private Limited., located at Mouza – Changual (J.L. No. 360), Jethia (J.L. No. 361), Khatranga (J.L. No. 362), Gopinathpur (J.L. No. 359) and Goyalara (J.L. No. 391), P.S. – Kharagpur (Local), Dist. – Paschim Medinipur, West Bengal for the period of April 2024 to September 2024. Half yearly compliance report for the period of April 2024 to September 2024 have also been uploaded on parivesh portal.

We are enclosing herewith scan copy of the compliance report for your kind consideration, please.

We assure that we will comply with all the conditions laid down in the consent letter and also abide to follow all the Rules & Regulations.

Hope you will find the same in order.

Thanking you,

Your faithfully,

For, **M/s Rashmi Green Hydrogen Steel Private Limited**

Authorized Signatory

9 AJC Bose Road, 1st Floor, Ideal Center, Kolkata, WB - 700017 India



EC-COMPL-RGHSPL-DEC-2024.pdf

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RASHMI GREEN HYDROGEN STEEL PRIVATE LIMITED

Address : 9, AJC Bose Road, 1st Floor, Ideal Centre, Kolkata, West Bengal, 700017

CIN : U27100WB2021PTC246718 | PAN : AALCR1619N | TAN : CALR19495A | GSTIN : 19AALCR1619N1ZT

Website : www.rashmigroup.com | Email Id : projectseamless@rashmigroup.com

Ref.: RGHSPL/EC_Compliance/DEC_24

Date: 29.11.2024

To,

a) The Regional Office,

Ministry of Environment, Forests & Climate Change, Bhubaneswar
A/3 Chandersekharpur,
Bhubaneswar – 751023, Odisha

b) The Sub Office, Kolkata

Regional Office, Bhubaneswar,
Ministry of Environment, Forest and Climate Change,
IB-198, Sector-III, Salt Lake City, Kolkata – 700 106

Sub.: **Six Monthly (December 2024)** Compliance status report of the conditions stipulated in environmental clearance for the period of **April 2024 to September 2024** for "Proposed an Integrated Steel Plant of 3.1 million Ton per annum (Finished Steel) along with 230 MW (80 MW WHRB/TRT based + 150 MW coal based) Captive Power Plant by **M/s Rashmi Green Hydrogen Steel Private Limited**, located at Mouza – Changual (J.L. No. 360), Jethia (J.L. No. 361), Khatranga (J.L. No. 362), Gopinathpur (J.L. No. 359) and Goyalara (J.L. No. 391), P.S. – Kharagpur (Local), Dist. – Paschim Medinipur, West Bengal

Ref.: EC Identification No. EC23A008WB113189, File No. IA-J-11011/102/2022-IA-II(IND-I) dated: 07.03.2023.

Dear Sir,

With reference to the above mentioned subject, we are submitting herewith six monthly compliance status report of the conditions stipulated in Environmental clearance having EC Identification No. EC23A008WB113189 accorded vide File No. 11011/102/2022-IA-II(IND-I) dated 07.03.2023 for "Proposed an Integrated Steel Plant of 3.1 million Ton per annum (Finished Steel) along with 230 MW (80 MW WHRB/TRT based +150 MW coal based) Captive Power Plant by M/s Rashmi Green Hydrogen Steel Private Limited., located at Mouza – Changual (J.L. No. 360), Jethia (J.L. No. 361), Khatranga (J.L. No. 362), Gopinathpur (J.L. No. 359) and Goyalara (J.L. No. 391), P.S. – Kharagpur (Local), Dist. – Paschim Medinipur, West Bengal for the

RASHMI GREEN HYDROGEN STEEL PVT. LTD.

Abhinav Singh

Director/Authorised Signatory

period of April 2024 to September 2024. The same have also been uploaded on parivesh portal (copy attached).

Here, we would like to inform that the last six monthly compliance report for the period October 2024 to March 2024 was submitted to concerned department vide mail & letter no. RGHSPL/EC_Compliance/JUNE 24 dated 24.05.2024 and on Parivesh portal vide Compliance ID: 70075854 dated 24.05.2024.

We assure that we will comply with all the conditions laid down in the consent letter and also abide to follow all the Rules & Regulations.

Hope you will find the same in order.

Thanking you.

Yours faithfully,

For, **M/s Rashmi Green Hydrogen Steel Private Limited**

RASHMI GREEN HYDROGEN STEEL PVT. LTD.

Abhimanyu Singh
Authorized Signatory
Director/Authorised Signatory

CC: The Member Secretary, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block-LA, Sector-III, Salt Lake City, Kolkata – 700098.

- Encl.: 1. Compliance Report for EC
2. Stack Monitoring report as Annexure-I.
3. Green Belt Development Detail as Annexure-II.
4. Latest OCEMS report as Annexure-III.
5. Copy of Ambient Air Monitoring Report as Annexure-IV.
6. Copy of Fugitive Emission Report as Annexure-V.
7. Effluent water sampling Report is enclosed as Annexure-VI.
8. Ground water sampling Report is enclosed as Annexure-VII.
9. Copy of Ambient & Work Noise Monitoring Report Annexure-VIII.
10. Illumination intensity monitoring report as Annexure-IX.

Your (Half Yearly Compliance Report) has been Submitted with following details

Proposal No	IA/WB/IND1/414629/2023
Compliance ID	113008788
Compliance Number(For Tracking)	EC/COMPLIANCE/113008788/2024
Reporting Year	2024
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	30-11-2024
RO/SRO Name	ARTATRANA MISHRA
RO/SRO Email	jhk109@ifs.nic.in
State	WEST BENGAL
RO/SRO Office Address	Integrated Regional Offices, Kolkata
Note:- SMS and E-Mail has been sent to ARTATRANA MISHRA, WEST BENGAL with Notification to Project Proponent.	

Name of the Project : Proposed an Integrated Steel Plant of 3.1 million Ton per annum (Finished Steel) along with 230 MW (80MW WHRB/TRT based + 150 MW coal based) Captive Power Plant by M/s Rashmi Green Hydrogen Steel Private Limited., located at Mouza – Changual (J.L. No. 360), Jethia (J.L. No. 361), Khatranga (J.L. No. 362), Gopinathpur (J.L. No. 359) and Goyalara (J.L. No. 391), P.S. – Kharagpur (Local), Dist. – Paschim Medinipur, West Bengal

Clearance Letters No. Date : EC No. EC23A008WB113189; File No. IA-J-11011/102/2022-IA-II(IND-I); dated 07.03.2023

Period of Compliance : April 2024 to September 2024
Report

S. No.	Specific conditions	Compliance Status
i.	The PP 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.	Agreed and noted for compliance. The project is still in construction phase. Only Seamless pipe/tube plant of capacity 3,20,000 Ton/year and Coal gasifier plant of 31,500 Cum/Hr are in operation after obtain valid CTO from WBPCB. Application made to WBPCB for obtaining Consent to Operate for 0.6 million TPA Ductile Iron Pipe, Fittings and Accessories Plant vide online Application No. 5836524.
ii.	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	All the environmental protection measures and safeguards proposed during construction phase & operational phase (i.e. use of movable water tanker, sweeping machine, installation of APCD etc.) are being complied.

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Rashmi Singh
Director/Authorised Signatory

	risk mitigation measures relating to the project shall be implemented.	
iii.	<p>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>	<p>The project is still in construction phase. Only Seamless pipe/tube plant of capacity 3,20,000 Ton/year and Coal gasifier plant of 31,500 Cum/Hr are in operation after obtaining valid CTO from WBPCB. Application made to WBPCB for obtaining Consent to Operate for 0.6 million TPA Ductile Iron Pipe, Fittings and Accessories Plant vide online Application No. 5836524.</p> <p>Rest of the EC accorded facilities are yet to be implemented. The flue gas generated from balance EC accorded project i.e. Blast Furnace, Coke Oven Plant, Sinter, ferro alloy plant will be utilized in various units like in BF, Sinter, Coke Oven Plant, Ferro Plant, power generation etc up to extent possible as proposed in EIA/EMP report. Plantation is a suitable method to sequester carbon and 33% of the plant area is being/will be developed under greenbelt.</p> <p>Details of carbon foot prints and carbon sequestration is already submitted to the IRO, MoEF&CC with the Six Monthly EC compliance Dec-2023 issued vide file no. RGHSPL/EC_SMC/DEC23/2023-24/1 dated 27.11.2023.</p>
iv.	The nearest human settlement from the project site are Khatranga (Adjacent to plant boundary, W), Gopinathpur (2.5 km, SE), Goalara (1.2 km, NE), Radhanagar (2.5 km, NNW) and Kharagpur (7.5 km, W). Project	<p>Agreed and noted for compliance.</p> <p>In compliance to the said condition, details are already submitted with the Half Yearly Compliance December 2023 vide ref no. RGHSPL/EC-SMC/DEC23/2023-24/01 dated 27.11.2023</p> <p>To ensure the environmental safeguards are</p>

