



Rashmi Hydrogen <rashmi.greenhydrogen@gmail.com>

Six Monthly (December 1st 2025) Compliance status report of the conditions stipulated in environment clearance for the period of April 2025 to September 2025 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 Rashmi Green Hydrogen Steel Private Limited

1 message

Rashmi Hydrogen <rashmi.greenhydrogen@gmail.com>

Mon, Nov 24, 2025 at 7:00 PM

To: iro.kolkata-mefcc@gov.in, sp.quazi@gov.in, ms@wbpcb.gov.in, rdkolkata.cpcb@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>, projectleader@rashmigroup.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 Environment 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 period of April 2025 to September 2025.

Half yearly compliance report for the period of April 2025 to September 2025 have also been uploaded on Parivesh portal (Compliance ID 127398457).

We are enclosing herewith scan copy of the compliance report and acknowledgement of the Parivesh portal 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, **Rashmi Green Hydrogen Steel Private Limited**

Authorized Signatory

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

2 attachments**Acknowledgement & Parivesh compliance.pdf**
893K**RGHSPL_Compliance_Dec 1st 2025.pdf**
14766K

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_1st_25

Date: 24.11.2025

To,

a) The Regional Office,

Ministry of Environment, Forests & Climate Change,
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 1st 2025)** Compliance status report of the conditions stipulated in environment clearance for the period of **April 2025 to September 2025** 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.: 1. EC Identification No. EC23A008WB113189, File No. IA-J-11011/102/2022-IA-II(IND-I) dated: 07.03.2023.

2. Intimation in respect of No change in production capacity and No increase in pollution load for the project under the provisions of para 7(ii)c of EIA Notification and its subsequent amendment S.O. 980-(E), dated 2nd March 2021 submitted on PARIVESH Portal vide proposal no. IA/WB/IND1/527771/2025 dated 17.03.2025

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. 11011/102/2022-IA-II(IND-I)

RASHMI GREEN HYDROGEN STEEL PVT. LTD.

Prishee Saha

Director/Authorised Signatory

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 2025 to September 2025. 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 2025 was submitted to concerned department vide letter no. RGHSPL/EC_COMPLIANCE/JUNE_1st_25 dated 19.05.2025 through mail on 20.05.2025 and uploaded on Parivesh portal vide Compliance ID: 127376913 dated 20.05.2025.

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, **Rashmi Green Hydrogen Steel Private Limited**

RASHMI GREEN HYDROGEN STEEL PVT. LTD.

Authorized Signatory

Director/Authorised Signatory

CC: 1. The Member Secretary, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block – LA, Sector – III, Kolkata – 700 098

2. The Regional Director, Central Pollution Control Board, (Eastern Zonal Office), 'Southend Conclave', 502, 5th Floor 1582, Rajdanga Main Road, Kolkata- 700 107, West Bengal

Encl.: 1. Six Monthly (December 1st 2025) Compliance status report of the EC conditions
2. Permission to draw Sub-surface water from river bed of Kangsabati as Annexure-I.
3. Stack Monitoring report as Annexure-II.
4. Green Belt Development Detail as Annexure-III.
5. CER photographs as Annexure-IV.
6. Latest OCEMS report as Annexure-V.

7. Copy of Ambient Air Monitoring Report as Annexure-VI.
8. Copy of Fugitive Emission Report as Annexure-VII.
9. Effluent water sampling Report is enclosed as Annexure-VIII.
10. Ground water sampling Report is enclosed as Annexure-IX.
11. Copy of Noise Monitoring Report Annexure-X.
12. Copy of heat stress analysis as Annexure-XI
13. Occupational health surveillance report of the workers as Annexure-XII.

RASHMI GREEN HYDROGEN STEEL PVT. LTD.

Rishi Sg

Director/Authorised Signatory

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

Proposal No	IA/WB/IND1/414629/2023
Compliance ID	127398457
Compliance Number(For Tracking)	EC/COMPLIANCE/127398457/2025
Reporting Year	2025
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	24-11-2025
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	WEST BENGAL
RO/SRO Office Address	Integrated Regional Offices, Kolkata

Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, WEST BENGAL with Notification to Project Proponent.



परिवेश
PARIVESH
(CPC GREEN)

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

Ministry of Environment, Forest and Climate Change



Back

View Half Yearly Compliance Report at Project Proponent

Proposal Details

Proposal No

IA/WB/IND1/414629/2023

Category

Industrial Projects - 1

Name of Project

Proposed an Integrated Steel Plant of 3.1 Million Ton per annum (Finished Steel) along with 230MW (80MW WHRB/TRT based + 150 MW coal based) Captive Power Plant

Plot / Survey/ Khasra No.**Village(s)**

Changuyal

Sub-District(s)

Kharagpur - II

State

WEST BENGAL

District

MEDINIPUR WEST

MoEF File No

IA-J-11011/102/2022-IA-II(IND-I)

Name of the Entity/**Corporate Office**

RASHMI GREEN HYDROGEN STEEL PRIVATE LIMITED

Entity's PAN

*****1619N

Entity Name as per PAN

RASHMI GREEN HYDROGEN STEEL PRIVATE LIMITED

Entity details mentioned above is correct ?

Agree

Covering Letter

Covering Letter

[Click to View](#)

Compliance Reporting Details

Reporting Year

2025

Reporting Period

01 Dec(01 Apr - 30 Sep)

Remark(if any)

Half yearly compliance status report of the conditions stipulated in Environment Clearance for the period of April 2025 to September 2025

Details of Production and Project Area

Date of Commencement of Project/Activity

16-05-2023

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	60.70	60.70
Revenue Land	0	0
Forest	0	0
Others	51.40	51.40
Total	112.1	112.1

Land Documents

NA

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To
1	Metallurgical Coke	Million Tons per Annum (MTPA)	1.0	Project is yet to be implemented (CTO not yet received)	NA	null
2	Raw Material/ Finished Product Transportation	Others:No.	01	Project is yet to be implemented (CTO not yet received)	NA	null
3	Iron Ore Pellet	Million Tons per Annum	1.2	Project is yet to be	NA	null

		(MTPA)		implemented (CTO not yet received)		
4	Producer Gas	Others:Nm3/Hr	112500	31500	CO141072	31-03-2028
5	Concentrated Iron ore (Matching with 1.2 million TPA Pellet Plant)	Million Tons per Annum (MTPA)	1.275	Project is yet to be implemented (CTO not yet received)	NA	null
6	Power (CFBC)	MW	150	Project is yet to be implemented (CTO not yet received)	NA	null
7	Railway Siding	Others:No.	01	Project is yet to be implemented (CTO not yet received)	NA	null
8	Molten Metal, Pig Iron, High Quality Billets, Slab	Million Tons per Annum (MTPA)	3.0	1.0 million TPA	WBPCB/6784254/2025	31-03-2028
9	Iron Ore Sinter	Million Tons per Annum (MTPA)	4.0	1.617 million TPA	WBPCB/6784254/2025	31-03-2028
10	FeSi , FeCr , FeMn, SiMn,	Million Tons per Annum (MTPA)	0.035	Project is yet to be implemented (CTO not yet received)	NA	null
11	Seamless Tube/ Pipe; Pickled and Galvanised Product	Million Tons per Annum (MTPA)	1.6	0.32 million TPA	CO141072	31-03-2028
12	Ductile Iron Pipe, Fitting and Accessories	Million Tons per Annum (MTPA)	1.5	1.3 million TPA	WBPCB/5836524/2024 and WBPCB/6784254/2025	31-03-2028
13	Oxygen	Tons per Day (TPD)	600	400 TPD	WBPCB/6784254/2025	31-03-2028

14	Lime dolomite	Tons per Day (TPD)	200	Project is yet to be implemented (CTO not yet received)	NA	null
15	Power (WHRB)	MW	80	3.67 MW	WBPCB/6784254/2025	31-03-2028

Conditions

Specific Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason and Supporting Documents	
1	Statutory compliance	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.	PPs Submission	Agreed and noted for compliance. The project is still in construction phase. The company has obtained Consent to Operate from West Bengal Pollution Control Board valid up to 31.03.2028 for 0.32 million TPA Seamless Pipe/Tube along with 03 sets of 3 x 3,500 m3/Hr (31,500 m3/Hr) Coal Gasifier Plant; 1.3 million TPA Ductile Iron Pipe, Fitting and Accessories; 1.617 million TPA Iron Ore Sinter from 1 x 130 m2 sinter plant; 1.0 million TPA Hot Molten Metal from 1 x 750 m3 Blast Furnace with recuperator along with 3.67 Megawatt Power Generation from 1 x 750 m3 Blast furnace TRT and 1 x 3,000 TPD Pig Casting Machine (PCM) and 400 Metric Tonnes/Day Oxygen from 2 x

				200 TPD Oxygen Plant. In line with intimation w.r.t. change in configuration of the plant or activity under clause 7(II) (c) of EIA Notification, 2006, as mentioned in the last Half Yearly Compliance June 2025 vide ref no. RGHSPL/EC-COMPLIANCE/JUNE-1st-25 dated 19.05.2025, amendment in Consent to Establish obtained vide Memo No. 462-2N-57/2022(E), dated 17.04.2025. All the environmental protection measures and safeguards proposed during construction phase and operational phase (i.e. use of movable water tanker, sweeping machine, installation of APCD etc.) are being complied. Agreed to Comply 24-11-2025 Attachment:NA	
2	Statutory compliance	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	PPs Submission	Already covered in Specific condition-1. Agreed to Comply 24-11-2025 Attachment:NA	
3	MISCELLANEOUS	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also	PPs Submission	Being/will be complied. The project is still in construction	

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.

phase. The company has obtained Consent to Operate from West Bengal Pollution Control Board valid up to 31.03.2028 for 0.32 million TPA Seamless Pipe/Tube along with 03 sets of 3 x 3,500 m³/Hr (31,500 m³/Hr) Coal Gasifier Plant; 1.3 million TPA Ductile Iron Pipe, Fitting and Accessories; 1.617 million TPA Iron Ore Sinter from 1 x 130 m² sinter plant; 1.0 million TPA Hot Molten Metal from 1 x 750 m³ Blast Furnace with recuperator along with 3.67 Megawatt Power Generation from 1 x 750 m³ Blast furnace TRT and 1 x 3,000 TPD Pig Casting Machine (PCM) and 400 Metric Tonnes/Day Oxygen from 2 x 200 TPD Oxygen Plant. The flue gas generated from balance EC accorded project i.e. Blast Furnace, Coke Oven Plant, Sinter 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 percent of the plant area is being/will be developed under greenbelt. Details of carbon foot prints and carbon sequestration is already submitted to the IRO, MoEFCC with the Six-Monthly EC compliance Dec-2023 issued vide file no. RGHSPL/EC-SMC/DEC23/2023-24/1 dated 27.11.2023. Agreed to Comply 24-11-2025 Attachment:NA	
4	Human Health Environment	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 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.	PPs Submission	Agreed and noted for compliance. 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 To ensure minimum impact, the environmental safeguards are implemented effectively, regular environmental monitoring like ambient air quality, water, noise carried out on regular basis of these villages. Proper Air Pollution Control Devices are being regularly used. Being Complied	

				24-11-2025 Attachment:NA
5	MISCELLANEOUS	Digra Pond (3.30 km, W), Kajla Pond (1.85 km, NW), Paiknagari pond (3.25 km, E), Changual 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.	PPs Submission	Complied/Being Complied With. In compliance to the said condition, details are already submitted and emailed along with the Half Yearly Compliance December 2024 vide ref no. RGHSPL/EC-Compliance/DEC-24 dated 29.11.2024. Provisions for garland drain around raw materials stock yard and solid waste disposal yard and catch pit is provided to trap run off material. Being Complied 24-11-2025 Attachment:NA
6	Human Health Environment	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.	PPs Submission	Agreed and is Being complied. 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.

				Pollution control devices are provided to the operating units and Environmental Safeguard have been taken. Being Complied 24-11-2025 Attachment:NA
7	WATER QUALITY MONITORING AND PRESERVATION	The water requirement of 11,000 m3/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.	PPs Submission	Agreed and is Being Complied With. The total makeup water requirement for EC sanctioned project was 11,000 KLD (453.3 m3/Hr). Makeup water requirement of 51 KLD reduced because of the proposed change in configuration of the plant or activity from the environmental clearance conditions during execution of the project after detailed engineering, with no change in ultimate finished steel production (3.1 million TPA) capacity intimated vide Proposal No.: IA/WB/IND1/527771/2025 17/03/2025. Therefore, requirement of makeup water for the project is around 10,949 KLD. The industrial water requirement will be sourced from surface water (Kangsabati river), rain water harvesting pond and ground water (domestic water requirement only). Water Permission from Irrigation and water Department, West Bengal from Kangsabati River, and SWID, West Bengal are obtained. Permission copies submitted with the Half Yearly Compliance report December 2023

				<p>vide ref no. RGHSPL/EC-SMC/DEC23/2023-24/01 dated 27.11.2023. The company has obtained the permission to draw 5,000 KLD Sub- surface water from river bed of Kangsabati at Mouza- Patpacha, Block- Kharagpur in Dist.- Paschim Medinipur vide Memo No. (146-I)/(I-4M-28/2021) dated 11.06.2025. Amendment in EC will be obtained for use of Sub-surface water from river bed of Kangsabati.</p> <p>Being Complied 24-11-2025</p> <p>Attachment: Click to View</p>
8	Corporate Environmental Responsibility	As committed, PP shall adopt 08 nos. of Villages namely Khatranga, Chakmakrampur, Jethia, Gopinathpur, Goyalara, Kajala, Changua & Radhanagar. PP shall formulate robust village Adoption program consisting of need-based community development activities, to develop them into model villages.	PPs Submission	<p>Is being complied with Rashmi Green Hydrogen Steel Private Limited has proposed to adopt the below mentioned 08 nos. of Villages as a part of social welfare development based on need base assessment:</p> <p>1) Khatranga 2) Chakmakrampur 3) Jethia 4) Gopinathpur 5) Goyalara 6) Kajala 7) Changua 8) Radhanagar</p> <p>Rs 45.0 Crores under the head of EMP for Social and Infrastructure development activities for implementation of the commitments made during Public Hearing and fulfilling the Need based</p>

				activities as per MoEFCC OM dated 30.09.2020 is earmarked and being utilized for development activities. Being Complied 24-11-2025 Attachment:NA
9	Statutory compliance	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.	PPs Submission	Agreed and being complied. The project is still in construction phase. The company is currently operating 0.32 million TPA Seamless Pipe/Tube along with 03 sets of 3 x 3,500 m3/Hr (31,500 m3/Hr) Coal Gasifier Plant; 1.3 million TPA Ductile Iron Pipe, Fitting and Accessories; 1.617 million TPA Iron Ore Sinter from 1 x 130 m2 sinter plant; 1.0 million TPA Hot Molten Metal from 1 x 750 m3 Blast Furnace with recuperator along with 3.67 Megawatt Power Generation from 1 x 750 m3 Blast furnace TRT and 1 x 3,000 TPD Pig Casting Machine (PCM) and 400 Metric Tonnes/Day Oxygen from 2 x 200 TPD Oxygen Plant after obtaining valid Consent to Operate (Valid up to 31.03.2028)

					from West Bengal Pollution Control Board. Performance test are being conducted and will be submitted to your good office. Latest stack emission report carried by NABL accredited laboratory for operational plant is uploaded. Being Complied 24-11-2025 Attachment: Click to View
10	GREENBELT	Three tier Green Belt shall be developed in a atleast 33% of total project area as per the asubmitted action plan with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy 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	PPs Submission	Agreed and is being complied with. 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 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 percent of the project area.	

		to concerned Regional Office of the MoEF&CC.		<p>Around 92,075 numbers of trees which are resistant to pollutants, will be planted as per CPCB/MoEFCC, New Delhi guidelines. Till September 2025, about 97,500 numbers of trees have been planted with survival rate 94.6 percent (92,275Nos.). Around 34,636 saplings are planted under Plant 4 Mother campaign. Being Complied 24-11-2025</p> <p>Attachment: Click to View</p>
11	MISCELLANEOUS	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	PPs Submission	<p>Agreed and being complied. Greening and paving is being carried out in parallel with implementation of proposed project. Being Complied 24-11-2025</p> <p>Attachment:NA</p>
12	WASTE MANAGEMENT	Solid waste utilization a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making. b. PP shall recycle/reuse solid waste generated in the plant as far as possible. c. Used refractories shall be recycled as far as possible.	PPs Submission	<p>Noted Project is still in construction phase. The plant will be designed to comply with the condition mentioned. Agreed to Comply 24-11-2025</p> <p>Attachment:NA</p>

13	WASTE MANAGEMENT	Sinter Plant shall be equipped with Sinter cooler waste recovery system and suitable technology for control of dioxins and furans emissions from the plant.	PPs Submission	Agreed and is being/will be complied. Is being complied for operational 1 x 130 m2 sinter plant. Being Complied 24-11-2025 Attachment:NA
14	MISCELLANEOUS	Coke oven plant shall be equipped with modified wet quenching system.	PPs Submission	Agreed and will be complied. Agreed to Comply 24-11-2025 Attachment:NA
15	WASTE MANAGEMENT	Tar shall be recovered from producer gas and shall be sold to registered processors.	PPs Submission	Agreed and is being/will be complied. Being Complied 24-11-2025 Attachment:NA
16	AIR QUALITY MONITORING AND PRESERVATION	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. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.	PPs Submission	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. Project proponent is following necessary precautionary step to control emission during transportation/movement of vehicles. 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. Trucks covered with industrial grade tarpaulin during movement

			Agreed to Comply 24-11-2025 Attachment:NA
17	MISCELLANEOUS	Blast Furnaces shall be equipped with Top Recovery Turbine (capacity more than 450 m3), dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.	PPs Submission Agreed and is being/will be complied. Under operation 1 x 750 m3 Blast furnace has been equipped with Top Recovery Turbine and all other mentioned parameter has been complied. Being Complied 24-11-2025 Attachment:NA
18	MISCELLANEOUS	Secondary fume extraction system shall be installed on converters of Steel Melting Shop.	PPs Submission Not applicable, as no Steel melting shop is proposed to be installed. However, side suction to the Induction furnace installed in DIP unit has been provided. Being Complied 24-11-2025 Attachment:NA
19	MISCELLANEOUS	Basic Oxygen Furnace (BOF) gas shall be cleaned dry.	PPs Submission Agreed and will be complied. As per latest development, the configuration change of LD Converter from 1 x 125 Ton and 1 x 100 Ton to 3 x 60 Ton under clause 7(II)(c) of EIA Notification, 2006. The said condition will be complied once the project comes in operation. Agreed to Comply

				24-11-2025 Attachment:NA
20	MISCELLANEOUS	Electric Arc Furnace shall be closed type with 4th hole extraction system.	PPs Submission	Agreed and noted for compliance. Ferro alloy plant is not yet implemented. As per latest development, management of the company has surrendered 2 x 9 MVA Submerged Arc furnace-Ferro Alloy Plant out of 4 X 9 MVA submerged arc furnace and intimated under clause 7(II) (c) of EIA Notification, 2006. Required changes will be carried out and plant will be designed to comply with the condition mentioned. The said condition will be complied once the project comes in operation Agreed to Comply 24-11-2025 Attachment:NA
21	MISCELLANEOUS	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.	PPs Submission	Agreed and noted for compliance. The plant will be designed to comply with the condition mentioned. Agreed to Comply 24-11-2025 Attachment:NA
22	WASTE MANAGEMENT	Cold Rolling Mill (CRM), color coating and galvanizing plants shall have CETP to treat and recycle	PPs Submission	Agreed and will be complied once the project comes

		the treated water from CRM complex. Sludge generated at CRM ETP shall be sent to TSDF.		in operation. Cold rolling mill is surrendered and scaling down of pickling line and galvanizing line is scaled down from 2.0 million TPA to 1.6 million TPA Effluent from process is getting treated in ETP plant and treated water is getting reused in plant process. Being Complied 24-11-2025 Attachment:NA
23	AIR QUALITY MONITORING AND PRESERVATION	Dust emission from all the stacks shall be less than 30 mg/Nm ³ .	PPs Submission	Agreed and is being/will be complied. As stated in S. No. i and ii, the company is currently operating 0.32 million TPA Seamless Pipe/Tube along with 03 sets of 3 x 3,500 m ³ /Hr (31,500 m ³ /Hr) Coal Gasifier Plant; 1.3 million TPA Ductile Iron Pipe, Fitting and Accessories; 1.617 million TPA Iron Ore Sinter from 1 x 130 m ² sinter plant; 1.0 million TPA Hot Molten Metal from 1 x 750 m ³ Blast Furnace with recuperator along with 3.67 Megawatt Power Generation from 1 x 750 m ³ Blast furnace TRT and 1 x 3,000 TPD Pig Casting Machine (PCM) and 400

				<p>Metric</p> <p>Tonnes/Day</p> <p>Oxygen from 2 x 200 TPD Oxygen Plant after obtaining valid Consent to Operate (Valid up to 31.03.2028) from West Bengal Pollution Control Board. Latest stack emission report carried by NABL accredited laboratory for operation plant is uploaded.</p> <p>Being Complied 24-11-2025</p> <p>Attachment: Click to View</p>
24	WATER QUALITY MONITORING AND PRESERVATION	Air Cooled condensers shall be used in the captive power plant.	PPs Submission	<p>Agreed and noted for compliance. The said condition will be taken care of at the time of finalizing the plant/process design.</p> <p>Agreed to Comply 24-11-2025</p> <p>Attachment:NA</p>
25	MISCELLANEOUS	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.	PPs Submission	<p>Agreed and will be complied once the project comes in operation.</p> <p>Agreed to Comply 24-11-2025</p> <p>Attachment:NA</p>
26	MISCELLANEOUS	Ductile Iron (DI) plant shall have the following provisions: a. Bag filter for	PPs Submission	<p>Is being/will be complied. We have</p>

		Zn coating and Mg converter area. 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.		obtained valid Consent to Operate (Valid up to 31.03.2028) from West Bengal Pollution Control Board vide CTO No.: WBPCB/6784254/2025 dated 14.05.2025 obtained for 0.7 million Tonnes/Year and WBPCB/5836524/2024 dated 26.12.2024 obtained for 0.6 million Tonnes/Year for Ductile Iron Pipe, Fitting and Accessories and said conditions are being complied. Being Complied 24-11-2025 Attachment:NA
27	WATER QUALITY MONITORING AND PRESERVATION	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.	PPs Submission	Is being complied. Rainwater harvesting structure is already implemented. Complied 24-11-2025 Attachment:NA
28	WASTE MANAGEMENT	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.	PPs Submission	Agreed and noted for compliance. The project is still in construction phase. The plant is being designed as zero liquid discharge (ZLD). Treated domestic wastewater is being utilized in the greenbelt development and dust suppression. ETP has been installed for the operational plant. Being Complied

				24-11-2025 Attachment:NA
29	Risk Mitigation and Disaster Management	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.	PPs Submission	Agreed and is being complied with. Being Complied 24-11-2025 Attachment:NA
30	WASTE MANAGEMENT	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	PPs Submission	Agreed and noted for compliance. 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. Agreed to Comply 24-11-2025 Attachment:NA
31	PUBLIC HEARING	All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.	PPs Submission	Is being complied with. 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 Rs 12.15 Crores under EMP for social and infrastructure development has been spent till September 2025 (Photographs uploaded). Being Complied 24-11-2025 Attachment: Click to View	
32	Statutory compliance	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.	PPs Submission	Agreed and noted for compliance. Single use plastic is banned and Posters and painting for use of Eco-friendly Carry Bag has been displayed at various prominent areas for awareness of our employees, vendors and local people. Agreed to Comply 24-11-2025 Attachment:NA	
33	AIR QUALITY MONITORING	The project proponent shall adopt the Clean Air	PPs Submission	Agreed and being complied with.	

	AND PRESERVATION	practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.		Project is under construction phase. The plant is being designed to comply with the condition mentioned. Appropriate APC device has been installed to operational unit. Dedicated water spraying tankers are being used for the suppression of fugitive emission. Greenbelt development is under process to control the fugitive emission. Being Complied 24-11-2025 Attachment:NA
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General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance, Remarks / Reas Documents	
1	Statutory compliance	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.	PPs Submission	Noted. Agreed to Com 24-11-2025 Attachment:NA
2	AIR QUALITY MONITORING AND PRESERVATION	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 standards prescribed in Environment (Protection) Rules	PPs Submission	Being Complier been installed 1 units and integ server (Graphs uploaded). CA/ been purchase will be done so quality monitor locations viz., N

		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.		Gate, Near Coa Near gate No.- Village, Sinter F party monitorir Qualissure Lab which is NABL ; laboratory (Co Being Complie 24-11-2025 Attachment: Cli
3	AIR QUALITY MONITORING AND PRESERVATION	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.	PPs Submission	Being Complie Emissions have at the three loc 2025 by third p agency Enviroc locations in Seq Qualissure Lab which is NABL ; laboratory (Co Being Complie 24-11-2025 Attachment: Cli
4	AIR QUALITY MONITORING AND PRESERVATION	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	PPs Submission	Agreed and is t complied. Proje construction ph be designed to condition ment facility at for o stacks has beer Being Complie 24-11-2025 Attachment:NA
5	AIR QUALITY MONITORING AND PRESERVATION	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.	PPs Submission	Agreed and is t complied. As m project is unde phase, after ob from WBPCB. A Pollution Contr provided for so generating poi fugitive dust fr sources, so as t prescribed stac fugitive emissic the other it will soon as the pre operation. Being Complie

				24-11-2025 Attachment:NA
6	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	PPs Submission	Agreed and is to be complied. Leak mechanized bag cleaning facilities for better maintenance has been/will be under construction. Being Complied 24-11-2025 Attachment:NA
7	AIR QUALITY MONITORING AND PRESERVATION	Sufficient number of mobile or stationary vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	PPs Submission	Agreed and is to be complied. Dedicated water is being used for suppression of Greenbelt development process to control emission. Being Complied 24-11-2025 Attachment:NA
8	AIR QUALITY MONITORING AND PRESERVATION	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.	PPs Submission	Agreed. Fines/collection of APC and vacuum of under construction to be handled as per submitted while. Agreed to Complied 24-11-2025 Attachment:NA
9	AIR QUALITY MONITORING AND PRESERVATION	The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	PPs Submission	Agreed. Project will follow necessary steps to control transportation/vehicles. Trucks transporting in to avoid dust from the vehicles is restricted to 5 km/hr to control emission from road. Agreed to Complied 24-11-2025 Attachment:NA
10	AIR QUALITY MONITORING	Facilities for spillage collection shall be provided for coal and	PPs Submission	Noted and will design phase.

