

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.: RGHSP/EC_COMPLIANCE/JUNE_1st_25

Date: 19.05.2025

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 (June 1st 2025)** Compliance status report of the conditions stipulated in environmental clearance for the period of **October 2024 to March 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,

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-

RASHMI GREEN HYDROGEN STEEL PVT. LTD.

Abhinav Singh

Director/Authorised Signatory

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 – 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 for the period of October 2024 to March 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 April 2024 to September 2024 was submitted to concerned department vide mail & letter no. RGHSPL/EC_Compliance/DEC_24 dated 29.11.2024 and on Parivesh portal vide Compliance ID: 113008788 dated 30.11.2024.

We would further like to state that information in respect of modification in existing plant configuration 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 on 17.03.2025.

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

RASHMI GREEN HYDROGEN STEEL PVT. LTD.

Ashwini Singh
Authorized 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 (June 1st 2025) Compliance status report of the EC conditions

2. Stack Monitoring report as Annexure-I.
3. Green Belt Development Detail as Annexure-II.
4. Latest OCEMS report as Annexure-III.
5. Copy of Ambient Air Monitoring Report as Annexure-IV.
6. Copy of Fugitive Emission Report as Annexure-V.
7. Effluent water sampling Report is enclosed as Annexure-VI.
8. Ground water sampling Report is enclosed as Annexure-VII.
9. Copy of Ambient & Work Noise Monitoring Report Annexure-VIII.
10. Occupational health surveillance report of the workers as Annexure-IX.

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Rashmi Singh

Director/Authorised Signatory

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

(June 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:

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

SUBMITTED BY

**M/s 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 – Changual (J.L. No. 360), Jethia (J.L. No. 361), Khatranga (J.L. No. 362), Gopinathpur (J.L. No. 359) and Goyalara (J.L. No. 391), P.S. – Kharagpur (Local), Dist. – Paschim Medinipur, West Bengal

Clearance Letters No. : 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.

Period of Compliance : October 2024 to March 2025
Report

S. No.	Specific conditions	Compliance Status
i	The PP shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Agreed and noted for compliance. The project is still in construction phase. The company is currently operating 3,20,000 Ton/Year Seamless Pipe/Tube along with 03 sets of 3 x 3,500 m ³ /Hr (31,500 m ³ /Hr) Coal Gasifier Plant and 0.6 million Tonnes/Year Ductile Iron Pipe, Fitting and Accessories after obtaining valid Consent to Operate (Valid up to 31.03.2028) from West Bengal Pollution Control Board.
ii.	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents	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

	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>PARIVESH Portal vide proposal no. IA/WB/IND1/527771/2025 dated 17.03.2025.</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>The project is still in construction phase. The company is currently operating 3,20,000 Ton/Year Seamless Pipe/Tube along with 03 sets of 3 x 3,500 m³/Hr (31,500 m³/Hr) Coal Gasifier Plant and 0.6 million Tonnes/Year Ductile Iron Pipe, Fitting and Accessories after obtaining valid Consent to Operate (Valid up to 31.03.2028) from West Bengal Pollution Control Board.</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. 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. RGHSP/EC_SMC/DEC23/2023-24/1 dated 27.11.2023.</p>

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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), Changua Pond (1.45 Km, SW), Midnapore High Level Canal (4.0 km, N), Kapaleshwari Khal (4.5 Km, SE), Kangsabati River (5.0 Km, N) and Jakala Nalla (2.5 Km, NW) exists within the study area of 10 km from the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.</p>	<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="817 1344 1390 1630" data-label="Image"> </div> <div data-bbox="817 1637 1390 1924" data-label="Image"> </div> <p>Photographs of drain inside plant</p>

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		Provisions for garland drain around raw materials stock yard & solid waste disposal yard and catch pit is provided to trap run off material.
vi.	ESA's such as Griffins International School – 0.45 km & Khatranga School – 0.46 are in close proximity to the project site. Environmental safeguards as per the submitted EMP Plan for environmental sensitivity area shall be implemented.	<p>Agreed & 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.</p>
vii.	The water requirement of 11,000 m ³ /day, shall be met from the Surface Water (Kangsabati River) & Rainwater Harvesting Structure. Necessary permission from the Competent Authorities shall be obtained. PP shall explore the possibility of shifting to alternate source of water to reduce dependency on groundwater.	<p>Agreed and is Being Complied With.</p> <p>The industrial water requirement will be sourced from surface water (Kangsabati river), rain water harvesting pond and ground water (domestic water requirement only).</p> <p>Water Permission from Irrigation & water Department, West Bengal from Kangsabati River, and SWID, West Bengal are obtained. Permission copies submitted with the Half Yearly Compliance report December 2023 vide ref no. RGHSPL/EC-SMC/DEC23/2023-24/01 dated 27.11.2023.</p> <p>Also, Company has made an application to SWID for extraction of water from base flow of Kangsabati river.</p>
viii.	As committed, PP shall adopt 08 nos. of Villages namely Khatranga, Chakmakrampur, Jethia, Gopinathpur, Goyalara, Kajala, Changual & Radhanagar. PP shall formulate robust village	<p>Is being complied with</p> <p>M/s. Rashmi Green Hydrogen Steel Private Limited has proposed to adopt the below mentioned 08 nos. of Villages</p>

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	Adoption program consisting of need-based community development activities, to develop them into model villages.	<p>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) Changua & 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.	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>Agreed and being complied.</p> <p>The project is still in construction phase. The company is currently operating 3,20,000 Ton/Year Seamless Pipe/Tube along with 03 sets of 3 x 3,500 m³/Hr (31,500 m³/Hr) Coal Gasifier Plant and 0.6 million Tonnes/Year Ductile Iron Pipe, Fitting and Accessories after obtaining valid Consent to Operate (Valid up to 31.03.2028) from West Bengal Pollution Control Board. Performance test shall be conducted and submitted to your good office.</p> <p>Latest stack emission report carried by NABL accredited laboratory for operational plant is enclosed as Annexure-I.</p>

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<p style="text-align: center;">x.</p>	<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 2024, about 93,000 numbers of trees have been planted with survival rate 94.6% (88,000 Nos.). From October 2024 to March 2025 around 1,000 numbers of trees have been planted. Details of Greenbelt are annexed as Annexure-II.</p> <p>Around 34,636 saplings are planted under Plant 4 Mother campaign for the FY 24-25.</p>
<p style="text-align: center;">xi.</p>	<p>Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.</p>	<p>Agreed and being complied.</p> <p>Greening and paving is being carried out in parallel with implementation of proposed project.</p>

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		 <p style="text-align: center;">Paving of internal road</p>
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xii.	Solid waste utilization	
	a.	<p>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> <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.	<p>PP shall recycle/reuse solid waste generated in the plant as far as possible.</p> <p style="text-align: center;">Agreed and noted for compliance.</p>
	c.	<p>Used refractories shall be recycled as far as possible.</p> <p style="text-align: center;">Agreed and noted for compliance.</p>
xiii.	<p>Sinter Plant shall be equipped with Sinter cooler waste recovery system and suitable technology</p> <p style="text-align: center;">Agreed and will be complied once the project comes in operation.</p>	

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	for control of dioxins and furans emissions from the plant.	
xiv.	Coke oven plant shall be equipped with modified wet quenching system.	Agreed & will be complied.
xv.	Tar shall be recovered from producer gas and shall be sold to registered processors.	Agreed and 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.  <p>Trucks covered with industrial grade tarpaulin during movement</p>


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	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 implementation 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.	Agreed and noted for compliance. Ferro alloy plant is not yet implemented. As per latest development, management of the company proposed to surrender 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

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		will be complied once the project comes in operation.
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 proposed to be surrendered along with scaling down of pickling line and galvanizing line 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 3,20,000 Ton/Year Seamless Pipe/Tube along with 03 sets of 3 x 3,500 m³/Hr (31,500 m³/Hr) Coal Gasifier Plant and 0.6 million Tonnes/Year Ductile Iron Pipe, Fitting and Accessories 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 enclosed as Annexure-I.</p>




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xxiv.	Air Cooled condensers shall be used in the captive power plant.	Agreed and noted for compliance. The said condition will be taken care of at the time of finalizing the plant/process design.
xxv.	During operational phase at Captive Power Plant, PP shall measure coal dust exposures and to maintain coal dust exposures within stipulated standards at coal handling areas. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.	Agreed and will be complied once the project comes in operation.
xxvi.	Ductile Iron (DI) plant shall have the following provisions:	
	a. Bag filter for Zn coating and Mg converter area.	Is being/will be complied. Consent to Operate (Valid up to 31.03.2028) from West Bengal Pollution Control Board vide CTO No.: WBPCB/5836524/2024 dated 26.12.2024 obtained for 0.6 million Tonnes/Year Ductile Iron Pipe, Fitting and Accessories and said conditions are being complied.
	b. Wet scrubbers in paint and bitumen coating area.	
	c. Bag Filter in Cement lining area.	
	d. PTFE dipped bags shall be used in the plant.	
	e. PM emissions from BF in Zinc coating area shall be 5 mg/Nm ³ .	
	f. ETP with recycling facility shall be included.	
xxvii.	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.	Agreed and being complied. Rainwater harvesting structure is already implemented.