	Proponent shall prepare and implement an action plan for environmental safeguard measures to minimise the impact on the habitation of the locals. The company shall also include some of these locations in its environmental monitoring programme.	implemented effectively, regular environmental monitoring like ambient air quality, water, noise carried out on regular basis of these villages.
v.	Digra Pond (3.30 km, W), Kajla Pond (1.85 km, NW), Paiknagari pond (3.25 km, E), Changua Pond (1.45 Km, SW), Midnapore High Level Canal (4.0 km, N), Kapaleshwari Khal (4.5 Km, SE), Kangsabati River (5.0 Km, N) and Jakala Nalla (2.5 Km, NW) exists within the study area of 10 km from the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.	<p>Complied/Being Complied With.</p> <p>In compliance to the said condition, details are already submitted and emailed along with the Half Yearly Compliance December 2023 vide ref no. RGHSPL/EC-SMC/DEC23/2023-24/01 dated 27.11.2023.</p>  <p>Photographs of drain inside plant</p> <p>The excavated top soil stacked with grass turf and used for backfilling/plantation. Topsoil used for greenbelt strengthening within the plant and its periphery, would help in restricting the impacts due to the construction activities by creating a physical barrier. The waste disposal area to be lined by impervious material. The raw material stock yard is having concrete impervious base to protect the soil below it. All stock piles will have a stable liner to avoid leaching of materials to ground water. The runoff and leachates from the raw materials stock yard and solid waste disposal yard respectively shall not be allowed to mix with storm water drainage. Provisions for</p>


		garland drain around raw materials stock yard & solid waste disposal yard and catch pit is being provided to trap run off material.
vi.	ESA's such as Griffins International School – 0.45 km & Khatranga School – 0.46 are in close proximity to the project site. Environmental safeguards as per the submitted EMP Plan for environmental sensitivity area shall be implemented.	<p>Agreed & being complied.</p> <p>The project is still under construction phase. The required Environmental Safeguard or Mitigation measures is being/will be taken up to provide a system in order to reduce, avoid or offset the potential adverse environmental consequences of the development activities.</p>
vii.	The water requirement of 11,000 m ³ /day, shall be met from the Surface Water (Kangsabati River) & Rainwater Harvesting Structure. Necessary permission from the Competent Authorities shall be obtained. PP shall explore the possibility of shifting to alternate source of water to reduce dependency on groundwater.	<p>Agreed and is Being Complied With.</p> <p>The industrial water requirement will be sourced from surface water (Kangsabati river), rain water harvesting pond and ground water (domestic water requirement only).</p> <p>Water Permission from Irrigation & water Department, West Bengal from Kangsabati River, and SWID, West Bengal are obtained. Permission copies submitted with the Half Yearly Compliance report December 2023 vide ref no. RGHSPL/EC-SMC/DEC23/2023-24/01 dated 27.11.2023.</p>
viii.	As committed, PP shall adopt 08 nos. of Villages namely Khatranga, Chakmakrampur, Jethia, Gopinathpur, Goyalara, Kajala, Changual & Radhanagar. PP shall formulate robust village Adoption program consisting of need-based community development activities, to develop them into model villages.	<p>Agreed and is being complied with</p> <p>M/s. Rashmi Green Hydrogen Steel Private Limited is also proposing to adopt the below mentioned 08 nos. of Villages as a part of Social welfare development based on need base assessment carried. The detail of villages are:</p> <ol style="list-style-type: none"> 1) Khatranga 2) Chakmakrampur 3) Jethia <p>RASHMI GREEN HYDROGEN STEEL PVT. LTD.</p> <p><i>Abhinav Singh</i></p>


		<p>4) Gopinathpur 5) Goyalara 6) Kajala 7) Changual & 8) Radhanagar</p> <p>₹ 45.0 Crores under the head of EMP for Social & Infrastructure development activities for implementation of the commitments made during Public Hearing & fulfilling the Need based activities as per MoEF&CC OM dated 30.09.2020 is earmarked and being utilized for development activities.</p>
ix.	<p>Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.</p>	<p>Agreed and being complied.</p> <p>The project is still in construction phase. Only Seamless pipe/tube plant of capacity 3,20,000 Ton/year and Coal gasifier plant of 31,500 Cum/Hr are in operation after obtain valid CTO from WBPCB. Application made to WBPCB for obtaining Consent to Operate for 0.6 million TPA Ductile Iron Pipe, Fittings and Accessories Plant vide online Application No. 5836524. Rest of the EC accorded facilities are yet to be implemented. Performance test shall be conducted and submitted to your good office.</p> <p>Latest stack emission report carried by NABL accredited laboratory for operational plant is enclosed as Annexure-I.</p>
x.	<p>Three tier Green Belt shall be developed in a at least 33% of total project area as per the submitted action plan with native species all along the periphery of the project site of adequate</p>	<p>Agreed and is being complied with.</p> <p>Thick Green belt to a width of 30 meters with a tree density of about 2500 trees/ha consisting of at least 3 tiers consisting of large trees, smaller trees and shrubs, whereas some grasses and flowering plants</p>

	width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises towards Khatranga (Adjacent to plant boundary, W), Gopinathpur (2.5 km, SE), Goalara (1.2 km, NE), Radhanagar (2.5 km, NNW) and Kharagpur (7.5 km, W) villages and other ESA's to act as green barrier for air pollution & noise levels. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.	are grown on lawns and garden. Greenbelt is being/will be developed as a green buffer for mitigating the impact towards the villages namely Khatranga towards West direction and towards North East direction of project site. The greenbelt development will be covered 35% of the project area. Around 92,075 numbers of trees which are resistant to pollutants, will be planted as per CPCB/MoEFCC, New Delhi guidelines. Till March 2024, about 85,000 numbers of trees have been planted. In the FY 2024-25 till September 2024, around 8,000 numbers of trees have been planted. Details of Greenbelt are annexed as Annexure-II. Around 34,636 saplings are planted under Plant 4 Mother campaign for the FY 24-25.
xi.	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	<p>Agreed and being complied.</p> <p>Greening and paving is being carried out in parallel with implementation of proposed project.</p>  <p>Paving of internal road and working area</p>
xii.	Solid waste utilization	
	a. PP shall install a slag crusher to convert steel slag into	<p>Noted</p> <p>Project is still in construction phase. The</p>



		aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.	plant will be designed to comply with the condition mentioned.
	b.	PP shall recycle/reuse solid waste generated in the plant as far as possible.	Agreed and noted for compliance.
	c.	Used refractories shall be recycled as far as possible.	Agreed and will be complied once the project comes in operation.
xiii.		Sinter Plant shall be equipped with Sinter cooler waste recovery system and suitable technology for control of dioxins and furans emissions from the plant.	Agreed and noted for compliance. Project is still in construction phase. Civil foundation erection work is in progress. Agreed and will be complied once the project comes in operation.
xiv.		Coke oven plant shall be equipped with modified wet quenching system.	Agreed & will be complied.
xv.		Tar shall be recovered from producer gas and shall be sold to registered processors.	Agreed and will be complied once the project comes in operation.
xvi.		Following additional arrangements to control fugitive dust shall be provided:	
	a.	Fog/Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.	Noted and will be Complied. Project is still in construction phase. Bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas are yet to be implemented.


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	b.	Proper covered vehicle shall be used while transport of materials.	<p>Agreed.</p> <p>Project proponent is following necessary precautionary step to control emission during transportation/movement of vehicles.</p> <ul style="list-style-type: none"> Trucks movement for transporting in fully covered way to avoid dust pollution. Speed of the vehicles to be regulated (20 km/hr) to control the fugitive dust emission from the roads.  <p>Trucks covered with industrial grade tarpaulin during movement</p>
	c.	Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.	Agreed and Will Be Complied.
xvii.		Blast Furnaces shall be equipped with Top Recovery Turbine (capacity more than 450 m ³), dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.	<p>Agreed and noted for compliance.</p> <p>Project is still in construction phase. Civil foundation erection work is in progress. Blast furnace will be equipped with Top Recovery Turbine and all other mentioned parameter will be complied.</p>
xviii.		Secondary fume extraction system shall be installed on converters of Steel Melting Shop.	Not applicable, as no Steel melting shop (Induction furnace) is proposed to be installed.
xix.		Basic Oxygen Furnace (BOF) gas shall be cleaned dry.	<p>Agreed and will be complied.</p> <p>Project is under construction phase. The plant will be designed to comply with the condition mentioned. The said condition</p>

		will be complied once the project comes in operation.
xx.	Electric Arc Furnace shall be closed type with 4 th hole extraction system.	Agreed and noted for compliance. Project is under construction phase. The plant will be designed to comply with the condition mentioned.
xxi.	85-90 % of billets shall be rolled directly in hot stage. RHF shall operate using only Light Diesel Oil or Mixed BF/CO gas/Producer gas.	Agreed and noted for compliance. Project is under construction phase. The plant will be designed to comply with the condition mentioned.
xxii.	Cold Rolling Mill (CRM), color coating and galvanizing plants shall have CETP to treat and recycle the treated water from CRM complex. Sludge generated at CRM ETP shall be sent to TSDF.	Agreed and will be complied once the project comes in operation. Effluent from process is getting treated in ETP plant and treated water is getting reused in plant process.  Effluent Treatment Plant area Acid recovery plant will be installed to recover acid.
xxiii.	Dust emission from all the stacks shall be less than 30 mg/Nm ³ .	Agreed and will be complied. As stated in S. No. i & ii, only Seamless pipe/tube plant of capacity 3,20,000 Ton/year and Coal gasifier plant of 31,500 Cum/Hr are in operation after obtain valid CTO from WBPCB. Latest stack emission report carried by NABL accredited laboratory for operation plant is enclosed as Annexure-I.
xxiv.	Air Cooled condensers shall be used in the captive power plant.	Agreed and noted for compliance. The said condition will be taken care of at

		the time of finalizing the plant/process design.
xxv.	During operational phase at Captive Power Plant, PP shall measure coal dust exposures and to maintain coal dust exposures within stipulated standards at coal handling areas. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.	Agreed and will be complied once the project comes in operation.
xxvi.	Ductile Iron (DI) plant shall have the following provisions:	
	a. Bag filter for Zn coating and Mg converter area.	<p>Agreed and noted for compliance.</p> <p>Application made to WBPCB for obtaining Consent to Operate for 0.6 million TPA Ductile Iron Pipe, Fittings and Accessories Plant vide online Application No. 5836524.</p>
	b. Wet scrubbers in paint and bitumen coating area.	
	c. Bag Filter in Cement lining area.	
	d. PTFE dipped bags shall be used in the plant.	
	e. PM emissions from BF in Zinc coating area shall be 5 mg/Nm ³ .	
	f. ETP with recycling facility shall be included.	
xxvii.	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.	<p>Agreed and being complied.</p> <p>Rainwater harvesting structure is already implemented.</p> <div data-bbox="817 1720 1401 1944" data-label="Image"> </div> <p>Photographs of the rainwater harvesting pond developed inside plant premises</p>