	AND PRESERVATION	coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility).		Agreed to Com 24-11-2025 Attachment:NA
11	AIR QUALITY MONITORING AND PRESERVATION	Land-based APC system shall be installed to control coke pushing emissions.	PPs Submission	Noted and will design phase. Agreed to Com 24-11-2025 Attachment:NA
12	AIR QUALITY MONITORING AND PRESERVATION	Monitor CO, HC and O2 in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.	PPs Submission	Agreed and no compliance. CC flue gases of the battery will be detected combustion cross leakages chamber. Agreed to Com 24-11-2025 Attachment:NA
13	AIR QUALITY MONITORING AND PRESERVATION	Vapor absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.	PPs Submission	Not applicable type coke oven quenching is not installed. Not Complied 24-11-2025 Attachment:NA
14	AIR QUALITY MONITORING AND PRESERVATION	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	PPs Submission	The raw material covered with in tarpulin and with movable water system. Agreed to Com 24-11-2025 Attachment:NA
15	AIR QUALITY MONITORING AND PRESERVATION	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	PPs Submission	Noted and is in design stage. Agreed to Com 24-11-2025 Attachment:NA
16	WATER QUALITY MONITORING	The project proponent shall install 24x7 continuous effluent monitoring system with respect	PPs Submission	Agreed and is in with. The plant as Zero Liquid I

	AND PRESERVATION	to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st 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.		and 100 percer being/will be re treatment and used in process and green belt Procurement p under progress has been moni and Outlet by t monitoring age Laboratory Sen accredited labc uploaded). Being Complie 24-11-2025 Attachment: Cli
17	WATER QUALITY MONITORING AND PRESERVATION	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.	PPs Submission	Monitoring of c quality carried Laboratory Sen accredited lab.) 2025. Being Complie 24-11-2025 Attachment: Cli
18	WATER QUALITY MONITORING AND PRESERVATION	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	PPs Submission	Sewage Treatm installed. Complied 24-11-2025 Attachment:NA
19	WATER QUALITY MONITORING AND PRESERVATION	Garland drains and collection pits shall be provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface run off.	PPs Submission	Agreed and no compliance. Th construction pl Agreed to Com 24-11-2025 Attachment:NA
20	WATER QUALITY MONITORING AND PRESERVATION	Tyre washing facilities shall be provided at the entrance of the plant gates.	PPs Submission	Agreed and no compliance. Th construction pl Agreed to Com 24-11-2025 Attachment:NA

21	WATER QUALITY MONITORING AND PRESERVATION	Water meters shall be provided at the inlet to all unit processes in the steel plants.	PPs Submission	Being Complied meter has been operational Being Complied 24-11-2025 Attachment:NA
22	Noise Monitoring & Prevention	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	PPs Submission	Being complied has been monitored party monitoring Qualissure Lab which is a NAB laboratory (Co Being Complied 24-11-2025 Attachment: Cli
23	ENERGY PRESERVATION MEASURES	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.	PPs Submission	Noted and will during project stage. Agreed to Com 24-11-2025 Attachment:NA
24	ENERGY PRESERVATION MEASURES	Restrict Gas flaring to < 1%.	PPs Submission	Agreed and is b complied for o m3 Blast Furna Agreed to Com 24-11-2025 Attachment:NA
25	ENERGY PRESERVATION MEASURES	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;	PPs Submission	Agreed and wil Currently the p construction st internal street l potential area. Agreed to Com 24-11-2025 Attachment:NA
26	ENERGY PRESERVATION MEASURES	Provide LED lights in their offices and residential areas.	PPs Submission	Being Complied Being Complied 24-11-2025 Attachment:NA

27	ENERGY PRESERVATION MEASURES	Ensure installation of regenerative/recuperative type burners on all reheating furnaces.	PPs Submission	Agreed and will be implemented during project stage. Agreed to Compliance 24-11-2025 Attachment:NA
28	WASTE MANAGEMENT	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.	PPs Submission	Not applicable management has been surrendered the S. Intimation under para 7(ii)c of E. its subsequent 980-(E), dated 17.03.2025. submitted on P. vide proposal R. IA/WB/IND1/52/17.03.2025. Not Complied 24-11-2025 Attachment:NA
29	WASTE MANAGEMENT	Kitchen waste shall be composted or converted to biogas for further use.	PPs Submission	Being Complied. Kitchen wastes are being used as manure for green belt development. Being Complied 24-11-2025 Attachment:NA
30	GREENBELT	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	PPs Submission	Agreed and is being implemented with. Already compliance condition no. X. Being Complied 24-11-2025 Attachment:NA
31	GREENBELT	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.	PPs Submission	Complied. In compliance with said condition, with the Half Yearly Report December 2023 no. RGHSPL/EC SMC/DEC23/2023/27.11.2023. Complied 24-11-2025 Attachment:NA

32	GREENBELT	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.	PPs Submission	Reply to the su already stated i under Specific t Being Complie 24-11-2025 Attachment:NA
33	Human Health Environment	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	PPs Submission	Complied. HIRA/ Disaster Manag been prepared accredited con: the same is sub Half Yearly Con December 202: RGHSP/EC-SM 24/01 dated 27 Agreed to Com 24-11-2025 Attachment:NA
34	Human Health Environment	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.	PPs Submission	Agreed and be Proper PPEs are worker. Without one is allowed plant premises. campaigns org. plant premises of demonstrati in different wor explaining the l PPEs. Heat stre: uploaded. Being Complie 24-11-2025 Attachment: C
35	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	PPs Submission	Being Complie health surveilla employed durir construction ph done and recor as per the Fact

				Being Complied 24-11-2025 Attachment: Cli
36	MISCELLANEOUS	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.	PPs Submission	Agreed and be Being Complied 24-11-2025 Attachment:NA
37	MISCELLANEOUS	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	PPs Submission	Complied The c laid down envir duly approved directors. Copy environmental submitted with Compliance Re 2023 vide Ref n SMC/DEC23/2C 27.11.2023. Complied 24-11-2025 Attachment:NA
38	MISCELLANEOUS	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	PPs Submission	Complied. A se Environmental project and cor quarter is in pl corporate envir already submit Yearly Complia December 202 RGHSPL/EC-SM 24/01 dated 27 Complied 24-11-2025 Attachment:NA
39	MISCELLANEOUS	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by	PPs Submission	Complied. Details for t are already submitted along with the Half Year Report for the period c September 2023 vide F

		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.		RGHSPL/EC-SMC/DEC2 dated 27.11.2023. Copy uploaded on company https://www.rashmisea Complied 24-11-2025 Attachment:NA
40	MISCELLANEOUS	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	PPs Submission	Complied. Data condition is already ministry with the Compliance Report of April 2023 to submitted vide RGHSPL/EC-SM 24/01 dated 27 Complied 24-11-2025 Attachment:NA
41	MISCELLANEOUS	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	PPs Submission	Agreed and Is being complied respect to the said condition Yearly Compliance report submitted. Copy of the compliance report has company's website https://www.rashmisea and is regularly update Being Complied 24-11-2025 Attachment:NA
42	MISCELLANEOUS	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	PPs Submission	Is being complied with yearly compliance report monitoring report has company's website https://www.rashmisea and is regularly update installed at main gate of Being Complied 24-11-2025 Attachment:NA
43	MISCELLANEOUS	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	PPs Submission	Is being complied compliance report October 2024 to been submitted letter no. RGHS COMPLIANCE/. 19.05.2025 through

		and Climate Change at environment clearance portal.		20.05.2025 and Parivesh Portal Compliance ID 20.05.2025. Being Complier 24-11-2025 Attachment:NA
44	MISCELLANEOUS	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	PPs Submission	Agreed and being com submitted for the finan vide letter no. RGHSPL/ 24-25/2025-26/01 date uploaded on company https://www.rashmisea Being Complied 24-11-2025 Attachment:NA
45	MISCELLANEOUS	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.	PPs Submission	Noted. The con company and r needed from o development v started after ge WBPCB. Agreed to Com 24-11-2025 Attachment:NA
46	MISCELLANEOUS	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.	PPs Submission	Agreed and no compliance. Agreed to Com 24-11-2025 Attachment:NA
47	MISCELLANEOUS	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).	PPs Submission	Agreed and no compliance. Int provisions of p: Notification an amendment S.(2nd March 202 PARIVESH Port: no. IA/WB/IND dated 17.03.20: Agreed to Com 24-11-2025 Attachment:NA

48	MISCELLANEOUS	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.	PPs Submission	Agreed and is t with. Being Complier 24-11-2025 Attachment:NA
49	MISCELLANEOUS	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.	PPs Submission	Agreed and no compliance. Agreed to Com 24-11-2025 Attachment:NA
50	MISCELLANEOUS	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.	PPs Submission	Agreed and no compliance. Agreed to Com 24-11-2025 Attachment:NA
51	MISCELLANEOUS	Concealing factual data or submission of false/fabricated data and failure to comply with 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.	PPs Submission	Agreed and no Agreed to Com 24-11-2025 Attachment:NA
52	MISCELLANEOUS	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	PPs Submission	Agreed and no Agreed to Com 24-11-2025 Attachment:NA

		16 of the National Green Tribunal Act, 2010.			
53	MISCELLANEOUS	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 Transboundary 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.	<table><tr><td>PPs Submission</td><td>Noted. Agreed to Com 24-11-2025 Attachment:NA</td></tr></table>	PPs Submission	Noted. Agreed to Com 24-11-2025 Attachment:NA
PPs Submission	Noted. Agreed to Com 24-11-2025 Attachment:NA				

Document uploaded by the PP

Last Site Visit Report (if available)

NA

Last Site Visit Report Date (if available)**Additional Attachment (if any)**[Click to View](#)**Additional Remarks (if any)**

Scan copy of the half yearly compliance report along with annexures have been uploaded in additional attachment section for your kind consideration, please.

- ☒ I '[RASHMI GREEN HYDROGEN STEEL PRIVATE LIMITED](#)' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.

Cover Letter From RO/SRO**Cover Letter From RO/SRO**[Back](#)

**SIX MONTHLY COMPLIANCE STATUS REPORT OF THE
CONDITIONS STIPULATED IN ENVIRONMENTAL
CLEARANCE FOR THE PERIOD OF APRIL 2024 TO
SEPTEMBER 2025**

(December 1st 2025)

Project Details:

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 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

EC Details:

- i. EC Identification No. EC23A008WB113189,
File No. IA-J-11011/102/2022-IA-II(IND-I) dated 07.03.2023
- ii. WBPCB Memo No. 462-2N-57/2022(E), dated 17.04.2025

SUBMITTED BY

RASHMI GREEN HYDROGEN STEEL PRIVATE LIMITED
9 AJC Bose Road, 1st Floor, Ideal Center, Kolkata, WB 700017

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 – Changua (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 : 1) EC No. EC23A008WB113189; File No. IA-J-11011/102/2022-IA-II(IND-I) dated 07.03.2023.

2) Intimation under the provisions of para 7(ii)c of EIA Notification and its subsequent amendment S.O. 980-(E), dated 2nd March 2021 submitted on PARIVESH Portal vide proposal no. IA/WB/IND1/527771/2025 dated 17.03.2025.

3) Amendment in CTE vide Memo No. 462-2N-57/2022(E) dated 17.04.2025

Period of Compliance Report : April 2025 to September 2025

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. The company has obtained Consent to Operate from West Bengal Pollution Control Board valid up to 31.03.2028 for 0.32 million TPA Seamless Pipe/Tube along with 03 sets of 3 x 3,500 m ³ /Hr (31,500 m ³ /Hr) Coal Gasifier Plant; 1.3 million TPA Ductile Iron Pipe, Fitting and Accessories; 1.617 million TPA Iron Ore Sinter from 1 x 130 m ² sinter plant; 1.0 million TPA Hot Molten Metal from 1 x 750 m ³ Blast Furnace with recuperator along with 3.67 Megawatt Power Generation from 1 x 750 m ³ Blast furnace TRT & 1 x 3,000 TPD Pig Casting Machine (PCM) and 400 Metric Tonnes/Day Oxygen from 2 x 200 TPD
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 risk mitigation measures relating to the project	

	shall be implemented.	<p>Oxygen Plant.</p> <p>In line with intimation w.r.t. change in configuration of the plant or activity under clause 7(II) (c) of EIA Notification, 2006, as mentioned in the last Half Yearly Compliance June 2025 vide ref no. RGHSPL/EC_COMPLIANCE/JUNE_1st_25 dated 19.05.2025, amendment in Consent to Establish obtained vide Memo No. 462-2N-57/2022(E), dated 17.04.2025.</p> <p>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.</p>
iii.	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>Being/will be complied.</p> <p>The project is still in construction phase.</p> <p>The company has obtained Consent to Operate from West Bengal Pollution Control Board valid up to 31.03.2028 for 0.32 million TPA Seamless Pipe/Tube along with 03 sets of 3 x 3,500 m³/Hr (31,500 m³/Hr) Coal Gasifier Plant; 1.3 million TPA Ductile Iron Pipe, Fitting and Accessories; 1.617 million TPA Iron Ore Sinter from 1 x130 m² sinter plant; 1.0 million TPA Hot Molten Metal from 1 x 750 m³ Blast Furnace with recuperator along with 3.67 Megawatt Power Generation from 1 x 750 m³ Blast furnace TRT & 1 x 3,000 TPD Pig Casting Machine (PCM) and 400 Metric Tonnes/Day Oxygen from 2 x 200 TPD Oxygen Plant.</p> <p>The flue gas generated from balance EC accorded project i.e. Blast Furnace, Coke Oven Plant, Sinter 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.</p>

		<p>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.	<p>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 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.</p>	<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 minimum impact, the environmental safeguards are implemented effectively, regular environmental monitoring like ambient air quality, water, noise carried out on regular basis of these villages. Proper Air Pollution Control Devices are being regularly used.</p>
v.	<p>Digra Pond (3.30 km, W), Kajla Pond (1.85 km, NW), Paiknagari pond (3.25 km, E), Changual 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>	<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 2024 vide ref no. RGHSPL/EC_Compliance/DEC_24 dated 29.11.2024.</p> <div data-bbox="821 1632 1402 1823" data-label="Image"> </div> <p style="text-align: center;">Photographs of drain inside plant</p> <p>Provisions for garland drain around raw materials stock yard & solid waste disposal yard and catch pit is provided to trap run off</p>

		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 & is 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. Pollution control devices are provided to the operating units and Environmental Safeguard have been taken.</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 total makeup water requirement for EC sanctioned project was 11,000 KLD (453.3 m³/Hr). Makeup water requirement of 51 KLD reduced because of the proposed change in configuration of the plant or activity from the environmental clearance conditions during execution of the project after detailed engineering, with no change in ultimate finished steel production (3.1 million TPA) capacity intimated vide Proposal No.: IA/WB/IND1/527771/2025 17/03/2025. Therefore, requirement of makeup water for the project is around 10,949 KLD.</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> <p>The company has obtained the permission to draw 5,000 KLD Sub- surface water from river</p>

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		<p>bed of Kangsabati at Mouza- Patpacha, Block-Kharagpur in Dist.- Paschim Medinipur vide Memo No. $\frac{146-I}{I-4M-28/2021}$ dated 11.06.2025. The same is enclosed as Annexure I. Amendment in EC will be obtained for use of Sub-surface water from river bed of Kangsabati.</p>
viii.	<p>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>	<p>Is being complied with</p> <p>Rashmi Green Hydrogen Steel Private Limited has proposed to adopt the below mentioned 08 nos. of Villages as a part of social welfare development based on need base assessment:</p> <ol style="list-style-type: none"> 1) Khatranga 2) Chakmakrampur 3) Jethia 4) Gopinathpur 5) Goyalara 6) Kajala 7) Changual & 8) Radhanagar <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. The company is currently operating 0.32 million TPA Seamless Pipe/Tube along with 03 sets of 3 x 3,500 m³/Hr (31,500 m³/Hr) Coal Gasifier Plant; 1.3 million TPA Ductile Iron Pipe, Fitting and Accessories; 1.617 million TPA Iron Ore Sinter from 1 x 130 m² sinter plant; 1.0 million TPA Hot Molten Metal from 1 x 750 m³ Blast Furnace with recuperator</p>


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		<p>along with 3.67 Megawatt Power Generation from 1 x 750 m³ Blast furnace TRT & 1 x 3,000 TPD Pig Casting Machine (PCM) and 400 Metric Tonnes/Day Oxygen from 2 x 200 TPD Oxygen Plant after obtaining valid Consent to Operate (Valid up to 31.03.2028) from West Bengal Pollution Control Board. Performance test are being conducted and will be submitted to your good office.</p> <p>Latest stack emission report carried by NABL accredited laboratory for operational plant is enclosed as Annexure-II.</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 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.</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 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.</p> <p>Till September 2025, about 97,500 numbers of trees have been planted with survival rate 94.6% (92,275Nos.). Details of Greenbelt are annexed as Annexure-III.</p> <p>Around 34,636 saplings are planted under Plant 4 Mother campaign.</p> <p style="text-align: right;">RASHMI GREEN HYDROGEN STEEL PVT. LTD. <i>[Signature]</i> Director/Authorised Signatory</p>

xi.	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	<p style="text-align: center;">Agreed and being complied.</p> <p>Greening and paving is being carried out in parallel with implementation of proposed project.</p>  <p style="text-align: center;">Paving of internal road</p>
xii.	Solid waste utilization	
	a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.	<p style="text-align: center;">Noted</p> <p>Project is still in construction phase. The plant will be designed to comply with the condition mentioned.</p>
	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 noted for compliance.
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.	<p style="text-align: center;">Agreed and is being/will be complied.</p> <p>Is being complied for operational 1 x 130 m² sinter plant.</p>
xiv.	Coke oven plant shall be equipped with modified wet quenching system.	<p style="text-align: center;">Agreed & will be complied.</p> <p style="text-align: right; color: blue;">RASHMI GREEN HYDROGEN STEEL PVT. LTD.</p> <p style="text-align: right; color: blue;"><i>[Signature]</i></p> <p style="text-align: right; color: blue;">Director/Authorised Signatory</p>

xv.	Tar shall be recovered from producer gas and shall be sold to registered processors.		Agreed and is being/will be complied.
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.
	b.	Proper covered vehicle shall be used while transport of materials.	Agreed. Project proponent is following 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. • Trucks covered with industrial grade tarpaulin during movement
	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.		Agreed and is being/will be complied. Under operation 1 x 750 m ³ Blast furnace has been equipped with Top Recovery Turbine and all other mentioned parameter has been complied.
xviii.	Secondary fume extraction system shall be installed on converters of Steel Melting Shop.		Not applicable, as no Steel melting shop is proposed to be installed. However, side suction to the Induction furnace installed in DIP unit has been provided.
xix.	Basic Oxygen Furnace (BOF) gas shall be cleaned dry.		Agreed and will be complied. As per latest development, the configuration

		change of LD Converter from 1 x 125 Ton + 1 x 100 Ton to 3 x 60 Ton under clause 7(II)(c) of EIA Notification, 2006. The said condition will be complied once the project comes in operation.
xx.	Electric Arc Furnace shall be closed type with 4 th hole extraction system.	<p>Agreed and noted for compliance.</p> <p>Ferro alloy plant is not yet implemented. As per latest development, management of the company has surrendered 2 x 9 MVA Submerged Arc furnace-Ferro Alloy Plant out of 4 X 9 MVA submerged arc furnace and intimated under clause 7(II) (c) of EIA Notification, 2006. Required changes will be carried out and plant will be designed to comply with the condition mentioned. The said condition will be complied once the project comes in operation.</p>
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.	<p>Agreed and noted for compliance.</p> <p>The plant will be designed to comply with the condition mentioned.</p>
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.	<p>Agreed and will be complied once the project comes in operation.</p> <p>Cold rolling mill is surrendered and scaling down of pickling line and galvanizing line is scaled down from 2.0 million TPA to 1.6 million TPA</p> <p>Effluent from process is getting treated in ETP plant and treated water is getting reused in plant process.</p>  <p style="text-align: center;">Effluent Treatment Plant area</p>
xxiii.	Dust emission from all the stacks shall be less than 30 mg/Nm ³ .	<p>Agreed and is being/will be complied.</p> <p>As stated in S. No. i & ii, the company is currently operating 0.32 million TPA</p>

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		<p>Seamless Pipe/Tube along with 03 sets of 3 x 3,500 m³/Hr (31,500 m³/Hr) Coal Gasifier Plant; 1.3 million TPA Ductile Iron Pipe, Fitting and Accessories; 1.617 million TPA Iron Ore Sinter from 1 x 130 m² sinter plant; 1.0 million TPA Hot Molten Metal from 1 x 750 m³ Blast Furnace with recuperator along with 3.67 Megawatt Power Generation from 1 x 750 m³ Blast furnace TRT & 1 x 3,000 TPD Pig Casting Machine (PCM) and 400 Metric Tonnes/Day Oxygen from 2 x 200 TPD Oxygen Plant after obtaining valid Consent to Operate (Valid up to 31.03.2028) from West Bengal Pollution Control Board.</p> <p>Latest stack emission report carried by NABL accredited laboratory for operation plant is enclosed as Annexure-II.</p>
xxiv.	Air Cooled condensers shall be used in the captive power plant.	<p>Agreed and noted for compliance.</p> <p>The said condition will be taken care of at the time of finalizing the plant/process design.</p>
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.	Is being/will be complied.
	b. Wet scrubbers in paint and bitumen coating area.	We have obtained valid Consent to Operate (Valid up to 31.03.2028) from West Bengal Pollution Control Board vide CTO No.: WBPCB/6784254/2025 dated 14.05.2025 obtained for 0.7 million Tonnes/Year and
	c. Bag Filter in Cement lining area.	
	d. PTFE dipped bags shall be used	

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	in the plant.	WBPCB/5836524/2024 dated 26.12.2024 obtained for 0.6 million Tonnes/Year for Ductile Iron Pipe, Fitting and Accessories and said conditions are being complied.
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>Is being complied.</p> <p>Rainwater harvesting structure is already implemented.</p>  <p style="text-align: center;">Rainwater harvesting pond</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 is being utilized in the greenbelt development and dust suppression. ETP has been installed for the operational plant.</p>
xxix.	Action Plan for firefighting 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 firefighting, 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>  <p style="text-align: center;">Fire Alarms</p> <p style="text-align: center;">Fire Fighting System</p>
xxx.	A proper action plan must be	<p>Agreed and noted for compliance.</p> <p style="text-align: right;">RASHMI GREEN HYDROGEN STEEL PVT. LTD.</p> <p style="text-align: right;"><i>Director/Authorised Signatory</i></p>

	implemented to dispose of the electronic waste generated in the industry.	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.
xxxii.	All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.	<p>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 ₹ 12.15 Crores under EMP for social and infrastructure development has been spent till September 2025. Photographs are enclosed as Annexure-IV.</p>
xxxiii.	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the	<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> 



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	measures taken shall also be included in the six-monthly compliance report being submitted by the project proponents.	
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 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>	<p>Agreed and being complied with.</p> <p>Project is under construction phase. The plant is being designed to comply with the condition mentioned. Appropriate APC device has been installed to operational unit.</p>  <p style="text-align: center;">APC devices</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>  <div style="display: flex; justify-content: space-around;"> Water sprinkling Internal Road </div>
S. No.	General Conditions	Compliance Status
I.	Statutory compliance:	<p style="text-align: right;">RASHMI GREEN HYDROGEN STEEL PVT. LTD.</p> <p style="text-align: right;"><i>[Signature]</i> Director/Authorised Signatory</p>

	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.	<p>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 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>	<p>Being Complied With.</p> <p>CEMS has been installed for operational units and integrated with CPCB server. Graphs of CEMS data is enclosed as Annexure-V. CAAQMS have already been purchased and installation will be done soon.</p> <p>Ambient air quality monitored at five locations viz., Near Plant Main Gate, Near Coal Gasifier Unit, Near gate No.- 2, Goyalpur Village, Sinter Plant Area by third party monitoring agency Qualissure Laboratory Services, which is NABL accredited laboratory. As per monitoring reports, emission levels are as follows:</p> <table><tr><th>Parameter</th><th>Goyalpur Village</th><th>Near Plant Main Gate</th><th>Sinter Plant Area</th><th>Near Coal Gasifier Unit</th><th>Near gate No.- 2</th></tr><tr><td>PM₁₀ (µg/m³)</td><td>44</td><td>64</td><td>78</td><td>55</td><td>58</td></tr><tr><td>PM_{2.5} (µg/m³)</td><td>18</td><td>29</td><td>33</td><td>32</td><td>26</td></tr><tr><td>SO₂ (µg/m³)</td><td>6.4</td><td>6.8</td><td>5.0</td><td>5.9</td><td>7.1</td></tr><tr><td>NO₂ (µg/m³)</td><td>20.9</td><td>22.3</td><td>21.7</td><td>24.0</td><td>23.6</td></tr><tr><td>CO (µg/m³)</td><td>458</td><td>755</td><td>400</td><td>755</td><td>355</td></tr></table> <p>Latest Ambient Air Quality Monitoring Analysis reports carried by NABL/MoEF accredited lab are attached in as Annexure-VI.</p>	Parameter	Goyalpur Village	Near Plant Main Gate	Sinter Plant Area	Near Coal Gasifier Unit	Near gate No.- 2	PM ₁₀ (µg/m³)	44	64	78	55	58	PM _{2.5} (µg/m³)	18	29	33	32	26	SO ₂ (µg/m³)	6.4	6.8	5.0	5.9	7.1	NO ₂ (µg/m³)	20.9	22.3	21.7	24.0	23.6	CO (µg/m³)	458	755	400	755	355
Parameter	Goyalpur Village	Near Plant Main Gate	Sinter Plant Area	Near Coal Gasifier Unit	Near gate No.- 2																																		
PM ₁₀ (µg/m³)	44	64	78	55	58																																		
PM _{2.5} (µg/m³)	18	29	33	32	26																																		
SO ₂ (µg/m³)	6.4	6.8	5.0	5.9	7.1																																		
NO ₂ (µg/m³)	20.9	22.3	21.7	24.0	23.6																																		
CO (µg/m³)	458	755	400	755	355																																		



	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 in June 2025 by third party monitoring agency Envirocheck and 12 locations in September 2025 by Qualissure Laboratory Services which is NABL accredited laboratory. Fugitive Emissions monitoring report is enclosed as Annexure-VII.</p>
	iii.	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	<p>Agreed and is being/will be complied.</p> <p>Project is under construction phase. The plant will be designed to comply with the condition mentioned. Sampling facility at for operational plant stacks has been provided.</p>  <p style="text-align: center;">Sampling Facility at Stack</p>
	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 is being/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 style="text-align: center;">Cyclone Separator ID Fan</p>

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			 <p style="text-align: center;">Bag House Filter</p>  <div style="display: flex; justify-content: space-around;"> <p>Vane Filter</p> <p>Wet Scrubber</p> </div>
	v.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	<p>Agreed and is being/will be complied.</p> <p>Leakage detection and mechanized bag cleaning facilities for better maintenance of bags has been/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>  

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			 <p style="text-align: center;">Mechanical sweeping machine</p>  <p style="text-align: center;">Water sprinkling on road</p>
	vii.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.	<p style="text-align: center;">Agreed.</p> <p>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.</p>
	viii.	The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	<p style="text-align: center;">Agreed.</p> <p>Project proponent will follow 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 is 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).	<p>Noted and will be considered in design phase.</p>
	x.	Land-based APC system shall be installed to control coke pushing emissions.	<p>Noted and will be considered in design phase.</p>

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Rashmi


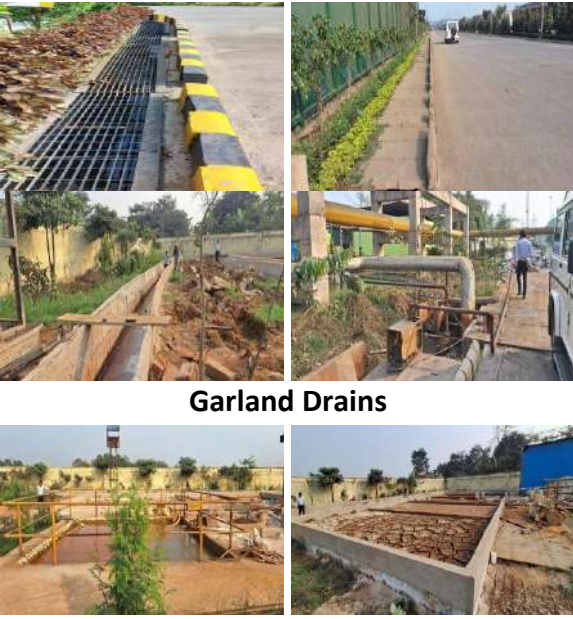
Director/Authorised Signatory

	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 shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.	Not applicable as non-recovery type coke 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	Agreed and is being complied with. The plant is being designed as Zero Liquid Discharge (ZLD) and 100% water is being/will be recycled after treatment and is being/will be used in process, dust suppression & green belt development. Procurement process of CEMS is under progress. Effluent quality has been monitored at ETP inlet & Outlet by third party monitoring agency Qualissure Laboratory Services which is NABL accredited laboratory. Latest effluent Monitoring Analysis reports carried by NABL/MoEF accredited lab are attached in as Annexure–VIII .