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		 <p>Rainwater harvesting pond already developed inside plant premises</p>  <p>Rainwater harvesting pond under construction</p>
xxviii.	<p>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>	<p>Agreed and noted for compliance.</p> <p>The project is still in construction phase. The plant is being designed as zero liquid discharge (ZLD). Treated domestic wastewater will be used for greenbelt development and dust suppression. ETP has been installed for the operational plant.</p>
xxix.	<p>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</p>	<p>Agreed and is being complied with.</p>  <p>RASHMI GREEN HYDROGEN STEEL PVT. LTD.</p> <p><i>Abhinav Singh</i> Director/Authorised Signatory</p>






	the proposed site shall be prepared and implemented.	 <p style="text-align: center;">Fire Alarms</p>    <p style="text-align: center;">Fire Fighting System</p>
xxx.	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	<p>Agreed and noted for compliance.</p> <p>Electronic wastes will be collected and given to authorized recyclers/ refurbished. Management of e-waste shall be done in line with the E-Waste (Management) Rules, 2016.</p>
xxxi.	All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of	<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</p>

<p>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>	<p>action plan submitted to the Ministry. An amount of ₹ 1.1 Crores under EMP for social and infrastructure development has been spent till March 2024. An amount of ₹ 36,89,953 under EMP for social and infrastructure development has been spent for FY 24- 25.</p>  <p style="text-align: center;">Dubgoal High School</p>   
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		   <p>Khatranga Sudhirchandra Vidyapith</p>  
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		 <p style="text-align: center;">Khatranga Primary School</p>
xxxii.	<p>The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (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</p>	<p>Agreed and noted for compliance.</p> <p>Single use plastic is banned & Posters & painting for use of Eco-friendly Carry Bag has been displayed at various prominent areas for awareness of our employees, vendors & local people.</p> 

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	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.	
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. Dedicated water spraying tankers are being used for the suppression of fugitive emission. Greenbelt development is under process to control the fugitive emission.</p>    <p>Mechanical sweeping machine</p>

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Director/Authorised Signatory

		
		Water sprinkling on road
S. No.	General Conditions	Compliance Status
I.	Statutory compliance:	
	i. The Environment Clearance (EC) granted to the project/activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/construe to approvals/consent/permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc.as may be applicable to the project.	Noted.
II.	Air quality monitoring and preservation	
	i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in	Being Complied With. CEMS has been installed for operational units and integrated with CPCB server. Graphs of CEMS data is enclosed as Annexure-III . CAAQMS have already been purchased and installation will be done soon. Ambient air quality monitored at five locations viz., Gopinathpur Village, Kaliachak Village, Jethia Village, Near Plant Main Gate, Goalara Village by third party monitoring agency Greenvision,

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		<p>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>which is NABL accredited laboratory. As per monitoring reports, emission levels are as follows:</p> <table><tr><th>Parameter</th><th>Gopinathpur Village</th><th>Near Plant Main Gate</th><th>Kaliachhak Village</th><th>Goyalara Village</th><th>Jethi a Village</th></tr><tr><td>PM₁₀ (µg/m³)</td><td>52.68</td><td>74.28</td><td>48.51</td><td>46.52</td><td>55.18</td></tr><tr><td>PM_{2.5} (µg/m³)</td><td>26.94</td><td>38.92</td><td>24.72</td><td>22.86</td><td>27.64</td></tr><tr><td>SO₂ (µg/m³)</td><td>6.56</td><td>7.96</td><td>6.32</td><td>6.7</td><td>6.12</td></tr><tr><td>NO₂ (µg/m³)</td><td>30.62</td><td>32.12</td><td>30.14</td><td>30.96</td><td>29.94</td></tr><tr><td>CO (mg/m³)</td><td>0.165</td><td>0.309</td><td>0.148</td><td>0.177</td><td>0.161</td></tr></table> <p>Latest Ambient Air Quality Monitoring Analysis reports carried by NABL/MoEF accredited lab are attached in as Annexure– IV.</p>	Parameter	Gopinathpur Village	Near Plant Main Gate	Kaliachhak Village	Goyalara Village	Jethi a Village	PM ₁₀ (µg/m ³)	52.68	74.28	48.51	46.52	55.18	PM _{2.5} (µg/m ³)	26.94	38.92	24.72	22.86	27.64	SO ₂ (µg/m ³)	6.56	7.96	6.32	6.7	6.12	NO ₂ (µg/m ³)	30.62	32.12	30.14	30.96	29.94	CO (mg/m ³)	0.165	0.309	0.148	0.177	0.161
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	ii.	<p>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>	<p>Being Complied with.</p> <p>Fugitive Emissions have been monitored at the three locations by third party monitoring agency which is NABL accredited laboratory. As per monitoring reports, emission levels are as follows:</p> <table><tr><th>Location</th><th>Parameter (µg/m³)</th><th>Mar'25</th></tr><tr><td rowspan="4">Seamless pipe area</td><td>TSPM</td><td>117.52</td></tr><tr><td>RSPM</td><td>67.85</td></tr><tr><td>SO₂</td><td>7.34</td></tr><tr><td>NO₂</td><td>30.14</td></tr><tr><td rowspan="4">Truck Parking Area</td><td>TSPM</td><td>190.32</td></tr><tr><td>RSPM</td><td>76.24</td></tr><tr><td>SO₂</td><td>7.98</td></tr><tr><td>NO₂</td><td>31.62</td></tr><tr><td rowspan="4">Construction Site</td><td>TSPM</td><td>112.36</td></tr><tr><td>RSPM</td><td>45.34</td></tr><tr><td>SO₂</td><td>7.14</td></tr><tr><td>NO₂</td><td>30.62</td></tr></table> <p>Fugitive Emissions monitoring report is enclosed as Annexure-V.</p>	Location	Parameter (µg/m ³)	Mar'25	Seamless pipe area	TSPM	117.52	RSPM	67.85	SO ₂	7.34	NO ₂	30.14	Truck Parking Area	TSPM	190.32	RSPM	76.24	SO ₂	7.98	NO ₂	31.62	Construction Site	TSPM	112.36	RSPM	45.34	SO ₂	7.14	NO ₂	30.62						
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	NO ₂	30.62																																					

	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> <div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;">Cyclone Separator Induced Draft Fan Filter</p>

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			 <p style="text-align: center;">Bag House Filter</p> <div style="display: flex; justify-content: space-around;">   </div> <p style="display: flex; justify-content: space-around;">Vane Filter Wet Scrubber</p>
	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.

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			<ul style="list-style-type: none"> Speed of the vehicles to be regulated (20 km/hr) to control the fugitive dust emission from the roads.
	ix.	Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility).	Noted and will be considered in design phase.
	x.	Land-based APC system shall be installed to control coke pushing emissions.	Noted and will be considered in design phase.
	xi.	Monitor CO, HC and O ₂ in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.	<p>Agreed and noted for compliance.</p> <p>CO, HC and O₂ in flue gases of the coke oven battery will be monitored to detect combustion efficiency and cross leakages in the combustion chamber.</p>
	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		




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	i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. 277(E) dated 31 st March 2012 (Integrated iron & Steel); S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	<p>Agreed and is being complied with.</p> <p>The plant is being designed as Zero Liquid Discharge (ZLD) and 100% water is 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.</p> <p>Effluent quality is being monitored at ETP inlet & Outlet by third party monitoring agency Greenvision which is NABL accredited laboratory. Latest effluent Monitoring Analysis reports carried by NABL/MoEF accredited lab are attached in as Annexure-VI.</p>
	ii.	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Monitoring of ground water quality carried by Greenvision (NABL accredited lab.) in March 2025. Copy of the monitoring report is enclosed as Annexure-VII .
	iii.	Sewage Treatment Plant shall be provided for	<p>Being complied.</p> <p style="text-align: right;">RASHMI GREEN HYDROGEN STEEL PVT. LTD.</p> <p style="text-align: right;"><i>Abhinav Singh</i></p> <p style="text-align: right;">Director/Authorised Signatory</p>

		treatment of domestic wastewater to meet the prescribed standards.	 <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> <div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around;"> <p>Garland Drains</p> <p>Collection pit</p> </div>
	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>
	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 style="text-align: center;">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)	<p>Being complied with.</p> <p>Noise level has been monitored at work zone i.e., (Construction as well as operational plant area) by third party.</p>

		Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as part of six-monthly compliance report.	monitoring agency Greenvision which is a NABL accredited laboratory. Noise monitoring reports are attached as Annexure-VIII .
V.	Energy Conservation measures		
	i.	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.	Noted and will be complied with during project implementation stage.
	ii.	Restrict Gas flaring to < 1 %.	Noted and will be complied with.
	iii.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;	Agreed and will be complied with. Currently the project is under construction stage and solar internal street light is provided at potential area.
	iv.	Provide LED lights in their offices and residential areas.	<p>Being Complied With</p>    <p>Photograph of the LED lights installed in plant</p>

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	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.	Being Complied With. Kitchen wastes are composted and are being used as manure for green belt development.
VII.	Green Belt		
	i.	Green belt shall be developed in an area equal to 33% of the plant area with native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant	Agreed and is being complied with. Till September 2024, about 93,000 numbers of trees have been planted with survival rate 94.6% (88,000 Nos.). From October 2024 to March 2025 around 1,000 numbers of trees have been planted. Details of Greenbelt are annexed as Annexure-II . Around 34,636 saplings are planted under Plant 4 Mother campaign for the FY 24-25.
	ii.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon	Complied. In compliance to the said condition, report submitted with the Half Yearly Compliance Report December 2023 vide Ref no. RGHSPL/EC_SMC/DEC23/2023-24/01 dated 27.11.2023.

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		sequestration by trees in the plant premises.	
	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	Agreed and being complied. Proper PPEs are provided to the worker. Without proper PPEs no one is allowed to

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		<p>in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.</p>	<p>work inside the plant premises. Safety awareness campaigns organised inside the plant premises with the objective of demonstrating the use of PPEs in different work zone and explaining the benefit of using PPEs.</p>  <p style="text-align: center;">Photographs of tool box talk and PPEs</p>
	iii.	<p>Occupational health surveillance of the workers shall be done on a regular basis and records maintained.</p>	<p>Being Complied.</p> <p>The occupational health surveillance of the workers employed during operation & construction phase has been done and records are maintained as per the</p>

			<p>Factories Act. Copy of report enclosed as Annexure-IX.</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.	Agreed and being complied.
	ii.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/violation of the environmental/ forest/wildlife	<p>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 already submitted with the Half Yearly Compliance Report December 2023 vide Ref no. RGHSPL/EC_SMC/DEC23/2023-24/01 dated 27.11.2023.</p> <p style="text-align: right;">RASHMI GREEN HYDROGEN STEEL PVT. LTD. <i>Abhinav Singh</i> Director/Authorised Signatory</p>


		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.	
	iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Complied. A separate Environmental Cell both at project and company head quarter is in place. Copy of corporate environmental policy is already submitted with the Half Yearly Compliance Report December 2023 vide Ref no. RGHSPL/EC_SMC/DEC23/2023-24/01 dated 27.11.2023.
X.	Miscellaneous		
	i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall	Complied. Details for the said condition are already submitted to the Ministry along with the Half Yearly Compliance Report for the period of April 2023 to September 2023 vide Ref. no. RGHSPL/EC_SMC/DEC23/2023- 24/01 dated 27.11.2023. Copy of the EC uploaded on company's website https://www.rashmiseamless.com/quality/

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		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 style="text-align: center;">Complied.</p> <p>Details for the said condition was 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 in parallel with implementation of the project.</p> <p style="text-align: right;">RASHMI GREEN HYDROGEN STEEL PVT. LTD. <i>Abhimata Singh</i> Director/Authorised Signatory</p>

			 <p style="text-align: center;">Display Board</p>
	v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	<p style="text-align: center;">Is being complied with.</p> <p>The last compliance report for the period April 2024 to September 2024 has been submitted to ministry vide letter no. RGHSPL/EC_Compliance/DEC_24 dated 29.11.2024 through email 30.11.2024 and uploaded on Parivesh Portal having Compliance ID 113008788 dated 30.11.2024.</p>
	vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	<p style="text-align: center;">Agreed and being complied.</p> <p>Form-V is submitted for the financial year 2023-24 vide letter no. RGHSPL/ENV_Statement_23-24/2024-25/01 dated 24.09.2024. and uploaded on company's website https://www.rashmiseamless.com/quality/.</p>
	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	<p style="text-align: center;">Noted.</p> <p>The company is a private company and no finance is needed from outside. Land development work has been started after getting NOC from WBPCB.</p>

[illegible]

		the information to public/public domain.	
	xi.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/ monitoring reports.	Agreed and noted for compliance.
8.		The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Agreed and noted for compliance.
9.		Concealing factual data or submission of false/fabricated data and failure to comply with 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	Agreed and noted.