xxviii.	The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. MSW waste shall be treated in digester and recovered gas shall be used in the canteen.	<p>Agreed and noted for compliance.</p> <p>The project is still in construction phase. The plant is being designed as zero liquid discharge (ZLD). Treated domestic wastewater will be used for greenbelt development and dust suppression. ETP has been installed for operation seamless tube/pipe plant.</p>
xxix.	Action Plan for fire fighting system including provision for flame detectors, temperature actuated heat detectors with alarms, automatic sprinkler system, fixing the location of fire water tanks, separate power system for fire fighting, involvement of qualified and trained fire personnel, nearest fire station & time required to reach the proposed site shall be prepared and implemented.	<p>Agreed and is being complied with.</p> <div style="display: flex; justify-content: space-around;">   </div> <p>Fire extinguishers installed in plant</p>
xxx.	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	<p>Agreed and noted for compliance.</p> <p>Electronic wastes will be collected and given to authorized recyclers/ refurbished. Management of e-waste shall be done in line with the E-Waste (Management) Rules, 2016.</p>
xxxi.	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	<p>Is being complied with.</p> <p>All the commitments made to the public during the Public Hearing/Public Consultation and based on the social impact assessment study of the project as per the EMP is being implemented as per action plan submitted to the ministry. An amount of ₹ 1.1 Crores under EMP for social and infrastructure development has been spent till March 2024. CER activities</p>

	<p>implemented and progress shall be submitted to the Regional Office of MoEF&CC.</p>	<p>for the FY 2024-25 are under progress and details shall be submitted with June 1st 2025 compliance report.</p> 
xxxii.	<p>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</p>	<p>Agreed and noted for compliance.</p> <p>Single use plastic is banned & Posters & painting for use of Eco friendly Carry Bag has been displayed at various prominent areas for awareness of our employees, vendors & local people.</p>



	<p>(SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.</p>	
xxxiii.	<p>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</p>	<p>Agreed and being complied with.</p> <p>Project is under construction phase. The plant is being designed to comply with the condition mentioned. Dedicated water spraying tankers are being used for the suppression of fugitive emission. Greenbelt development is under process to control the fugitive emission.</p> <div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;">Mechanical sweeping machine</p>

	water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.		 <p style="text-align: center;">Water sprinkling on road</p>
S. No.	General Conditions		Compliance Status
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.
II.	Air quality monitoring and preservation		
	i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to	<p>Being Complied With.</p> <p>Procurement and installation of CEMS is done. Industry code registration done and our stations are integrated with CPCB server (Annexure-III). CAAQMS have already been purchased and installation will be done soon.</p> <p>Ambient air quality monitored at five locations viz., Gopinathpur Village, Near Plant Main Gate, Kaliachak Village, Goyalpur Village & Jethia Village by third party</p>

RASHMI GREEN HYDROGEN STEEL PVT. LTD.

Abhinav Singh
Director/Authorised Signatory

		standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act,1986 or NABL accredited laboratories.	<p>monitoring agency M/s Qualissure Laboratory Services, Kolkata which is NABL accredited laboratory. As per monitoring reports, emission levels are as follows:</p> <table><tr><th>Parameter</th><th>Gopinathpur Village</th><th>Near Plant Main Gate</th><th>Kaliachak Village</th><th>Goyalpur Village</th><th>Jethia Village</th></tr><tr><td>PM₁₀ (µg/m³)</td><td>38</td><td>57</td><td>40</td><td>29</td><td>34</td></tr><tr><td>PM_{2.5} (µg/m³)</td><td>17</td><td>25</td><td>19</td><td>10</td><td>12</td></tr><tr><td>SO₂ (µg/m³)</td><td>4.6</td><td>5.1</td><td>4.3</td><td><4.0</td><td>4.0</td></tr><tr><td>NO₂ (µg/m³)</td><td>19.8</td><td>23.9</td><td>17.2</td><td>16.3</td><td>17.1</td></tr><tr><td>CO (µg/m³)</td><td>459</td><td>618</td><td>458</td><td>446</td><td>435</td></tr><tr><td>O₃ (µg/m³)</td><td><19.6 2</td><td><19.6 62</td><td><19.62</td><td><19.6 2</td><td><19.6 62</td></tr></table> <p>Latest Ambient Air Quality Monitoring Analysis reports carried by NABL/MoEF accredited lab are attached in as Annexure-IV.</p>	Parameter	Gopinathpur Village	Near Plant Main Gate	Kaliachak Village	Goyalpur Village	Jethia Village	PM ₁₀ (µg/m ³)	38	57	40	29	34	PM _{2.5} (µg/m ³)	17	25	19	10	12	SO ₂ (µg/m ³)	4.6	5.1	4.3	<4.0	4.0	NO ₂ (µg/m ³)	19.8	23.9	17.2	16.3	17.1	CO (µg/m ³)	459	618	458	446	435	O ₃ (µg/m ³)	<19.6 2	<19.6 62	<19.62	<19.6 2	<19.6 62			
Parameter	Gopinathpur Village	Near Plant Main Gate	Kaliachak Village	Goyalpur Village	Jethia Village																																											
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O ₃ (µg/m ³)	<19.6 2	<19.6 62	<19.62	<19.6 2	<19.6 62																																											
	ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	<p>Being Complied with.</p> <p>Fugitive Emissions have been monitored at the three locations by third party monitoring agency which is NABL accredited laboratory. As per monitoring reports, emission levels are as follows:</p> <table><tr><th rowspan="2">Location</th><th rowspan="2">Parameter</th><th>Sep'24</th><th>Jun'24</th></tr><tr><th colspan="2">Result (µg/m³)</th></tr><tr><td rowspan="4">Seamless pipe area</td><td>TSPM</td><td>108</td><td>102.42</td></tr><tr><td>RSPM</td><td>63</td><td>59.28</td></tr><tr><td>SO₂</td><td>6.2</td><td>7.1</td></tr><tr><td>NO₂</td><td>24.1</td><td>27.36</td></tr><tr><td rowspan="4">Truck Parking Area</td><td>TSPM</td><td>121</td><td>166.32</td></tr><tr><td>RSPM</td><td>72</td><td>68.94</td></tr><tr><td>SO₂</td><td>7.3</td><td>8.04</td></tr><tr><td>NO₂</td><td>31.5</td><td>32.74</td></tr><tr><td rowspan="4">Construction Site</td><td>TSPM</td><td>98</td><td>94.18</td></tr><tr><td>RSPM</td><td>55</td><td>49.34</td></tr><tr><td>SO₂</td><td>6.8</td><td>7.23</td></tr><tr><td>NO₂</td><td>27.4</td><td>29.82</td></tr></table> <p>Fugitive Emissions monitoring report is enclosed as Annexure-V.</p>	Location	Parameter	Sep'24	Jun'24	Result (µg/m ³)		Seamless pipe area	TSPM	108	102.42	RSPM	63	59.28	SO ₂	6.2	7.1	NO ₂	24.1	27.36	Truck Parking Area	TSPM	121	166.32	RSPM	72	68.94	SO ₂	7.3	8.04	NO ₂	31.5	32.74	Construction Site	TSPM	98	94.18	RSPM	55	49.34	SO ₂	6.8	7.23	NO ₂	27.4	29.82
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	NO ₂	27.4	29.82																																													
	iii.	Sampling facility at process stacks and at quenching towers shall be	<p>Agreed and will be complied.</p> <p>Project is under construction phase. The plant will be designed to comply with the</p>																																													


		provided as per CPCB guidelines for manual monitoring of emissions.	condition mentioned. Sampling facility at for operational plant stacks has been provided
	iv.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	<p>Agreed and will be complied.</p> <p>As mentioned, the project is under construction phase, after obtaining valid NOC from WBPCB.</p> <p>Appropriate Air Pollution Control (APC) system is provided for some of the dust generating points including fugitive dust from all vulnerable sources, so as to comply with the prescribed stack emission and fugitive emission standards. For the other it will be provided as soon as the project comes into operation.</p>  <p>APC installed inside plant</p>
	v.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	<p>Agreed and noted for compliance.</p> <p>Leakage detection and mechanized bag cleaning facilities for better maintenance of bags will be provided for under construction project.</p>
	vi.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	<p>Agreed and is being complied.</p> <p>Dedicated water spraying tankers are being used for the suppression of fugitive emission. Greenbelt development is under process to control the fugitive emission.</p> 


	vii.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.	Agreed. Fines/dust collected from APC and vacuum cleaning devices of under construction project will be handled as per EIA/EMP plan submitted while getting EC.
	viii.	The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	Agreed. Project proponent will follow necessary precautionary step to control emission during transportation/movement of vehicles. <ul style="list-style-type: none"> • Trucks movement for transporting in fully covered way to avoid dust pollution. • Speed of the vehicles to be regulated (20 km/hr) to control the fugitive dust emission from the roads.
	ix.	Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility).	Noted and will be considered in design phase.
	x.	Land-based APC system shall be installed to control coke pushing emissions.	Noted and will be considered in design phase.
	xi.	Monitor CO, HC and O ₂ in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.	Agreed and noted for compliance. CO, HC and O ₂ in flue gases of the coke oven battery will be monitored to detect combustion efficiency and cross leakages in the combustion chamber.
	xii.	Vapor absorption system	Not applicable as non-recovery type coke

		shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.	oven with modified wet quenching is proposed to be installed.
	xiii.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	The raw material stock piles are covered with industrial grade taruplin and water is sprayed by movable water mist fog cannon system.
	xiv.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Noted and is being considered in design stage.
III.	Water quality monitoring and preservation		
	i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. 277(E) dated 31 st March 2012 (Integrated iron & Steel); 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.	<p>Agreed and is being complied with.</p> <p>The plant is being designed as Zero Liquid Discharge (ZLD) and 100% water is/will be recycled after treatment and is/will be used in process, dust suppression & green belt development. Procurement process of CEMS is under progress. CEMS procurement is under process.</p> <p>Effluent quality is being monitored at ETP inlet & Outlet by third party monitoring agency M/s Qualissure Laboratory Services, Kolkata which is NABL accredited laboratory. Latest effluent Monitoring Analysis reports carried by NABL/MoEF accredited lab are attached in as Annexure-VI.</p>


	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.	Monitoring of ground water quality carried by Qualissure Laboratory Services (NABL accredited lab.) in September 2024. Copy of the monitoring report is enclosed as Annexure-VII.
	iii.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Agreed and noted for compliance. The project is still in construction phase. Currently domestic waste water is being treated in septic tank followed by soak pit. Installation & commissioning of Sewage Treatment Plant shall be done in parallel with implementation of proposed project.
	iv.	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.	Agreed and noted for compliance. The project is still in construction phase.
	v.	Tyre washing facilities shall be provided at the entrance of the plant gates.	Agreed and noted for compliance. The project is still in construction phase.
	vi.	Water meters shall be provided at the inlet to all unit processes in the steel plants.	Being Complied With Water meter has been installed in the operational plant.