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		laboratories.	
	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 2025. Copy of the monitoring report is enclosed as Annexure-IX .
	iii.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	<p>Being complied.</p>  <p style="text-align: center;">Sewage Treatment Plant</p>
	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.	<p>Agreed and noted for compliance.</p> <p>The project is still in construction phase.</p>  <p style="text-align: center;">Garland Drains</p> <p style="text-align: center;">Drain Pit and Sludge Pit</p>
	v.	Tyre washing facilities shall be provided at the entrance of the plant gates.	<p>Agreed and noted for compliance.</p> <p>The project is still in construction phase.</p>

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	vi.	Water meters shall be provided at the inlet to all unit processes in the steel plants.	<p>Being Complied With</p> <p>Water meter has been installed in the operational plant.</p>  <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 by third party monitoring agency Qualissure Laboratory Services which is a NABL accredited laboratory. Noise monitoring reports are attached as Annexure-X.</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 %.	Agreed and is being/will be complied for operational 1 x 750 m ³ Blast Furnace.
	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.	<p>Being Complied With</p> <p>RASHMI GREEN HYDROGEN STEEL PVT. LTD.</p> <p><i>Qualissure</i></p> <p>Director/Authorised Signatory</p>



			 <p style="text-align: center;">Photograph of the LED lights installed in plant</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.	Not applicable as the management has proposed to surrender the Strip Mill/CRM and intimation under the provisions of para 7(ii)c of EIA Notification and its subsequent amendment S.O. 980-(E), dated 2 nd March 2021 submitted on PARIVESH Portal vide proposal no. IA/WB/IND1/527771/2025 dated 17.03.2025.
	ii.	Kitchen waste shall be composted or converted to biogas for further use.	<p style="text-align: center;">Being Complied With.</p> <p>Kitchen wastes are composted and are being used as manure for green belt development.</p>
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 style="text-align: center;">Agreed and is being complied with.</p> <p>Already covered in Specific condition no. X.</p>
	ii.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for	<p style="text-align: center;">Complied.</p> <p>In compliance to the said condition, report submitted with the Half Yearly Compliance</p>

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		reduction of the same including carbon sequestration by trees in the plant premises.	Report December 2023 vide 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.	Agreed and being complied. 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

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			<p>work zone and explaining the benefit of using PPEs. Heat stress analysis in annexed as Annexure- XI</p>  <p style="text-align: center;">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 style="text-align: center;">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. Copy of report enclosed as Annexure-XII.</p>  <p style="text-align: center;">Occupational health surveillance</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.	<p style="text-align: center;">Agreed and being complied.</p>
	ii.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should	<p style="text-align: center;">Complied</p> <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</p>

		<p>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>	<p>already submitted with the Half Yearly Compliance Report December 2023 vide Ref no. RGHSP/EC_SMC/DEC23/2023-24/01 dated 27.11.2023.</p>
	iii.	<p>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>	<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. RGHSP/EC_SMC/DEC23/2023-24/01 dated 27.11.2023.</p>
X.	Miscellaneous		
	i.	<p>The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days</p>	<p>Complied.</p> <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. RGHSP/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>

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		and in addition this shall also be displayed in the project proponent's website permanently.	
	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 is 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>Agreed and 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.</p> <div data-bbox="893 1628 1318 1951" data-label="Image"> </div> <p style="text-align: center;">Display Board</p>

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	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.	Is being complied with. The last compliance report for the period October 2024 to March 2025 has been submitted to ministry vide letter no. RGHSPL/EC_COMPLIANCE/JUNE_1 st _25 dated 19.05.2025 through email 20.05.2025 and uploaded on Parivesh Portal having Compliance ID 127376913 dated 20.05.2025.
	vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Agreed and being complied. Form-V is submitted for the financial year 2024-25 vide letter no. RGHSPL/ENV_Statement_24-25/2025-26/01 dated 24.08.2025 and uploaded on company's website https://www.rashmiseamless.com/quality/ .
	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	Agreed and noted for compliance.

		be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Intimation under the provisions of para 7(ii)c of EIA Notification and its subsequent amendment S.O. 980-(E), dated 2 nd March 2021 submitted on PARIVESH Portal vide proposal no. IA/WB/IND1/527771/2025 dated 17.03.2025.
	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 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.	Agreed and is being complied with.
	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.	Agreed and noted for compliance.

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	The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	
9.	Concealing factual data or submission of false/fabricated data and failure to comply with 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.	Agreed and noted.
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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**Government of West Bengal.
Irrigation and Waterways Department,
Jalsampad Bhavan, Salt Lake, Kolkata-91**

**Memo No. 146-I
I-4M-28/2021**

Dated. 11.06.2025

From: B. Mukhopadhyay
Joint Secretary to the
Government of West Bengal, I&W.Dept.

To: Director , State Water Investigation Directorate (SWID) &
Member Secretary, State Level Groundwater Resources Development Authority
Government of West Bengal
Nirman Bhawan, 3rd Floor, Salt Lake-700091

Sub: Permission to drill bore wells to draw 5000 KLD Sub-surface Water from river bed of Kangsabati at Mouza :Patpacha, Block: Kharagpur in Dist : Paschim Medinipur


Ref : (i)His Memo No.716/2025-26dt 22.05.2025 &(ii) RGHSPL/I&WD/ROWdated 27.03.2024

Sir,

As you are aware that an Inter Departmental Committee was constituted vide I&WDeptt's Order No. 84-I dated 03.04.2025 in order to jointly verify the availability of water,proposed drawal arrangement, proposed conveyance and storage arrangement on the subject matter.Report of this Committee has been submitted to this Department vide memo under Ref-i (copy enclosed) . The same has been examined by the I&WDeptt. and competent authority has accepted the same.

2.Now based on the recommendation of the Committee , you are requested to take further necessary action as per the extant law.

Enclosed : As above



**Joint Secretary (Works)
Irrigation & Waterways Department**

Memo No. 146/1(4) -I
I-4M-28/2021

Dated. 11.06.2025

Copy forwarded for information to the ;

- i) OSD to the Hon'ble Minister-in-Charge , Irrigation & Waterways Department.
- iii) Sr Pr to the Additional Chief Seretary , Irrigation & Waterways Department
- iv) Sr PA to the Seretary , Irrigation & Waterways Department


Joint Secretary to the
Govt. of West Bengal ,I.&W.Deptt.

Memo No. 146/2(4) -I
I-4M-28/2021

Dated. 11.06.2025

Copy forwarded for information and necessary action to:-

- i) The Chief Engineer (South-West) , Irrigation & Waterways Directorate, Khas Jungle, PO-Abas , Dist -West Midnapore .
- ii) The Executive Engineer, West Midnapore Division, Paschim Medinipur. He may impose the site specific terms and conditions in his 'go ahead' order.
- iii) The Executive Engineer, DVC Study Cell & Nodal Officer Single Window Clearance System, Salt Lake, Kolkata.
- iv) M/S Rashmi Green Hydrogen Steel Private Limited
9, AJC Bose Road, 1st Floor, Ideal Centre
Kolkata- 700 017


Joint Secretary to the
Govt. of West Bengal ,I.&W.Deptt.



Qualissure Laboratory Services

361, Prantik Pally, 45/361, Bose Pukur Road, Kolkata - 700107
Email : qualissure@gmail.com; info@qualissure.com; Mob.No. 98312 87086; 9830093976



TC-6271

DOC NO : QLS/SAMP/01-A/00

TEST REPORT

Name & Address Of the Customer :	Report No. :
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date :
Khatranga, Changual, Gopinathpur	Sample No. :
Kharagpur,	Sample Description :
Paschim Mednipur,	Date of performance :
West Bengal-721301	Ref No. Date :

Analysis Result

Date & Time of Sampling : 25.09.2025 at 10:30 hrs.		Sampling Procedures : EPA/IS	
Sampling done by : D.Sahoo			
A : General Information of Stack:			
1	Stack connected to	: 1000 kVA DG (Eng. No-KZC012B61)	
2	Emission due to	: Burning of H.S.D	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Temporary	
6	Generation Capacity	: 1000 kVA	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 7.0 m	
2	Diameter of Stack at bottom	: ----	
3	Diameter of Stack at sampling point	: 0.5 m	
4	Height of the sampling point from ground level	: 7.0 m	
5	Area of Stack	: 0.1964 m ²	
C : Analysis/Characteristic of Stack:		2. Fuel consumption : 160 L/hr	
1	Fuel used : H.S.D.		
D : Results of Sampling & Analysis of gaseous Emission:		RESULT	METHOD
1	Temperature of emission (°C)	: 188	EPA Part 2
2	Barometric pressure (mm of Hg)	: 750	EPA Part 2
3	Velocity of gas (m/sec)	: 13.40	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 6054	EPA Part 2
5	Concentration of Oxygen(%v/v)	: 14.8	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon monoxide (%v/v)	: <0.2	IS:13270-1992, Reaf : 2019
7	Concentration of Carbon dioxide (%v/v)	: 5.0	IS:13270-1992, Reaf : 2019
8	Concentration of Sulphur dioxide (mg/Nm ³)	: ----	EPA Part-6
9	Concentration of Oxides of Nitrogen (ppm)	: ----	EPA Part-7
10	Concentration of Particulate Matters (mg/Nm ³)	: 19	EPA Part 5
E : Pollution Control Device :			
Details of pollution control devices attached with the stack		: NIL	
F : Remarks:			

Report Prepared By :

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.
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- 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-166/25-26/C/08
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date :	15.10.2025
Khatranga, Changua, Gopinathpur	Sample No. :	QLS/P-166/25-26/08
Kharagpur,	Sample Description :	Stack Flue Gas
Paschim Mednipur,	Date of performance :	26.09.2025-15.10.2025
West Bengal-721301	Ref No. Date :	5400034681, Dated - 23.09.2025

Analysis Result

Date & Time of Sampling : 24.09.2025 at 13:30 hrs.		Sampling Procedures : EPA/IS	
Sampling done by : D.Sahoo			
A : General Information of Stack:			
1	Stack connected to	: Coal Gas Fired Reheating Furnace-1	
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)	: 258	EPA Part 2
2	Barometric pressure (mm of Hg)	: 750	EPA Part 2
3	Velocity of gas (m/sec)	: 9.02	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 10212	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: 5.0	IS:13270-1992, Reaf : 2019
9	Concentration of Particulate Matter (mg/Nm ³)	: 13	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

[Signature]
Benimadhab Gorai, Chemist
(Authorized Signatory)

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

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Qualissure Laboratory Services

361, Prantik Pally, 45/361, Bose Pukur Road, Kolkata -700107
Email : qualissure@gmail.com; info@qualissure.com ; Mob.No. 98312 87086 ; 9830093976



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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-166/25-26/C/09
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date : 15.10.2025
Khatranga, Changua, Gopinathpur	Sample No. : QLS/P-166/25-26/09
Kharagpur,	Sample Description : Stack Flue Gas
Paschim Mednipur,	Date of performance : 26.09.2025-15.10.2025
West Bengal-721301	Ref No. Date : 5400034681, Dated - 23.09.2025

Analysis Result

Date & Time of Sampling : 24.09.2025 at 12:40 hrs.		Sampling Procedures : EPA/IS	
Sampling done by : D.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)	: 266	EPA Part 2
2	Barometric pressure (mm of Hg)	: 750	EPA Part 2
3	Velocity of gas (m/sec)	: 8.96	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 9992	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: 5.2	IS:13270-1992, Reaf : 2019
9	Concentration of Particulate Matter (mg/Nm ³)	: 17	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:

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

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

TEST REPORT

Name & Address Of the Customer :	Report No. :	QLS/P-166/25-26/C/10
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date :	15.10.2025
Khatranga, Changual, Gopinathpur	Sample No. :	QLS/P-166/25-26/10
Kharagpur,	Sample Description :	Stack Flue Gas
Paschim Mednipur,	Date of performance :	26.09.2025-15.10.2025
West Bengal-721301	Ref No. Date :	5400034681, Dated - 23.09.2025

Analysis Result

Date & Time of Sampling : 24.09.2025 at 16:00 hrs.		Sampling Procedures : EPA/IS	
Sampling done by : D.Sahoo			
A : General Information of Stack:			
1	Stack connected to	: Hot Water Generator	
2	Emission due to	: Woodchips	
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 : 500 kg/Hr	
D : Results of Sampling & Analysis of gaseous Emission:			
		RESULT	METHOD
1	Temperature of emission (°C)	: 62	EPA Part 2
2	Barometric pressure (mm of Hg)	: 750	EPA Part 2
3	Velocity of gas (m/sec)	: 6.17	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 15318	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: 3.2	IS:13270-1992, Reaf : 2019
7	Concentration of Particulate Matter (mg/Nm ³)	: 23	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 :

(Signature)

for Qualissure Laboratory Services

Reviewed & Authorized By

(Signature)

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TC-6271

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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-166/25-26/C/11
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date : 15.10.2025
Khatranga, Changua, Gopinathpur	Sample No. : QLS/P-166/25-26/11
Kharagpur,	Sample Description : Stack Flue Gas
Paschim Mednipur,	Date of performance : 26.09.2025-15.10.2025
West Bengal-721301	Ref No. Date : 5400034681, Dated - 23.09.2025

Analysis Result

Date & Time of Sampling : 25.09.2025 at 10:30 hrs.		Sampling Procedures : EPA/IS	
Sampling done by : D.Sahoo			
A : General Information of Stack:			
1	Stack connected to	: Magnesium Converter no 7	
2	Emission due to	: Process Activity	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: ----	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 30.0 m	
2	Diameter of Stack at bottom	: ----	
3	Diameter of Stack at sampling point	: 1.38 m	
4	Height of the sampling point from ground level	: 10.0 m (Approx)	
5	Area of Stack	: 1.4963 m ²	
C : Analysis/Characteristic of Stack:			
1	Fuel used : ----	2. Fuel consumption : ----	
D : Results of Sampling & Analysis of gaseous Emission:			
		RESULT	METHOD
1	Temperature of emission (°C)	: 52	EPA Part 2
2	Barometric pressure (mm of Hg)	: 750	EPA Part 2
3	Velocity of gas (m/sec)	: 12.61	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 61458	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
9	Concentration of Particulate Matter (mg/Nm ³)	: 9	EPA Part-5
E : Pollution Control Device :			
Details of pollution control devices attached with the stack : Cyclone Separator & Bag Filter			
F : Remarks: Nil			

Report Prepared By:

Kata

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/P-166/25-26/C/12
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date	: 15.10.2025
Khattranga, Changual, Gopinathpur	Sample No.	: QLS/P-166/25-26/12
Kharagpur,	Sample Description	: Stack Flue Gas
Paschim Mednipur,	Date of performance	: 26.09.2025-15.10.2025
West Bengal-721301	Ref No. Date	: 5400034681, Dated – 23.09.2025

Analysis Result

Date & Time of Sampling : 25.09.2025 at 11:40 hrs.		Sampling Procedures : EPA/IS	
Sampling done by : D.Sahoo			
A : General Information of Stack:			
1 Stack connected to	: Magnesium Convactor no 8		
2 Emission due to	: Process Activity		
3 Material of construction of Stack	: MS		
4 Shape of Stack	: Circular		
5 Whether stack is provided with permanent platform	: Yes		
6 Generation Capacity	: ----		
B : Physical Characteristic of Stack:			
1 Height of Stack from ground level	: 30.0 m		
2 Diameter of Stack at bottom	: ----		
3 Diameter of Stack at sampling point	: 1.38 m		
4 Height of the sampling point from ground level	: 10.0 m (Approx)		
5 Area of Stack	: 1.4963 m ²		
C : Analysis/Characteristic of Stack:			
1 Fuel used : ----	2. Fuel consumption : ----		
D : Results of Sampling & Analysis of gaseous Emission:			
	RESULT	METHOD	LIMIT
1 Temperature of emission (°C)	: 50	EPA Part 2	---
2 Barometric pressure (mm of Hg)	: 750	EPA Part 2	---
3 Velocity of gas (m/sec)	: 13.05	EPA Part 2	---
4 Quantity of gas flow (Nm ³ /hr)	: 63999	EPA Part 2	---
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019	---
6 Concentration of Carbon dioxide (%)	: <0.2	IS:13270-1992, Reaf : 2019	---
9 Concentration of Particulate Matter (mg/Nm ³)	: 11	EPA Part-5	---
E : Pollution Control Device :			
Details of pollution control devices attached with the stack : Cyclone Separator & Bag Filter			
F : Remarks: Nil			

Report Prepared By:

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TC-6271



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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-166/25-26/C/13
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date : 15.10.2025
Khatranga, Changua, Gopinathpur	Sample No. : QLS/P-166/25-26/13
Kharagpur,	Sample Description : Stack Flue Gas
Paschim Mednipur,	Date of performance : 26.09.2025-15.10.2025
West Bengal-721301	Ref No. Date : 5400034681, Dated - 23.09.2025

Analysis Result

Date & Time of Sampling : 25.09.2025 at 13:00 hrs.		Sampling Procedures : EPA/IS	
Sampling done by : D.Sahoo			
A : General Information of Stack:			
1	Stack connected to	: Magnesium Convector no 9	
2	Emission due to	: Process Activity	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: ----	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 30.0 m	
2	Diameter of Stack at bottom	: ----	
3	Diameter of Stack at sampling point	: 1.38 m	
4	Height of the sampling point from ground level	: 10.0 m (Approx)	
5	Area of Stack	: 1.4963 m ²	
C : Analysis/Characteristic of Stack:			
1	Fuel used : ----	2. Fuel consumption : ----	
D : Results of Sampling & Analysis of gaseous Emission:			
		RESULT	METHOD
1	Temperature of emission (°C)	: 49	EPA Part 2
2	Barometric pressure (mm of Hg)	: 750	EPA Part 2
3	Velocity of gas (m/sec)	: 12.38	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 60934	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
9	Concentration of Particulate Matter (mg/Nm ³)	: 7	EPA Part-5
E : Pollution Control Device :			
Details of pollution control devices attached with the stack		: Cyclone Separator & Bag Filter	
F : Remarks: System running without any load condition			

Report Prepared By:

[Signature]

for Qualissure Laboratory Services

Reviewed & Authorized By

[Signature]

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TC-6271

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

TEST REPORT

Name & Address Of the Customer :	Report No. :	QLS/P-166/25-26/C/14
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date :	15.10.2025
Khatranga, Changua, Gopinathpur	Sample No. :	QLS/P-166/25-26/14
Kharagpur,	Sample Description :	Stack Flue Gas
Paschim Mednipur,	Date of performance :	26.09.2025-15.10.2025
West Bengal-721301	Ref No. Date :	5400034681, Dated - 23.09.2025

Analysis Result

Date & Time of Sampling : 25.09.2025 at 14:50 hrs.		Sampling Procedures : EPA/IS	
Sampling done by : D.Sahoo			
A : General Information of Stack:			
1	Stack connected to	: Magnesium Convector no 10	
2	Emission due to	: Process Activity	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: ----	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 30.0 m	
2	Diameter of Stack at bottom	: ----	
3	Diameter of Stack at sampling point	: 1.38 m	
4	Height of the sampling point from ground level	: 10.0 m (Approx)	
5	Area of Stack	: 1.4963 m ²	
C : Analysis/Characteristic of Stack:			
1	Fuel used : ----	2. Fuel consumption : ----	
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)	: 750	EPA Part 2
3	Velocity of gas (m/sec)	: 12.78	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 61372	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
9	Concentration of Particulate Matter (mg/Nm ³)	: 13	EPA Part-5
E : Pollution Control Device :			
Details of pollution control devices attached with the stack		: Cyclone Separator & Bag Filter	
F : Remarks: System running without any load condition			

Report Prepared By:

(Signature)

for Qualissure Laboratory Services
Reviewed & Authorized By

(Signature)
Benimadhab Goral, Chemist
(Authorized Signatory)

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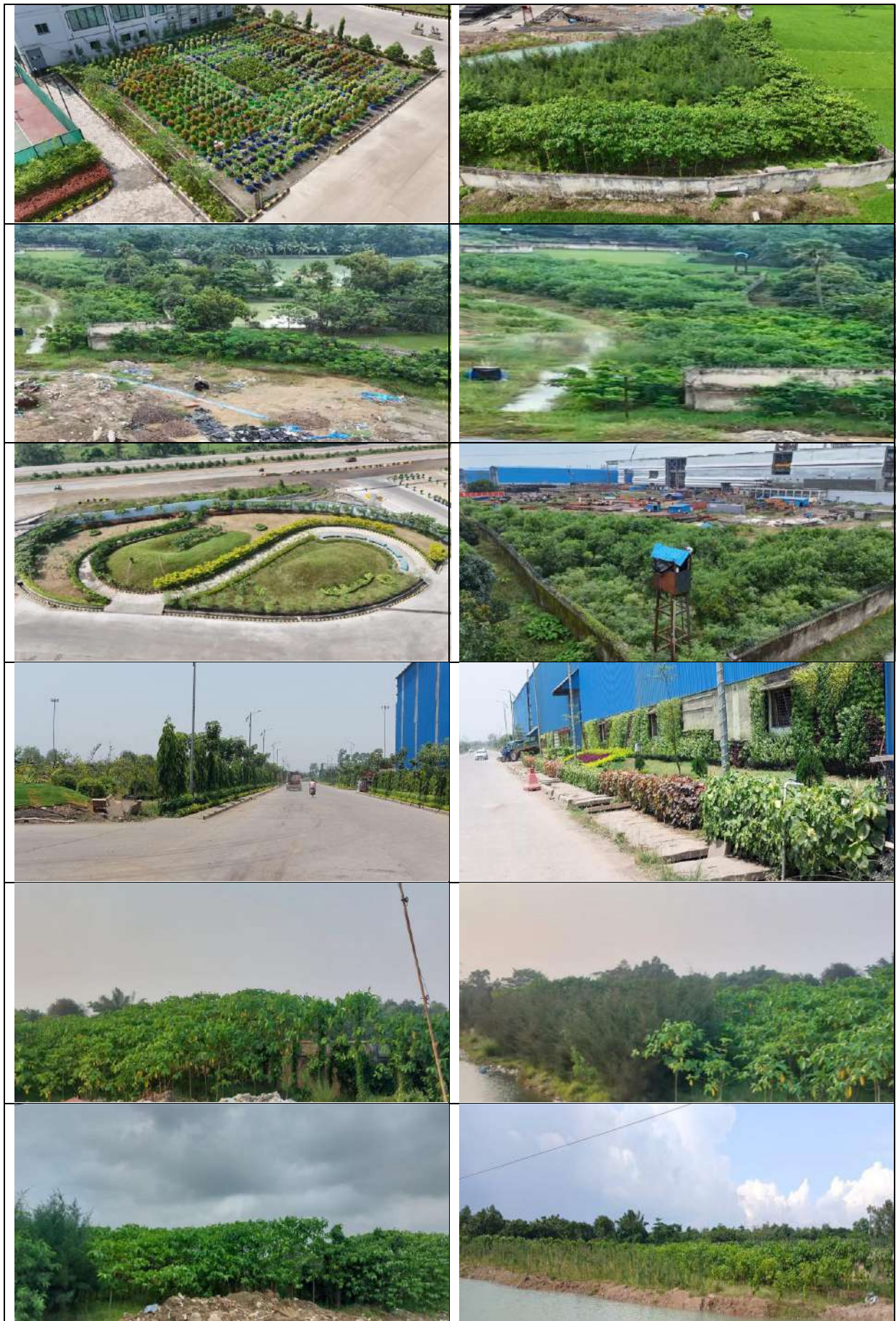
FORMAT FOR PROVIDING PARTICULARS ON GREEN BELT/PLANTATION
UNDER E (P) ACT 1986

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 – Changua (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	
	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	36.83 ha (35% of 105.22 ha)

		in ha./ Nos.	
	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 belt development in nearby area	Around 34,636 saplings are planted under Plant 4 Mother campaign.
8	Details of plantations		

	A	Plantation details (category wise & methodology used)	Year of plantation			
			Nos.			
		Survival of plantation	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26 Till September
	b	- Total Seedling/Plantation (No.)	5,000	80,000	9,000	3500
		- Survival Trees (No) as on date from date of EC	4,400	76,000	8,550	3325
		- Survival	88.0%	95.0%	95.0%	95.0%
	Total no. of plant		92,257			
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 and plantation 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	1,58,26,500
			3	2025-26	10,00,000	-