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	days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	
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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GREEN VISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board



Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

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

TEST REPORT OF STACK GAS ANALYSIS

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

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC152882500000208F	
Report No.	: GV/AR/24-25/685	Sample Ref. ID	: AS-036-2025(6)
Name of Customer	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Report Date	: 05.04.2025
Address of Customer	: Khatranga, Changua, Gopinathpur, Kharagpur,	Date of Sampling	: 24.03.2025
	Dist. : Paschim Medinipur, Pin : 721301.	Sample Received On	: 25.03.2025
Sample Description	: Stack Air	Analysis Started On	: 26.03.2025
Sampling Location	: Hot Water Generator	Analysis Completed On	: 26.03.2025
Sample Condition	: In GMF Thimble & Plastic Bottles	Time of Sampling	: 01:10 pm
Sampling Method	: CPCB, Emission Regulation (Part III)		
Testing Location	: At Laboratory		

A. GENERAL INFORMATION ABOUT STACK

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

B. FUEL CHARACTERISTIC REPORT

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

C. RESULTS OF GASEOUS EMISSION SAMPLING

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

Pollution Control Device	: Cyclone Separator
Permanent Ladder and Platform	: Yes

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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



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TC-15288

Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

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

TEST REPORT OF STACK GAS ANALYSIS

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

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC1528825000000207F	
Report No.	: GV/AR/24-25/684	Sample Ref. ID	: AS-036-2025(5)
Name of Customer	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Report Date	: 05.04.2025
Address of Customer	: Khatranga, Changua, Gopinathpur, Kharagpur,	Date of Sampling	: 24.03.2025
	Dist. : Paschim Medinipur, Pin : 721301.	Sample Received On	: 25.03.2025
Sample Description	: Stack Air	Analysis Started On	: 26.03.2025
Sampling Location	: Re-Heating Furnace	Analysis Completed On	: 26.03.2025
Sample Condition	: In GMF Thimble & Plastic Bottles	Time of Sampling	: 11:20 am
Sampling Method	: CPCB, Emission Regulation (Part III)		
Testing Location	: At Laboratory		

A. GENERAL INFORMATION ABOUT STACK

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

B. FUEL CHARACTERISTIC REPORT

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

C. RESULTS OF GASEUS EMISSION SAMPLING

		Test Method
01. Flue gas temperature (°C)	255	CPCB, Emission Regulation (Part III)
02. Barometric pressure (mm of Hg)	754.0	CPCB, Emission Regulation (Part III)
03. Velocity of flue gas (m/sec)	11.34	CPCB, Emission Regulation (Part III)
04. Quantity of gas flow (Nm ³ /hr.)	12990.28	CPCB, Emission Regulation (Part III)
05. Concentration of Particulate Matter (mg/ Nm ³)	18.34	IS:11255 (Part 1), 1985, Reaffirmed 2014
06. Concentration of NO ₂ (mg/ Nm ³)	28.14	IS:11255 (Part 3), 2008
07. Concentration of SO ₂ (mg/ Nm ³)	16.64	IS:11255 (Part 2), 1985, Reaffirmed 2014
08. Concentration of CO ₂ (% V/V)	7.0	IS:13270:1992, Reaffirmed 2014
09. Concentration of CO (% V/V)	< 0.2	IS:13270:1992, Reaffirmed 2014
Pollution Control Device	: Nil	
Permanent Ladder and Platform	: Yes	

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

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

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

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

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

	d	Voluntarily in no. for green belt development in nearby area	Around 34,636 saplings are planted under Plant 4 Mother campaign for the FY 24-25
8	Details of plantations		

	A	Plantation details (category wise & methodology used)	Year of plantation			
			Nos.			
	b	Survival of plantation	FY 2022-23	FY 2023-24	FY 2024-25	
		- Total Seedling/Plantation (No.)	5,000	80,000	9,000	
		- Survival Trees (No) as on date from date of EC	4,400	76,000	8,550	
		- Survival	88.0%	95.0%	95.0%	
	Total no. of plant		89,950			
9.	Future Plan on Green Belt development		Greenbelt development over an area of 36.83 hectares i.e., 35.0% areas of total plant premises will be done within the given time frame			
10.	Agency carrying out plantation and maintenance		Our own horticulture department & third party			
11.	Financial details (year wise) plantation wise and item wise		S. No.	Year	Fund allocated (₹)	Expenditure including voluntary tree plantation cost (₹)
			1	2023-24	20,00,000	20,30,000
			2	2024-25	10,00,000	1,58,26,500





PHOTOGRAPHS OF THE GREENBELT DEVELOPED INSIDE THE PLANT

Continuous emission monitoring report

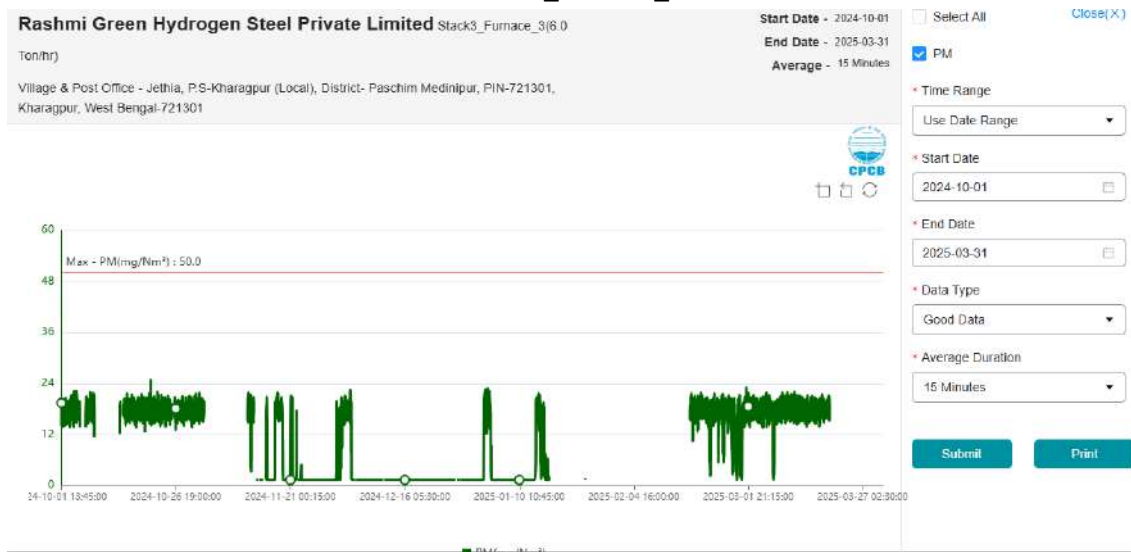
Stack1_Furnace_1



Stack2_Furnace_2



Stack3_Furnace_3





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TEST REPORT OF AMBIENT AIR ANALYSIS

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

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC1528825000000203F

Report No. : GV/AR/24-25/680
Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.
Address of Customer : Khatranga, Changual, Gopinathpur, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301.
Sample Description : Ambient Air
Sampling Location : Gopinathpur Village
Sample Condition : In GMF Filter Paper & Plastic Bottle
Location of Testing : At Laboratory

Sample Ref. ID : AS-036-2025(1)
Report Date : 05.04.2025
Date of Sampling : 24.03.2025 to
25.03.2025
Date of Receiving : 25.03.2025
Analysis Started On : 26.03.2025
Analysis Completed On : 27.03.2025
Time of Sampling : 09:10 am to
09:10 am

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 33.2
Average Relative Humidity (%) : 76.0
Barometric Pressure (mm of Hg) : 754.0
Smell or Odour : No Remarkable Smell
Weather Condition : Clear Sky

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of PM ₁₀	$\mu\text{g}/\text{m}^3$	52.68	IS : 5182 (Part 23), 2006
02.	Concentration of PM _{2.5}	$\mu\text{g}/\text{m}^3$	26.94	EPA CFR – 40 (pt 50) Appendix – 1 : 2003
03.	Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	6.56	IS : 5182 (Part 2), 2006
04.	Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	30.62	IS : 5182 (Part 6), 2006
05.	Concentration of CO	mg/m^3	0.165	IS 5182 [Part 10] : 1999 Reaffirmed 2005
06.	Concentration of Ozone as O ₃	$\mu\text{g}/\text{m}^3$	< 10.0	IS 5182 [Part - IX] : 1974

Limit : ($\mu\text{g}/\text{m}^3$) National Ambient Air Quality Standard, CPCB Notification, 18th November, 2009

PM₁₀ (24 Hrs) : 100, PM_{2.5} (24 Hrs) : 60, SO₂ (24 Hrs.) : 80, NO₂ (24 Hrs.) : 80, Ozone : 100.0 (8 Hrs.), CO : 4 (mg/m^3).