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			 <p>Photograph of water flow meter</p>
IV.	Noise monitoring and prevention		
	i.	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as part of six-monthly compliance report.	<p>Being complied with.</p> <p>Noise level has been monitored at work zone i.e., (Construction as well as operational plant area) by third party monitoring agency M/s Qualissure Laboratory Services, Kolkata which is a NABL accredited laboratory. Noise monitoring reports are attached as Annexure-VIII.</p>
V.	Energy Conservation measures		
	i.	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.	Noted and will be complied with during project implementation stage.
	ii.	Restrict Gas flaring to < 1 %.	Noted and will be complied with.
	iii.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;	<p>Agreed and will be complied with.</p> <p>Currently the project is under construction stage and solar internal street light is provided at potential area.</p>
	iv.	Provide LED lights in their offices and residential areas.	Being Complied With


			 <p>Photograph of the LED lights installed in plant</p> <p>Illumination intensity monitoring report is enclosed as Annexure-IX.</p>
	v.	Ensure installation of regenerative /recuperative type burners on all reheating furnaces.	Agreed and will be complied with during project implementation stage.
VI.	Waste Management		
	i.	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.	Noted and will be considered during design phase of Rolling mill.
	ii.	Kitchen waste shall be composted or converted to biogas for further use.	Being Complied With. Kitchen wastes are composted and are being used as manure for green belt development.
VII.	Green Belt		
	i.	Green belt shall be developed in an area equal to 33% of the plant area with native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant	<p>Agreed and is being complied with.</p> <p>Till March 2024, about 85,000 numbers of trees have been planted. In the FY 2024-25 till September 2024, around 8,000 numbers of trees have been planted. Details of Greenbelt are annexed as Annexure-II.</p> <p>Around 34,636 saplings are planted under Plant 4 Mother campaign for the FY 24-25.</p>

	ii.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration by trees in the plant premises.	Complied. In compliance to the said condition, report submitted with the Half Yearly Compliance Report December 2023 vides Ref no. RGHSPL/EC_SMC/DEC23/2023-24/01 dated 27.11.2023.
	iii.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.	Reply to the subject condition is already stated in point no. iii under Specific Conditions.
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. HIRA report and Disaster Management Plan have been prepared by NABET accredited consultant and copy of the same is submitted with the Half Yearly Compliance Report December 2023 vide Ref no.

			RGHSPL/EC_SMC/DEC23/2023-24/01 dated 27.11.2023.
	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.	<p>Agreed and being complied.</p> <p>Proper PPEs are provided to the worker. Without proper PPEs no one is allowed to work inside the plant premises. Safety awareness campaigns organised inside the plant premises with the objective of demonstrating the use of PPEs in different work zone and explaining the benefit of using PPEs.</p>  <p>Photographs of tool box talk and PPEs</p>
	iii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	<p>Being Complied.</p> <p>The occupational health surveillance of the workers employed during operation & construction phase has been done and records are maintained as per the Factories Act.</p>
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.	Noted and being complied.
	ii.	The company shall have a well laid down	Complied

		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>The company has a well laid down environmental policy duly approved by the board of directors.</p> <p>Copy of corporate environmental policy is already submitted with the Half Yearly Compliance Report December 2023 vide Ref no. RGHSPL/EC_SMC/DEC23/2023-24/01 dated 27.11.2023.</p>
	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>Complied.</p> <p>A separate Environmental Cell both at project and company head quarter is in place. Copy of corporate environmental policy is already submitted with the Half Yearly Compliance Report December 2023 vide Ref no. RGHSPL/EC_SMC/DEC23/2023-24/01 dated 27.11.2023.</p>
X.	Miscellaneous		
	i.	The project proponent shall	Complied.

		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>Details for the said condition are already submitted to the Ministry along with the Half Yearly Compliance Report for the period of April 2023 to September 2023 vide Ref. no. RGHSPL/EC_SMC/DEC23/2023- 24/01 dated 27.11.2023.</p> <p>Copy of the EC uploaded on company's website https://www.rashmiseamless.com/quality/</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.	<p>Complied.</p> <p>Details for the said condition were already submitted to ministry with the Half yearly Compliance Report for the period of April 2023 to September 2023 submitted vide Ref. no. RGHSPL/EC_SMC/DEC23/2023- 24/01 dated 27.11.2023.</p>
	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>Is being complied with.</p> <p>In respect to the said condition, this Half Yearly Compliance report is being submitted. Copy of the half yearly compliance report has been uploaded on company's website https://www.rashmiseamless.com/quality/ and is regularly updated.</p>

	iv.	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (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.	<p>Is being complied with.</p> <p>Copy of the half yearly compliance report along with monitoring report has been uploaded on company's website https://www.rashmiseamless.com/quality/ and is regularly updated.</p> <p>Display board is installed at main gate of the company in parallel with implementation of the project.</p>  <p style="text-align: center;">Display Board</p>
	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.	<p>Is being complied with.</p> <p>The last compliance report for the period October 2023 to March 2024 has been submitted to ministry vide letter no. RGHSPL/EC_Compliance/JUNE24 dated 24.05.2024 through email 25.05.2024 and uploaded on Parivesh Portal having Compliance ID 70075854 dated 24.05.2024.</p>
	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	<p>Agreed and will be complied.</p> <p>Form-V is submitted for the financial year 2023-24 vide reference no. RGHSPL/ENV_Statement_23-24/2024-25/01 dated 24.09.2024, and uploaded on company's website</p>

		amended subsequently and put on the website of the company.	
	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.	Noted. The company is a private company and no finance is needed from outside. Land development work has been started after getting NOC from WBPCB.
	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.	Agreed and Noted for compliance.
	ix.	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).	Agreed and Noted for compliance.
	x.	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	Agreed and is being complied with.

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		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.	
	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.	Agreed and Noted for compliance.
8.		The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Agreed and noted for compliance.
9.		Concealing factual data or submission of false/fabricated data and failure to comply with	Agreed and noted.

	any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	
10.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Agreed and noted.
11.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.	Noted.

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TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-96/24-25/C/13
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date : 24.09.2024
Khatranga, Changuai, Gopinathpur	Sample No. : QLS/P-96/24-25/13
Kharagpur,	Sample Description : Stack Flue Gas
Paschim Mednipur,	Date of performance : 19.09.2024-23.09.2024
West Bengal-721301	Ref No. Date : 5400024207, Dated – 26.08.2024

Analysis Result

Date & Time of Sampling : 18.09.2024 at 11:30 hrs.		Sampling Procedures : EPA/IS	
Sampling done by : C.Sahoo			
A : General Information of Stack:			
1	Stack connected to	: Coal Gas Fired Reheating Furnace-2	
2	Emission due to	: Burning of Coal Gas	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: 4 MT/hr.	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 35.0 m	
2	Diameter of Stack at bottom	: ---	
3	Diameter of Stack at sampling point	: 0.85 m	
4	Height of the sampling point from ground level	: 17.0 m	
5	Area of Stack	: 0.5676 m ²	
C : Analysis/Characteristic of Stack:			
1	Fuel used : Coal Gas	2. Fuel consumption : 2450 Nm ³ /hr	
D : Results of Sampling & Analysis of gaseous Emission:			
		RESULT	METHOD
1	Temperature of emission (°C)	: 273	EPA Part 2
2	Barometric pressure (mm of Hg)	: 760	EPA Part 2
3	Velocity of gas (m/sec)	: 9.86	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 10994	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: 6.8	IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 8.2	EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 32.3	EPA Part-7
9	Concentration of Particulate Matter (mg/Nm ³)	: 21	EPA Part-5
E : Pollution Control Device :			
Details of pollution control devices attached with the stack		: Nil	
F : Remarks: Sample taken from final exhaust			

Report Prepared By:

[Signature]

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

----- End of the Report -----

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced without the permission of Qualissure Laboratory Services.
- The reserved part of sample(s), except perishable sample(s), shall be retained for 30 days from the date of issue of the Test Report.



TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-96/24-25/C/14
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date : 24.09.2024
Khatranga, Changuai, Gopinathpur	Sample No. : QLS/P-96/24-25/14
Kharagpur,	Sample Description : Stack Flue Gas
Paschim Mednipur,	Date of performance : 19.09.2024-23.09.2024
West Bengal-721301	Ref No. Date : 5400024207, Dated – 26.08.2024

Analysis Result

Date & Time of Sampling : 18.09.2024 at 12:30 hrs.		Sampling Procedures : EPA/IS	
Sampling done by : C.Sahoo			
A : General Information of Stack:			
1	Stack connected to	: Hot Water Generator	
2	Emission due to	: Coal Gas	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: 25 Ton	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 35.0 m	
2	Diameter of Stack at bottom	: ----	
3	Diameter of Stack at sampling point	: 1.0 m	
4	Height of the sampling point from ground level	: 17.0 m (approx)	
5	Area of Stack	: 0.7857 m ²	
C : Analysis/Characteristic of Stack:			
1	Fuel used : Woodchips	2. Fuel consumption : 500kg/Hr	
D : Results of Sampling & Analysis of gaseous Emission:		RESULT	METHOD
1	Temperature of emission (°C)	: 57	EPA Part 2
2	Barometric pressure (mm of Hg)	: 760	EPA Part 2
3	Velocity of gas (m/sec)	: 6.48	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 16550	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: 9.0	IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 16.0	EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 27.1	EPA Part-7
9	Concentration of Particulate Matter (mg/Nm ³)	: 18	EPA Part-5
E : Pollution Control Device :			
Details of pollution control devices attached with the stack		: Cyclone Separator	
F : Remarks: Sample taken from final exhaust			

Report Prepared By :

Paulan

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Goral, Chemist
(Authorized Signatory)

----- End of the Report -----

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FORMAT FOR PROVIDING PARTICULARS ON GREEN BELT/PLANTATION
UNDER E (P) ACT 1986

1 a)	Name of the Project :	M/s Rashmi Green Hydrogen Steel Private Limited-Proposed an Integrated Steel Plant of 3.1 million Ton per annum (Finished Steel) along with 230 MW (80 MW WHRB/TRT based + 150 MW coal based) Captive Power Plant
1 b)	Environment Clearance Nos. :	EC Identification no. EC23A008WB113189 issued vide File No. IA-J-11011/102/2022-IA-II(IND-I) dated 07/03/2023
2	Location, Block/ Sub. Divn. / Dist/ State:	Mouza – Changual (J.L. No-360), Jethia (J.L. No-361),Khatranga(J.L. No-362), Gopinathpur (J.L. No. 359) and Goyalara (J.L. No. 391),P.S. – Kharagpur (Local), Dist. – Paschim Medinipur ,West Bengal
3	Address for communication :	9, AJC Bose Road, 1 st Floor, Ideal Center Kolkata, West Bengal-700017
4	Existing vegetation in the area/ region	Industrial land
	a Species (trees/shrubs/grasses/climbers)	Vacant land
	b Major prevalent species of each type	Not Applicable
5	Land coverage by the project	
	a Total area under the project	112.10 ha (105.22 ha Plant area)
	b Area covered for basic infrastructure (roads/building/factory etc.)	Project is still in construction phase after obtaining valid NOC from WBPCB.
6	Details about natural vegetation	Industrial Land
	a Name and number of tree/species felled	NA
	b Name and number of plant species still available in the area	NA
	c By protecting the area will indigenous stock come up	NA
	d Extent of greenbelt developed	NA
7	Plantations required to be carried out as per	
	a Conditions of Environmental Clearance in ha./ Nos.	36.83 ha (35% of 105.22 ha)
	b Conditions for Forest act (c) clearance in ha./ Nos.	Not Applicable
	c Voluntarily in acres (truck parking area etc.)	1,350 nos. alongside the road corridor.
	d Voluntarily in no. for green	Around 34,636 saplings are planted under Plant 4

	belt development in nearby area	Mother campaign for the FY 24-25
8	Details of plantations	

	A	Plantation details (category wise & methodology used)	Year of plantation	Nos.			
	b	Survival of plantation		FY 2022-2023	FY 2023-2024	FY 2024-2025 (Till September 2024)	
		- Total Seedling/Plantation (No.)		5,000	80,000	8,000	
		- Survival Trees (No) as on date from date of EC		4,400	76,000	7,600	
		- Survival		88.0%	95.0%	95.0%	
	Total no. of plant			88,000			
9.	Future Plan on Green Belt development			Greenbelt development over an area of 36.83 hectares i.e., 35.0% areas of total plant premises will be done within the given time frame			
10.	Agency carrying out plantation and maintenance			Our own horticulture department & third party			
11.	Financial details (year wise) plantation wise and item wise			S. No.	Year	Fund allocated (₹)	Expenditure including voluntary tree plantation cost (₹)
				1	2023-24	20,00,000	20,30,000
				2	2024-25	10,00,000	-



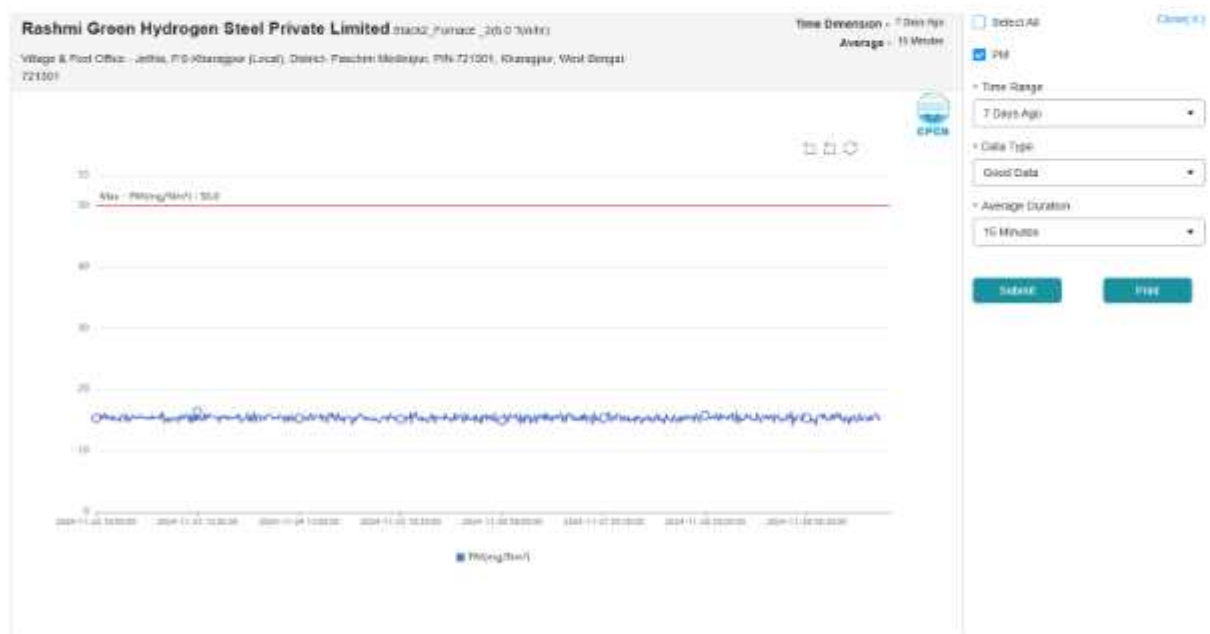


PHOTOGRAPHS OF THE GREENBELT DEVELOPED INSIDE THE PLANT

Stack 1



Stack 2





DOC NO : QLS/SAMP/08-A/00

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-96/24-25/C/01
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date : 24.09.2024
Khatranga, Changuai, Gopinathpur	Sample No. : QLS/P-96/24-25/01
Kharagpur,	Sample Description : Ambient Air
Paschim Mednipur,	Date of performance : 19.09.2024-23.09.2024
West Bengal-721301	Ref No. Date : 5400024207, Dated - 26.08.2024

Analysis Result

Location : Gopinathpur Village			Date of sampling : 17.09.2024-18.09.2024	
Sampling Done by: R.Sardar/C.Sahoo			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Rainfall				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m³	38	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m³	17	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO₂) in µg/m³	4.6	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO₂) in µg/m³	19.8	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m³	459	2000	IS: 5182 (Part- 10)- (RA-2017)
6	Ozone (O₃) in µg/m³	<19.62	180	Air Sampling, 3 rd Edn -Method-411
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

Barbar

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Goral, Chemist
(Authorized Signatory)



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DOC NO : QLS/SAMP/08-A/00

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/P-96/24-25/C/02
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date	: 24.09.2024
Khatranga, Changuai, Gopinathpur	Sample No.	: QLS/P-96/24-25/02
Kharagpur,	Sample Description	: Ambient Air
Paschim Mednipur,	Date of performance	: 19.09.2024-23.09.2024
West Bengal-721301	Ref No. Date	: 5400024207, Dated – 26.08.2024

Analysis Result

Location : Near Plant Main Gate			Date of sampling : 17.09.2024-18.09.2024	
Sampling Done by: R.Sardar/C.Sahoo			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Rainfall				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m³	57	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m³	25	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO₂) in µg/m³	5.1	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO₂) in µg/m³	23.9	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m³	618	2000	IS: 5182 (Part- 10)- (RA-2017)
6	Ozone (O₃) in µg/m³	<19.62	180	Air Sampling, 3 rd Edn -Method-411
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

Barkhan

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gora, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-96/24-25/C/03
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date : 24.09.2024
Khatranga, Changual, Gopinathpur	Sample No. : QLS/P-96/24-25/03
Kharagpur,	Sample Description : Ambient Air
Paschim Mednipur,	Date of performance : 19.09.2024-23.09.2024
West Bengal-721301	Ref No. Date : 5400024207, Dated - 26.08.2024

Analysis Result

Location : Kaliachak Village			Date of sampling : 18.09.2024-19.09.2024	
Sampling Done by: R.Sardar/C.Sahoo			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Rainfall				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m³	40	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m³	19	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO₂) in µg/m³	4.3	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO₂) in µg/m³	17.2	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m³	458	2000	IS: 5182 (Part- 10)- (RA-2017)
6	Ozone (O₃) in µg/m²	<19.62	180	Air Sampling, 3 rd Edn -Method-411
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