PHOTOGRAPHS OF THE GREENBELT DEVELOPED INSIDE THE PLANT

CER Photographs



**Manibpur Hanuman
Mandir**



Manibpur Durga Mandir



Manibpur Durga Mandir

Manibpur Bajrang Mandir



Gopinathpur Pre-Primary School



Paiknagari Tutorial Home



Road Development Work



Chakmakrampur Pre-Primary School & Tutorial Home



Jethia Pre-Primary School & Tutorial Home



Mahisha Primary School boundary wall



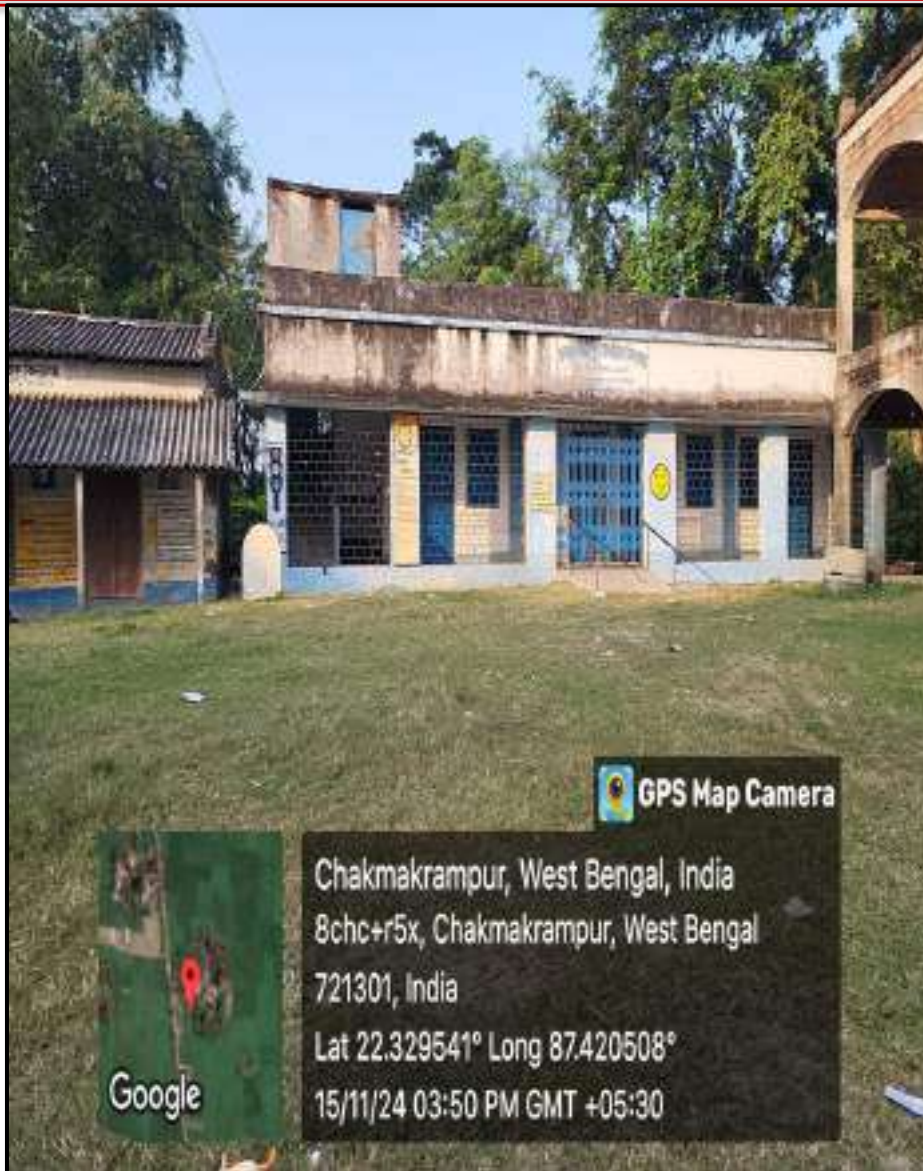
Mahisha Primary School boundary wall



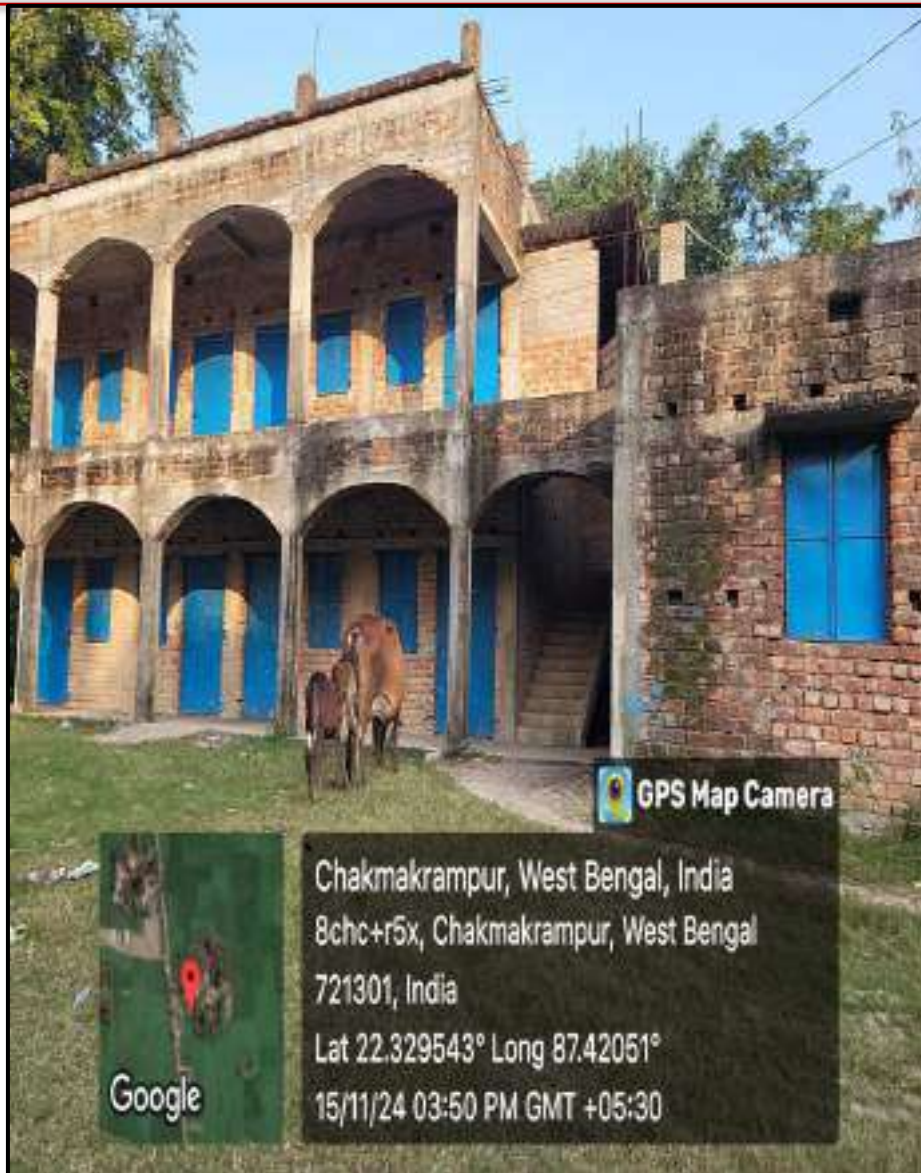
KANTAGARIA DRINKING WATER WELL & MANDIR CONSTRUCTION



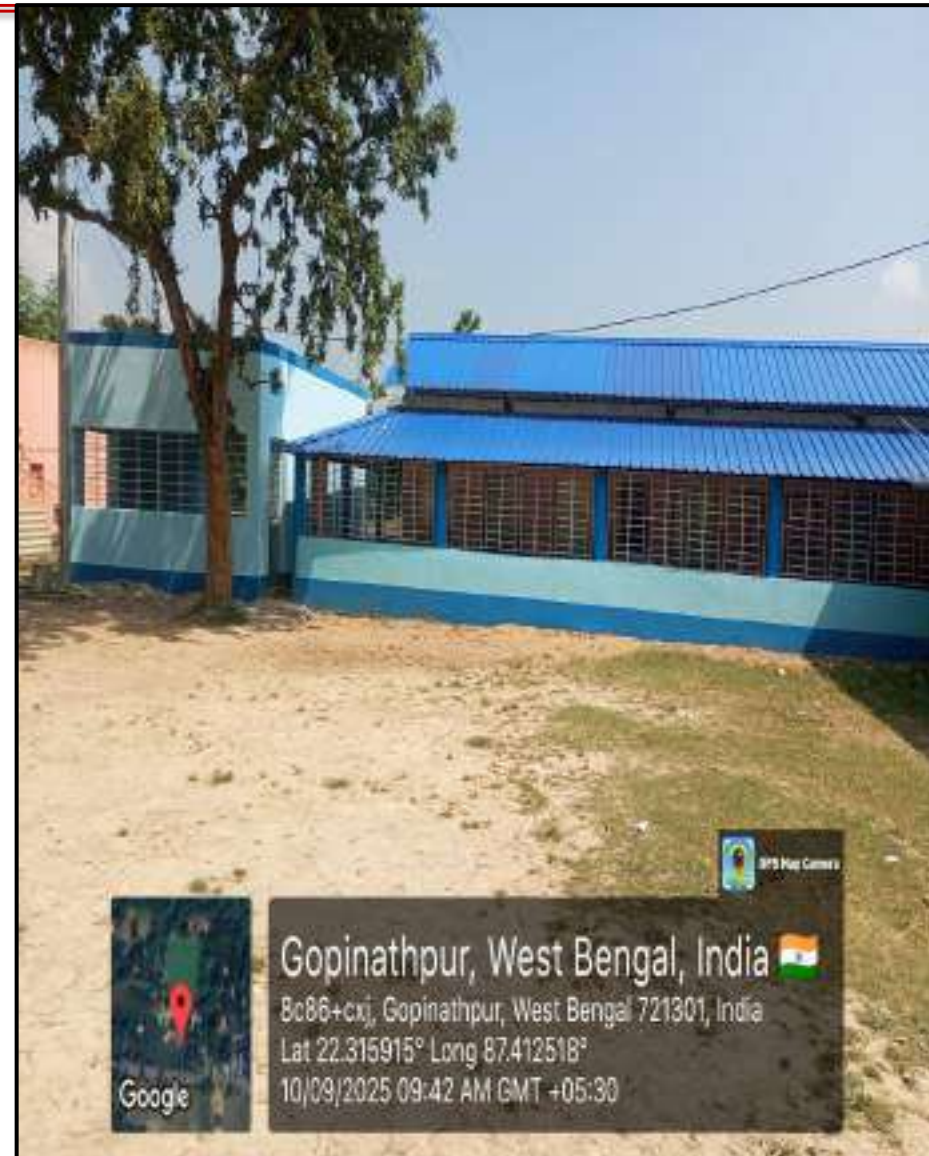
SCHOOL RENOVATION IN CHAKMAKRAMPUR VILLAGE



SCHOOL RENOVATION IN CHAKMAKRAMPUR VILLAGE



SCHOOL RENOVATION IN GOPINATHPUR VILLAGE



SCHOOL RENOVATION IN GOPINATHPUR VILLAGE



BEFORE PICTURE



AFTER PICTURE

HIGHMAST LIGHT INSTALLATION IN KRISHNANAGAR VILLAGE



HIGHMAST LIGHT INSTALLATION IN KRISHNANAGAR VILLAGE



HIGHMAST LIGHT INSTALLATION IN VIKANCHAK



HIGHMAST LIGHT INSTALLATION IN ATSANGRA



GPS Map Camera

Atsangra, West Bengal, India

8c9+xr6, Nawab Rd, Atsangra, West Bengal 721301, India

Lat 22.339888° Long 87.419586°
27/06/2025 11:39 AM GMT +05:30

Google



GPS Map Camera

Atsangra, West Bengal, India

8c9+xr6, Nawab Rd, Atsangra, West Bengal 721301, India

Lat 22.339836° Long 87.419561°
27/06/2025 11:39 AM GMT +05:30

Google

4 NOS HIGHMAST LIGHT INSTALLATION IN BELI VILLAGE



GPS Map Camera

Beli, West Bengal, India

9c8c+785, Beli, West Bengal 721149, India

Lat 22.36558° Long 87.42075°

27/06/2025 11:52 AM GMT +05:30

Google



GPS Map Camera

Beli, West Bengal, India

9c8c+785, Beli, West Bengal 721149, India

Lat 22.365651° Long 87.420651°

27/06/2025 11:52 AM GMT +05:30

Google

HIGHMAST LIGHT INSTALLATION IN BELI VILLAGE



HIGHMAST LIGHT INSTALLATION IN BELI VILLAGE



GPS Map Camera

Beli, West Bengal, India

9c9c+m55, Beli, West Bengal 721149, India
Lat 22.368338° Long 87.421605°
27/06/2025 12:01 PM GMT +05:30

Google



GPS Map Camera

Beli, West Bengal, India

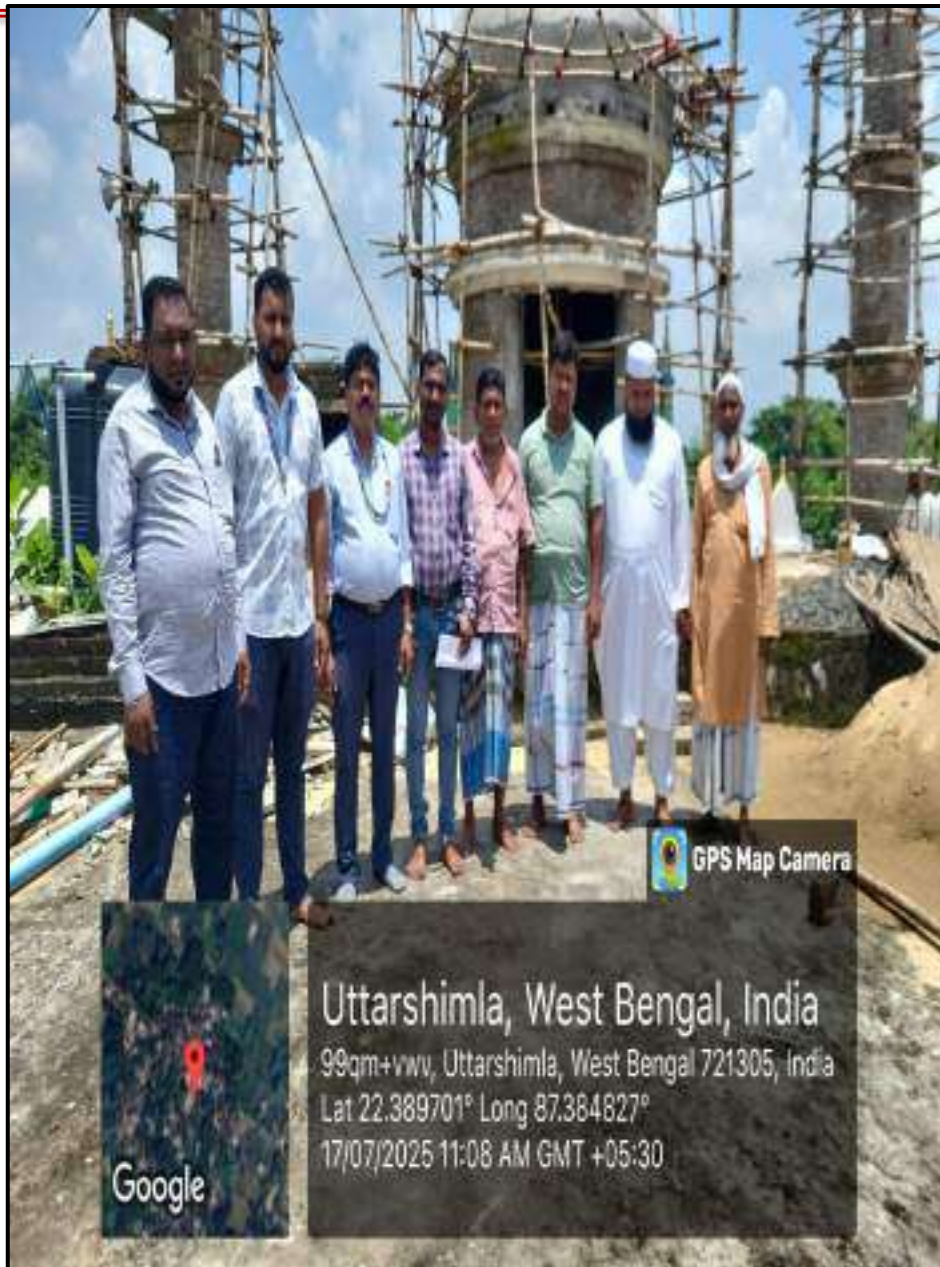
9c9c+c37, Beli, West Bengal 721149, India
Lat 22.368295° Long 87.421559°
27/06/2025 12:02 PM GMT +05:30

Google

HIGHMAST LIGHT INSTALLATION IN BELI VILLAGE



UTTARSIMLA MASJID CONTRUCTION WORK



Rashmi Green Hydrogen Steel Private Limited Stack1_Furnace_1(4.0

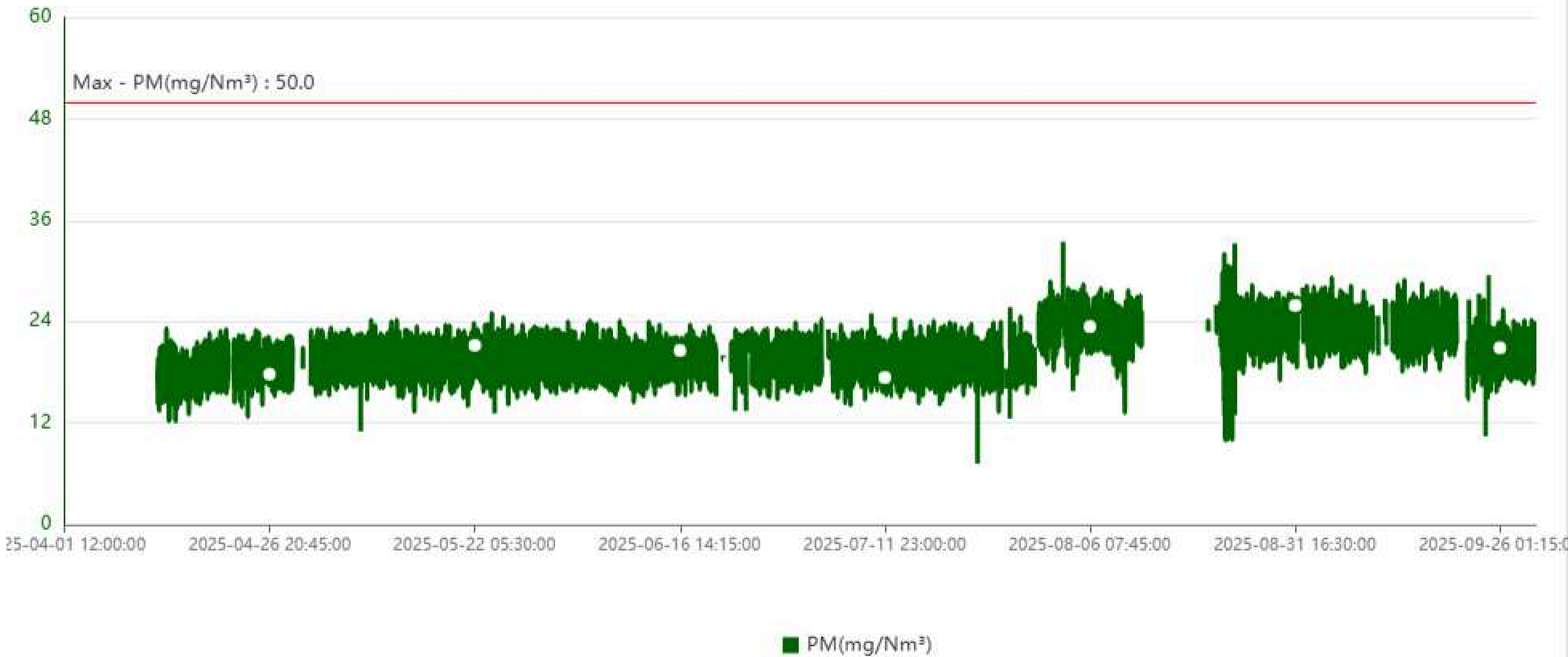
Start Date - 2025-04-01

End Date - 2025-09-30

Average - 15 Minutes

Ton/hr)

Village & Post Office - Jethia, P.S-Kharagpur (Local), District- Paschim Medinipur, PIN-721301,
Kharagpur, West Bengal-721301



Rashmi Green Hydrogen Steel Private Limited Stack2_Furnace _2(6.0

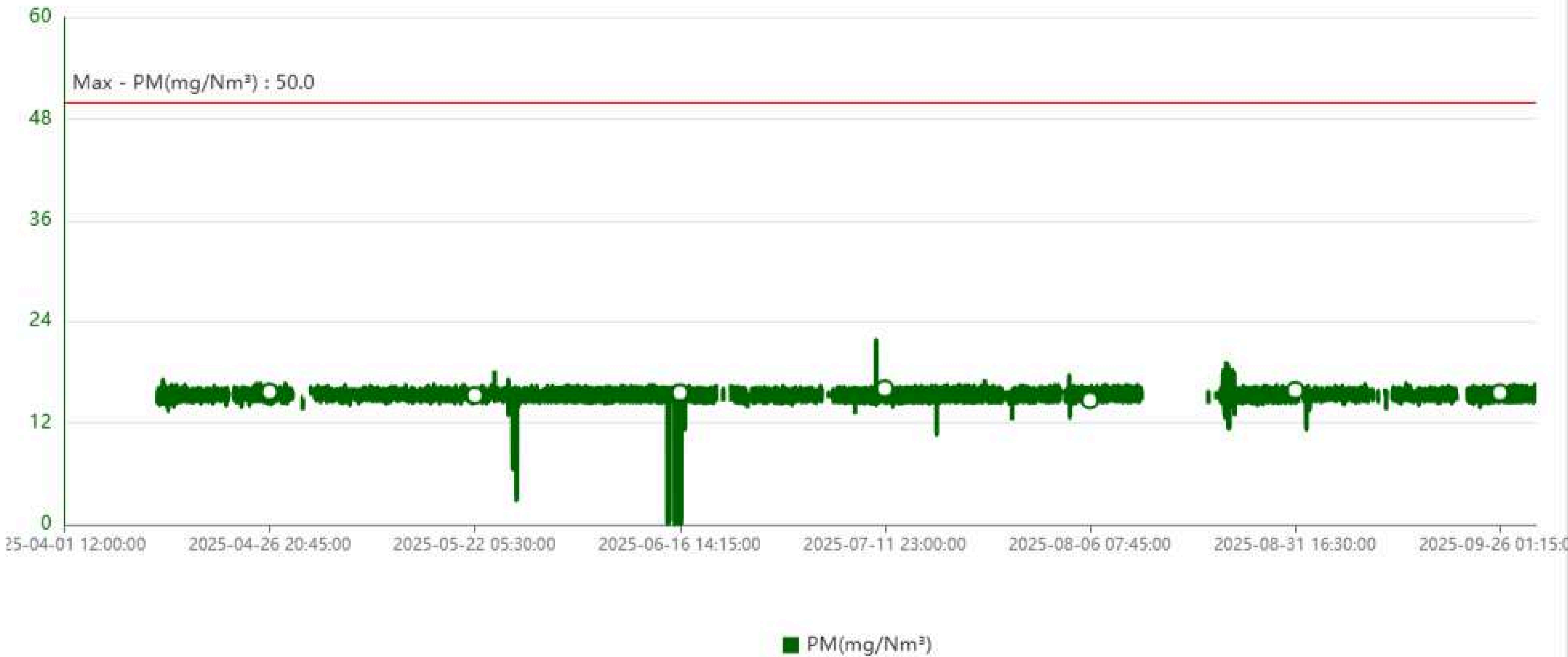
Start Date - 2025-04-01

End Date - 2025-09-30

Average - 15 Minutes

Ton/hr)

Village & Post Office - Jethia, P.S-Kharagpur (Local), District- Paschim Medinipur, PIN-721301,
Kharagpur, West Bengal-721301



Rashmi Green Hydrogen Steel Private Limited Stack3_Furnace_3(6.0

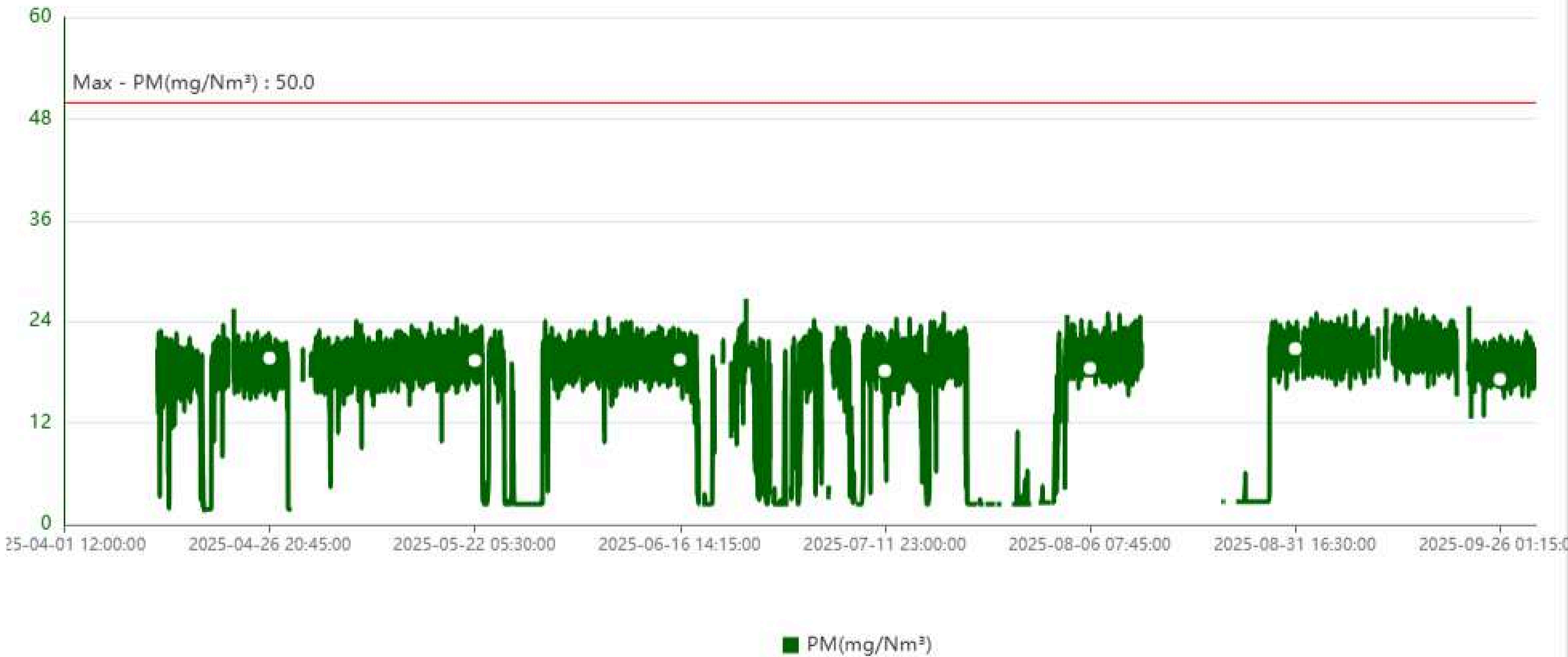
Start Date - 2025-04-01

End Date - 2025-09-30

Average - 15 Minutes

Ton/hr)

Village & Post Office - Jethia, P.S-Kharagpur (Local), District- Paschim Medinipur, PIN-721301,
Kharagpur, West Bengal-721301





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

TEST REPORT

Name & Address Of the Customer :	Report No. :
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date :
Khatranga, Changual, Gopinathpur	Sample No. :
Kharagpur,	Sample Description :
Paschim Mednipur,	Date of performance :
West Bengal-721301	Ref No. Date :
	: QLS/P-166/25-26/C/01
	: 15.10.2025
	: QLS/P-166/25-26/01
	: Ambient Air
	: 26.09.2025-15.10.2025
	: 5400034681, Dated – 23.09.2025

Analysis Result

Location : Near Plant Main Gate			Date of sampling : 24-25.09.2025	
Sampling Done by: J.Sahana/S.Pal			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/m ³	64	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (<2.5µm) in µg/m ³	29	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO ₂) in µg/m ³	6.8	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO ₂) in µg/m ³	22.3	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m ³	755	2000	IS 5182 (Part -10) Reff 2019
6	Ozone (O ₃) in µg/m ³	<19.62	180	IS 5182 (Part-9) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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Qualissure Laboratory Services

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9830093976

DOC NO : QLS/SAMP/08-A/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-166/25-26/C/02 Date : 15.10.2025 Sample No. : QLS/P-166/25-26/02 Sample Description : Ambient Air Date of performance : 26.09.2025-15.10.2025 Ref No. Date : 5400034681, Dated - 23.09.2025
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Analysis Result

Location : Near Coal Gasifier Unit		Date of sampling : 24-25.09.2025		
Sampling Done by: J.Sahana/S.Pal		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/m ³	55	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (<2.5µm) in µg/m ³	32	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO ₂) in µg/m ³	5.9	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO ₂) in µg/m ³	24.0	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m ³	755	2000	IS 5182 (Part -10) Reff 2019
6	Ozone (O ₃) in µg/m ³	<19.62	180	IS 5182 (Part-9) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
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DOC NO : QLS/SAMP/08-A/00