S. Roy Chowdhury

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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TC-15288

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

TEST REPORT OF AMBIENT AIR ANALYSIS

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

U.L.R. No. : TC1528825000000204F

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/24-25/681

Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.

Address of Customer : Khatranga, Changual, Gopinathpur, Kharagpur,

Dist. : Paschim Medinipur, Pin : 721301.

Sample Description : Ambient Air

Sampling Location : Kalichak Village

Sample Condition : In GMF Filter Paper & Plastic Bottle

Location of Testing : At Laboratory

Sample Ref. ID : AS-036-2025(2)

Report Date : 05.04.2025

Date of Sampling : 24.03.2025 to
25.03.2025

Date of Receiving : 25.03.2025

Analysis Started On : 26.03.2025

Analysis Completed On : 27.03.2025

Time of Sampling : 09:35 am to
09:35 am

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 33.2

Average Relative Humidity (%) : 76.0

Barometric Pressure (mm of Hg) : 754.0

Smell or Odour : No Remarkable Smell

Weather Condition : Clear Sky

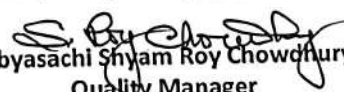
B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of PM ₁₀	$\mu\text{g}/\text{m}^3$	48.51	IS : 5182 (Part 23), 2006
02.	Concentration of PM _{2.5}	$\mu\text{g}/\text{m}^3$	24.72	EPA CFR - 40 (pt 50) Appendix - 1 : 2003
03.	Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	6.32	IS : 5182 (Part 2), 2006
04.	Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	30.14	IS : 5182 (Part 6), 2006
05.	Concentration of CO	mg/m^3	0.148	IS 5182 [Part 10] : 1999 Reaffirmed 2005
06.	Concentration of Ozone as O ₃	$\mu\text{g}/\text{m}^3$	< 10.0	IS 5182 [Part - IX] : 1974

Limit : ($\mu\text{g}/\text{m}^3$) National Ambient Air Quality Standard, CPCB Notification, 18 th November, 2009

PM₁₀ (24 Hrs) : 100, PM_{2.5} (24 Hrs) : 60, SO₂ (24 Hrs.) : 80, NO₂ (24 Hrs.) : 80, Ozone : 100.0(8 Hrs.), CO : 4 (mg/m^3).


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


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

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TC-15288

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TEST REPORT OF AMBIENT AIR ANALYSIS

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

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC1528825000000206F

Report No.	: GV/AR/24-25/683	Sample Ref. ID	: AS-036-2025(4)
Name of Customer	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Report Date	: 05.04.2025
Address of Customer	: Khatranga, Changual, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301.	Date of Sampling	: 24.03.2025 to 25.03.2025
Sample Description	: Ambient Air	Date of Receiving	: 25.03.2025
Sampling Location	: Jethia Village	Analysis Started On	: 26.03.2025
Sample Condition	: In GMF Filter Paper & Plastic Bottle	Analysis Completed On	: 27.03.2025
Location of Testing	: At Laboratory	Time of Sampling	: 10:20 am to 10:20 am

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION

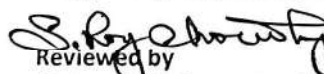
Average Temperature ($^{\circ}\text{C}$) : 33.2
Average Relative Humidity (%) : 76.0
Barometric Pressure (mm of Hg) : 754.0
Smell or Odour : No Remarkable Smell
Weather Condition : Clear Sky


B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of PM ₁₀	$\mu\text{g}/\text{m}^3$	55.18	IS : 5182 (Part 23), 2006
02.	Concentration of PM _{2.5}	$\mu\text{g}/\text{m}^3$	27.64	EPA CFR - 40 (pt 50) Appendix - 1 : 2003
03.	Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	6.12	IS : 5182 (Part 2), 2006
04.	Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	29.94	IS : 5182 (Part 6), 2006
05.	Concentration of CO	mg/m^3	0.161	IS 5182 [Part 10] : 1999 Reaffirmed 2005
06.	Concentration of Ozone as O ₃	$\mu\text{g}/\text{m}^3$	< 10.0	IS 5182 [Part - IX] : 1974

Limit : ($\mu\text{g}/\text{m}^3$) National Ambient Air Quality Standard, CPCB Notification, 18th November, 2009

PM₁₀ (24 Hrs) : 100, PM_{2.5} (24 Hrs) : 60, SO₂ (24 Hrs.) : 80, NO₂ (24 Hrs.) : 80, Ozone : 100.0 (8 Hrs.), CO : 4 (mg/m^3).


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


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

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TEST REPORT OF AMBIENT AIR ANALYSIS

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

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC152882500000222F

Report No. : GV/AR/24-25/686

Sample Ref. ID : AS-036-2025(7)

Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.

Report Date : 05.04.2025

Address of Customer : Khatranga, Changual, Gopinathpur, Kharagpur,

Date of Sampling : 25.03.2025 to

Dist. : Paschim Medinipur, Pin : 721301.

26.03.2025

Sample Description : Ambient Air

Date of Receiving : 26.03.2025

Sampling Location : Near Plant Main Gate

Analysis Started On : 27.03.2025

Sample Condition : In GMF Filter Paper & Plastic Bottle

Analysis Completed On : 28.03.2025

Location of Testing : At Laboratory

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

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 33.2

Average Relative Humidity (%) : 76.0

Barometric Pressure (mm of Hg) : 754.0

Smell or Odour : No Remarkable Smell

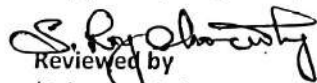
Weather Condition : Clear Sky

B. RESULT OF ANALYSIS


Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of PM ₁₀	$\mu\text{g}/\text{m}^3$	74.28	IS : 5182 (Part 23), 2006
02.	Concentration of PM _{2.5}	$\mu\text{g}/\text{m}^3$	38.92	EPA CFR - 40 (pt 50) Appendix - 1 : 2003
03.	Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	7.96	IS : 5182 (Part 2), 2006
04.	Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	32.12	IS : 5182 (Part 6), 2006
05.	Concentration of CO	mg/m^3	0.309	IS 5182 [Part 10] : 1999 Reaffirmed 2005
06.	Concentration of Ozone as O ₃	$\mu\text{g}/\text{m}^3$	< 10.0	IS 5182 [Part - IX] : 1974

Limit : ($\mu\text{g}/\text{m}^3$) National Ambient Air Quality Standard, CPCB Notification, 18th November, 2009

PM₁₀ (24 Hrs) : 100, PM_{2.5} (24 Hrs) : 60, SO₂ (24 Hrs.) : 80, NO₂ (24 Hrs.) : 80, Ozone : 100.0 (8 Hrs.), CO : 4 (mg/m^3).



Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager



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

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TC-15288

Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

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

TEST REPORT OF AMBIENT AIR ANALYSIS

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

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC1528825000000205F

Report No. : GV/AR/24-25/682
Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.
Address of Customer : Khatranga, Changual, Gopinathpur, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301.
Sample Description : Ambient Air
Sampling Location : Goalara Village
Sample Condition : In GMF Filter Paper & Plastic Bottle
Location of Testing : At Laboratory

Sample Ref. ID : AS-036-2025(3)
Report Date : 05.04.2025
Date of Sampling : 24.03.2025 to
25.03.2025
Date of Receiving : 25.03.2025
Analysis Started On : 26.03.2025
Analysis Completed On : 27.03.2025
Time of Sampling : 09:55 am to
09:55 am

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION


Average Temperature ($^{\circ}\text{C}$) : 33.2
Average Relative Humidity (%) : 76.0
Barometric Pressure (mm of Hg) : 754.0
Smell or Odour : No Remarkable Smell
Weather Condition : Clear Sky

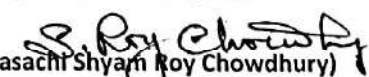
B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of PM ₁₀	$\mu\text{g}/\text{m}^3$	46.52	IS : 5182 (Part 23), 2006
02.	Concentration of PM _{2.5}	$\mu\text{g}/\text{m}^3$	22.86	EPA CFR – 40 (pt 50) Appendix – 1 : 2003
03.	Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	6.7	IS : 5182 (Part 2), 2006
04.	Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	30.96	IS : 5182 (Part 6), 2006
05.	Concentration of CO	mg/m^3	0.177	IS 5182 [Part 10] : 1999 Reaffirmed 2005
06.	Concentration of Ozone as O ₃	$\mu\text{g}/\text{m}^3$	< 10.0	IS 5182 [Part - IX] : 1974

Limit : ($\mu\text{g}/\text{m}^3$) National Ambient Air Quality Standard, CPCB Notification, 18 th November, 2009

PM₁₀ (24 Hrs) : 100, PM_{2.5} (24 Hrs) : 60, SO₂ (24 Hrs.) : 80, NO₂ (24 Hrs.) : 80, Ozone : 100.0(8 Hrs.), CO : 4 (mg/m^3).


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


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

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TC-15288

Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216
Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF FUGITIVE AIR ANALYSIS

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

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC152882500000223F

Report No. : GV/AR/24-25/687

Sample Ref. ID : AS-036-2025(8)

Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.

Report Date : 05.04.2025

Address of Customer : Khatranga, Changua, Gopinathpur, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301.

Date of Sampling : 25.03.2025

Sample Description : Fugitive Air

Date of Receiving : 26.03.2025

Sampling Location : Construction Site

Analysis Started On : 27.03.2025

Sample Condition : In GMF Filter Paper & Plastic Bottle

Analysis Completed On : 28.03.2025

Location of Testing : At Laboratory

Time of Sampling : 09:50 am to
05:50 pm

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 33.5

Barometric Pressure (mm of Hg) : 754.0

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	112.36	IS : 5182 (Part 4), 1999
02.	Concentration of RSPM	$\mu\text{g}/\text{m}^3$	45.34	IS : 5182 (Part 23), 2012
03.	Concentration of SO_2	$\mu\text{g}/\text{m}^3$	7.14	IS : 5182 (Part 2), 2006
04.	Concentration of NO_2	$\mu\text{g}/\text{m}^3$	30.62	IS : 5182 (Part 6), 2006

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

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

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

S. Sabyasachi Shyam Roy Chowdhury
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
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TEST REPORT OF FUGITIVE AIR ANALYSIS

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

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC152882500000224F

Report No. : GV/AR/24-25/688
Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.
Address of Customer : Khatranga, Changua, Gopinathpur, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301.