Barkhan

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd. Khatranga, Changual, Gopinathpur Kharagpur, Paschim Medinipur, West Bengal-721301	Report No. : QLS/P-96/24-25/C/04 Date : 24.09.2024 Sample No. : QLS/P-96/24-25/04 Sample Description : Ambient Air Date of performance : 19.09.2024-23.09.2024 Ref No. Date : 5400024207, Dated - 26.08.2024
--	---

Analysis Result

Location : Goyalpur Village			Date of sampling : 18.09.2024-19.09.2024	
Sampling Done by: R.Sardar/C.Sahoo			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Rainfall				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m³	29	100	IS: 5182 {Part-23}-(RA-2017)
2	Particulate matter {<2.5µm) in µg/m³	10	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO₂) in µg/m³	<4.0	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO₂) in µg/m³	16.3	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m³	446	2000	IS: 5182 (Part- 10)- (RA-2017)
6	Ozone (O₃) in µg/m³	<19.62	180	Air Sampling, 3 rd Edn -Method-411
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

Signature

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Goral, Chemist
(Authorized Signatory)

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DOC NO : QLS/SAMP/08-A/00

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-96/24-25/C/05
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date : 24.09.2024
Khatranga, Changual, Gopinathpur	Sample No. : QLS/P-96/24-25/05
Kharagpur,	Sample Description : Ambient Air
Paschim Mednipur,	Date of performance : 19.09.2024-23.09.2024
West Bengal-721301	Ref No. Date : 5400024207, Dated – 26.08.2024

Analysis Result

Location : Jethia Village		Date of sampling : 18.09.2024-19.09.2024		
Sampling Done by: R.Sardar/C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Rainfall				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m³	34	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m³	12	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO₂) in µg/m³	4.0	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO₂) in µg/m³	17.1	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m³	435	2000	IS: 5182 (Part- 10)- (RA-2017)
6	Ozone (O₃) in µg/m³	<19.62	180	Air Sampling, 3 rd Edn -Method-411
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

Ravi Var

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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DOC NO : QLS/SAMP/08-A/00

TEST REPORT

Name & Address Of the Customer:	Report No. : QLS/P-96/24-25/C/09
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date : 24.09.2024
Khatranga, Changuai, Gopinathpur	Sample No. : QLS/P-96/24-25/09
Kharagpur,	Sample Description : Work Zone Monitoring
Paschim Medinipur,	Date of performance : 19.09.2024-23.09.2024
West Bengal-721301	Ref No. Date : 5400024207, Dated - 26.08.2024

Analysis Result

Location : Construction Site		Date of sampling : 17.09.2024	
Sampling Done by: C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Rainfall			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	98	IS 5182 : Part 4-1999, (RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	55	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	6.8	IS: 5182 (Part-2)-2001, (RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	27.4	IS: 5182 (Part-6)-2012
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

P. S. Sahoo

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Borai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer:	Report No.	: QLS/P-96/24-25/C/10
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date	: 24.09.2024
Khatranga, Changual, Gopinathpur	Sample No.	: QLS/P-96/24-25/10
Kharagpur,	Sample Description	: Work Zone Monitoring
Paschim Medinipur,	Date of performance	: 19.09.2024-23.09.2024
West Bengal-721301	Ref No. Date	: 5400024207, Dated - 26.08.2024

Analysis Result

Location : Truck Parking Area		Date of sampling : 17.09.2024	
Sampling Done by: C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Rainfall			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	121	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	72	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.3	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	31.5	IS: 5182 (Part- 6)-2012
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

Rakha

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai
Benimadhab Gorai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer:	Report No.	: QLS/P-96/24-25/C/11
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date	: 24.09.2024
Khatranga, Changuai, Gopinathpur	Sample No.	: QLS/P-96/24-25/11
Kharagpur,	Sample Description	: Work Zone Monitoring
Paschim Medinipur,	Date of performance	: 19.09.2024-23.09.2024
West Bengal-721301	Ref No. Date	: 5400024207, Dated - 26.08.2024

Analysis Result

Location : Seamless Pipe Area		Date of sampling : 18.09.2024	
Sampling Done by: C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Rainfall			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	108	IS 5182 : Part 4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	63	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	6.2	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	24.1	IS: 5182 (Part- 6)-2012
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

[Signature]

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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DOC NO : QLS/SAMP/08-D/00

TEST REPORT

Name & Address Of the Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd. Khatranga, Changual, Gopinathpur Kharagpur, Paschim Mednipur, West Bengal-721301	Report No.	: QLS/P-96/24-25/C/19
	Date	: 01.10.2024
	Sample No.	: QLS/P-96/24-25/19
	Sample Description	: Effluent
	Sample Mark	: ETP Inlet
	Sample Drawn On	: 18.09.2024
	Date of Performance	: 19.09.2024-28.09.2024
	Ref No. Date	: 5400024207, Dated – 26.08.2024

Analysis Result

Sl. No.	Parameter	TEST METHOD	Result	Limit as per CPCB for discharge of effluents	
				Inland Surface Water	Public Sewers
1.	pH at 25° C	APHA 24 th Edition-2023, 4500 H+	6.52	5.5 to 9.0	5.5 to 9.0
2.	Total Suspended Solid(as TSS) in mg/l	APHA 24 th Edition-2023, 2540 D	84	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	307	250	---
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2019	76	30	350
5.	Oil & Grease in mg/l	APHA 24 th Edition-2023, 5520B	10.2	10	20

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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DOC NO : QLS/SAMP/08-D/00

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/P-96/24-25/C/20
	Date	: 01.10.2024
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd. Khatranga, Changuai, Gopinathpur Kharagpur, Paschim Mednipur, West Bengal-721301	Sample No.	: QLS/P-96/24-25/20
	Sample Description	: Effluent
	Sample Mark	: ETP Outlet
	Sample Drawn On	: 18.09.2024
	Date of Performance	: 19.09.2024-28.09.2024
	Ref No. Date	: 5400024207, Dated – 26.08.2024

Analysis Result

Sl. No.	Parameter	TEST METHOD	Result	Limit as per CPCB for discharge of effluents	
				Inland Surface Water	Public Sewers
1.	pH at 25° C	APHA 24 th Edition-2023, 4500 H+	7.63	5.5 to 9.0	5.5 to 9.0
2.	Total Suspended Solid(as TSS) in mg/l	APHA 24 th Edition-2023, 2540 D	24	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	77	250	---
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2019	20	30	350
5.	Oil & Grease in mg/l	APHA 24 th Edition-2023, 5520B	<1.4	10	20

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627124000001820F
	Report No.	: QLS/P-96/24-25/C/15
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd. Khatranga, Changual, Gopinathpur Kharagpur, Paschim Medinipur, West Bengal-721301	Date	: 01.10.2024
	Sample No.	: QLS/P-96/24-25/15
	Sample Description	: Drinking Water
	Sample Mark	: Producer Gas Plant
	Sample Drawn On	: 18.09.2024
	Date of performance	: 19.09.2024-28.09.2024
	Ref No. & Date	: 5400024207, Dated – 26.08.2024

Analysis Result

(A) Microbiological Analysis

Sl. No.	Characteristic	Limit as per IS 10500: 2012 Amd. 2	Test Method	Result
1.	Total Coliform Bacteria/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected
2.	E Coli/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected

(B) Chemical Analysis

Sl. No.	Test Parameter	Test Method	IS 10500:2012 Amd. No. 1 & 2		Result
			Acceptable Limit	Permissible Limit	
1.	Colour in Hazen Units	IS 3025 (Part 4): 2021	5	15	<5
2.	Odour	IS 3025 (Part 5): 2022	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 2022	6.5-8.5	No Relaxation	7.21
4.	Turbidity in NTU	IS 3025 (Part 10): 2023	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 2023	500	2000	246
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2019)	0.03	0.2	<0.01
7.	Ammonia (as NH ₃) in mg/l	IS 3025 (Part 34): 1988(RA 2019)	0.5	No Relaxation	<0.5
8.	Calcium(as Ca) in mg/l	IS 3025 (Part 40): 2023	75	200	39.2
9.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2019)	250	1000	45.0
10.	Copper(as Cu) in mg/l	IS 3025 (Part 42): 1992(RA 2019)	0.05	1.5	<0.02
11.	Fluoride(as F) in mg/l	APHA 24 th Edition 2023, 4500 F D	1.0	1.5	<0.1
12.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 2021	0.2	1.0	<0.1
13.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988(RA 2019)	1.0	No Relaxation	0.42
14.	Magnesium (as Mg) in mg/l	APHA 24 th Edition 2023, 3500 Mg B	30	100	16.9
15.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2023	0.1	0.3	<0.02
16.	Nitrate (as NO ₃) in mg/l	IS 3025 (Part 34): 1988(RA 2019)	45	No Relaxation	<0.5
17.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): Sec1, 2022	200	400	23.2
18.	Alkalinity(as CaCO ₃) in mg/l	IS 3025 (Part 23): 2023	200	600	184.0
19.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2009 (RA 2019)	200	600	168.6
20.	Cadmium(as Cd) in mg/l	IS 3025 (Part 41): 2023	0.003	No Relaxation	<0.002
21.	Cyanide(as Cn) in mg/l	IS 3025 (Part 27): 1986(RA 2019)	0.05	No Relaxation	<0.02
22.	Lead(as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2019)	0.01	No Relaxation	<0.01
23.	Mercury(as Hg) in mg/l	IS 3025 (Part 48): 1994(RA 2019)	0.001	No Relaxation	<0.001
24.	Arsenic(as As) in mg/l	IS 3025 (Part 37): 2022	0.01	No Relaxation	<0.01
25.	Zinc(as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2019)	5	15	0.09
26.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014 (RA 2019)	0.05	No Relaxation	<0.05

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized ByS. Chakraborty
Soumy Chakraborty, Microbiologist
(Authorized Signatory)

