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/ENV_Statement_24-25/2025-26/01 Date: 24.08.2025

To,

The Member Secretary,
West Bengal Pollution Control Board,
Parivesh Bhawan,
10A, Block LA, Sector – III, Bidhannagar,
Kolkata – 700 106

Sub.: Submission of Environmental Statement in Form-V for the Financial Year ending March 31st, 2025 (FY 2024-25) 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.: Consent to Operate No. CO141072 issued vide Memo no. 242-361-hl-nc-r/2022, dated 16.05.2023, valid up to 31.03.2028

Dear Sir,

With reference to the above mentioned subject, we are submitting herewith the Environmental statement in Form-V for the financial year ending March 31st, 2025 (FY 2024-25) as per the provisions of Rule – 14 of the Environmental (Protection) [Second Amendment] Rules, 1992 for your kind consideration and record, please.

Kindly acknowledge the same.

Thanking you,

Yours faithfully,

For M/s Rashmi Green Hydrogen Steel Private Limited

Rashmi Green Hydrogen Steel Pvt. Ltd.

Authorized Signatory Director

Encl.: Stated as above

ENVIRONMENTAL STATEMENT
(FORM – V)

FOR

THE FINANCIAL YEAR ENDING MARCH 31ST, 2025
(FY 2024-25)

M/s Rashmi Green Hydrogen Steel Private Limited

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

[FORM-V]

(Rule-14)

Environmental Statement for the financial year ending the 31st March 2025

PART – I

i) Name and address of the owner/occupier of the industry operation or process

Mr. Abhishek Singh (Director),

M/s Rashmi Green Hydrogen Steel Private Limited

Registered address: 9, AJC Bose Road, 1st Floor, Ideal Centre, Kolkata, West Bengal, India, 700017

Works: 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

ii) Industry Category

Red Category

iii) Production Capacity

S. No.	Name of the Product	Production Capacity as per CTO C0141072 dated 16.05.2023 & WBPCB/5836524/2024 dated 26/12/2024	Production Capacity 2023-2024	Production Capacity 2024-2025
1.	Ductile Iron Pipe, Fitting and Accessories	6,00000 Ton/Year	----	----
2.	Seamless Pipe/Tube	3,20,000 Ton/Year	9,842.00 TPA	16,394 TPA
3.	Coal Gas	31,500 Cum/Hour	----	----

**CTO obtained on dated 16.05.2023.*

iv) Year of Establishment: 2024

v) Date of the last Environment Statement Submitted: 21.09.2024

PART - B

Rashmi Green Hydrogen Steel Pvt. Ltd.

Director

i) Water and river material consumption:

i. Water Consumption (m^3/day) = 13.00 KLD

Process = NIL

Cooling = 11.00 KLD

Domestic Purpose = 2.0 KLD

Process water consumption per unit of product output:

Name of the product	Water consumption of product output during the previous financial year (FY 2023-24)	Water consumption of product output during the current financial year (FY 2024-25)
Seamless Pipe/Tube	7.0 KLD	11.0 KLD
Coal gas (Coal Gasifier Plant)		

*All data are furnished in the basis of makeup water per day and production capacity is as per CFO permission.

ii) Raw Material Consumption:

S. No.	Name of Raw Materials	Name of Products	Consumption quantity during the previous financial year (FY 2023-24)	Consumption quantity during the current financial year (FY 2024-25)
1.	Billets	Seamless Pipe/Tube	13,619.31	21,111.00

PART – C

Pollution discharged to environment/ unit of output.

A. Water Pollution:

Pollutants	Quantity of pollutant discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standard with reason
NIL	Zero liquid discharge has been adopted and is being maintained. No liquid effluent is being discharged outside factory premises. ETP for treatment of industrial effluent is in place. Domestic waste water generated from offices is being treated in septic tank followed by soak pit.		

B. Air Pollution:

Pollutant type: Particular Matter

Source of Pollutants	Quantity of pollutant	Concentration of pollutants in	Percentage of variation from prescribed standard

Rashmi Green Hydrogen Steel Pvt Ltd.