Sample Ref. ID : AS-036-2025(9)
Report Date : 05.04.2025
Date of Sampling : 25.03.2025
Date of Receiving : 26.03.2025
Analysis Started On : 27.03.2025
Analysis Completed On : 28.03.2025
Time of Sampling : 10:15 am to
06:15 pm

Sample Description : Fugitive Air
Sampling Location : Truck Parking Area
Sample Condition : In GMF Filter Paper & Plastic Bottle
Location of Testing : At Laboratory

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION


Average Temperature ($^{\circ}\text{C}$) : 33.5
Barometric Pressure (mm of Hg) : 754.0


B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	190.32	IS : 5182 (Part 4), 1999
02.	Concentration of RSPM	$\mu\text{g}/\text{m}^3$	76.24	IS : 5182 (Part 23), 2012
03.	Concentration of SO_2	$\mu\text{g}/\text{m}^3$	7.98	IS : 5182 (Part 2), 2006
04.	Concentration of NO_2	$\mu\text{g}/\text{m}^3$	31.62	IS : 5182 (Part 6), 2006

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

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


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


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

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TEST REPORT OF FUGITIVE AIR ANALYSIS

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

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC1528825000000225F

Report No. : GV/AR/24-25/689
Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.
Address of Customer : Khatranga, Changual, Gopinathpur, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301.

Sample Ref. ID : AS-036-2025(10)
Report Date : 05.04.2025
Date of Sampling : 25.03.2025

Sample Description : Fugitive Air
Sampling Location : Seamless Pipe Area
Sample Condition : In GMF Filter Paper & Plastic Bottle
Location of Testing : At Laboratory

Date of Receiving : 26.03.2025
Analysis Started On : 27.03.2025
Analysis Completed On : 28.03.2025
Time of Sampling : 10:40 am to
06:40 pm

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION

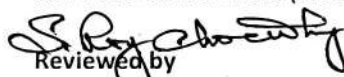
Average Temperature ($^{\circ}\text{C}$) : 33.5
Barometric Pressure (mm of Hg) : 754.0

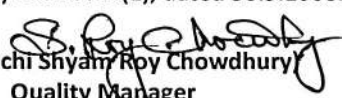
B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	117.52	IS : 5182 (Part 4), 1999
02.	Concentration of RSPM	$\mu\text{g}/\text{m}^3$	67.85	IS : 5182 (Part 23), 2012
03.	Concentration of SO_2	$\mu\text{g}/\text{m}^3$	7.34	IS : 5182 (Part 2), 2006
04.	Concentration of NO_2	$\mu\text{g}/\text{m}^3$	30.14	IS : 5182 (Part 6), 2006

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

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


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


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

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TC-15288

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TEST REPORT OF WATER ANALYSIS

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

Sample is drawn by Representative of M/s. Greenvision

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

U.L.R. No. : TC152882500000209F

Report No. : GV/WW/24-25/202

Sample Ref. ID : WS-020-2025(1)

Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.

Report Date : 05.04.2025

Address of Customer : Khatranga, Changual, Gopinathpur, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301.

Date of Sampling : 24.03.2025

Sample Description : Waste Water

Date of Receiving : 25.03.2025

Sampling Location : ETP Inlet

Analysis Started on : 26.03.2025

Sample Condition : In Glass Bottle & Plastic Bottle

Analysis Completed on : 31.03.2025

Type of Sample : Industrial Waste Water

Time of Sampling : 03:40 pm

Testing Location : At Laboratory

Sampling & Preservation Method : APHA 24th EDITION, 1060

PARAMETERS	TEST METHOD	UNIT	RESULTS
pH	APHA 24 th EDITION, 4500-H+B	---	6.81
Total Suspended Solid(TSS)	APHA 24 th EDITION, 2540 D	mg/l	92.0
Chemical Oxygen Demand (COD)	APHA 24 th EDITION, 5220 B	mg/l	254.0
Biochemical Oxygen Demand (BOD)	IS:3025, P-44, 1993, Reaffirmed 2014	mg/l	58.4
Oil & Grease	APHA 24 th EDITION, 5520 A	mg/l	7.62

S. Roy Chowdhury

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
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TEST REPORT OF WATER ANALYSIS

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

Sample is drawn by Representative of M/s. Greenvision

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

U.L.R. No. : TC152882500000210F

Report No. : GV/WW/24-25/203

Sample Ref. ID : WS-020-2025(2)

Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.

Report Date : 05.04.2025

Address of Customer : Khatranga, Changual, Gopinathpur, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301.

Date of Sampling : 24.03.2025

Sample Description : Waste Water

Date of Receiving : 25.03.2025

Sampling Location : ETP Outlet

Analysis Started on : 26.03.2025

Sample Condition : In Glass Bottle & Plastic Bottle

Analysis Completed on : 31.03.2025

Type of Sample : Industrial Waste Water

Time of Sampling : 03:50 pm

Testing Location : At Laboratory

Sampling & Preservation Method : APHA 24th EDITION, 1060

PARAMETERS	TEST METHOD	UNIT	RESULTS
pH	APHA 24 th EDITION, 4500-H+B	---	7.94
Total Suspended Solid (TSS)	APHA 24 th EDITION, 2540 D	mg/l	28.0
Chemical Oxygen Demand (COD)	APHA 24 th EDITION, 5220 B	mg/l	68.0
Biochemical Oxygen Demand (BOD)	IS:3025, P-44, 1993, Reaffirmed 2014	mg/l	18.5
Oil & Grease	APHA 24 th EDITION, 5520 A	mg/l	< 2.0

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

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

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TC-15288

TEST REPORT OF WATER ANALYSIS

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

Sample is drawn by	: Vikas Ram of M/s. Greenvision	U.L.R. No.	: TC1528825000000222F
Sample identification	: Nil	Laboratory Ref. No.	: DS-022-2025(1)
Report No.	: GV/DW/24-25/138	Report Date	: 05.04.2025
Issued To	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date of Sampling	: 24.03.2025
Address	: Khatranga, Changua, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301.	Sample Received on	: 25.03.2025
		Analysis Started on	: 26.03.2025
Sample Condition	: In Glass Bottle & Plastic Bottle	Analysis Completed on	: 02.04.2025
Sample Description	: Ground Water	Time of Sampling	: 12:20 pm
Sampling Method	: APHA 24 th EDITION, 1060	Testing Location	: At Laboratory
Location	: Tap of Producer Gas Plant		

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed [APHA 24 th EDITION]
				Acceptable Limit	Permissible limit in the absence of alternate source	
1.	pH (at 25°C)	-	7.16	6.5 to 8.5	No Relaxation	4500-H ⁺ B
2.	Colour	Hazen	1.0	5.0	15.0	2120 B
3.	Odour	-	Agreeable	Agreeable	Agreeable	2150 B
4.	Taste	-	Agreeable	Agreeable	Agreeable	2160 A
5.	Turbidity	N.T.U.	0.56	1	5	2130 B
6.	Conductivity	µS/cm	308.0	-	-	2510 B
7.	Total Dissolved Solid (TDS)	mg/L	219.0	500	2000	2540 C
8.	Total Hardness as CaCO ₃	mg/L	86.0	200	600	2340 C
9.	Chloride as Cl	mg/L	16.72	250	1000	4500Cl ⁻ B
10.	Total Alkalinity as CaCO ₃	mg/L	78.0	200	600	2320 B
11.	Sulfate as SO ₄	mg/L	15.92	200	400	4500 SO ₄ ²⁻ E
12.	Nitrate as NO ₃ ⁻	mg/L	1.6	45.0	No Relaxation	4500 NO ₃ ⁻
13.	Fluoride as F	mg/L	BDL	1	1.5	4500 FD
14.	Calcium as Ca	mg/L	21.38	75	200	3500- Ca B
15.	Magnesium as Mg	mg/L	8.14	30	100	3500- Mg B
16.	Iron as Fe	mg/L	0.12	0.3	No Relaxation	3500-Fe B



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

BDL stands for Below Detectable Limit

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

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

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TEST REPORT OF WATER ANALYSIS

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

Sample is drawn by	: Vikas Ram of M/s. Greenvision	U.L.R. No.	: TC152882500000223F
Sample identification	: Nil	Laboratory Ref. No.	: DS-022-2025(2)
Report No.	: GV/DW/24-25/139	Report Date	: 05.04.2025
Issued To	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date of Sampling	: 24.03.2025
Address	: Khatranga, Changuai, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301.	Sample Received on	: 25.03.2025
		Analysis Started on	: 26.03.2025
Sample Condition	: In Glass Bottle & Plastic Bottle	Analysis Completed on	: 02.04.2025
Sample Description	: Ground Water	Time of Sampling	: 12:40 pm
Sampling Method	: APHA 24 th EDITION, 1060	Testing Location	: At Laboratory
Location	: Tap Near STP Area		

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed [APHA 24 th EDITION]
				Acceptable Limit	Permissible limit in the absence of alternate source	
1.	pH (at 25°C)	-	7.07	6.5 to 8.5	No Relaxation	4500-H ⁺ B
2.	Colour	Hazen	1.0	5.0	15.0	2120 B
3.	Odour	-	Agreeable	Agreeable	Agreeable	2150 B
4.	Taste	-	Agreeable	Agreeable	Agreeable	2160 A
5.	Turbidity	N.T.U.	0.62	1	5	2130 B
6.	Conductivity	µS/cm	319.0	-	-	2510 B
7.	Total Dissolved Solid (TDS)	mg/L	228.0	500	2000	2540 C
8.	Total Hardness as CaCO ₃	mg/L	90.0	200	600	2340 C
9.	Chloride as Cl	mg/L	17.36	250	1000	4500Cl ⁻ B
10.	Total Alkalinity as CaCO ₃	mg/L	82.0	200	600	2320 B
11.	Sulfate as SO ₄	mg/L	16.84	200	400	4500 SO ₄ ²⁻ E
12.	Nitrate as NO ₃ ⁻	mg/L	1.6	45.0	No Relaxation	4500 NO ₃ ⁻
13.	Fluoride as F	mg/L	BDL	1	1.5	4500 FD
14.	Calcium as Ca	mg/L	22.85	75	200	3500- Ca B
15.	Magnesium as Mg	mg/L	8.54	30	100	3500- Mg B
16.	Iron as Fe	mg/L	0.13	0.3	No Relaxation	3500-Fe B