-----End of the Report-----

for Qualissure Laboratory Services
Reviewed & Authorized ByBishnupriya Banerjee, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627124000001821F
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Report No.	: QLS/P-96/24-25/C/16
Khatranga, Changual, Gopinathpur	Date	: 01.10.2024
Kharagpur,	Sample No.	: QLS/P-96/24-25/16
Paschim Mednipur,	Sample Description	: Drinking Water
West Bengal-721301	Sample Mark	: Near STP Area
	Sample Drawn On	: 18.09.2024
	Date of performance	: 19.09.2024-28.09.2024
	Ref No. & Date	: 5400024207, Dated – 26.08.2024

Analysis Result

(A) Microbiological Analysis

Sl. No.	Characteristic	Limit as per IS 10500: 2012 Amd. 2	Test Method	Result
1.	Total Coliform Bacteria/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected
2.	E Coli/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected

(B) Chemical Analysis

Sl. No.	Test Parameter	Test Method	IS 10500:2012 Amd. No. 1 & 2		Result
			Acceptable Limit	Permissible Limit	
1.	Colour in Hazen Units	IS 3025 (Part 4): 2021	5	15	<5
2.	Odour	IS 3025 (Part 5): 2022	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 2022	6.5-8.5	No Relaxation	7.19
4.	Turbidity in NTU	IS 3025 (Part 10): 2023	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 2023	500	2000	266
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2019)	0.03	0.2	<0.01
7.	Ammonia as NH ₃ in mg/l	IS 3025 (Part 34): 1988(RA 2019)	0.5	No Relaxation	<0.5
8.	Calcium(as Ca) in mg/l	IS 3025 (Part 40): 2023	75	200	42.3
9.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2019)	250	1000	50.9
10.	Copper(as Cu) in mg/l	IS 3025 (Part 42): 1992(RA 2019)	0.05	1.5	<0.02
11.	Fluoride(as F) in mg/l	APHA 24 th Edition 2023, 4500 F.D	1.0	1.5	0.31
12.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 2021	0.2	1.0	<0.1
13.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988(RA 2019)	1.0	No Relaxation	0.58
14.	Magnesium (as Mg) in mg/l	APHA 24 th Edition 2023, 3500 Mg B	30	100	20.7
15.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2023	0.1	0.3	<0.02
16.	Nitrate (as NO ₃) in mg/l	IS 3025 (Part 34): 1988(RA 2019)	45	No Relaxation	0.76
17.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): Sec1, 2022	200	400	32.1
18.	Alkalinity(as CaCO ₃) in mg/l	IS 3025 (Part 23): 2023	200	600	168.0
19.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2009 (RA 2019)	200	600	192.1
20.	Cadmium(as Cd) in mg/l	IS 3025 (Part 41): 2023	0.003	No Relaxation	<0.002
21.	Cyanide(as Cn) in mg/l	IS 3025 (Part 27): 1986(RA 2019)	0.05	No Relaxation	<0.02
22.	Lead(as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2019)	0.01	No Relaxation	<0.01
23.	Mercury(as Hg) in mg/l	IS 3025 (Part 48): 1994(RA 2019)	0.001	No Relaxation	<0.001
24.	Arsenic(as As) in mg/l	IS 3025 (Part 37): 2022	0.01	No Relaxation	<0.01
25.	Zinc(as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2019)	5	15	<0.1
26.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014 (RA 2019)	0.05	No Relaxation	<0.05

Report Prepared By:

S. Chakraborty

for Qualissure Laboratory Services
Reviewed & Authorized By

S. Chakraborty
Soumy Chakraborty, Microbiologist
(Authorized Signatory)

-----End of the Report-----

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee
Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd. Khatranga, Changual, Gopinathpur Kharagpur, Paschim Mednipur, West Bengal-721301	ULR No. : TC627124000001822F Report No. : QLS/P-96/24-25/C/17 Date : 01.10.2024 Sample No. : QLS/P-96/24-25/17 Sample Description : Drinking Water Sample Mark : Hotmail Area Sample Drawn On : 18.09.2024 Date of performance : 19.09.2024-28.09.2024 Ref No. & Date : 5400024207, Dated – 26.08.2024
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Analysis Result

(A) Microbiological Analysis

Sl. No.	Characteristic	Limit as per IS 10500: 2012 Amd. 2	Test Method	Result
1.	Total Coliform Bacteria/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected
2.	E Coli/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected

(B) Chemical Analysis

Sl. No.	Test Parameter	Test Method	IS 10500:2012 Amd. No. 1 & 2		Result
			Acceptable Limit	Permissible Limit	
1.	Colour in Hazen Units	IS 3025 (Part 4): 2021	5	15	<5
2.	Odour	IS 3025 (Part 5): 2022	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 2022	6.5-8.5	No Relaxation	7.79
4.	Turbidity in NTU	IS 3025 (Part 10): 2023	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 2023	500	2000	272
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2019)	0.03	0.2	<0.01
7.	Ammonia as NH ₃ in mg/l	IS 3025 (Part 34): 1988(RA 2019)	0.5	No Relaxation	<0.5
8.	Calcium(as Ca) in mg/l	IS 3025 (Part 40): 2023	75	200	40.8
9.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2019)	250	1000	47.0
10.	Copper(as Cu) in mg/l	IS 3025 (Part 42): 1992(RA 2019)	0.05	1.5	<0.02
11.	Fluoride(as F) in mg/l	APHA 24 th Edition 2023, 4500 F.D	1.0	1.5	0.19
12.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 2021	0.2	1.0	<0.1
13.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988(RA 2019)	1.0	No Relaxation	0.51
14.	Magnesium (as Mg) in mg/l	APHA 24 th Edition 2023, 3500 Mg B	30	100	20.7
15.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2023	0.1	0.3	<0.02
16.	Nitrate (as NO ₃) in mg/l	IS 3025 (Part 34): 1988(RA 2019)	45	No Relaxation	0.72
17.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): Sec1, 2022	200	400	27.2
18.	Alkalinity(as CaCO ₃) in mg/l	IS 3025 (Part 23): 2023	200	600	172.0
19.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2009 (RA 2019)	200	600	188.2
20.	Cadmium(as Cd) in mg/l	IS 3025 (Part 41): 2023	0.003	No Relaxation	<0.002
21.	Cyanide(as Cn) in mg/l	IS 3025 (Part 27): 1986(RA 2019)	0.05	No Relaxation	<0.02
22.	Lead(as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2019)	0.01	No Relaxation	<0.01
23.	Mercury(as Hg) in mg/l	IS 3025 (Part 48): 1994(RA 2019)	0.001	No Relaxation	<0.001
24.	Arsenic(as As) in mg/l	IS 3025 (Part 37): 2022	0.01	No Relaxation	<0.01
25.	Zinc(as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2019)	5	15	<0.1
26.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014 (RA 2019)	0.05	No Relaxation	<0.05

Report Prepared By:

[Signature]

for Qualissure Laboratory Services
Reviewed & Authorized By

[Signature]
Soumy Chakraborty, Microbiologist
(Authorized Signatory)
-----End of the Report-----

for Qualissure Laboratory Services
Reviewed & Authorized By

[Signature]
Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd. Khatranga, Changual, Gopinathpur Kharagpur, Paschim Medinipur, West Bengal-721301	ULR No.	: TC627124000001823F
	Report No.	: QLS/P-96/24-25/C/18
	Date	: 01.10.2024
	Sample No.	: QLS/P-96/24-25/18
	Sample Description	: Drinking Water
	Sample Mark	: Tooring Office
	Sample Drawn On	: 18.09.2024
	Date of performance	: 19.09.2024-28.09.2024
	Ref No. & Date	: 5400024207, Dated – 26.08.2024

Analysis Result

(A) Microbiological Analysis

Sl. No.	Characteristic	Limit as per IS 10500: 2012 Amd. 2	Test Method	Result
1.	Total Coliform Bacteria/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected
2.	E Coli/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected

(B) Chemical Analysis

Sl. No.	Test Parameter	Test Method	IS 10500:2012 Amd. No. 1 & 2		Result
			Acceptable Limit	Permissible Limit	
1.	Colour in Hazen Units	IS 3025 (Part 4): 2021	5	15	<5
2.	Odour	IS 3025 (Part 5): 2022	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 2022	6.5-8.5	No Relaxation	7.65
4.	Turbidity in NTU	IS 3025 (Part 10): 2023	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 2023	500	2000	262
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2019)	0.03	0.2	<0.01
7.	Ammonia as NH ₃ in mg/l	IS 3025 (Part 34): 1988(RA 2019)	0.5	No Relaxation	<0.5
8.	Calcium(as Ca) in mg/l	IS 3025 (Part 40): 2023	75	200	37.6
9.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2019)	250	1000	43.1
10.	Copper(as Cu) in mg/l	IS 3025 (Part 42): 1992(RA 2019)	0.05	1.5	<0.02
11.	Fluoride(as F) in mg/l	APHA 24 th Edition 2023, 4500 F.D	1.0	1.5	0.32
12.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 2021	0.2	1.0	<0.1
13.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988(RA 2019)	1.0	No Relaxation	0.71
14.	Magnesium (as Mg) in mg/l	APHA 24 th Edition 2023, 3500 Mg B.	30	100	19.8
15.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2023	0.1	0.3	<0.02
16.	Nitrate (as NO ₃) in mg/l	IS 3025 (Part 34): 1988(RA 2019)	45	No Relaxation	0.84
17.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): Sec1, 2022	200	400	26.5
18.	Alkalinity(as CaCO ₃) in mg/l	IS 3025 (Part 23): 2023	200	600	188.0
19.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2009 (RA 2019)	200	600	176.4
20.	Cadmium(as Cd) in mg/l	IS 3025 (Part 41): 2023	0.003	No Relaxation	<0.002
21.	Cyanide(as Cn) in mg/l	IS 3025 (Part 27): 1986(RA 2019)	0.05	No Relaxation	<0.02
22.	Lead(as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2019)	0.01	No Relaxation	<0.01
23.	Mercury(as Hg) in mg/l	IS 3025 (Part 48): 1994(RA 2019)	0.001	No Relaxation	<0.001
24.	Arsenic(as As) in mg/l	IS 3025 (Part 37): 2022	0.01	No Relaxation	<0.01
25.	Zinc(as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2019)	5	15	<0.1
26.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014 (RA 2019)	0.05	No Relaxation	<0.05