TEST REPORT

Name & Address Of the Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd. Khatranga, Changua, Gopinathpur Kharagpur, Paschim Medinipur, West Bengal-721301	Report No. : QLS/P-166/25-26/C/03 Date : 15.10.2025 Sample No. : QLS/P-166/25-26/03 Sample Description : Ambient Air Date of performance : 26.09.2025-15.10.2025 Ref No. Date : 5400034681, Dated – 23.09.2025
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Analysis Result

Location : Near Gate no-2			Date of sampling : 24-25.09.2025	
Sampling Done by: S.Pal/J.Sahana			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	58	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (<2.5µm) in µg/m³	26	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO₂) in µg/m³	7.1	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO₂) in µg/m³	23.6	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m³	355	2000	IS 5182 (Part -10) Reff 2019
6	Ozone {O₃} in µg/m³	<19.62	180	IS 5182 (Part-9) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Goral, Chemist
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DOC NO : QLS/SAMP/08-A/00

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/P-166/25-26/C/04
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date	: 15.10.2025
Khatranga, Changual, Gopinathpur	Sample No.	: QLS/P-166/25-26/04
Kharagpur,	Sample Description	: Ambient Air
Paschim Mednipur,	Date of performance	: 26.09.2025-15.10.2025
West Bengal-721301	Ref No. Date	: 5400034681, Dated - 23.09.2025

Analysis Result

Location : Goyalpur Village			Date of sampling : 25-26.09.2025	
Sampling Done by: J.Sahan/S.Pal			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	44	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (<2.5µm) in µg/m³	18	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO₂) in µg/m³	6.4	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO₂) in µg/m³	20.9	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m³	458	2000	IS 5182 (Part -10) Reff 2019
6	Ozone (O₃) in µg/m³	<19.62	180	IS 5182 (Part-9) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
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TEST REPORT

Name & Address Of the Customer :	Report No. :
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date :
Khadranga, Changuai, Gopinathpur	Sample No. :
Kharagpur,	Sample Description :
Paschim Medinipur,	Date of performance :
West Bengal-721301	Ref No. Date :
	: 5400034681, Dated - 23.09.2025

Analysis Result

Location : Sinter Plant Area			Date of sampling : 25-26.09.2025	
Sampling Done by: J.Sahan/S.Pal			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	78	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (<2.5µm) in µg/m³	33	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO₂) in µg/m³	5.0	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO₂) in µg/m³	21.7	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m³	400	2000	IS 5182 (Part -10) Reff 2019
6	Ozone (O₃) in µg/m³	<19.62	180	IS 5182 (Part-9) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
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DOC NO : QLS/SAMP/08-B/00

TEST REPORT

Name & Address Of the Customer :	Report No. :
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date :
Khatranga, Changua, Gopinathpur	Sample No. :
Kharagpur,	Sample Description :
Paschim Mednipur,	Date of Performance(s) :
West Bengal-721301	Ref. No. & Date :

Analysis Result of Fugitive Air

Sample No.	Sampling Location	Date of Monitoring	SPM in $\mu\text{g}/\text{m}^3$	RPM in $\mu\text{g}/\text{m}^3$	SO ₂ in $\mu\text{g}/\text{m}^3$	NO ₂ in $\mu\text{g}/\text{m}^3$
17	Finishing Production Area (Seamless)	24.09.2025	257	189	8.0	29.6
18	Hot Mill Area (Seamless)		339	286	9.4	23.6
19	Surface Treatment Area (Seamless)		218	136	7.8	21.6
20	Bitumen Line Plant No – 7		222	147	8.3	23.5
21	Bitumen Line Plant No – 8	25.09.2025	331	212	8.2	24.0
22	Bitumen Line Plant No – 9		215	119	8.1	25.3
23	Bitumen Line Plant No – 10		271	147	8.0	23.1
24	Small Dia Pipe Plant No – 6		296	187	7.1	22.7
25	Small Dia Pipe Plant No – 7	26.09.2025	279	163	6.9	23.8
26	Small Dia Pipe Plant No – 8		360	217	7.6	21.5
27	Small Dia Pipe Plant No – 9		251	188	8.2	23.9
28	Small Dia Pipe Plant No – 10		183	133	7.3	20.3
METHOD OF TEST REFERENCE			IS 5182 (Part-4) Ref 2019	IS 5182 (Part-23) Ref 2022	IS 5182 (Part-2) Ref 2023	IS 5182 (Part -6) Ref 2017

Report Prepared By :

[Signature]

for Qualissure Laboratory Services
Reviewed & Authorized By

[Signature]

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-166/25-26/C/32
	Date	: 15.10.2025
	Sample No.	: QLS/P-166/25-26/32
	Sample Description	: Effluent
	Sample Mark	: FTP Inlet
	Sample Drawn On	: 24.09.2025
	Date of Performance	: 26.09.2025-14.10.2025
	Ref No. Date	: 5400034681, Dated – 23.09.2025

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 ^o C	APHA 24 th Edition 2023, 4500 H+	6.59	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	96	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	369	250	---
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2019	130	30	350
5.	Oil & Grease in mg/l	APHA 24 th Edition-2023, 5520B	16.9	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 :	Report No. : QLS/P-166/25-26/C/33
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date : 15.10.2025
Khatranga, Changual, Gopinathpur	Sample No. : QLS/P-166/25-26/33
Kharagpur,	Sample Description : Effluent
Paschim Mednipur,	Sample Mark : ETP Outlet
West Bengal-721301	Sample Drawn On : 24.09.2025
	Date of Performance : 26.09.2025-14.10.2025
	Ref No. Date : 5400034681, Dated – 23.09.2025

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 ⁰ C	APHA 24 th Edition-2023, 4500 H+	7.57	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	18	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	87	250	---
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2019	22	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
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DOC NO : QLS/SAMP/08-D/00

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627125000004093F
	Report No.	: QLS/P-166/25-26/C/34
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd. Khatranga, Changual, Gopinathpur Kharagpur, Paschim Mednipur, West Bengal-721301	Date	: 15.10.2024
	Sample No.	: QLS/P-166/25-26/34
	Sample Description	: Ground Water
	Sample Mark	: Near Seamless Plant
	Sample Drawn On	: 24.09.2025
	Date of performance	: 26.09.2025 -14.10.2025
	Ref No. & Date	: 5400034681, Dated – 23.09.2025

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	7.29
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	304
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): 2024	75	200	42.7
9.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2019)	250	1000	58.7
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	0.4
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): 2003(RA 2019)	1.0	No Relaxation	0.47
14.	Magnesium (as Mg) in mg/l	APHA 24 th Edition 2023, 3500 Mg.B	30	100	16.3
15.	Manganese (as Mn) in mg/l	IS 3025 (Part 50): 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	31.6
18.	Alkalinity(as CaCO ₃) in mg/l	IS 3025 (Part 23): 2023	200	600	191.9
19.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2009 (RA 2023)	200	600	174.6
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	0.04
26.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2003 (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 Mednipur, West Bengal-721301	ULR No.	: TC627125000004094F
	Report No.	: QLS/P-166/25-26/C/35
	Date	: 15.10.2025
	Sample No.	: QLS/P-166/25-26/35
	Sample Description	: Drinking Water
	Sample Mark	: Near SDP Plant 8
	Sample Drawn On	: 24.09.2025
	Date of performance	: 26.09.2025-14.10.2025
	Ref No. & Date	: 5400034681, Dated - 23.09.2025

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	7.24
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	294
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): 2024	75	200	46.6
9.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2019)	250	1000	63.6
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	0.37
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): 2003(RA 2019)	1.0	No Relaxation	0.48
14.	Magnesium (as Mg) in mg/l	APHA 24 th Edition 2023, 3500 Mg B.	30	100	18.6
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	0.7
17.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): Sec1, 2022	200	400	28.2
18.	Alkalinity(as CaCO ₃) in mg/l	IS 3025 (Part 23): 2023	200	600	181.8
19.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2009 (RA 2023)	200	600	194.0
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	0.12
26.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2003 (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, 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.	: TC627125000004097F
	Report No.	: QLS/P-166/25-26/C/36
	Date	: 15.10.2025
	Sample No.	: QLS/P-166/25-26/36
	Sample Description	: Ground Water
	Sample Mark	: Near Sinter Plant
	Sample Drawn On	: 24.09.2025
	Date of performance	: 26.09.2025-14.10.2025
	Ref No. & Date	: 5400034681, Dated – 23.09.2025

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	7.43
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	256
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	38.8
9.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2019)	250	1000	48.9
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	0.14
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): 2003(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	16.3
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	0.77
17.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): Sec1, 2022	200	400	29.4
18.	Alkalinity(as CaCO ₃) in mg/l	IS 3025 (Part 23): 2023	200	600	151.5
19.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2009 (RA 2023)	200	600	164.9
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

Soumy Chakraborty, Microbiologist
(Authorized Signatory)

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

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee, 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-166/25-26/C/06A
M/s. Rashmi Green Hydrogen Steel Pvt Ltd.	Date	: 15.10.2025
Khatranga, Changual, Gopinathpur	Sample No.	: QLS/P-166/25-26/06A
Kharagpur,	Date of Performance	: 26.09.2025-15.10.2025
Paschim Mednipur,	Sample Description	: Noise Monitoring
West Bengal-721301	Ref No. Date	: 5400034681, Dated – 23.09.2025

Monitoring Result of Noise

Sampling Done By: D.Sahoo			
Sampling Guideline : As per IS: 9989: 1981 (RA-2020)			
Location : Near Coal Casifier Unit			
Date of Monitoring : 20.09.2025-21.09.2025			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	54.3	50.2	53.1
07.00-08.00	64.2	50.2	59.7
08.00-09.00	65.5	54.3	59.9
09.00-10.00	64.2	54.3	59.2
10.00-11.00	61.6	58.3	60.1
11.00-12.00	62.5	45.3	55.9
12.00-13.00	65.3	60.2	63.7
13.00-14.00	64.7	58.2	61.9
14.00-15.00	62.8	56.3	60.5
15.00-16.00	62.2	56.3	60.3
16.00-17.00	60.6	54.3	58.4
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	50.2	47.6	49.2
00.00-01.00	50.4	48.6	49.9
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
60.9	49.5	56.3

Report Prepared By:

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-166/25-26/C/06B
M/s. Rashmi Green Hydrogen Steel Pvt Ltd.	Date	: 15.10.2025
Khatranga, Changual, Gopinathpur	Sample No.	: QLS/P-166/25-26/06B
Kharagpur,	Date of Performance	: 27.09.2025-15.10.2025
Paschim Mednipur,	Sample Description	: Noise Monitoring
West Bengal-721301	Ref No. Date	: 5400034681, Dated - 23.09.2025

Monitoring Result of Noise

Sampling Done By: D.Sahoo			
Sampling Guideline : As per IS: 9989: 1981 (RA-2020)			
Location : Gate No 1			
Date of Monitoring : 20.09.2025-21.09.2025			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	52.9	45.2	49.8
07.00-08.00	54.7	48.2	51.9
08.00-09.00	58.3	51.2	55.4
09.00-10.00	55.3	49.8	52.2
10.00-11.00	60.2	45.3	54.4
11.00-12.00	58.3	48.3	52.5
12.00-13.00	60.2	41.2	48.5
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	45.3	49.1
01.00-02.00	50.1	41.2	44.0
02.00-03.00	40.2	36.3	38.1
03.00-04.00	49.3	35.3	40.1
04.00-05.00	48.3	38.6	43.6
05.00-06.00	48.5	48.0	48.3

Leq dB Day Time	Leq dB Night Time	Average dB
58.6	47.4	52.7

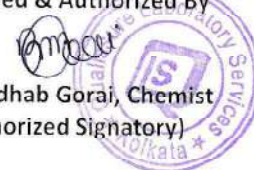
Report Prepared By:

[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-166/25-26/C/06C
M/s. Rashmi Green Hydrogen Steel Pvt Ltd.	Date	: 15.10.2025
Khatranga, Changual, Gopinathpur	Sample No.	: QLS/P-166/25-26/06C
Kharagpur,	Date of Performance	: 27.09.2025-15.10.2025
Paschim Mednipur,	Sample Description	: Noise Monitoring
West Bengal-721301	Ref No. Date	: 5400034681, Dated – 23.09.2025

Monitoring Result of Noise

Sampling Done By: D.Sahoo			
Sampling Guideline : As per IS: 9989: 1981 (RA-2020)			
Location : Gate no. 3			
Date of Monitoring : 21.09.2025-22.09.2025			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	50.2	41.2	47.4
07.00-08.00	54.8	50.2	51.9
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	61.6	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	52.8	44.1	47.5
03.00-04.00	51.8	45.1	46.8
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	50.4	57.8

Report Prepared By:

[Signature]

for Qualissure Laboratory Services
Reviewed & Authorized By

[Signature]
Benimadhab Gorai, Chemist
(Authorized Signatory)

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

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Qualissure Laboratory Services

361, Prantick Pally,
45/361, Bose Pukur Road,
Kolkata - 700107
Email : qualissure@gmail.com
Mob. No. : 9831287086
9830093976

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

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/P-166/25-26/C/29
M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date	: 15.10.2025
Khatranga, Changual, Gopinathpur	Sample No.	: QLS/P-166/25-26/29
Kharagpur,	Sample Mark	: Heat Stress
Paschim Mednipur,	Date of Performance(s)	: 26.09.2025-15.10.2025
West Bengal-721301	Ref. No. & Date	: 5400034681, Dated – 23.09.2025

Monitoring Result

Location : Seamless Plant
Date & Time of sampling : 25.09.2025 & 13:30 hrs
Sampling Done by: J.Sahana
Barometric Pressure (P _{Bar}) in mm of Hg : 750
Dry bulb Temperature (DB) in °C : 33
Wet bulb Temperature (WB) in °C : 29
Globe Temperature (GT) in °C : 30
*WBGT in °C : 29.3
NOTE: * WBGT °C = 0.7 X WB + 0.3 X GT

Report Prepared By:

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Goral, Chemist
(Authorized Signatory)



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

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Name ABHISHEK JHA Age 29 Gender M Date 28/03/25

General Examination : No Abnormality

Medical History :

Blood Group : 10' POSITIVE

Hemogram : Hb - 14.4 g/dL

Random Blood Sugar :

Creatinine : 0.87 mg/dL

(Report
Attaching)

Lipid Profile :	Total Cholesterol	Triglycerides	HDL Cholesterol	Non-HDL Cholesterol	LDL Cholesterol
	152	163	35	117	84.2

PFT :

ECG :

X-Ray : Chest

(100)

Vitals :	BP mmHg	PR bpm	SPO ₂ %	Temperature °F
	<u>150/80</u>	<u>74</u>	<u>99</u>	<u>98.6</u>

Advice :

AFTER EXAMINATION & REVIEW OF REPORTS, I AM OF OPINION

Mr./Mrs. ABHISHEK JHA

IS FIT / UN-FIT FOR DUTY.

Dr. ABHISHEK DAS
MBBS

ABHISHEK DAS

Doctor Signature with Seal

Patient Name : Mr.ABHISHEK JHA
Age/Gender : 29 Y 0 M 0 D /M
UHID/MR No : DKRR.0000037121
Visit ID : DKRR0PV51457
Ref Doctor : Dr.SELF
IPROP NO :

Collected : 21/Mar/2025 09:12PM
Received : 22/Mar/2025 04:57PM
Reported : 22/Mar/2025 08:48PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : —No Data Found— KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Unit	Bio. Ref. Interval	Method
HEMOGRAM , WHOLE BLOOD EDTA				
HAEMOGLOBIN	14.4	g/dL	13-17	Spectrophotometer
PCV	42.60	%	40-50	Electronic pulse & Calculation
RBC COUNT	4.6	Million/cu.mm	4.5-5.5	Electrical Impedance
MCV	92.6	fL	83-101	Calculated
MCH	31.4	pg	27-32	Calculated
MCHC	33.9	g/dL	31.5-34.5	Calculated
R.D.W	15.8	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	9,050	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYTIC COUNT (DLC)				
NEUTROPHILS	58	%	40-80	Flow cytometry
LYMPHOCYTES	30	%	20-40	Flow cytometry
EOSINOPHILS	03	%	1-6	Flow cytometry
MONOCYTES	09	%	2-10	Flow cytometry
BASOPHILS	00	%	0-2	Flow cytometry
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	5249	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	2715	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	271.5	Cells/cu.mm	20-500	Calculated
MONOCYTES	614.5	Cells/cu.mm	200-1000	Calculated
Neutrophil lymphocyte ratio (NLR)	1.93		0.78- 3.53	Calculated
PLATELET COUNT	171000	cells/cu.mm	150000-410000	Electrical impedance
MPV	13.3	fL	8.1-13.9	Calculated
ESR	9	mm at 1 hour	0-15	Modified Westergren

PERIPHERAL SMEAR

RBC- Normocytic Normochromic, WBC- Normal Morphology, Platelet- Adequate.

Page 1 of 4

Chandan Singh

Dr.Chandan Singh
M.B.B.S,M.D(Pathology)
Consultant Pathologist



SIN No:HA08675022

Apollo Health and Lifestyle Limited

(CIN - U80110TG2000PLC115819)

Corporate Office: T-1-617/A, 7th Floor, Imperial Towers, Amcopol, Hyderabad-500016, Telangana

Ph No: 040-4934 7777 | www.apollolab.com | Email:lab.enquiry@apollolab.com

www.apoliodiagnostics.in



Scanned with OKEN Scanner

Patient Name : Mr.ABHISHEK JHA
Age/Gender : 29 Y O M O D M
UHID/MR No : DKRR.0000037121
Visit ID : DKRROPV51457
Ref Doctor : Dr.SELF
IP/OP NO :

Collected : 21/Mar/2025 09:12PM
Received : 22/Mar/2025 04:57PM
Reported : 22/Mar/2025 10:36PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : —No Data Found— KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Unit	Blo. Ref. Interval	Method
BLOOD GROUP ABO AND RH FACTOR , WHOLE BLOOD EDTA				
BLOOD GROUP TYPE	B			Forward & Reverse Grouping with Slide/Tube Aggluti
Rh TYPE	POSITIVE			Forward & Reverse Grouping with Slide/Tube Agglutination

Result Reported after evaluation by Column Agglutination Method.

Comment:

1. This tests determines ABO & Rh blood groups (testing for other blood group systems not performed) through immunological reaction between RBC antigen & antibody.
2. ABO system also has Subgroups of A, B and rare phenotype as Bombay blood group which requires further testing and required recommendations as per the case will be provided.
3. Rh system in certain individual can have weak or partial Rh D expression which can result in weaker agglutination reactions and hence all Rh D Negative groups need to be further cross verified using Rh Du testing.
4. In case of Newborn - Only forward typing is performed, reverse typing is not performed, since the antibodies are not fully formed. Hence it is recommended to re-test blood grouping after 6 months.
5. In certain cases History of Recent blood transfusion (within 3-4mths), of bone marrow transplantation, certain drugs (especially monoclonal antibody) & certain malignancies may interfere with interpretation of blood grouping.
6. It is always recommended for reconfirmation of the Blood Group along with cross matching before blood transfusion.

Page 2 of 4

Dr. Deep Banerjee

Dr. Deep Banerjee
M.B.B.S., M.D (Pathology)
Consultant Pathologist

SIN No: HA08675022



Patient Name : Mr.ABHISHEK JHA
Age/Gender : 29 Y 0 M 0 D M
UHID/MR No : DKRR.0000037121
Visit ID : DKRROPV51457
Ref Doctor : Dr.SELF
IPIOP NO :

Collected : 21/Mar/2025 09:12PM
Received : 22/Mar/2025 04:33PM
Reported : 22/Mar/2025 06:17PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : ---No Data Found---, KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Unit	Bio. Ref. Interval	Method
LIPID PROFILE , SERUM				
TOTAL CHOLESTEROL	152	mg/dL	< 200	CHOD-PAD
TRIGLYCERIDES	163	mg/dL	< 150	GPO-PAP
HDL CHOLESTEROL	35	mg/dL	>=40 Desirable	Enzymatic Immuno-inhibition
NON-HDL CHOLESTEROL	117	mg/dL	<130	Calculated
LDL CHOLESTEROL	84.2	mg/dL	<100	Calculated
VLDL CHOLESTEROL	32.6	mg/dL	<30	Calculated
CHOL / HDL RATIO	4.32		0-4.97	Calculated
ATHEROGENIC INDEX (AIP)	0.31		<0.11	Calculated

Comment:

Reference Interval as per National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.

	Desirable	Borderline High	High	Very High
TOTAL CHOLESTEROL	< 200	200 - 239	≥ 240	
TRIGLYCERIDES	<150	150 - 199	> 200	≥ 500
LDL	Optimal < 100 Near Optimal 100-129	130 - 159	160 - 189	≥ 190
HDL	≥ 40	Low < 35; Borderline Low 35-40		
NON-HDL CHOLESTEROL	Optimal <130; Above Optimal 130- 159	160-189	190-219	>220

Page 3 of 4

Dr. Riya Bhattacharyya

Dr RIJU BHATTACHARYYA
M.B.B.S.,M.D(Pathology)
Consultant Pathologist
SIN No:BI24847435



Patient Name : Mr.ABHISHEK JHA
Age/Gender : 29 Y O M O D /M
UHID/MR No : DKRR.0000037121
Visit ID : DKRR0PV51457
Ref Doctor : Dr.SELF
IP/OP NO :

Collected : 21/Mar/2025 09:12PM
Received : 22/Mar/2025 04:33PM
Reported : 22/Mar/2025 05:59PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : —No Data Found—,KHARAGPUR WEST
MIDNAPUR

DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Unit	Bio. Ref. Interval	Method
CREATININE, SERUM	0.87	mg/dL	0.7-1.2	Jaffe
eGFR - ESTIMATED GLOMERULAR FILTRATION RATE, SERUM	116.52	mL/min/1.73m ²	>60	CKD-EPI FORMULA

*** End Of Report ***

Dr. RJU BHATTACHARYA

Dr RJU BHATTACHARYA
M.B.B.S,M.D(Pathology)
Consultant Pathologist

SIN No:BI24847435

Page 4 of 4



Dr. Nirmalya Chakraborty

DOS (Cal)

Consultant Optometrist



Enhancing lives — inspiring better health

Date : 21.3.25

Name : Abhishek Jha

Age : 29 Sex : M

C/O :

LV (R/E)

H/U :

REV 6/6(P)

LEV 6/9(P)

Systemic Disease :

Colour Vision :

Normal

R CMC ed
0000
(R/E) 4rimb + 4Wm

Hich
21.3.25

GLASS PRESCRIPTION

	Right Eye				Left Eye			
	DSPH	DCPL	AXIS	V/A	DSPH	DCPL	AXIS	V/A
Distance (DV)	-0.25			6/6	-0.50			6/6
Near Add (NV)	P			M/6	P			M/6

Remarks :

APOLLO DIAGNOSTICS

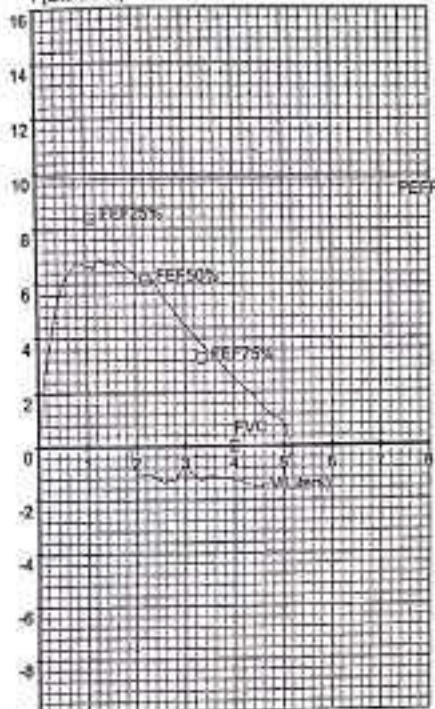
KHARAGPUR, PIN-721301

0681825 - ABHISHEK JHA
Years / Male / Ht 178 Cms / 68 Kgs / Smoker

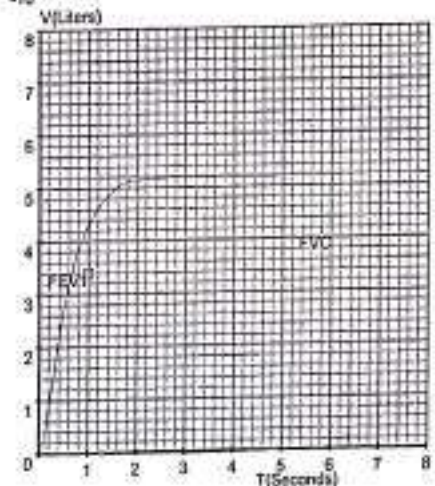
FVC TEST
Date: 21-03-2025 (T1)

Pred Egn : CLARITY Eth.Corr : 100 Temp : 0°C
Ref By : NONE

F(Liters/Sec)



V(Liters)



Pre Medication Report :

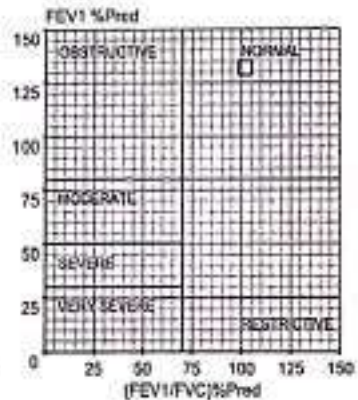
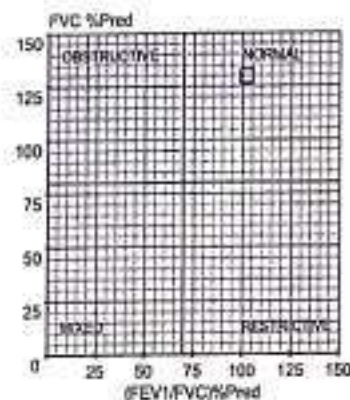
Spirometry within Normal range as FVC% >= 80 And
FEV1/FVC% > 70

Pre COPD Severity Report:

COPD Severity within Normal range

Doctor's Comments :