Director

	discharged (mass/day)	discharges (mass/volume)	with reason
Coal gas fired reheating furnace-2	4.15 kg/day	18.34 mg/Nm^3	Within the limit as per CTO obtained from WBPCB/CPCB/MOEF notification. Analysis report attached as Annexure-I.
Coal gas fired reheating furnace-3	5.84 kg/day	26.0 mg/Nm^3	
Hot water generator	6.50 kg/day	25.42 mg/Nm^3	

PART – D

Hazardous Waste
(As specified under Hazardous Waste Management and Handling Rules, 2016)

Hazardous Waste	Total Quantity (Kg)	
	During the current financial year (FY 2023-24)	During the current financial year (FY 2024-25)
From Process	NIL	NIL
For Pollution Control Facilities	5.4 MT/Year	0.00

PART – E

Solid waste

	Total Quantity	
	During the previous financial year (FY 2023-24)	During the current financial year (FY 2024-25)
a) From Process Waste from process scrap	925.0 TPA	1,540.0 TPA
b) From pollution control facilities ESP dust	NIL	NIL
c) Quantity recycled or reutilized within the unit	925.0 TPA	1,540.0 TPA
d) Disposed	0.00	0.00

PART – F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both the categories of wastes.

S. No.	Name of the Hazardous/Solid Waste	Quantity per Annum
Hazardous Waste		
1.	Chemical sludge from waste water treatment (35.3)	0.00

Rashmi Green Hydrogen Steel Pvt. Ltd.

Director

2.	Used or Spent Oil (Rule 5.1)	0.588 MTPA
3.	Exhaust Air or Gas cleaning residue (35.1)	0.00
4.	Wastes or residues containing oil (5.2)	0.045 MTPA
5	Zinc fines/dust/ash/skimming (dispersible form) (6.2)	0.00

All hazardous waste is being/will be disposed off through WBPCB authorized vendors/recyclers/disposal facility.

Organic bio degradable solid wastes will be used for organic manure creation and used for Green Belt Development purpose.

PART – G

Impact of the pollution abatement measures taken up on conservation of natural resources and on the cost of production.

The unit is very concerns and conscious about the product quality and equally about the environmental protection & resource conservation. The unit has adopted following conservation measures:

Natural resource conservation:

- Water is being/will be conserved by practicing rainwater harvesting and maximum recycling within the plant premises.
- Waste water will be used after treatment in the plant.
- The company will explore possibilities for solar power generation on roof tops of buildings and installation of solar light system in all common areas, street lights, parking etc.

PART - H

Additional measures/investment proposal for environment protection including abatement of pollution prevention of pollution

Additional measures will be taken for prevention of Pollution as follows:

- Planning of extensive green belt development in and around the plant and along the plant boundary.
- Schedule maintenance and monitoring of all Air Pollution Control Device's (APCD's) and will be regularly undertaken to ensure their efficient operations in order to keep emission level within the prescribed limit.

Rashmi Green Hydrogen Steel Pvt. Ltd.

Director

- Regular sprinkling and spraying of water will be done through sprinklers and water tanker for suppress the fugitive dust.
- Repairing of internal road inside the plant to reduce fugitive emission.
- Awareness programs like plantation activities, Slogan competition, extempore speech competition was organized for children for awareness on environment protection/water conservation on 5th June (World Environment Day).
- Regular monitoring and awareness among workers will help in controlling air pollution.
- Sensitization/ Awareness poster on implementation of ban on Single Use Plastic (SUP).
- Also under 'Van Mahotsav Campaign' with theme 'Ek Ped Maa Ke Naam, tree sapling planted inside and in close vicinity of the project.
- Electronic wastes generated from the plant are and will be handled as per E-Waste (Management) Rules 2022 and its further amendment and wastes generated are and will be handed over only to the registered recycler/ PRO.

PART- I

Any other particular for improving the quality of the environment

In addition to training of employees in various aspects of pollution control activities of the plant, programs like celebration of World Environment Day, World Safety Day, screening of films on environment, Tree Plantation etc. will be regularly carried out in order to create greater awareness towards environment protection amongst employees and the people in the neighboring areas.

All the environmental standards/stipulation will be fully maintained by the Plant Management on priority basis.

Constant efforts will be made in making use of the updated technologies.

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Rashmi Green Hydrogen Steel Pvt. Ltd.