Report Prepared By:

[Signature]

for Qualissure Laboratory Services
Reviewed & Authorized By

[Signature]
Soumy Chakraborty, Microbiologist
(Authorized Signatory)
-----End of the Report-----

for Qualissure Laboratory Services
Reviewed & Authorized By

[Signature]
Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer:	Report No.	: QLS/P-96/24-25/C/06A
M/s. Rashmi Green Hydrogen Steel Pvt Ltd.	Date	: 24.09.2024
Khatranga, Changua, Gopinathpur	Sample No.	: QLS/P-96/24-25/06A
Kharagpur,	Date of Performance	: 19.09.2024-23.09.2024
Paschim Mednipur,	Sample Description	: Noise Monitoring
West Bengal-721301	Ref No. Date	: 5400024207, Dated - 26.08.2024

Monitoring Result of Noise

Sampling Done By: C.Sahoo			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : Near Plant Main Gate			
Date of Monitoring : 17.09.2024-18.09.2024			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	55.8	50.0	52.3
07.00-08.00	57.8	50.5	53.8
08.00-09.00	63.8	52.0	57.4
09.00-10.00	67.8	62.1	64.5
10.00-11.00	71.2	63.4	67.2
11.00-12.00	72.7	60.3	66.9
12.00-13.00	70.0	64.6	66.3
13.00-14.00	64.4	61.8	63.0
14.00-15.00	68.9	64.5	66.1
15.00-16.00	70.4	62.8	66.7
16.00-17.00	69.8	66.3	68.0
17.00-18.00	69.8	62.3	66.0
18.00-19.00	63.4	60.3	62.0
19.00-20.00	64.8	60.5	62.1
20.00-21.00	62.9	48.4	57.9
21.00-22.00	58.9	49.8	55.8
22.00-23.00	60.2	48.9	55.2
23.00-00.00	53.8	48.5	51.1
00.00-01.00	53.8	44.0	49.3
01.00-02.00	50.8	44.7	48.4
02.00-03.00	54.1	44.1	49.7
03.00-04.00	54.0	45.1	49.0
04.00-05.00	49.0	45.5	47.9
05.00-06.00	54.4	44.2	51.1

Leq dB Day Time	Leq dB Night Time	Average dB
65.0	50.7	58.2

Report Prepared By:

[Signature]

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

-----End of the Report-----

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TEST REPORT

Name & Address Of the Customer:	Report No.	: QLS/P-96/24-25/C/06B
M/s. Rashmi Green Hydrogen Steel Pvt Ltd.	Date	: 24.09.2024
Khatranga, Changual, Gopinathpur	Sample No.	: QLS/P-96/24-25/06B
Kharagpur,	Date of Performance	: 19.09.2024-23.09.2024
Paschim Mednipur,	Sample Description	: Noise Monitoring
West Bengal-721301	Ref No. Date	: 5400024207, Dated - 26.08.2024

Monitoring Result of Noise

Sampling Done By: C.Sahoo			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : Khatranaga Village			
Date of Monitoring : 17.09.2024-18.09.2024			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	53.4	52.3	52.8
07.00-08.00	55.2	53.8	54.5
08.00-09.00	57.3	55.6	56.6
09.00-10.00	59.4	57.7	58.5
10.00-11.00	61.6	59.8	60.6
11.00-12.00	63.4	62.5	62.8
12.00-13.00	68.9	63.8	65.5
13.00-14.00	65.1	63.9	64.5
14.00-15.00	63.5	62.6	63.0
15.00-16.00	62.2	60.9	61.6
16.00-17.00	60.8	60.1	60.5
17.00-18.00	62.7	61.5	62.1
18.00-19.00	58.4	52.7	55.5
19.00-20.00	56.3	53.7	55.3
20.00-21.00	56.8	55.2	55.9
21.00-22.00	54.9	53.8	54.4
22.00-23.00	53.5	52.0	52.8
23.00-00.00	51.5	51.1	51.3
00.00-01.00	50.5	50.2	50.4
01.00-02.00	50.4	50.0	50.2
02.00-03.00	49.6	49.3	49.5
03.00-04.00	49.4	49.0	49.2
04.00-05.00	48.3	48.0	48.2
05.00-06.00	48.5	48.0	48.3

Leq dB Day Time	Leq dB Night Time	Average dB
60.5	49.6	56.0

Report Prepared By:

[Signature]

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

-----End of the Report-----

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TEST REPORT

Name & Address Of the Customer:	Report No.	: QLS/P-96/24-25/C/06C
M/s. Rashmi Green Hydrogen Steel Pvt Ltd.	Date	: 24.09.2024
Khatranga, Changual, Gopinathpur	Sample No.	: QLS/P-96/24-25/06C
Kharagpur,	Date of Performance	: 19.09.2024-23.09.2024
Paschim Mednipur,	Sample Description	: Noise Monitoring
West Bengal-721301	Ref No. Date	: 5400024207, Dated – 26.08.2024

Monitoring Result of Noise

Sampling Done By: C.Sahoo			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : Jethia Village			
Date of Monitoring : 17.09.2024-18.09.2024			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	54.7	53.3	53.9
07.00-08.00	63.8	55.2	60.9
08.00-09.00	65.6	56.9	61.3
09.00-10.00	67.7	58.2	61.0
10.00-11.00	62.4	60.3	61.3
11.00-12.00	63.4	62.5	62.8
12.00-13.00	68.9	63.8	65.5
13.00-14.00	65.1	63.9	64.5
14.00-15.00	63.5	62.6	63.0
15.00-16.00	71.4	60.9	64.0
16.00-17.00	60.8	60.1	60.5
17.00-18.00	62.7	61.5	62.1
18.00-19.00	65.9	58.4	62.8
19.00-20.00	65.7	55.4	60.8
20.00-21.00	56.8	55.2	55.9
21.00-22.00	63.1	54.2	56.7
22.00-23.00	53.9	53.5	53.7
23.00-00.00	59.1	52.5	56.0
00.00-01.00	50.5	50.2	50.4
01.00-02.00	50.4	50.0	50.2
02.00-03.00	50.7	49.4	49.8
03.00-04.00	49.4	49.0	49.2
04.00-05.00	49.2	48.3	48.9
05.00-06.00	49.4	48.5	49.1

Leq dB Day Time	Leq dB Night Time	Average dB
62.5	51.4	57.7

Report Prepared By:

Radon

for Qualissure Laboratory Services
Reviewed & Authorized By



Benimadhab Gorai, Chemist
(Authorized Signatory)

-----End of the Report-----

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TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-96/24-25/C/07
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date : 24.09.2024
Khatranga, Changual, Gopinathpur	Sample No. : QLS/P-96/24-25/07(A-J)
Kharagpur,	Sample Description : Spot Noise Monitoring
Paschim Mednipur,	Date of performance : 19.09.2024-23.09.2024
West Bengal-721301	Ref No. Date : 5400024207, Dated - 26.08.2024

Monitoring Result of Work Zone Noise

Sampling Done By: C.Sahoo			Date of Monitoring : 14.03.2024
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Sample No.	Location	Time of Monitoring	Leq dB (Avg) Day Time
07A	Seamless Pipe Area	11:00-11:10	62.6
07B	Construction Area	11:15-11:25	62.2
07C	Surface Treatment Plant Area	11:30-11:35	61.7
07D	Store Area	11:40-11:45	58.0
07E	Admin Building	11:50-11:55	63.4
07F	Chemical Lab	12:00-12:05	58.5
07G	Finish Product Area	12:10-12:15	60.1
07H	Pilgar Production Area	12:20-12:25	60.2
07I	Hot Mill-1	12:30-12:35	58.4
07J	Hot Mill-2	12:40-12:45	59.3

Report Prepared By :

Baran

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Goral, Chemist
(Authorized Signatory)

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DOC NO : QLS/SAMP/08-C/00

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/P-96/24-25/C/08
	Date	: 24.09.2024
M/s. Rashmi Green Hydrogen Steel Pvt Ltd.	Sample No.	: QLS/P-96/24-25/08(A-J)
Khatranga, Changual, Gopinathpur	Sample Description	: Illumination Intensity Monitoring
Kharagpur,	Date of performance	: 19.09.2024-23.09.2024
Paschim Mednipur,	Ref No. Date	: 5400024207, Dated - 26.08.2024
West Bengal-721301		

Result of Illumination Intensity Monitoring

Sampling Done By: C.Sahoo			
Sl.No	Date of Monitoring	Location	Lux in Average
08A	18.09.2024	Hot Mill-2	298
08B		Hot Mill-3	224
08C		Surface Treatment Plant Area	242
08D		Chemical Lab	280
08E		Store Area	266
08F		Admin Building	294
08G		Surface Treatment Area	248
08H		Finish Product Area	212
08I		Hot Mill-1	258
08J		Pilgar Production Area	230

Illumination Standard - IS 6665 : 1991	
Location	Average Illumination in Lux
Blast Furnace & Slab yards working areas, Mechanical workshop, Pump House, Stairs & Floors	100
Control Room, Control Desks	200-300
Conveyors	50-100
Outdoor of factory:	20
Stock Yard, Main Entrance /Exit areas, Road, Parking Areas	
Laboratories and Test rooms	300-450

Report Prepared By :

Radha

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

----- End of the Report -----

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