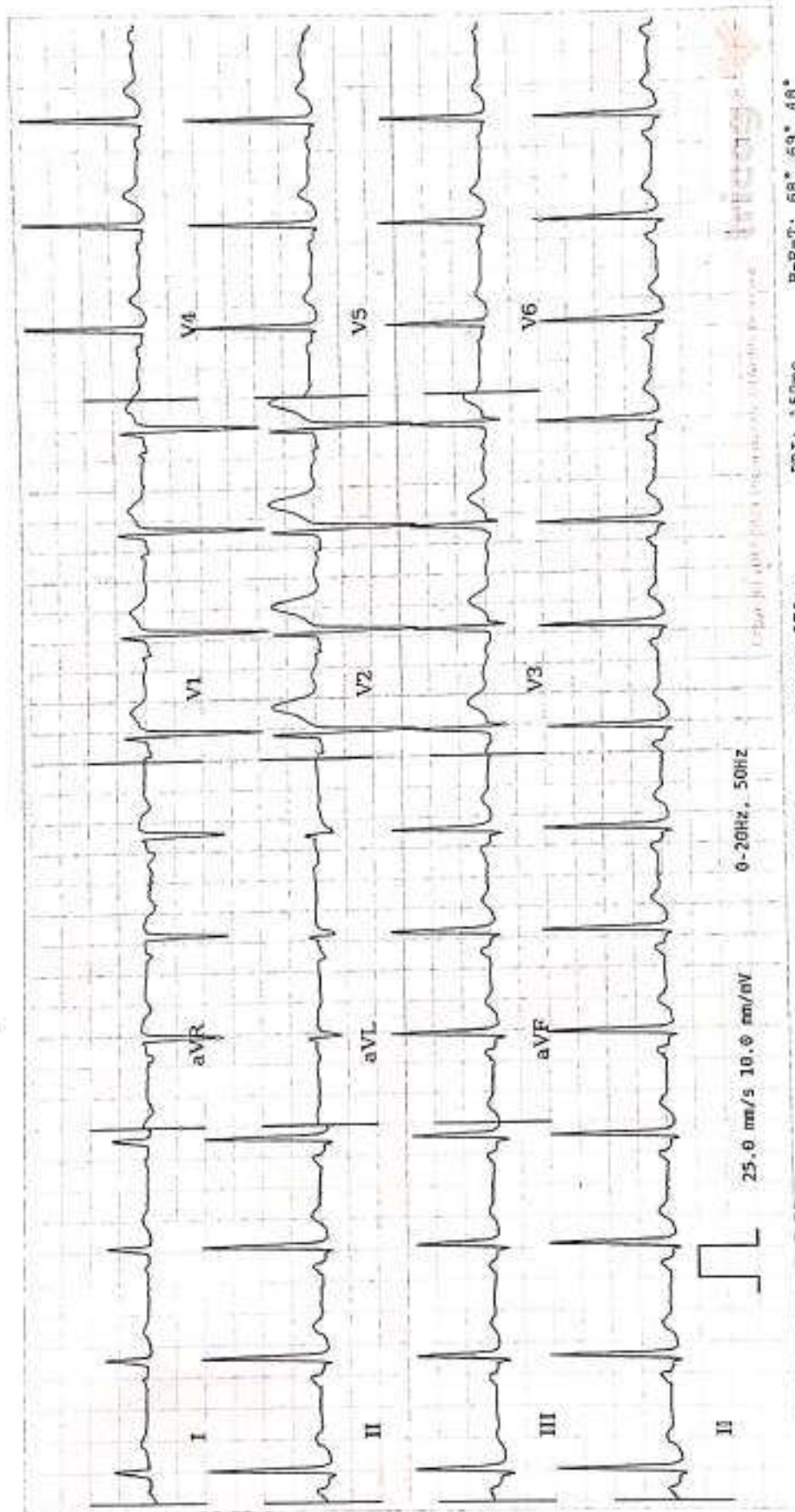
Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L] 4.00	5.19	130	-	-	-
FEV1	[L] 3.38	4.47	132	-	-	-
FEV.5	[L] -	3.13	-	-	-	-
FEV3	[L] 3.88	4.47	115	-	-	-
FEV6	[L] -	-	-	-	-	-
PEFR	[L/s] 9.80	6.94	71	-	-	-
FEF25-75	[L/s] 4.59	5.28	115	-	-	-
FEF75-85	[L/s] -	2.36	-	-	-	-
FEF 2-1.2	[L/s] 8.05	5.91	73	-	-	-
FEF25%	[L/s] 8.38	7.72	92	-	-	-
FEF50%	[L/s] 6.16	6.25	101	-	-	-
FEF75%	[L/s] 3.28	2.90	91	-	-	-
FEV.5/FVC	[%] -	60.35	-	-	-	-
FEV1/FVC	[%] 84.44	85.05	102	-	-	-
FEV3/FVC	[%] 97.00	85.05	89	-	-	-
FEV6/FVC	[%] -	-	-	-	-	-
FEV1/FEV6	[%] -	-	-	-	-	-
FET	[S] -	4.76	-	-	-	-
ExpTime	[S] -	0.25	-	-	-	-
LungAge	[Y] 29.00	20.00	69	-	-	-
FVC	[L] -	3.33	-	-	-	-
PIFR	[L/s] -	1.55	-	-	-	-
PIF25%	[L/s] -	7.51	-	-	-	-
PIF50%	[L/s] -	7.60	-	-	-	-
PIF75%	[L/s] -	7.08	-	-	-	-
PIV.5	[L] -	0.08	-	-	-	-
PIV1	[L] -	0.78	-	-	-	-
PIV3	[L] -	3.05	-	-	-	-
PIV.5/FVC	[%] -	2.33	-	-	-	-
PIV1/FVC	[%] -	23.37	-	-	-	-
PIV3/FVC	[%] -	91.72	-	-	-	-



DR.ABHISHEK DAS

Age / Gender: 29/Male
Patient ID: 8969681825
Patient Name: Abhishek jha

Date and Time: 21st Mar 25 4:32 PM



REPORTED BY

[Signature]

Dr. Prasad Prashanthan

Sinus Rhythm, Non-specific ST/T Wave Changes. LVH by voltage criteria noted, may be a normal variant in view of age, kindly correlate clinically. Please correlate clinically.

Disclaimer: Analysis in this report is based on ECG alone and should only be used as an adjunct to clinical history, symptoms and results of other investigations and must be interpreted by a qualified physician.



MEDI TECH

Advanced Diagnostic Service.

PANSILA :: AMTA :: HOWRAH

Phone - 8293324791 / 9681021707

E mail : meditech.pns@gmail.com

Patient Name : ABHISHEK JHA	Age:21Y
Patient ID: PAT003128	Date: 21/03/2025
Ref. By: APOLLO	Sex: M

X-RAY OF CHEST PA. VIEW

Trachea is central.

No focal active lung parenchymal lesion is seen.

Both costo-phrenic angles are clear.

Cardio thoracic ratio within normal limit.

Both the hila are normal.

Both domes of diaphragm are normal in shape and position.

Visualised portion of ribs appear intact.

IMPRESSION : Skiagram does not reveal any abnormality.

Clinical correlation is suggested

Bhaskar Barman

Digitally Signed by Dr. Bhaskar Barman
WBMC69913 MD Radiodiagnosis

বিঃ দ্রঃ- স্বল্প খরচে সরকারি মূল্যে C T Scan করানোর ব্যবস্থা আছে।



Scanned with OKEN Scanner

Name MANOJ KR. DUBEY Age 50 Gender M Date 28/03/2025

General Examination : NO Abnormality

Medical History :

Blood Group : 'O' negative

Hemogram : Hb- 14.0 g/dL (Report Attached)

Random Blood Sugar :

Creatinine : 1.07 mg/dL

Lipid Profile :	Total Cholesterol	Triglycerides	HDL Cholesterol	Non-HDL Cholesterol	LDL Cholesterol
	<u>175</u>	<u>82</u>	<u>33</u>	<u>142</u>	<u>125.72</u>

PFT :

ECG :

X-Ray : Chest

(NO)

Vitals :	BP mmHg	PR bpm	SPO ₂ %	Temperature °F
	<u>130/90</u>	<u>80</u>	<u>98</u>	<u>98.6</u>

Advice :

AFTER EXAMINATION & REVIEW OF REPORTS, I AM OF OPINION
Mr./Mrs. MANOJ KR. DUBEY
IS FIT / ~~UNFIT~~ FOR DUTY.

Dr. ABHISHEK DAS
MBBS

WBUHS-79394

Doctor Signature with Seal

Patient Name : Mr.MANOJ KUMAR DUBEY
Age/Gender : 50 Y 0 M 0 D/M
UHD/MR No : DKRR.0000037109
Visit ID : DKRR0PV51445
Ref Doctor : Dr.SELF
IP/OP NO :

Collected : 21/Mar/2025 09:00PM
Received : 22/Mar/2025 04:56PM
Reported : 22/Mar/2025 06:35PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : --No Data Found-- KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Unit	Blo. Ref. Interval	Method
HEMOGRAM , WHOLE BLOOD EDTA				
HAEMOGLOBIN	14.0	g/dL	13-17	Spectrophotometer
PCV	41.60	%	40-50	Electronic pulse & Calculation
RBC COUNT	4.01	Million/cu.mm	4.5-5.5	Electrical Impedence
MCV	103.9	fL	83-101	Calculated
MCH	35	pg	27-32	Calculated
MCHC	33.7	g/dL	31.5-34.5	Calculated
R.D.W	13.9	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	5,820	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYTIC COUNT (DLC)				
NEUTROPHILS	63	%	40-80	Flow cytometry
LYMPHOCYTES	27	%	20-40	Flow cytometry
EOSINOPHILS	02	%	1-6	Flow cytometry
MONOCYTES	08	%	2-10	Flow cytometry
BASOPHILS	00	%	0-2	Flow cytometry
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	3666.6	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	1571.4	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	116.4	Cells/cu.mm	20-500	Calculated
MONOCYTES	465.6	Cells/cu.mm	200-1000	Calculated
Neutrophil lymphocyte ratio (NLR)	2.33		0.78- 3.53	Calculated
PLATELET COUNT	258000	cells/cu.mm	150000-410000	Electrical impedence
MPV	9.5	fL	8.1-13.9	Calculated
ESR	17	mm at 1 hour	0-15	Modified Westergren

PERIPHERAL SMEAR

RBC- Normocytic Normochromic.

WBC- Normal Morphology.

Platelet- Adequate


Dr. ABHIK BANERJEE
M.B.B.S., M.D(Pathology)
Consultant Pathologist
SIN No:HA08674999

Page 1 of 5



Patient Name : Mr.MANOJ KUMAR DUBEY
Age/Gender : 50 Y 0 M 0 D /M
UHID/MR No : DKRR,0000037109
Visit ID : DKRR0PV51445
Ref Doctor : Dr.SELF
IP/OP NO :

Collected : 21/Mar/2025 09:00PM
Received : 22/Mar/2025 04:56PM
Reported : 22/Mar/2025 10:36PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : —No Delta Found— KHARAGPUR WEST
MONAPUR

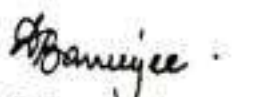
DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Unit	Bio. Ref. Interval	Method
BLOOD GROUP ABO AND RH FACTOR , WHOLE BLOOD EDTA				
BLOOD GROUP TYPE	O			Forward & Reverse Grouping with Slide/Tube Aggluti
Rh TYPE	NEGATIVE			Forward & Reverse Grouping with Slide/Tube Agglutination

Result Reported after evaluation by Column Agglutination Method.

Comment:

1. This tests determines ABO & Rh blood groups (testing for other blood group systems not performed) through immunological reaction between RBC antigen & antibody.
2. ABO system also has Subgroups of A, B and rare phenotype as Bombay blood group which requires further testing and required recommendations as per the case will be provided.
3. Rh system in certain individual can have weak or partial Rh D expression which can result in weaker agglutination reactions and hence all Rh D Negative groups need to be further cross verified using Rh Du testing.
4. In case of Newborn - Only forward typing is performed, reverse typing is not performed, since the antibodies are not fully formed. Hence it is recommended to re-test blood grouping after 6 months.
5. In certain cases History of Recent blood transfusion (within 3-4mlts), of bone marrow transplantation, certain drugs (especially monoclonal antibody) & certain malignancies may interfere with interpretation of blood grouping.
6. It is always recommended for reconfirmation of the Blood Group along with cross matching before blood transfusion.


Dr. Deep Banerjee
M.B.B.S, M.D (Pathology)
Consultant Pathologist

SIN No: HIA08674999

Page 3 of 5



Patient Name : Mr.MANOJ KUMAR DUBEY
Age/Gender : 50 Y O M O D /M
UHID/MR No : DKRR.0000037109
Visit ID : DKRR0PV51445
Ref Doctor : Dr.SELF
IP/OP NO :

Collected : 21/Mar/2025 09:00PM
Received : 22/Mar/2025 04:34PM
Reported : 22/Mar/2025 06:10PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : --No Data Found-- KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Unit	Bio. Ref. Interval	Method
LIPID PROFILE , SERUM				
TOTAL CHOLESTEROL	175	mg/dL	< 200	CHOD-PAD
TRIGLYCERIDES	82	mg/dL	< 150	GPO-PAP
HDL CHOLESTEROL	33	mg/dL	>=40 Desirable	Enzymatic Immunoinhibition
NON-HDL CHOLESTEROL	142	mg/dL	<130	Calculated
LDL CHOLESTEROL	125.72	mg/dL	<100	Calculated
VLDL CHOLESTEROL	16.38	mg/dL	<30	Calculated
CHOL / HDL RATIO	5.32		0-4.97	Calculated
ATHEROGENIC INDEX (AIP)	0.04		<0.11	Calculated

Comment:

Reference Interval as per National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.

	Desirable	Borderline High	High	Very High
TOTAL CHOLESTEROL	< 200	200 - 239	≥ 240	
TRIGLYCERIDES	<150	150 - 199	> 200	≥ 500
LDL	Optimal < 100 Near Optimal 100-129	130 - 159	160 - 189	≥ 190
HDL	≥ 40	Low < 35; Borderline Low 35-40		
NON-HDL CHOLESTEROL	Optimal <130; Above Optimal 130-159	160-189	190-219	>220

Page 4 of 5

Chandan Singh
Dr.Chandan Singh
M.B.B.S,M.D(Pathology)
Consultant Pathologist



SIN No:8124847400

Patient Name : Mr.MANOJ KUMAR DUBEY
Age/Gender : 50 Y 0 M 0 D /M
UHID/MR No : DKRR.0000037109
Visit ID : DKRROPV51445
Ref Doctor : Dr.SELF
IP/OP NO :

Collected : 21/Mar/2025 09:00PM
Received : 22/Mar/2025 04:34PM
Reported : 22/Mar/2025 06:10PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : —No Data Found—,KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Unit	Bio. Ref. Interval	Method
CREATININE , SERUM	1.07	mg/dL	0.7-1.2	Jaffe
eGFR - ESTIMATED GLOMERULAR FILTRATION RATE , SERUM	80.51	mL/min/1.73m ²	>60	CKD-EPI FORMULA

*** End Of Report ***

Page 5 of 5

Chandan Singh.
Dr.Chandan Singh
M.B.B.S,M.D(Pathology)
Consultant Pathologist



SIN No:BI24847400

APOLLO DIAGNOSTICS

KHARAGPUR, PIN-721301

7001177567 - MANOJ KR. DUBEY

50 Years / Male / Ht 168 Cms / 67 Kgs / Non-Smoker

FVC TEST

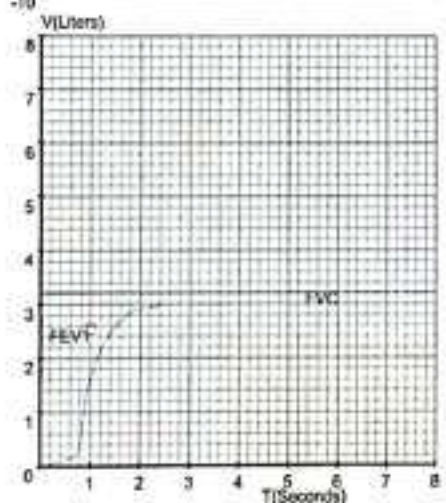
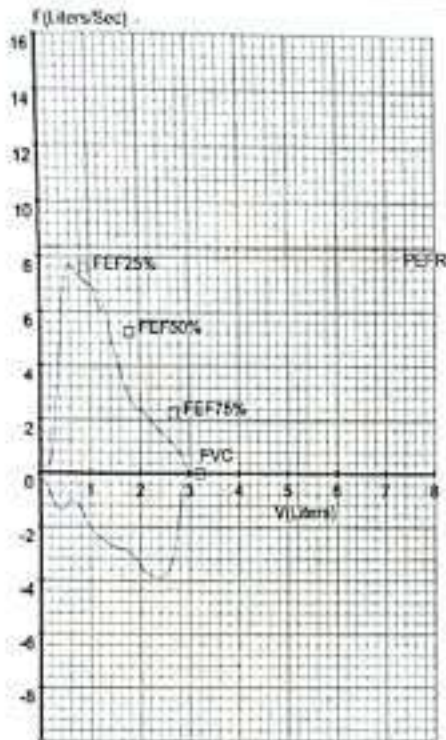
Date: 21-03-2025 (T1)

Pred Eqn : CLARITY

Eth.Corr : 100

Temp : 0°C

Ref By : NONE



Pre Medication Report :

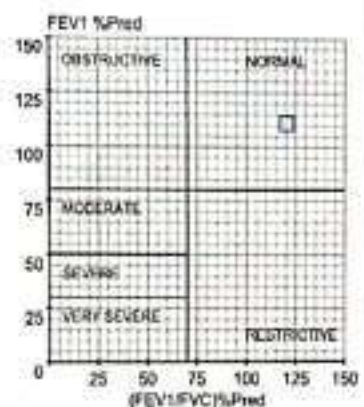
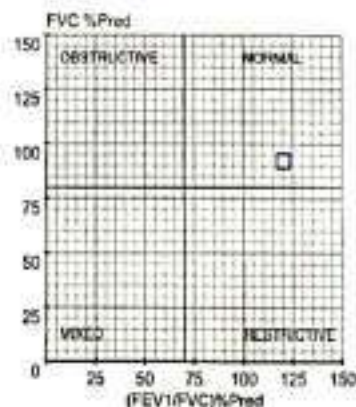
Spirometry within Normal range as FVC% >= 80 And FEV1/FVC% > 70

Pre COPD Severity Report:

COPD Severity within Normal range

Doctor's Comments :

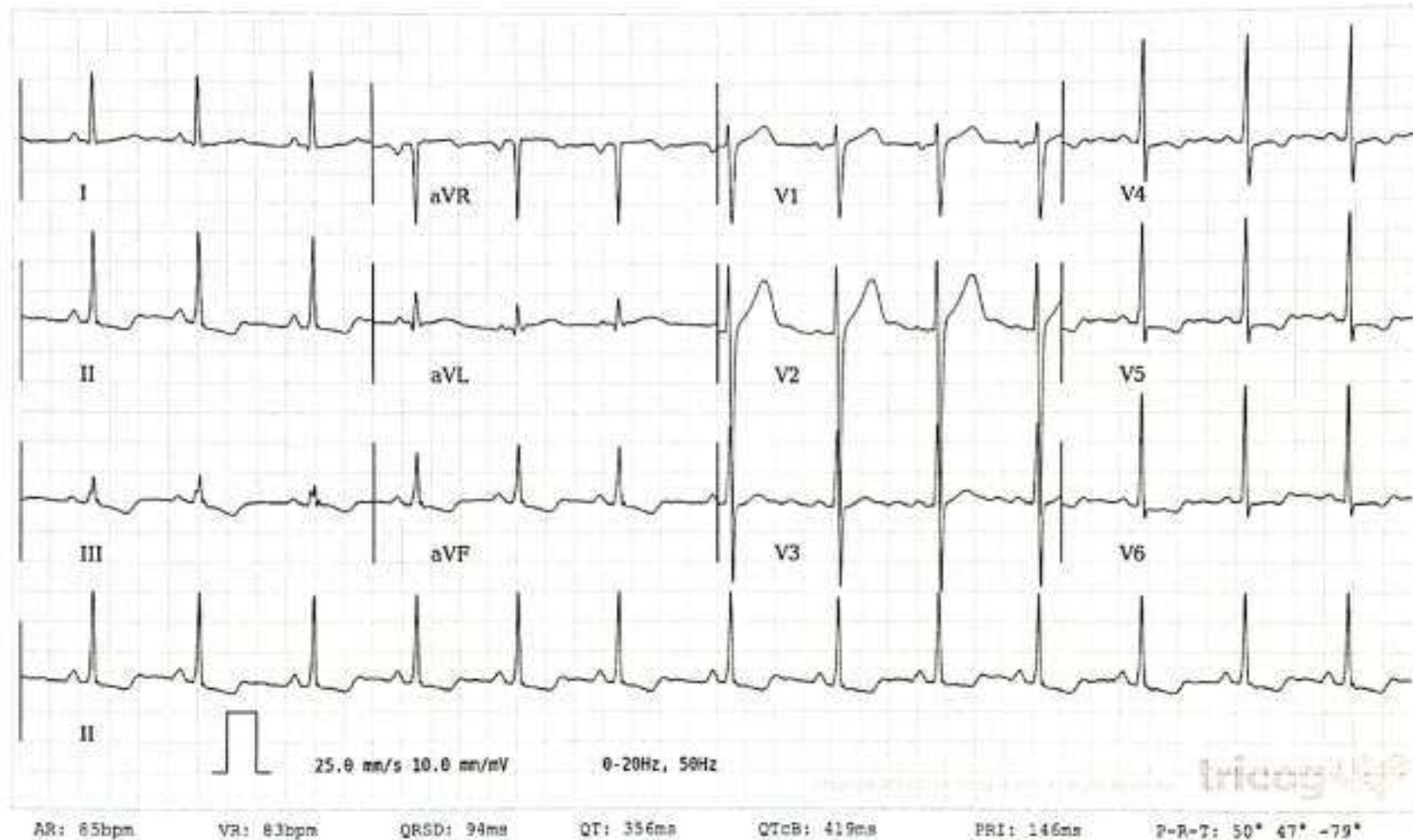
Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.21	2.96	92	--	--
FEV1	[L]	2.54	2.82	111	--	--
FEV.5	[L]	--	2.22	--	--	--
FEV3	[L]	3.11	--	--	--	--
FEV6	[L]	--	--	--	--	--
PEFR	[L/s]	8.36	7.73	92	--	--
FEF25-75	[L/s]	3.45	4.71	137	--	--
FEF75-85	[L/s]	--	1.69	--	--	--
FEF.2-1.2	[L/s]	6.11	6.16	101	--	--
FEF25%	[L/s]	7.61	8.11	107	--	--
FEF50%	[L/s]	5.27	5.03	96	--	--
FEF75%	[L/s]	2.28	2.04	89	--	--
FEV.5/FVC	[%]	--	75.09	--	--	--
FEV1/FVC	[%]	79.13	95.25	120	--	--
FEV3/FVC	[%]	97.00	--	--	--	--
FEV6/FVC	[%]	--	--	--	--	--
FEV1/FEV5	[%]	--	--	--	--	--
FET	[S]	--	1.94	--	--	--
ExpTime	[S]	--	0.80	--	--	--
LungAge	[Y]	50.00	44.00	88	--	--
FVC	[L]	--	2.99	--	--	--
PIFR	[L/s]	--	3.90	--	--	--
FIF25%	[L/s]	--	8.15	--	--	--
FIF50%	[L/s]	--	5.76	--	--	--
FIF75%	[L/s]	--	2.45	--	--	--
FIV.5	[L]	--	0.03	--	--	--
FIV1	[L]	--	1.00	--	--	--
FIV3	[L]	--	--	--	--	--
FIV.5/FVC	[%]	--	1.05	--	--	--
FIV1/FVC	[%]	--	36.21	--	--	--
FIV3/FVC	[%]	--	--	--	--	--



DR.ABHISHEK DAS

Age / Gender: 50/Male
Patient ID: 7991177567
Patient Name: Manoj ku dubuy

Date and Time: 21st Mar 25 3:26 PM



Sinus Rhythm, Left Ventricular Hypertrophy with Strain Pattern, Inferior Ischemia suspected. Please correlate clinically.

REPORTED BY

Swati

Dr. Swati Rai

Disclaimer: Analysis in this report is based on ECG alone and should only be used as an adjunct to clinical history, symptoms and results of other invasive and non-invasive tests and must be interpreted by a qualified physician.



Date : 21.3.25

Name : Manoj Kumar Dubey Age : 50 Sex : M

C/O :

dr for near

H/U :

REV 6/6

LEV 6/6

Systemic Disease :

Colour Vision :

Normal

R Refresh tears ed
0000
(PRE) 4mins + 4WV

H.ch
21.3.25

GLASS PRESCRIPTION

	Right Eye				Left Eye			
	DSPH	DCPL	AXIS	VIA	DSPH	DCPL	AXIS	VIA
Distance (DV)	P			6/6	P			6/6
Near Add (NV)	+2.00			14/6	+2.00			12/6

Remarks :



MEDI TECH

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PANSILA :: AMTA :: HOWRAH

Phone - 8293324791 / 9681021707

E mail : meditech.pns@gmail.com

Patient Name : MANOJ KR DUBEY	Age: 50Y
Patient ID: PAT003114	Date: 21/03/2025
Ref. By: APOLLO	Sex: M

X-RAY OF CHEST PA. VIEW

Trachea is central.

No focal active lung parenchymal lesion is seen.

Both costo-phrenic angles are clear.

Cardio thoracic ratio within normal limit.

Both the hila are normal.

Both domes of diaphragm are normal in shape and position.

Visualised portion of ribs appear intact.

IMPRESSION : Skiagram does not reveal any abnormality.

Clinical correlation is suggested

Bhaskar Barman

Digitally Signed by Dr. Bhaskar Barman
WBMC69913 MD Radiodiagnosis

বিঃ দ্রঃ- স্বল্প খরচে সরকারি মূল্যে C T Scan করানোর ব্যবস্থা আছে।



Scanned with OKEN Scanner

Name SYED NABIL Age 27 Gender M Date 28/03/25

General Examination : NO Abnormality

Medical History : _____

Blood Group : 'O' Positive

Hemogram : Hb-16.2 g/dL

Random Blood Sugar : _____

Creatinine : 1.08 mg/dL

(Report Attached)

Lipid Profile :	Total Cholesterol	Triglycerides	HDL Cholesterol	Non-HDL Cholesterol	LDL Cholesterol
	172	79	49	123	107.06

PFT : _____

ECG : _____

X-Ray : Chest

Urm

Vitals :	BP mm/hg	PR bpm	SPO ₂ %	Temperature °F
	110/70	50	98	98.6

Advice : _____

AFTER EXAMINATION & REVIEW OF REPORTS, I AM OF OPINION

Mr./Mrs. SYED NABIL

IS FIT / UN-FIT FOR DUTY.

Dr. ABHISHEK DAS

MBBS

Doctor Signature with Seal

Patient Name : Mr.SYED NABIL
Age/Gender : 27 Y O M O D /M
UHID/IR No : DKRR.0000037092
Visit ID : DKRR0PV51428
Ref Doctor : Dr.SELF
IP/OP NO :

Collected : 21/Mar/2025 08:37PM
Received : 22/Mar/2025 04:59PM
Reported : 22/Mar/2025 06:49PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : —No Data Found—,KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Unit	Bio. Ref. Interval	Method
HEMOGRAM , WHOLE BLOOD EDTA				
HAEMOGLOBIN	16.2	g/dL	13-17	Spectrophotometer
PCV	48.20	%	40-50	Electronic pulse & Calculation
RBC COUNT	5.31	Million/cu.mm	4.5-5.5	Electrical Impedance
MCV	90.7	fL	83-101	Calculated
MCH	30.5	pg	27-32	Calculated
MCHC	33.7	g/dL	31.5-34.5	Calculated
R.D.W	14	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	6,210	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYTIC COUNT (DLC)				
NEUTROPHILS	64	%	40-80	Flow cytometry
LYMPHOCYTES	26	%	20-40	Flow cytometry
EOSINOPHILS	03	%	1-6	Flow cytometry
MONOCYTES	07	%	2-10	Flow cytometry
BASOPHILS	00	%	0-2	Flow cytometry
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	3974.4	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	1614.6	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	186.3	Cells/cu.mm	20-500	Calculated
MONOCYTES	434.7	Cells/cu.mm	200-1000	Calculated
Neutrophil lymphocyte ratio (NLR)	2.46		0.78- 3.53	Calculated
PLATELET COUNT	292000	cells/cu.mm	150000-410000	Electrical impedance
MPV	9.8	fL	8.1-13.9	Calculated
ESR	2	mm at 1 hour	0-15	Modified Westergren

PERIPHERAL SMEAR

RBC- Normocytic Normochromic, WBC- Normal Morphology, Platelet- Adequate.