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

BDL stands for Below Detectable Limit

S. Sabyasachi Shyam Roy Chowdhury
Reviewed by

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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TEST REPORT OF WATER ANALYSIS

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

Sample is drawn by	: Vikas Ram of M/s. Greenvision	U.L.R. No.	: TC152882500000224F
Sample identification	: Nil	Laboratory Ref. No.	: DS-022-2025(3)
Report No.	: GV/DW/24-25/140	Report Date	: 05.04.2025
Issued To	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Date of Sampling	: 24.03.2025
Address	: Khatranga, Changual, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301.	Sample Received on	: 25.03.2025
		Analysis Started on	: 26.03.2025
Sample Condition	: In Glass Bottle & Plastic Bottle	Analysis Completed on	: 02.04.2025
Sample Description	: Ground Water	Time of Sampling	: 01:05 pm
Sampling Method	: APHA 24 th EDITION, 1060	Testing Location	: At Laboratory
Location	: Tap Near Hotmill Area		

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed [APHA 24 th EDITION]
				Acceptable Limit	Permissible limit in the absence of alternate source	
1.	pH (at 25 ^o C)	-	6.98	6.5 to 8.5	No Relaxation	4500-H ⁺ B
2.	Colour	Hazen	1.0	5.0	15.0	2120 B
3.	Odour	-	Agreeable	Agreeable	Agreeable	2150 B
4.	Taste	-	Agreeable	Agreeable	Agreeable	2160 A
5.	Turbidity	N.T.U.	0.65	1	5	2130 B
6.	Conductivity	µS/cm	324.0	-	-	2510 B
7.	Total Dissolved Solid (TDS)	mg/L	232.0	500	2000	2540 C
8.	Total Hardness as CaCO ₃	mg/L	90.0	200	600	2340 C
9.	Chloride as Cl	mg/L	18.22	250	1000	4500Cl ⁻ B
10.	Total Alkalinity as CaCO ₃	mg/L	80.0	200	600	2320 B
11.	Sulfate as SO ₄	mg/L	16.18	200	400	4500 SO ₄ ²⁻ E
12.	Nitrate as NO ₃ ⁻	mg/L	1.4	45.0	No Relaxation	4500 NO ₃ ⁻
13.	Fluoride as F	mg/L	BDL	1	1.5	4500 FD
14.	Calcium as Ca	mg/L	23.34	75	200	3500- Ca B
15.	Magnesium as Mg	mg/L	8.79	30	100	3500- Mg B
16.	Iron as Fe	mg/L	0.12	0.3	No Relaxation	3500-Fe B



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

BDL stands for Below Detectable Limit

S. Roy Chowdhury
Reviewed by

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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TC-15288

TEST REPORT OF WATER ANALYSIS

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

Sample is drawn by : Vikas Ram of M/s. Greenvision U.L.R. No. : TC1528825000000225F
Sample identification : Nil Laboratory Ref. No. : DS-022-2025(4)
Report No. : GV/DW/24-25/141 Report Date : 05.04.2025
Issued To : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd. Date of Sampling : 24.03.2025
Address : Khatranga, Changuai, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301. Sample Received on : 25.03.2025
Analysis Started on : 26.03.2025
Sample Condition : In Glass Bottle & Plastic Bottle Analysis Completed on : 02.04.2025
Sample Description : Ground Water Time of Sampling : 01:15 pm
Sampling Method : APHA 24th EDITION, 1060 Testing Location : At Laboratory
Location : Tap Near Tooring Office

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed [APHA 24 th EDITION]
				Acceptable Limit	Permissible limit in the absence of alternate source	
1.	pH (at 25°C)	-	7.1	6.5 to 8.5	No Relaxation	4500-H ⁺ B
2.	Colour	Hazen	1.0	5.0	15.0	2120 B
3.	Odour	-	Agreeable	Agreeable	Agreeable	2150 B
4.	Taste	-	Agreeable	Agreeable	Agreeable	2160 A
5.	Turbidity	N.T.U.	0.59	1	5	2130 B
6.	Conductivity	µS/cm	301.0	-	-	2510 B
7.	Total Dissolved Solid (TDS)	mg/L	212.0	500	2000	2540 C
8.	Total Hardness as CaCO ₃	mg/L	84.0	200	600	2340 C
9.	Chloride as Cl	mg/L	16.82	250	1000	4500Cl ⁻ B
10.	Total Alkalinity as CaCO ₃	mg/L	72.0	200	600	2320 B
11.	Sulfate as SO ₄	mg/L	15.74	200	400	4500 SO ₄ ²⁻ E
12.	Nitrate as NO ₃ ⁻	mg/L	1.2	45.0	No Relaxation	4500 NO ₃ ⁻
13.	Fluoride as F	mg/L	BDL	1	1.5	4500 FD
14.	Calcium as Ca	mg/L	21.78	75	200	3500- Ca B
15.	Magnesium as Mg	mg/L	8.04	30	100	3500- Mg B
16.	Iron as Fe	mg/L	0.1	0.3	No Relaxation	3500-Fe B



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TC-15288

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

BDL stands for Below Detectable Limit

S. Roy Chowdhury
Reviewed by

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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TC-15288

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

TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by	: M/s. Greenvision	U.L.R. No. : TC1528825000000231F
Report No.	: GV/NL/24-25/151	Sample Ref. ID : NLM-011-2025(13)
Name of Customer	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Report Date : 05.04.2025
Address of Customer	: Khatranga, Changual, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301.	Date of Sampling : 25.03.2025
Sample Description	: Noise Level	Total Time : 1 Hr.
Sampling Location	: Hot Mill - 2	Sampling Method : IS : 9989 :1981
Noise Level Limit	: 90 dB(A) [8 Hrs. Exposure] { Source : W.B. Factories Act, 1948}	
Monitoring Details	: Distance from Object : 3.0 Mtr. Height from the Ground : 1.5 Mtr.	
Category of Area	: Industrial Area	

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
58.2	64.6	62.7

S. Roy Chowdhury
Reviewed by

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

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

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TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by	: M/s. Greenvision	U.L.R. No. : TC1528825000000215F
Report No.	: GV/NL/23-24/139	Sample Ref. ID : NLM-011-2025(1)
Name of Customer	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Report Date : 05.04.2025
Address of Customer	: Khatranga, Changua, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301	Date of Sampling : 24.03.2025 to 25.03.2025
Sample Description	: Noise Level	Total Time : 24 Hrs.
Sampling Location	: Jethia Village	Sampling Method : IS : 9989 :1981

Time	Lmax dB (A)	Lmin dB (A)	Leq dB (A)
08:10 hrs. to 09:10 hrs.	54.0	47.2	51.8
09:10 hrs. to 10:10 hrs.	56.2	48.3	53.5
10:10 hrs. to 11:10 hrs.	52.2	46.4	50.5
11:10 hrs. to 12:10 hrs.	55.7	47.3	52.7
12:10 hrs. to 13:10 hrs.	51.4	43.2	48.2
13:10 hrs. to 14:10 hrs.	53.0	45.6	50.0
14:10 hrs. to 15:10 hrs.	52.4	44.0	49.3
15:10 hrs. to 16:10 hrs.	49.8	40.3	45.8
16:10 hrs. to 17:10 hrs.	45.2	38.1	42.5
17:10 hrs. to 18:10 hrs.	43.4	36.2	40.4
18:10 hrs. to 19:10 hrs.	41.7	34.3	38.7
19:10 hrs. to 20:10 hrs.	40.5	32.8	36.9
20:10 hrs. to 21:10 hrs.	43.2	37.7	40.6
21:10 hrs. to 22:10 hrs.	41.8	35.7	39.0
22:10 hrs. to 23:10 hrs.	39.2	32.4	36.2
23:10 hrs. to 00:10 hrs.	38.4	30.2	35.0
00:10 hrs. to 01:10 hrs.	40.0	32.3	36.7
01:10 hrs. to 02:10 hrs.	41.5	34.8	38.6
02:10 hrs. to 03:10 hrs.	42.0	35.2	39.1
03:10 hrs. to 04:10 hrs.	46.4	38.8	43.0
04:10 hrs. to 05:10 hrs.	47.5	40.3	44.5
05:10 hrs. to 06:10 hrs.	51.7	44.0	48.5
06:10 hrs. to 07:10 hrs.	50.6	42.1	47.5
07:10 hrs. to 08:10 hrs.	53.4	46.3	51.2

S. Roy Chowdhury

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. Roy Chowdhury

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

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TC-15288

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

TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by	: M/s. Greenvision	U.L.R. No. : TC1528825000000216F
Report No.	: GV/NL/23-24/140	Sample Ref. ID : NLM-011-2025(2)
Name of Customer	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Report Date : 05.04.2025
Address of Customer	: Khatranga, Changual, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301	Date of Sampling : 24.03.2025 to 25.03.2025
Sample Description	: Noise Level	Total Time : 24 Hrs.
Sampling Location	: Near Plant Main Gate	Sampling Method : IS : 9989 :1981

Time	L _{max} dB (A)	L _{min} dB (A)	Leq dB (A)
09:20 hrs. to 10:20 hrs.	52.3	45.8	50.2
10:20 hrs. to 11:20 hrs.	54.9	47.0	52.3
11:20 hrs. to 12:20 hrs.	53.4	46.7	51.1
12:20 hrs. to 13:20 hrs.	55.8	48.2	53.3
13:20 hrs. to 14:20 hrs.	52.2	46.8	50.7
14:20 hrs. to 15:20 hrs.	54.7	47.5	52.3
15:20 hrs. to 16:20 hrs.	53.5	47.0	51.0
16:20 hrs. to 17:20 hrs.	50.8	43.2	47.7
17:20 hrs. to 18:20 hrs.	48.7	41.3	45.6
18:20 hrs. to 19:20 hrs.	51.3	43.9	48.4
19:20 hrs. to 20:20 hrs.	47.2	40.4	44.5
20:20 hrs. to 21:20 hrs.	47.5	40.4	44.7
21:20 hrs. to 22:20 hrs.	51.4	43.0	48.4
22:20 hrs. to 23:20 hrs.	53.8	45.2	50.6
23:20 hrs. to 00:20 hrs.	48.6	41.7	45.7
00:20 hrs. to 01:20 hrs.	45.3	38.4	42.4
01:20 hrs. to 02:20 hrs.	44.1	37.2	41.2
02:20 hrs. to 03:20 hrs.	42.9	35.3	39.7
03:20 hrs. to 04:20 hrs.	40.6	32.2	37.0
04:20 hrs. to 05:20 hrs.	41.7	34.5	38.8
05:20 hrs. to 06:20 hrs.	43.8	35.6	40.5
06:20 hrs. to 07:20 hrs.	45.6	37.5	42.7
07:20 hrs. to 08:20 hrs.	50.2	42.9	47.8
08:20 hrs. to 09:20 hrs.	51.7	44.5	49.3