Director

GREENVISION
(A leading environmental research laboratory)
Recongnized by West Bengal Pollution Control Board
TC-15288
Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216
Contact : 0343-2543019, 9732580459, 9433158173, email :greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF STACK GAS ANALYSIS

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

Sample is drawn by **M/s. Greenvision** — **U.L.R. No. : TC152882500000020 8F**

Report No.	: GV/AR/24-25/685	Sample Ref. ID	: AS-036-2025(6)
Name of Customer	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Report Date	: 05.04.2025
Address of Customer	: Khatranga, Changual, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301.	Date of Sampling	: 24.03.2025
		Sample Received On	: 25.03.2025
Sample Description	: Stack Air	Analysis Started On	: 26.03.2025
Sampling Location	: Hot Water Generator	Analysis Completed On	: 26.03.2025
Sample Condition	: In GMF Thimble & Plastic Bottles	Time of Sampling	: 01:10 pm
Sampling Method	: CPCB, Emission Regulation (Part III)		
Testing Location	: At Laboratory		

A. GENERAL INFORMATION ABOUT STACK

01.	Particulars of plant		: Steel Industry		
02.	Stack connected to		: Hot Water Generator		
03.	Material of construction		: M.S.		
04.	Shape of stack		: Circular		
05.	Height of stack from G.L (mtr)		: 35.0	from roof level (mtr)	: ---
06.	Height of sampling from G.L (mtr)		: 17.0	from L.D.Z (mtr)	: ---
07.	Internal stack diameter at sampling point (mtr)		: 1.0		
08.	Emission due to		: Burning of Wood Chips		
09.	Steam generation capacity:	(rated)	: ---	(running)	: ---
10.	Load of source:	(rated)	: 25 MT	(running)	: ---

B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: Wood Chips	
02. Calorific value (K-Cal/Kg): ---	03.Ash content (% by Wt): ---	04.Sulphur content (% by Wt): ---
05. Rated fuel consumption	: ---	
06. Working fuel consumption	: 500 Kg/Hr.	

C. RESULTS OF GASEUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (^{0}C)	64	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	754.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	7.71	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm^3/hr.)	18762.02	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/ Nm^3)	25.42	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Concentration of NO_2 (mg/ Nm^3)	---	IS:11255 (Part 3), 2008
07. Concentration of SO_2 (mg/ Nm^3)	---	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of CO_2 (% V/V)	5.8	IS:13270:1992, Reaffirmed 2014
09. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014
Pollution Control Device	: Cyclone Separator	
Permanent Ladder and Platform	: Yes	

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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

GREENVISION

(A leading environmental research laboratory)
Recongnized by West Bengal Pollution Control Board
TC-15288
Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216
Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF STACK GAS ANALYSIS

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

Sample is drawn by **M/s. Greenvision** — **U.L.R. No. : TC152882S000000207F**

Report No.	: GV/AR/24-25/684	Sample Ref. ID	: AS-036-2025(5)
Name of Customer	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Report Date	: 05.04.2025
Address of Customer	: Khatranga, Changual, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301.	Date of Sampling	: 24.03.2025
		Sample Received On	: 25.03.2025
Sample Description	: Stack Air	Analysis Started On	: 26.03.2025
Sampling Location	: Re-Heating Furnace	Analysis Completed On	: 26.03.2025
Sample Condition	: In GMF Thimble & Plastic Bottles	Time of Sampling	: 11:20 am
Sampling Method	: CPCB, Emission Regulation (Part III)		
Testing Location	: At Laboratory		

A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant		: Steel Industry		
02. Stack connected to		: Coal Gas Fired Re-Heating Furnace - 2		
03. Material of construction		: M.S.		
04. Shape of stack		: Circular		
05. Height of stack from G.L (mtr)		: 35.0	from roof level (mtr)	: ---
06. Height of sampling from G.L (mtr)		: 17.0	from L.D.Z (mtr)	: ---
07. Internal stack diameter at sampling point (mtr)		: 0.85		
08. Emission due to		: Burning of Coal Gas		
09. Steam generation capacity:	(rated)	: ---	(running)	: ---
10. Load of source:	(rated)	: 4 MT/Hr.	(running)	: 4 MT/Hr.

B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: Coal Gas	
02. Calorific value (K-Cal/Kg): ---	03.Ash content (% by Wt): ---	04.Sulphur content (% by Wt): ---
05. Rated fuel consumption	: ---	
06. Working fuel consumption	: 2450 Nm^3/Hr.	

C. RESULTS OF GASEUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (^0C)	255	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	754.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	11.34	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm^3/hr.)	12990.28	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/ Nm^3)	18.34	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Concentration of NO_2 (mg/ Nm^3)	28.14	IS:11255 (Part 3), 2008
07. Concentration of SO_2 (mg/ Nm^3)	16.64	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of CO_2 (% V/V)	7.0	IS:13270:1992, Reaffirmed 2014
09. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014
Pollution Control Device	**: Nil**	
Permanent Ladder and Platform	**: Yes**	

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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