Page 1 of 4

Chandan Singh
Dr.Chandan Singh
M.B.B.S,M.D(Pathology)
Consultant Pathologist



SIN No:HA08674972

Apollo Health and Lifestyle Limited

(CIN - U85110TG2060PLC115819)

Corporate Office: 7-1-617/A, 7th Floor, Imperial Towers, Ammerpet, Hyderabad-500016, Telangana

Ph No: 040-4504 7777 | www.apollohl.com | Email:lt.enquiry@apollohl.com

www.apolلودiagnostics.in



Scanned with OKEN Scanner

Patient Name : Mr.SYED NABIL
Age/Gender : 27 Y 0 M 0 D /M
UHID/MR No : DKRR.0000037092
Visit ID : DKRROPV51428
Ref Doctor : Dr.SELF
IPIOP NO :

Collected : 21/Mar/2025 08:37PM
Received : 22/Mar/2025 04:59PM
Reported : 22/Mar/2025 09:25PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : --No Data Found-- KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Unit	Bio. Ref. Interval	Method
BLOOD GROUP ABO AND RH FACTOR , WHOLE BLOOD EDTA				
BLOOD GROUP TYPE	O			Forward & Reverse Grouping with Slide/Tube Aggluti
Rh TYPE	POSITIVE			Forward & Reverse Grouping with Slide/Tube Agglutination

Result Reported after evaluation by Column Agglutination Method.

Comment:

1. This tests determines ABO & Rh blood groups (testing for other blood group systems not performed) through immunological reaction between RBC antigen & antibody.
2. ABO system also has Subgroups of A, B and rare phenotype as Bombay blood group which requires further testing and required recommendations as per the case will be provided.
3. Rh system in certain individual can have weak or partial Rh D expression which can result in weaker agglutination reactions and hence all Rh D Negative groups need to be further cross verified using Rh Du testing.
4. In case of Newborn - Only forward typing is performed, reverse typing is not performed, since the antibodies are not fully formed. Hence it is recommended to re-test blood grouping after 6 months.
5. In certain cases History of Recent blood transfusion (within 3-4mths), of bone marrow transplantation, certain drugs (especially monoclonal antibody) & certain malignancies may interfere with interpretation of blood grouping.
6. It is always recommended for reconfirmation of the Blood Group along with cross matching before blood transfusion.

Page 2 of 4

Dr. Deep Banerjee
Dr. Deep Banerjee
M.B.B.S, M.D(Pathology)
Consultant Pathologist



SRN No: HA00674972

Patient Name : Mr.SYED NABIL
Age/Gender : 27 Y 0 M 0 D /M
UHID/MR No : DKRR.0000037092
Visit ID : DKRR0PV51428
Ref Doctor : Dr.SELF
IPOP NO :

Collected : 21/Mar/2025 08:37PM
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Reported : 22/Mar/2025 06:10PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : ---No Data Found--- KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Unit	Bio. Ref. Interval	Method
LIPID PROFILE , SERUM				
TOTAL CHOLESTEROL	172	mg/dL	< 200	CHOD-PAD
TRIGLYCERIDES	79	mg/dL	< 150	GPO-PAP
HDL CHOLESTEROL	49	mg/dL	>=40 Desirable	Enzymatic Immunoinhibition
NON-HDL CHOLESTEROL	123	mg/dL	<130	Calculated
LDL CHOLESTEROL	107.06	mg/dL	<100	Calculated
VLDL CHOLESTEROL	15.74	mg/dL	<30	Calculated
CHOL / HDL RATIO	3.50		0-4.97	Calculated
ATHEROGENIC INDEX (AIP)	< 0.01		<0.11	Calculated

Comment:

Reference Interval as per National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.

	Desirable	Borderline High	High	Very High
TOTAL CHOLESTEROL	< 200	200 - 239	≥ 240	
TRIGLYCERIDES	<150	150 - 199	> 200	≥ 500
LDL	Optimal < 100 Near Optimal 100-129	130 - 159	160 - 189	≥ 190
HDL	≥ 40	Low < 35; Borderline Low 35-40		
NON-HDL CHOLESTEROL	Optimal <130; Above Optimal 130- 159	160-189	190-219	>220

Page 3 of 4

Chandan Singh
Dr.Chandan Singh
M.B.B.S,M.D(Pathology)
Consultant Pathologist



SIN No:BI24847356

Apollo Health and Lifestyle Limited

(CIN - U85110TG2000PLC115819)

Corporate Office: T-1-617/A, 7th Floor, Imperial Towers, Ameerpet, Hyderabad-500016, Telangana

Ph No: 040-4904 7777 | www.apollodiagn.com | Email ID:enquiry@apollodiagn.com

www.apollodiagn.com



Scanned with OKEN Scanner

Patient Name : Mr.SYED NABIL
Age/Gender : 27 Y O M O D /M
UHID/MR No : DKRR.0000037092
Visit ID : DKRROPV51428
Ref Doctor : Dr.SELF
IPIOP NO :

Collected : 21/Mar/2025 08:37PM
Received : 22/Mar/2025 04:34PM
Reported : 22/Mar/2025 06:10PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : ---No Data Found---,KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Unit	Bio. Ref. Interval	Method
CREATININE , SERUM	1.08	mg/dL	0.7-1.2	Jaffe
eGFR - ESTIMATED GLOMERULAR FILTRATION RATE , SERUM	93.57	mL/min/1.73m ²	>60	CKD-EPI FORMULA

*** End Of Report ***



Page 4 of 4



Chandan Singh
Dr.Chandan Singh
M.B.B.S,M.D(Pathology)
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STN NO:BL24847356

Apollo Health and Lifestyle Limited
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Corporate Office: 7-1-617/A, 7th Floor, Imperial Towers, Ameerpet, Hyderabad-500016, Telangana
Ph No: 040-4904 7777 | www.apollohlt.com | Email: lt.enquiry@apollohlt.com

www.apolلودiagnostics.in

ptom. Nirmalya Chakraborty
DOS (Cal)
Consultant Optometrist



Enhancing lives - improving better health

Date: 21.3.25

Name: Syed Nabil

Age: 27 Sex: M

C/O :

H/U :

REV 6/6

LEV 6/6

Systemic Disease :

Colour Vision :

Normal

R CMC ed
(PSE) 0000
HMB + HMB

H. Ch
21.3.25

GLASS PRESCRIPTION

	Right Eye				Left Eye			
	DSPH	DCPL	AXIS	V/A	DSPH	DCPL	AXIS	V/A
Distance (DV)	P			6/6	P			6/6
Near Add (NV)	P			14/6	P			12/6

Remarks :

299/251, Malancha Road (Opp Prem Hari Bhavan), Kharagpur
Phone : 9547863483 / 9547841484 / 7810975375



Scanned with OKEN Scanner

APOLLO DIAGNOSTICS

KHARAGPUR, PIN-721301

4242588 - SYED NABIL

Years / Male / Ht 173 Cms / 70 Kgs / Non-Smoker

FVC TEST

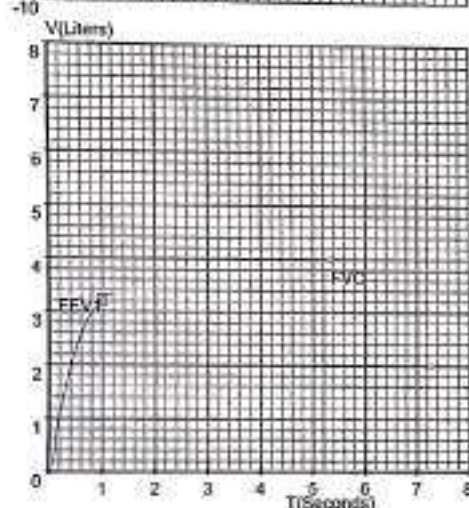
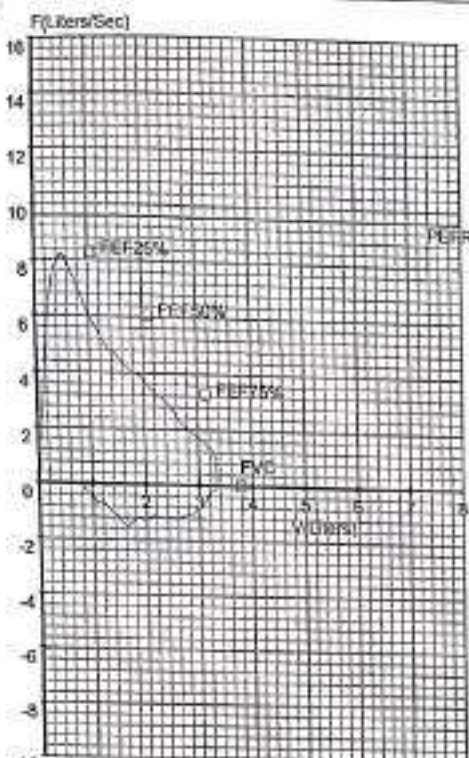
Date: 21-03-2025 (T1)

Pred Eqn : CLARITY

Eth.Corr : 100

Temp : 0°C

Ref By : NONE



- Pre Medication Report :

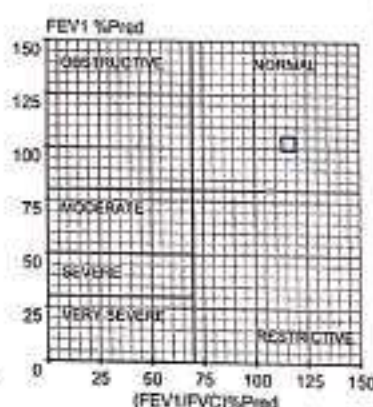
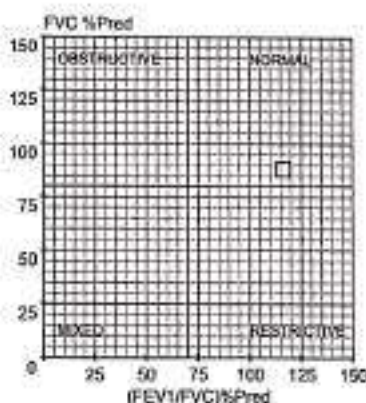
Spirometry within Normal range as FVC% ≥ 80 And FEV1/FVC% > 70

- Pre COPD Severity Report:

COPD Severity within Normal range

- Doctor's Comments :

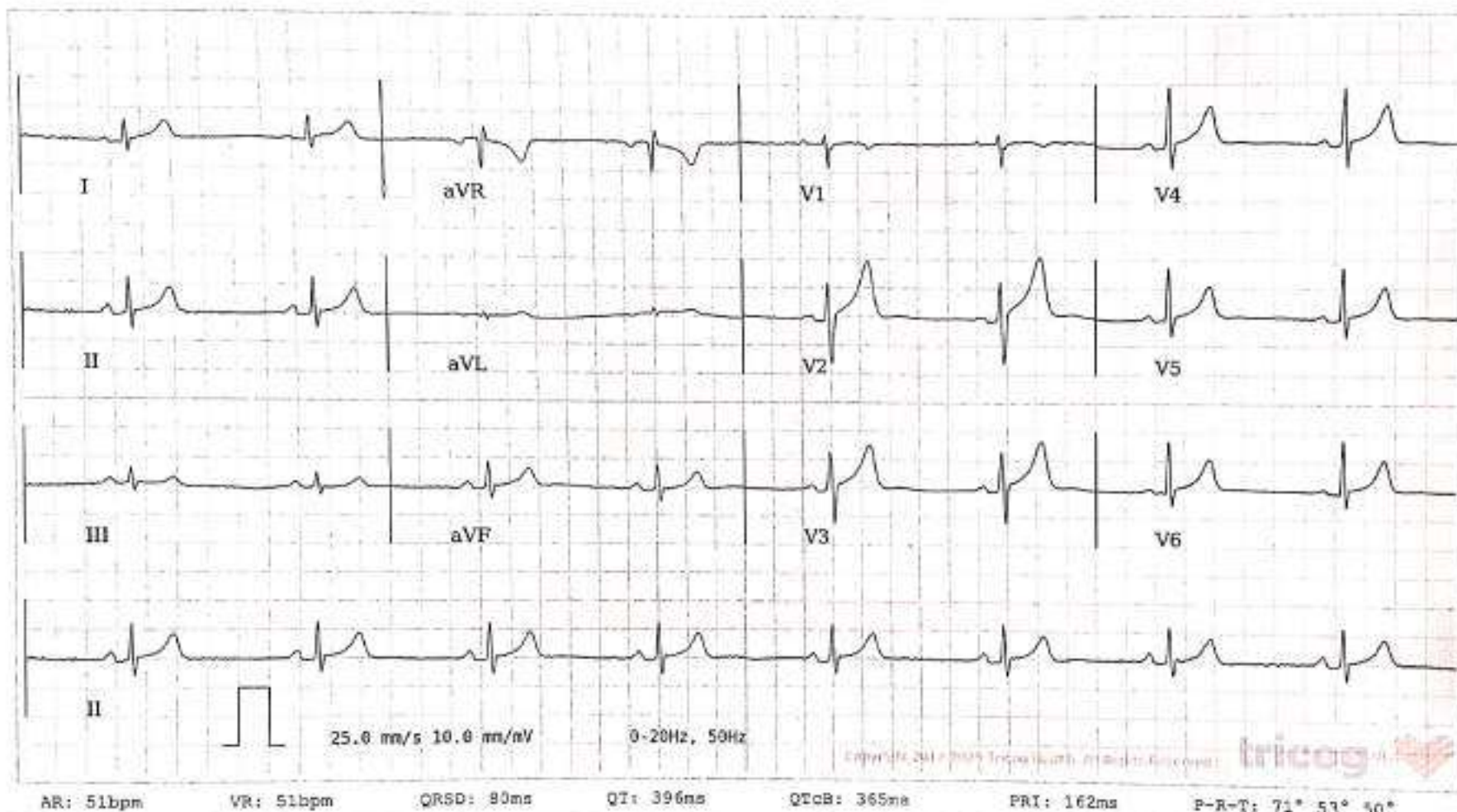
Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.78	3.34	88	--	--
FEV1	[L]	3.22	3.31	103	--	--
FEV.5	[L]	--	2.46	--	--	--
FEV3	[L]	3.67	3.31	90	--	--
FEV6	[L]	--	--	--	--	--
PEFR	[L/s]	9.52	8.19	86	--	--
FEF25-75	[L/s]	4.56	4.44	97	--	--
FEF75-85	[L/s]	--	2.36	--	--	--
FEF.2-1.2	[L/s]	7.93	6.70	85	--	--
FEF25%	[L/s]	6.25	7.43	90	--	--
FEF50%	[L/s]	6.09	4.62	76	--	--
FEF75%	[L/s]	3.30	2.99	91	--	--
FEV.5/FVC	[%]	--	73.78	--	--	--
FEV1/FVC	[%]	85.22	99.07	116	--	--
FEV3/FVC	[%]	97.00	99.07	102	--	--
FEV6/FVC	[%]	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--
PET	[S]	--	4.34	--	--	--
ExpTime	[S]	--	0.11	--	--	--
LungAge	[Y]	27.00	26.00	96	--	--
FVC	[L]	--	2.50	--	--	--
PEFR	[L/s]	--	1.50	--	--	--
FIF25%	[L/s]	--	8.81	--	--	--
FIF50%	[L/s]	--	6.35	--	--	--
FIF75%	[L/s]	--	4.70	--	--	--
FIV.5	[L]	--	0.08	--	--	--
FIV1	[L]	--	0.13	--	--	--
FIV3	[L]	--	2.07	--	--	--
FIV.5/FIVC	[%]	--	3.13	--	--	--
FIV1/FIVC	[%]	--	5.01	--	--	--
FIV3/FIVC	[%]	--	82.70	--	--	--



DR.ABHISHEK DAS

Age / Gender: 27/Male
Patient ID: 8144242588
Patient Name: Syed Nabil

Date and Time: 21st Mar 25 1:42 PM



Sinus Bradycardia. Hyperacute T waves in leads V2,. Please correlate clinically.

REPORTED BY

[Signature]
Dr. Purno S. Shetty

Notes: Analysis in this report is based on ECG alone and should only be used as an adjunct to clinical history, symptoms and results of other invasive and non-invasive tests and must be interpreted by a qualified physician.



MEDI TECH

Advanced Diagnostic Service.

PANSILA :: AMTA :: HOWRAH

Phone - 8293324791 / 9681021707

E mail : meditech.pns@gmail.com

Patient Name : SYED NABIL	Age:27Y
Patient ID: PAT003097	Date: 21/03/2025
Ref. By: APOLLO	Sex: M

X-RAY OF CHEST PA. VIEW

Trachea is central.

No focal active lung parenchymal lesion is seen.

Both costo-phrenic angles are clear.

Cardio thoracic ratio within normal limit.

Both the hila are normal.

Both domes of diaphragm are normal in shape and position.

Visualised portion of ribs appear intact.

IMPRESSION : Skiagram does not reveal any abnormality.

Clinical correlation is suggested

Advanced Diagnostic Service
Bhaskar Barman
Digitally Signed by Dr. Bhaskar Barman
WBMC69913 MD Radiodiagnosis

বিঃ দ্রঃ- স্বল্প খরচে সরকারি মূল্যে C T Scan করানোর ব্যবস্থা আছে।



Scanned with OKEN Scanner

Name SINGH RAHUL SURESH Age 35 Gender M Date 28/3/25

General Examination : NO Abnormality

Medical History : _____

Blood Group : 'O' Positive

Hemogram : Hb - 16.0 g/dL
Creatinine : 1.08 mg/dL *(Report Attached)*

Random Blood Sugar :

Lipid Profile :	Total Cholesterol	Triglycerides	HDL Cholesterol	Non-HDL Cholesterol	LDL Cholesterol
	208	152	37	171	140.9

PFT :

ECG :

X-Ray : chest

MM

Vitals :	BP mmHg	PR bpm	SPO ₂ %	Temperature °F
	120/90	72	98	98.6

Advice :

CP. Asthma (10) (108)

AFTER EXAMINATION & REVIEW OF REPORTS, I AM OF OPINION

Mr./Mrs. SINGH RAHUL SURESH

IS FIT UN-FIT FOR DUTY.

Dr. ABHISHEK DAS

MBBS

(Signature)
9547841484

Doctor Signature with Seal

Patient Name : Mr.SINGH RAHUL SURESH
 Age/Gender : 35 Y O M O D / M
 UHID/MR No : DKRR.0000037103
 Visit ID : DKRRDPV51439
 Ref Doctor : Dr.SELF
 IP/OP NO :

Collected : 21/Mar/2025 06:53PM
 Received : 22/Mar/2025 04:59PM
 Reported : 22/Mar/2025 06:50PM
 Status : Final Report
 Client Name : PCC KHARAGPUR KOLKATA
 Center location : —No Data Found—,KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Unit	Bio. Ref. Interval	Method
HEMOGRAM , WHOLE BLOOD EDTA				
HAEMOGLOBIN	16.0	g/dL	13-17	Spectrophotometer
PCV	47.40	%	40-50	Electronic pulse & Calculation
RBC COUNT	5.03	Million/cu.mm	4.5-5.5	Electrical Impedance
MCV	94.2	fL	83-101	Calculated
MCH	31.8	pg	27-32	Calculated
MCHC	33.7	g/dL	31.5-34.5	Calculated
R.D.W	13.6	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	8,810	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYTIC COUNT (DLC)				
NEUTROPHILS	58	%	40-60	Flow cytometry
LYMPHOCYTES	33	%	20-40	Flow cytometry
EOSINOPHILS	02	%	1-6	Flow cytometry
MONOCYTES	07	%	2-10	Flow cytometry
BASOPHILS	00	%	0-2	Flow cytometry
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	5109.8	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	2907.3	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	176.2	Cells/cu.mm	20-500	Calculated
MONOCYTES	616.7	Cells/cu.mm	200-1000	Calculated
Neutrophil lymphocyte ratio (NLR)	1.76		0.78- 3.53	Calculated
PLATELET COUNT	256000	cells/cu.mm	150000-410000	Electrical Impedance
MPV	11.6	fL	8.1-13.9	Calculated
ESR	27	mm at 1 hour	0-15	Modified Westergren

PERIPHERAL SMEAR

RBC- Normocytic Normochromic, WBC- Normal Morphology, Platelet- Adequate.

Page 1 of 4

Chandan Singh
 Dr.Chandan Singh
 M.B.B.S,M.D(Pathology)
 Consultant Pathologist



SIN No-HA05673989

Patient Name : Mr.SINGH RAHUL SURESH
Age/Gender : 35 Y O M O D / M
UHID/MR No : DKRR.0000037103
Visit ID : DKRR0PV51439
Ref Doctor : Dr.SELF
IP/OP NO :

Collected : 21/Mar/2025 08:53PM
Received : 22/Mar/2025 04:59PM
Reported : 22/Mar/2025 09:47PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : --No Data Found--,KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Unit	Blo. Ref. Interval	Method
BLOOD GROUP ABO AND RH FACTOR , WHOLE BLOOD EDTA				
BLOOD GROUP TYPE	O			Forward & Reverse Grouping with Slide/Tube Aggluti
Rh TYPE	POSITIVE			Forward & Reverse Grouping with Slide/Tube Agglutination

Result Reported after evaluation by Column Agglutination Method.

Comment:

1. This tests determines ABO & Rh blood groups (testing for other blood group systems not performed) through immunological reaction between RBC antigen & antibody.
2. ABO system also has Subgroups of A, B and rare phenotype as Bombay blood group which requires further testing and required recommendations as per the case will be provided.
3. Rh system in certain individual can have weak or partial Rh D expression which can result in weaker agglutination reactions and hence all Rh D Negative groups need to be further cross verified using Rh Du testing.
4. In case of Newborn - Only forward typing is performed, reverse typing is not performed, since the antibodies are not fully formed. Hence it is recommended to re-test blood grouping after 6 months.
5. In certain cases History of Recent blood transfusion (within 3-4mths), of bone marrow transplantation, certain drugs (especially monoclonal antibody) & certain malignancies may interfere with interpretation of blood grouping.
6. It is always recommended for reconfirmation of the Blood Group along with cross matching before blood transfusion.

Page 2 of 4



Dr. Deep Banerjee
Dr. Deep Banerjee
M.B.B.S, M.D(Pathology)
Consultant Pathologist

SIN No: HA08674989

Apollo Health and Lifestyle Limited

(CIN - U85110TG2000PLC115015)

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Ph No: 040-4904 7777 | www.apollolh.com | Email: enquiry@apollolh.com

www.apollodiagnostics.in



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Patient Name : Mr.SINGH RAHUL SURESH
Age/Gender : 35 Y 0 M 0 D.M
UHID/MR No : DKRR.0000037103
Visit ID : DKRR0PV51439
Ref Doctor : Dr.SELF
IP/OP NO :

Collected : 21/Mar/2025 08:53PM
Received : 22/Mar/2025 04:33PM
Reported : 22/Mar/2025 08:14PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : —No Data Found—,KHARAGPUR WEST
MIDNAPUR

DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Unit	Bio. Ref. Interval	Method
LIPID PROFILE , SERUM				
TOTAL CHOLESTEROL	208	mg/dL	< 200	CHOD-PAD
TRIGLYCERIDES	152	mg/dL	< 150	GPO-PAP
HDL CHOLESTEROL	37	mg/dL	≥ 40 Desirable	Enzymatic Immunoinhibition
NON-HDL CHOLESTEROL	171	mg/dL	< 130	Calculated
LDL CHOLESTEROL	140.9	mg/dL	< 100	Calculated
VLDL CHOLESTEROL	30.4	mg/dL	< 30	Calculated
CHOL / HDL RATIO	5.67		0-4.97	Calculated
ATHEROGENIC INDEX (AIP)	0.26		< 0.11	Calculated

Comment:

Reference Interval as per National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.