S. By Chowdhury
Reviewed by

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. By Chowdhury
(Sabyasachi Shyam Roy Chowdhury)

Quality Manager
Authorised Signatory
For, GREEN VISION

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TC-15288

TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by : M/s. Greenvision
Report No. : GV/NL/23-24/141
Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.
Address of Customer : Khatranga, Changual, Gopinathpur, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301
Sample Description : Noise Level
Sampling Location : Khatranga Village

U.L.R. No. : TC1528825000000217F
Sample Ref. ID : NLM-011-2025(3)
Report Date : 05.04.2025
Date of Sampling : 24.03.2025 to 25.03.2025
Total Time : 24 Hrs.
Sampling Method : IS : 9989 :1981

Time	Lmax dB (A)	Lmin dB (A)	Leq dB (A)
10:15 hrs. to 11:15 hrs.	50.3	43.1	48.0
11:15 hrs. to 12:15 hrs.	51.4	44.5	49.2
12:15 hrs. to 13:15 hrs.	52.8	46.0	50.7
13:15 hrs. to 14:15 hrs.	50.6	45.7	49.2
14:15 hrs. to 15:15 hrs.	50.3	42.4	47.4
15:15 hrs. to 16:15 hrs.	51.5	42.7	48.0
16:15 hrs. to 17:15 hrs.	49.2	41.8	46.3
17:15 hrs. to 18:15 hrs.	49.8	42.0	47.2
18:15 hrs. to 19:15 hrs.	51.0	43.4	48.5
19:15 hrs. to 20:15 hrs.	53.7	46.9	51.5
20:15 hrs. to 21:15 hrs.	54.5	48.2	52.6
21:15 hrs. to 22:15 hrs.	52.3	44.3	49.2
22:15 hrs. to 23:15 hrs.	49.4	42.8	46.9
23:15 hrs. to 00:15 hrs.	47.6	41.0	45.0
00:15 hrs. to 01:15 hrs.	44.8	38.3	42.2
01:15 hrs. to 02:15 hrs.	42.5	36.3	40.1
02:15 hrs. to 03:15 hrs.	40.0	32.4	36.7
03:15 hrs. to 04:15 hrs.	44.3	37.8	42.3
04:15 hrs. to 05:15 hrs.	47.6	41.5	45.9
05:15 hrs. to 06:15 hrs.	49.8	42.0	47.2
06:15 hrs. to 07:15 hrs.	43.7	35.4	40.3
07:15 hrs. to 08:15 hrs.	48.2	40.9	45.2
08:15 hrs. to 09:15 hrs.	50.3	42.7	47.5
09:15 hrs. to 10:15 hrs.	53.8	46.4	51.2

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

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

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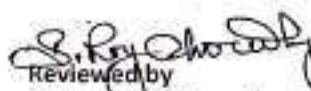
TC-15288

TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC1528825000000218F
Report No. : GV/NL/24-25/142 Sample Ref. ID : NLM-011-2025(4)
Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd. Report Date : 05.04.2025
Address of Customer : Khatranga, Changual, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301. Date of Sampling : 24.03.2025
Sample Description : Noise Level Total Time : 1 Hr.
Sampling Location : Seamless Pipe Area Sampling Method : IS : 9989 :1981
Noise Level Limit : 90 dB(A) [8 Hrs. Exposure] [Source : W.B. Factories Act, 1948]
Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.
Category of Area : Industrial Area

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
57.5	64.7	62.4


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


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

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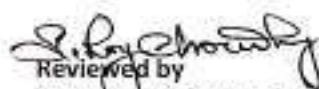
TC-15288

TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC152882500000220F
Report No. : GV/NL/24-25/144 Sample Ref. ID : NLM-011-2025(6)
Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd. Report Date : 05.04.2025
Address of Customer : Khatranga, Changua, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301. Date of Sampling : 24.03.2025
Sample Description : Noise Level Total Time : 1 Hr.
Sampling Location : Surface Treatment Plant Area Sampling Method : IS : 9989 :1981
Noise Level Limit : 90 dB(A) [8 Hrs. Exposure]
{ Source : W.B. Factories Act, 1948}
Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.
Category of Area : Industrial Area

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
57.9	63.3	61.8


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


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

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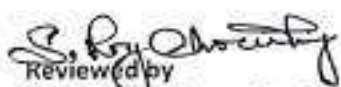
TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by : M/s. Greenvision
Report No. : GV/NL/24-25/145
Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.
Address of Customer : Khatranga, Changua, Gopinathpur, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301.
Sample Description : Noise Level
Sampling Location : Store Area
Noise Level Limit : 90 dB(A) [8 Hrs. Exposure]
{ Source : W.B. Factories Act, 1948}
Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.
Category of Area : Industrial Area

U.L.R. No. : TC152882500000221F
Sample Ref. ID : NLM-011-2025(7)
Report Date : 05.04.2025
Date of Sampling : 24.03.2025
Total Time : 1 Hr.
Sampling Method : IS : 9989 :1981

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
54.8	60.2	58.7


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


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

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GREEN VISION

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Recognized by West Bengal Pollution Control Board



TC-15288

Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

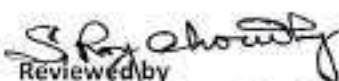
Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC1528825000000226F
Report No. : GV/NL/24-25/146 Sample Ref. ID : NLM-011-2025(8)
Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd. Report Date : 05.04.2025
Address of Customer : Khatranga, Changuai, Gopinathpur, Kharagpur, Date of Sampling : 25.03.2025
Dist. : Paschim Medinipur, Pin : 721301.
Sample Description : Noise Level Total Time : 1 Hr.
Sampling Location : Near Administrative Building Sampling Method : IS : 9989 :1981
Noise Level Limit : 90 dB(A) [8 Hrs. Exposure]
{ Source : W.B. Factories Act, 1948}
Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.
Category of Area : Industrial Area

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
59.6	65.0	64.2


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


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

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



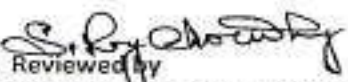
TC-15288

TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by	: M/s. Greenvision	U.L.R. No. : TC1528825000000227F
Report No.	: GV/NL/24-25/147	Sample Ref. ID : NLM-011-2025(9)
Name of Customer	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Report Date : 05.04.2025
Address of Customer	: Khatranga, Changua, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301.	Date of Sampling : 25.03.2025
Sample Description	: Noise Level	Total Time : 1 Hr.
Sampling Location	: Near Chemical Laboratory	Sampling Method : IS : 9989 :1981
Noise Level Limit	: 90 dB(A) [8 Hrs. Exposure] { Source : W.B. Factories Act, 1948}	
Monitoring Details	: Distance from Object : 3.0 Mtr. Height from the Ground : 1.5 Mtr.	
Category of Area	: Industrial Area	

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
55.0	61.7	59.5


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


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

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TC-15288

TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by	: M/s. Greenvision	U.L.R. No. : TC1528825000000229F
Report No.	: GV/NL/24-25/149	Sample Ref. ID : NLM-011-2025(11)
Name of Customer	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Report Date : 05.04.2025
Address of Customer	: Khatranga, Changuai, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301.	Date of Sampling : 25.03.2025
Sample Description	: Noise Level	Total Time : 1 Hr.
Sampling Location	: Pilgar Production Area	Sampling Method : IS : 9989 :1981
Noise Level Limit	: 90 dB(A) [8 Hrs. Exposure] { Source : W.B. Factories Act, 1948 }	
Monitoring Details	: Distance from Object : 3.0 Mtr. Height from the Ground : 1.5 Mtr.	
Category of Area	: Industrial Area	

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
56.4	62.8	60.8

Sabyasachi Shyam Roy Chowdhury

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

Sabyasachi Shyam Roy Chowdhury

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

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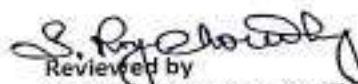


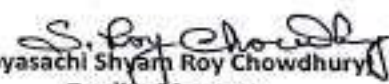
TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by	: M/s. Greenvision	U.L.R. No. : TC152882500000228F
Report No.	: GV/NL/24-25/148	Sample Ref. ID : NLM-011-2025(10)
Name of Customer	: M/s. Rashmi Green Hydrogen Steel Pvt. Ltd.	Report Date : 05.04.2025
Address of Customer	: Khatranga, Changual, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301.	Date of Sampling : 25.03.2025
Sample Description	: Noise Level	Total Time : 1 Hr.
Sampling Location	: Finish Product Area	Sampling Method : IS : 9989 :1981
Noise Level Limit	: 90 dB(A) [8 Hrs. Exposure] { Source : W.B. Factories Act, 1948 }	
Monitoring Details	: Distance from Object : 3.0 Mtr. Height from the Ground : 1.5 Mtr.	
Category of Area	: Industrial Area	

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
59.6	64.2	63.2


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


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

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

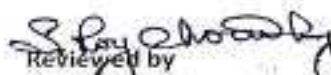


TEST REPORT OF NOISE LEVEL MONITORING

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

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC1528825000000230F
Report No. : GV/NL/24-25/150 Sample Ref. ID : NLM-011-2025(12)
Name of Customer : M/s. Rashmi Green Hydrogen Steel Pvt. Ltd. Report Date : 05.04.2025
Address of Customer : Khatranga, Changual, Gopinathpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301. Date of Sampling : 25.03.2025
Sample Description : Noise Level Total Time : 1 Hr.
Sampling Location : Hot Mill - 1 Sampling Method : IS : 9989 :1981
Noise Level Limit : 90 dB(A) [8 Hrs. Exposure]
{ Source : W.B. Factories Act, 1948}
Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.
Category of Area : Industrial Area

Noise Level dB (A)		
L _{min}	L _{max}	L _{eq}
58.5	64.3	62.7


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


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

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
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 Name ABHISHEK JHA Age 29 Gender M Date 28/03/25
General Examination : No AbnormalityMedical History : Blood Group : 101 POSITIVEHemogram : 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
	150/80	74	99	98.6

Advice :

AFTER EXAMINATION & REVIEW OF REPORTS, I AM OF OPINION

Mr./Mrs. ABHISHEK JHA

IS FIT / UN-FIT FOR DUTY.