	Desirable	Borderline High	High	Very High
TOTAL CHOLESTEROL	< 200	200 - 239	≥ 240	
TRIGLYCERIDES	< 150	150 - 199	≥ 200	≥ 500
LDL	Optimal < 100 Near Optimal 100-129	130 - 159	160 - 189	≥ 190
HDL	≥ 40	Low < 35; Borderline Low 35-40		
NON-HDL CHOLESTEROL	Optimal < 130; Above Optimal 130- 159	160-189	190-219	> 220

Page 3 of 4

Chandan Singh
Dr.Chandan Singh
M.B.B.S,M.D(Pathology)
Consultant Pathologist



SIN No:BI24847386

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ever
erato
ed results

Com. Nirmalya Chakraborty
DOS (Cal)
Consultant Optometrist



Enhancing lives... inspiring better health

Date : 21.3.25

Name : Singh Rahul Suresh Age : 35 Sex : M

C/O :

dw (PSE)

H/U :

REV 6/24

LEV 6/24

Systemic Disease :

Colour Vision :

Normal

R CMC ed
0000
(PSE) 4rimst 4Wm

N.ch
21.3.25

GLASS PRESCRIPTION

	Right Eye				Left Eye			
	DSPH	DCPL	AXIS	V/A	DSPH	DCPL	AXIS	V/A
Distance (DV)	-1.25			6/6	-1.25			6/6
Near Add (NV)	P			12/6	P			12/6

Remarks :

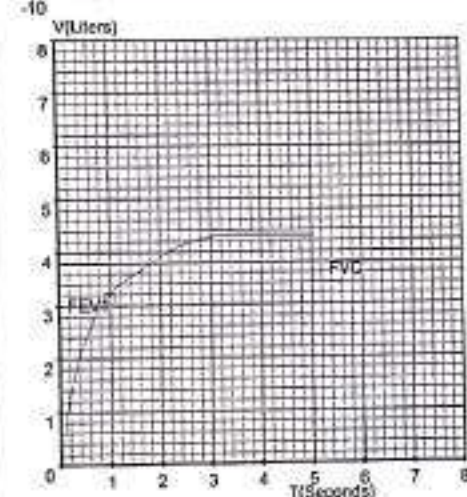
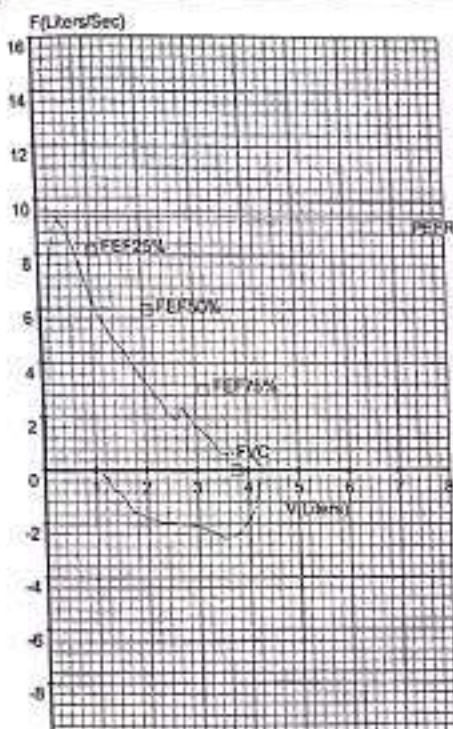
APOLLO DIAGNOSTICS

KHARAGPUR, PIN-721301

196269 - SINGH RAHUL SURESH
Years / Male / Ht 175 Cms / 78 Kgs / Non-Smoker

FVC TEST
Date: 21-03-2025 (T1)

Pred Eqn : CLARITY Eth.Corr : 100 Temp : 0°C
Ref By : NONE

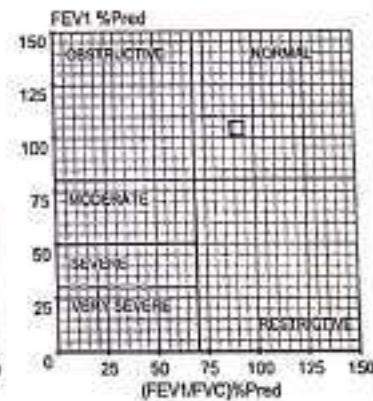
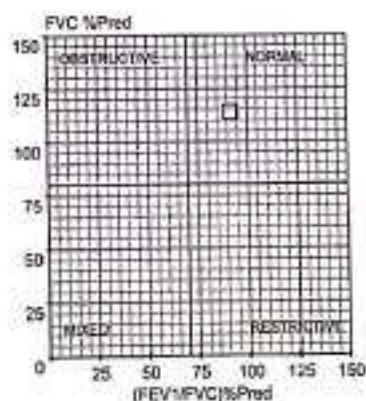


- Pre Medication Report :
Spirometry within Normal range as FVC% \geq 80 And
FEV1/FVC% \geq 70

- Pre COPD Severity Report:
COPD Severity within Normal range

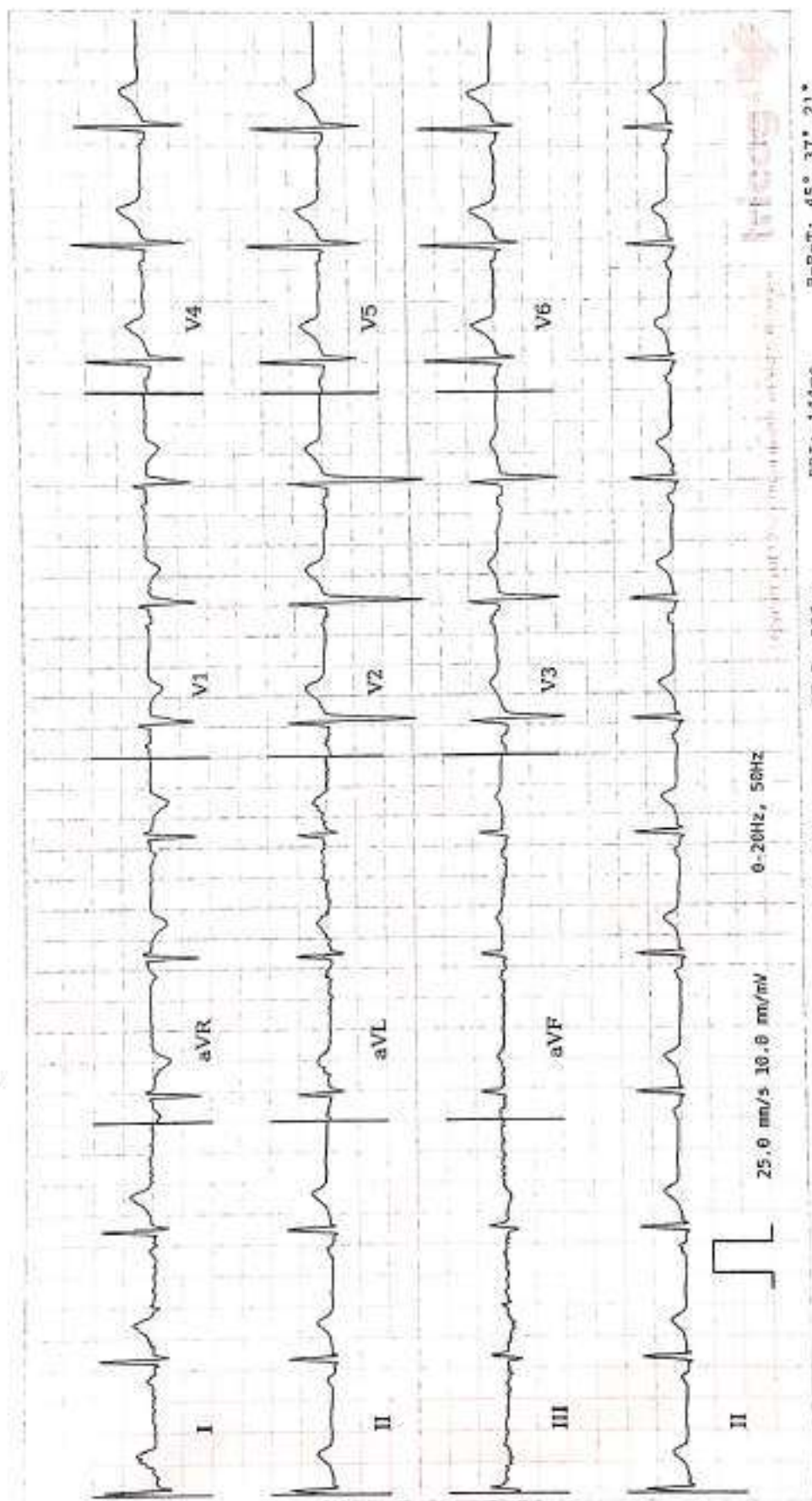
- Doctor's Comments :

Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.77	4.30	114	--	--
FEV1	[L]	3.14	3.27	104	--	--
FEV5	[L]	--	2.41	--	--	--
FEV3	[L]	3.68	4.28	117	--	--
FEV6	[L]	--	--	--	--	--
PEFR	[L/s]	9.38	9.26	99	--	--
FEF25-75	[L/s]	4.26	3.37	79	--	--
FEF75-85	[L/s]	--	0.88	--	--	--
FEF2-1.2	[L/s]	7.49	7.42	99	--	--
FEF25%	[L/s]	8.16	7.01	86	--	--
FEF50%	[L/s]	5.90	3.24	55	--	--
FEF75%	[L/s]	3.00	1.27	43	--	--
FEV5/FVC	[%]	--	56.11	--	--	--
FEV1/FVC	[%]	83.16	76.12	92	--	--
FEV3/FVC	[%]	97.00	99.63	103	--	--
FEV6/FVC	[%]	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--
FET	[S]	--	5.01	--	--	--
ExpTime	[S]	--	0.07	--	--	--
LungAge	[Y]	35.00	34.00	97	--	--
FVC	[L]	--	3.14	--	--	--
PIFR	[L/s]	--	2.55	--	--	--
FIF25%	[L/s]	--	9.06	--	--	--
FIF50%	[L/s]	--	5.53	--	--	--
FIF75%	[L/s]	--	3.08	--	--	--
FIV.5	[L]	--	0.40	--	--	--
FIV1	[L]	--	1.53	--	--	--
FIV3	[L]	--	--	--	--	--
FIV.5/FIVC	[%]	--	12.73	--	--	--
FIV1/FIVC	[%]	--	48.80	--	--	--
FIV3/FIVC	[%]	--	--	--	--	--



DR.ABHISHEK DAS

Age / Gender: 35/Male
Date and Time: 21st Mar 2023 3:11 PM
Patient ID: 9925196269
Patient Name: Singh rahul suresh



ECG Within Normal Limits: Sinus Rhythm. q in lead III. Please correlate clinically.

REPORTED BY

Suresh

Dr. Suresh B.

Disclaimer: Analysis in this report is based on ECG alone and should only be used as an adjunct to clinical history, symptoms and results of other investigations and must be interpreted by a qualified physician.

Name JAGANNATH SAHOO Age 34 Gender M Date 28/03/25

General Examination : NO Abnormality

Medical History : —————

Blood Group : 'O' Positive

Hemogram : Hb - 15.6 g/dL (Report Attached)

Random Blood Sugar :

Creatinine : 0.86 mg/dL

Lipid Profile :	Total Cholesterol	Triglycerides	HDL Cholesterol	Non-HDL Cholesterol	LDL Cholesterol
	231	218	40	191	147

PFT :

ECG :

X-Ray : Chest

mm

Vitals :	BP mmHg	PR bpm	SPO ₂ %	Temperature °F
	120/80	72	99	98.6

Advice :

→ lifestyle modification

AFTER EXAMINATION & REVIEW OF REPORTS, I AM OF OPINION

Mr./Mrs. JAGANNATH SAHOO

IS FIT / UN-FIT FOR DUTY.

Dr. ABHISHEK DAS

MBBS

WBHHS-79584

Doctor Signature with Seal

Patient Name	: Mr.JAGANNATH SAHOO	Collected	: 21/Mar/2025 08:38PM
Age/Gender	: 34 Y O M O D /M	Received	: 22/Mar/2025 04:59PM
UHID/MR No	: DKRR.0000037093	Reported	: 22/Mar/2025 06:49PM
Visit ID	: DKRR0PV51429	Status	: Final Report
Ref Doctor	: Dr SELF	Client Name	: PCC KHARAGPUR KOLKATA
IP/OP NO		Center location	: —No Data Found—,KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Unit	Bio. Ref. Interval	Method
HEMOGRAM , WHOLE BLOOD EDTA				
HAEMOGLOBIN	15.6	g/dL	13-17	Spectrophotometer
PCV	47.20	%	40-50	Electronic pulse & Calculation
RBC COUNT	5.29	Million/cu.mm	4.5-5.5	Electrical Impedance
MCV	89.2	fL	83-101	Calculated
MCH	29.5	pg	27-32	Calculated
MCHC	33.1	g/dL	31.5-34.5	Calculated
R.D.W	15.3	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	8,560	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYTIC COUNT (DLC)				
NEUTROPHILS	55	%	40-80	Flow cytometry
LYMPHOCYTES	36	%	20-40	Flow cytometry
EOSINOPHILS	02	%	1-6	Flow cytometry
MONOCYTES	07	%	2-10	Flow cytometry
BASOPHILS	00	%	0-2	Flow cytometry
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	4708	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	3081.6	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	171.2	Cells/cu.mm	20-500	Calculated
MONOCYTES	599.2	Cells/cu.mm	200-1000	Calculated
Neutrophil lymphocyte ratio (NLR)	1.53		0.78- 3.53	Calculated
PLATELET COUNT	181000	cells/cu.mm	150000-410000	Electrical impedance
MPV	13.7	fL	8.1-13.9	Calculated
ESR	15	mm at 1 hour	0-15	Modified Westergren

PERIPHERAL SMEAR

RBC- Normocytic Normochromic, WBC- Normal Morphology, Platelet- Adequate.

Page 1 of 4

Chandan Singh
Dr.Chandan Singh
M.B.B.S,M.D(Pathology)
Consultant Pathologist



SIN No:HA08674973

Apollo Health and Lifestyle Limited

(CIN - U85110TG2000PLC115815)

Corporate Office: 7-1-617/A, 7th Floor, Imperial Towers, Annapur, Hyderabad-500016, Telangana
Ph No: 040-4904 7777 | www.apollohl.com | Email: enquiry@apollohl.com

www.apolلودiagnostics.in



Scanned with OKEN Scanner

Patient Name : Mr. JAGANNATH SAHOO
Age/Gender : 34 Y O M O D / M
UHID/MR No : DKRR.0000037093
Visit ID : DKRROPV51429
Ref Doctor : Dr. SELF
IPIOP NO :

Collected : 21/Mar/2025 08:38PM
Received : 22/Mar/2025 04:59PM
Reported : 22/Mar/2025 09:45PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : —No Data Found—, KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Unit	Bio. Ref. Interval	Method
BLOOD GROUP ABO AND RH FACTOR , WHOLE BLOOD EDTA				
BLOOD GROUP TYPE	O			Forward & Reverse Grouping with Slide/Tube Aggluti
Rh TYPE	POSITIVE			Forward & Reverse Grouping with Slide/Tube Agglutination

Result Reported after evaluation by Column Agglutination Method.

Comment:

1. This tests determines ABO & Rh blood groups (testing for other blood group systems not performed) through immunological reaction between RBC antigen & antibody.
2. ABO system also has Subgroups of A, B and rare phenotype as Bombay blood group which requires further testing and required recommendations as per the case will be provided.
3. Rh system in certain individual can have weak or partial Rh D expression which can result in weaker agglutination reactions and hence all Rh D Negative groups need to be further cross verified using Rh Du testing.
4. In case of Newborn - Only forward typing is performed, reverse typing is not performed, since the antibodies are not fully formed. Hence it is recommended to re-test blood grouping after 6 months.
5. In certain cases History of Recent blood transfusion (within 3-4mths), of bone marrow transplantation, certain drugs (especially monoclonal antibody) & certain malignancies may interfere with interpretation of blood grouping.
6. It is always recommended for reconfirmation of the Blood Group along with cross matching before blood transfusion.

Page 2 of 4

Dr. Deep Banerjee
Dr. Deep Banerjee
M.B.B.S, M.D (Pathology)
Consultant Pathologist



SIN No: TLA08674093

Patient Name : Mr. JAGANNATH SAHOO
Age/Gender : 34 Y 0 M 0 D / M
UHIDMR No : DKRR.0000037093
Visit ID : DKRR0PV51429
Ref Doctor : Dr. SELF
IP/OP NO :

Collected : 21/Mar/2025 08:38PM
Received : 22/Mar/2025 04:33PM
Reported : 22/Mar/2025 06:14PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : --No Data Found--, KHARAGPUR WEST MIDNAPUR

DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Unit	Bio. Ref. Interval	Method
LIPID PROFILE , SERUM				
TOTAL CHOLESTEROL	231	mg/dL	< 200	CHOD-PAD
TRIGLYCERIDES	218	mg/dL	< 150	GPO-PAP
HDL CHOLESTEROL	40	mg/dL	≥ 40 Desirable	Enzymatic Immunoinhibition
NON-HDL CHOLESTEROL	191	mg/dL	< 130	Calculated
LDL CHOLESTEROL	147	mg/dL	< 100	Calculated
VLDL CHOLESTEROL	43.6	mg/dL	< 30	Calculated
CHOL / HDL RATIO	5.72		0-4.97	Calculated
ATHEROGENIC INDEX (AIP)	0.37		< 0.11	Calculated

Comment:

Reference Interval as per National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.

	Desirable	Borderline High	High	Very High
TOTAL CHOLESTEROL	< 200	200 - 239	≥ 240	
TRIGLYCERIDES	< 150	150 - 199	> 200	≥ 500
LDL	Optimal < 100 Near Optimal 100-129	130 - 159	160 - 189	≥ 190
HDL	≥ 40	Low < 35; Borderline Low 35-40		
NON-HDL CHOLESTEROL	Optimal < 130; Above Optimal 130-159	160-189	190-219	> 220

Page 3 of 4

Chandan Singh

Dr. Chandan Singh

M.B.B.S, M.D (Pathology)

Consultant Pathologist



SIN No: 8124847358

Apollo Health and Lifestyle Limited

(CIN - U85110TG2000PLC115819)

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Ph No: 040-4904 7777 | www.apolloh.com | Email: enquiry@apolloh.com

www.apolلودiagnostics.in



Scanned with OKEN Scanner

Patient Name : Mr.JAGANNATH SAHOO
Age/Gender : 34 Y 0 M 0 D /M
UHID/MR No : DKRR.0000037093
Visit ID : DKRR0PV51429
Ref Doctor : Dr.SELF
IP/OP NO :

Collected : 21/Mar/2025 08:38PM
Received : 22/Mar/2025 04:33PM
Reported : 22/Mar/2025 05:58PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : —No Data Found—,KHARAGPUR WEST
MIDNAPUR

DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Unit	Bio. Ref. Interval	Method
CREATININE , SERUM	0.86	mg/dL	0.7-1.2	Jaffe
eGFR - ESTIMATED GLOMERULAR FILTRATION RATE , SERUM	113.03	mL/min/1.73m ²	>60	CKD-EPI FORMULA

*** End Of Report ***



Dr. Riya Bhattacharyya

Dr RIJU BHATTACHARYYA
M.B.B.S.,M.D(Pathology)
Consultant Pathologist

Page 4 of 4



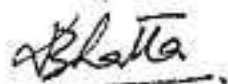
SIN No:BJ2094T158

Patient Name : Mr.JAGANNATH SAHOO
Age/Gender : 34 Y O M O D /M
UHID/IR No : DKRR.0000037093
Visit ID : DKRROPV51429
Ref Doctor : Dr SELF
IPIOP NO :

Collected : 21/Mar/2025 08:38PM
Received : 22/Mar/2025 04:33PM
Reported : 22/Mar/2025 05:58PM
Status : Final Report
Client Name : PCC KHARAGPUR KOLKATA
Center location : —No Data Found—,KHARAGPUR WEST
MIDNAPUR

TERMS AND CONDITIONS GOVERNING THIS REPORT

1. Reported results are for information and interpretation of the referring doctor or such other medical professionals, who understand reporting units, reference ranges and limitation of technologies. Laboratories not be responsible for any interpretation whatsoever.
2. It is presumed that the tests performed are, on the specimen / sample being to the patient named or identified and the verifications of particulars have been confirmed by the patient or his / her representative at the point of generation of said specimen.
3. The reported results are restricted to the given specimen only. Results may vary from lab to lab and from time to time for the same parameter for the same patient (within subject biological variation).
4. The patient details along with their results in certain cases like notifiable diseases and as per local regulatory requirements will be communicated to the assigned regulatory bodies.
5. The patient samples can be used as part of internal quality control, test verification, data analysis purposes within the testing scope of the laboratory.
6. This report is not valid for medico legal purposes. It is performed to facilitate medical diagnosis only.



Dr RIJU BHATTACHARYYA
M.B.B.S.,M.D(Pathology)
Consultant Pathologist
SIN No. BI24847358



APOLLO DIAGNOSTICS

KHARAGPUR, PIN-721301

39979749 - JAGANNATH SAHOO

34 Years / Male / Ht: 175 Cms / 79 Kgs / Smoker

FVC TEST

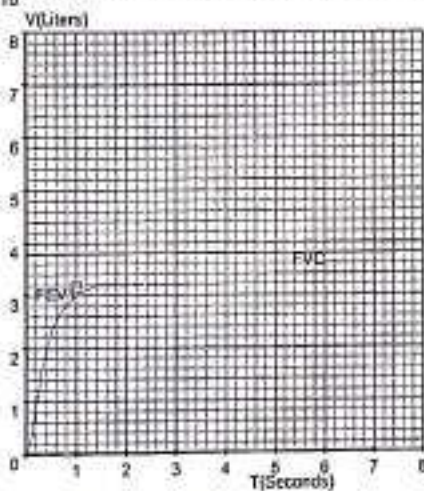
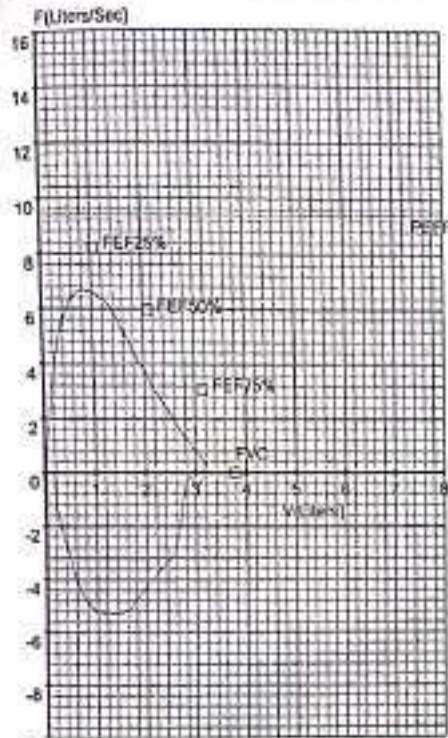
Date: 21-03-2025 (T1)

Pred Egn.: CLARITY

Eth. Corr.: 100

Temp.: 0°C

Ref By: NONE

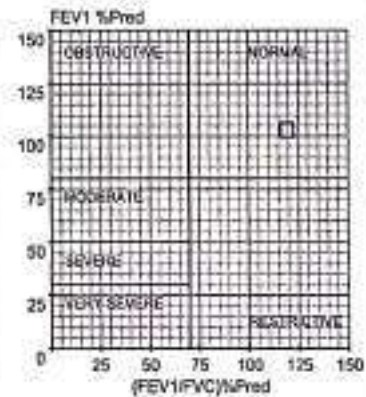
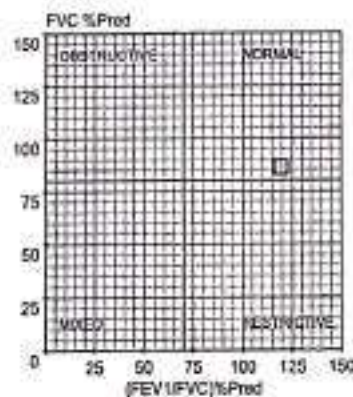


- Pre Medication Report:
Spirometry within Normal range as FVC% \geq 80 And
FEV1/FVC% $>$ 70

- Pre COPD Severity Report:
COPD Severity within Normal range

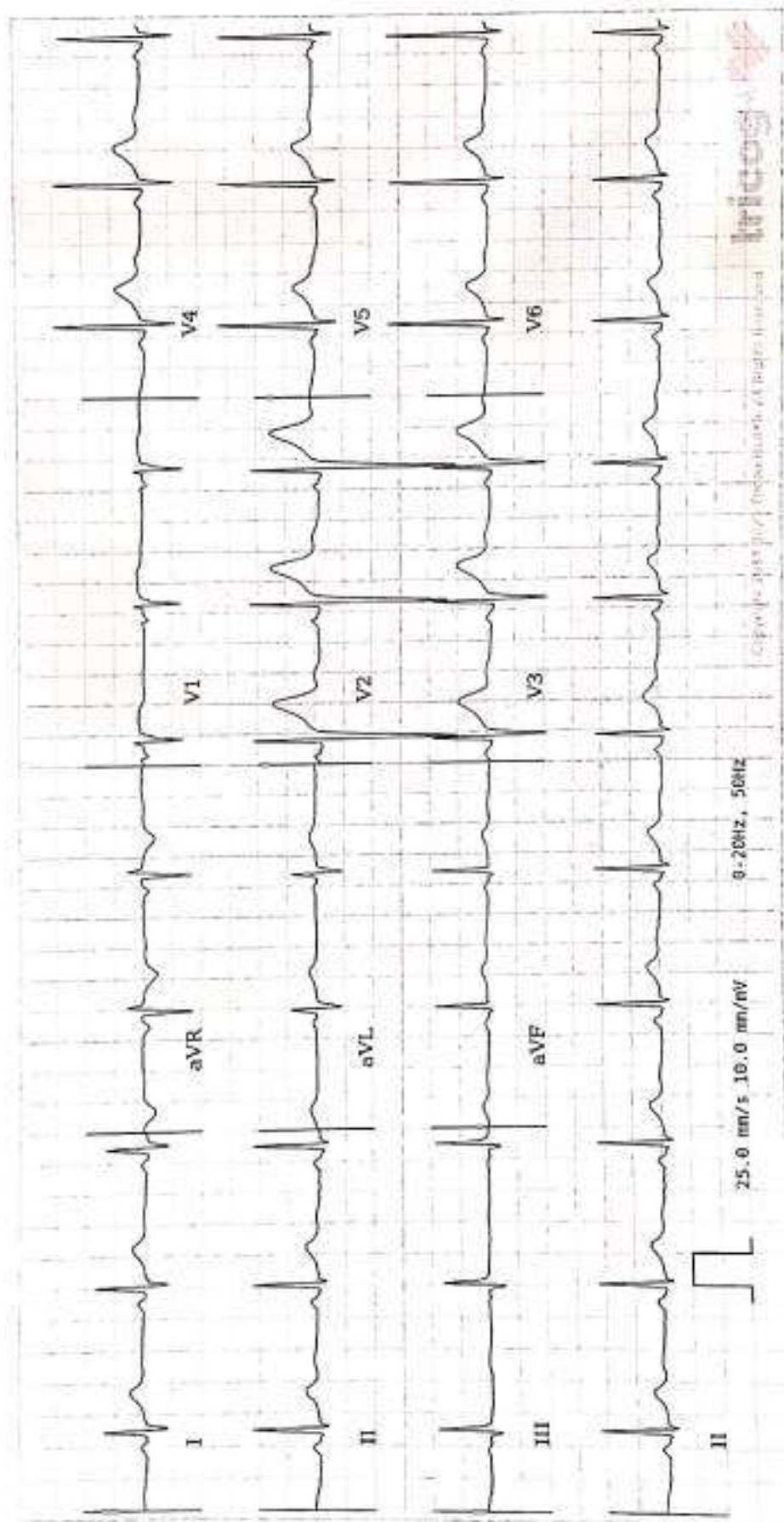
- Doctor's Comments :

Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.78	3.27	86	--	--
FEV1	[L]	3.16	3.25	103	--	--
FEV.5	[L]	--	--	--	--	--
FEV3	[L]	3.67	--	--	--	--
FEV6	[L]	--	--	--	--	--
PEFR	[L/s]	9.42	6.72	71	--	--
FEF25-75	[L/s]	4.31	4.98	116	--	--
FEF75-85	[L/s]	--	1.93	--	--	--
FEF.2-1.2	[L/s]	7.55	5.96	79	--	--
FEF25%	[L/s]	8.18	7.76	95	--	--
FEF50%	[L/s]	5.93	5.56	94	--	--
FEF75%	[L/s]	3.04	2.42	80	--	--
FEV.5/FVC	[%]	--	--	--	--	--
FEV1/FVC	[%]	83.40	99.52	119	--	--
FEV3/FVC	[%]	97.00	--	--	--	--
FEV6/FVC	[%]	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--
FET	[S]	--	--	--	--	--
ExpTime	[S]	--	1.35	--	--	--
LungAge	[Y]	34.00	33.00	97	--	--
FIVC	[L]	--	2.96	--	--	--
PIFR	[L/s]	--	5.30	--	--	--
FIF25%	[L/s]	--	7.71	--	--	--
FIF50%	[L/s]	--	6.64	--	--	--
FIF75%	[L/s]	--	4.09	--	--	--
FIV.5	[L]	--	0.19	--	--	--
FIV1	[L]	--	0.31	--	--	--
FIV3	[L]	--	--	--	--	--
FIV.5/FIVC	[%]	--	6.28	--	--	--
FIV1/FIVC	[%]	--	10.47	--	--	--
FIV3/FIVC	[%]	--	--	--	--	--



DR. ABHISHEK DAS

Age / Gender: 34/Male
Date and Time: 21st Mar 25 1:42 PM
Patient ID: 9439979749
Patient Name: Jagannath sahoon



AR: 67bpm VR: 67bpm QRSO: 80ms QT: 372ms QTcB: 393ms PRI: 128ms P-R-T: 36° 69° 25°

Sinus Rhythm. LVH by voltage criteria noted, may be a normal variant in view of age, kindly correlate clinically. Please correlate clinically.

REPORTED BY

[Signature]

Dr. Pragna Vasanthan Jala

Disclaimer: Analysis in this report is based on ECG alone and should only be used as an adjunct to clinical history, symptoms and results of other investigations and must be interpreted by a qualified physician.



Date : 21.3.25

Name : Jagannath Sahoo

Age : 34 Sex : M

C/O :

H/U :

REV 6/6

LEV 6/6

Systemic Disease :

Colour Vision :

Normal

R Refresh tears ed
0000
(PSE) 4rim3 + 4Wm

N.ch
21.3.25

GLASS PRESCRIPTION

	Right Eye				Left Eye			
	DSPH	DCPL	AXIS	VIA	DSPH	DCPL	AXIS	VIA
Distance (DV)	P			6/6	P			6/6
Near Add (NV)	P			12/6	P			12/6

Remarks :