Dr. ABHISHEK DAS

MBBS

11WBUNS79634

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
 IP/OP 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



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 BHATTACHARYYA
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 :

dv (PSE)

H/U :

REV 6/6(P)

LEV 6/9(P)

Systemic Disease :

Colour Vision :

Normal

R CMC ed
0000
(PSE) 4rimb + 4Ww

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			14/6	P			14/6

Remarks :

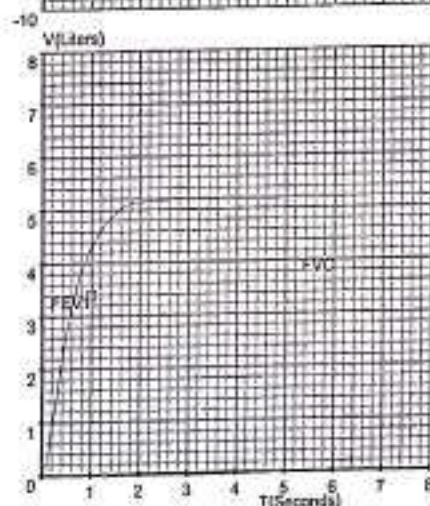
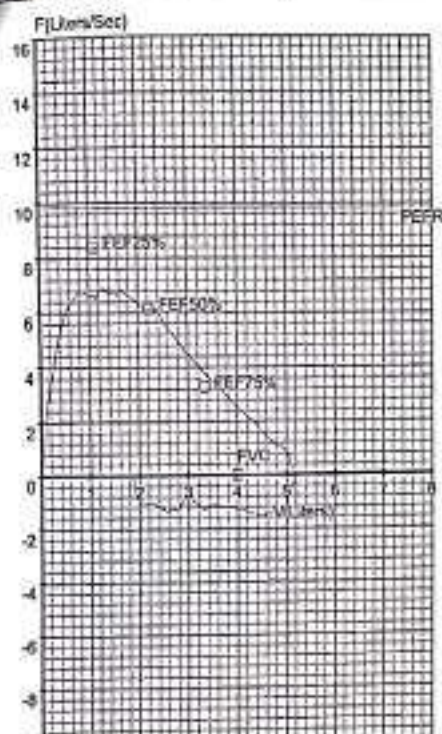
APOLLO DIAGNOSTICS

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

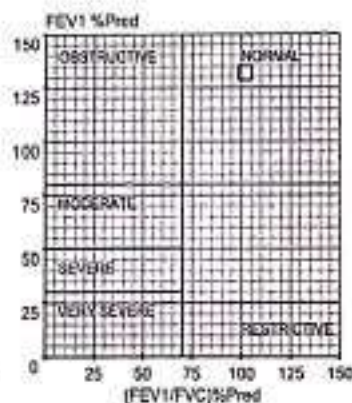
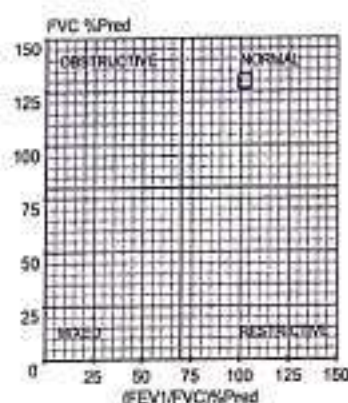


Pre Medication Report :
Spirometry within Normal range as FVC% >= 80 And
FEV1/FVC% > 70

Pre COPD Severity Report:
COPD Severity within Normal range

Doctor's Comments :

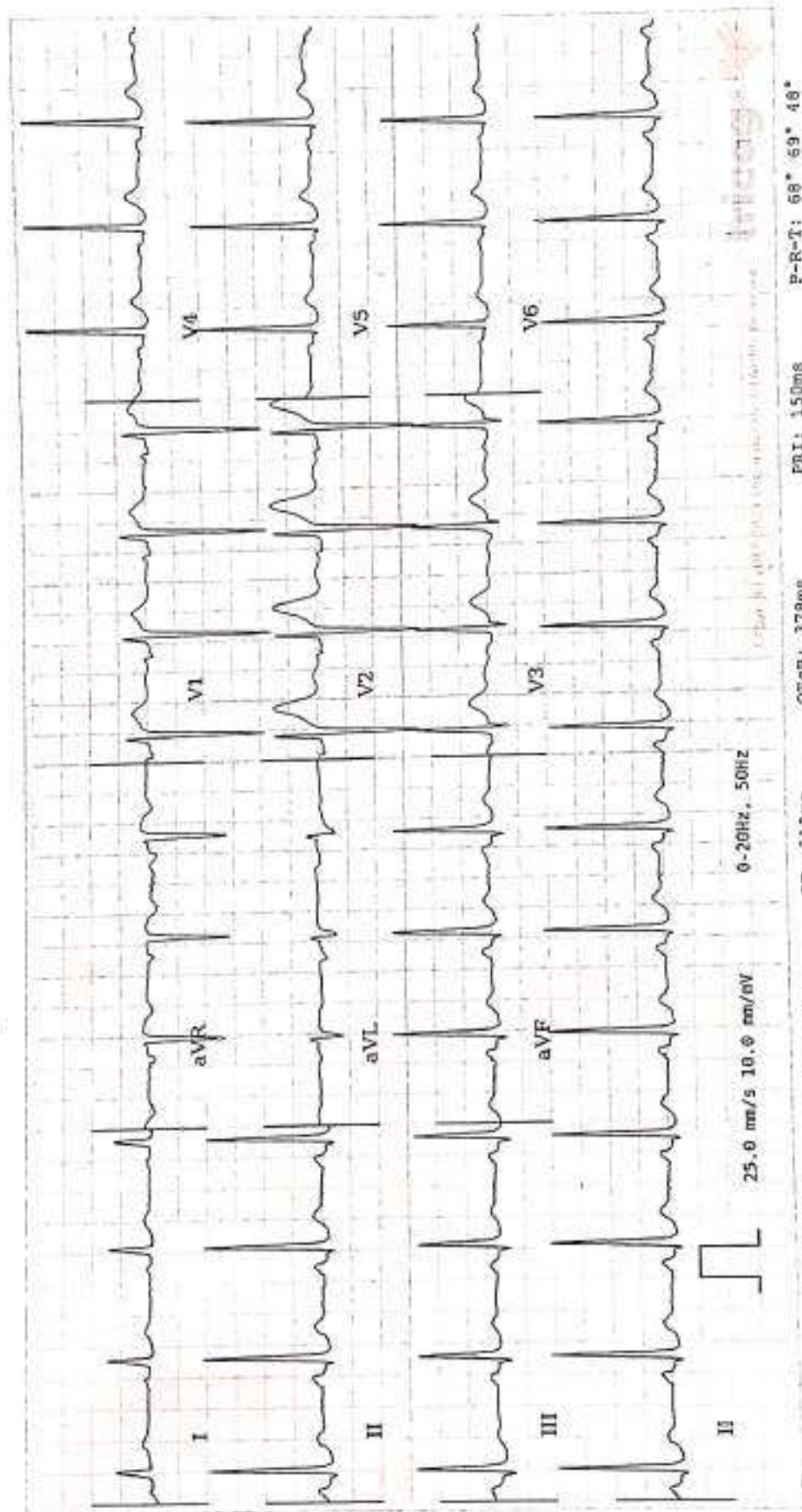
Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	4.00	5.19	130	-	-
FEV1	[L]	3.38	4.47	132	-	-
FEV.5	[L]	-	3.13	-	-	-
FEV3	[L]	3.88	4.47	115	-	-
FEV6	[L]	-	-	-	-	-
PEFR	[L/s]	9.80	6.94	71	-	-
FEF25-75	[L/s]	4.59	5.28	115	-	-
FEF75-85	[L/s]	-	2.36	-	-	-
FEF 2-1.2	[L/s]	8.05	5.91	73	-	-
FEF25%	[L/s]	8.38	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	-	-	-
FIV.5	[L]	-	0.08	-	-	-
FIV1	[L]	-	0.78	-	-	-
FIV3	[L]	-	3.05	-	-	-
FIV.5/FVC	[%]	-	2.33	-	-	-
FIV1/FVC	[%]	-	23.37	-	-	-
FIV3/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



AR: 90bpm

VR: 49:pm

ORCID: 9

ORSD: 99ms

QT: 310ms

10

Summary

0-00000

100

REPORTED BY

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.

the α and β relaxation times and must be interpreted by a qualified physicist.

Dr. Trojau Fructuosa Iala



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-79994

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	Collected	: 21/Mar/2025 09:00PM
Age/Gender	: 50 Y 0 M 0 D /M	Received	: 22/Mar/2025 04:56PM
UHID/MR No.	: DKRR.0000037109	Reported	: 22/Mar/2025 10:36PM
Visit ID	: DKRR0PV51445	Status	: Final Report
Ref Doctor	: Dr.SELF	Client Name	: PCC KHARAGPUR KOLKATA
IP/OP NO	:	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 3-4mlhs), 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 3 of 5

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

SIN No: HIA08674999



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
IPYOP 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

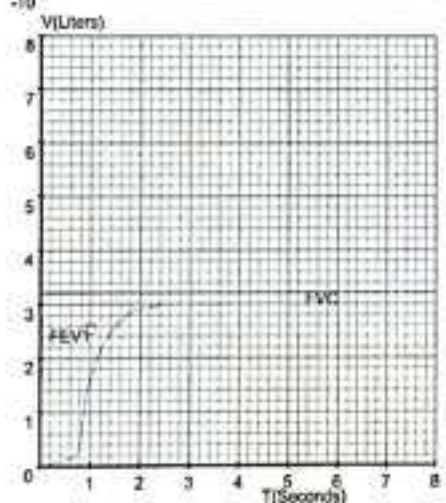
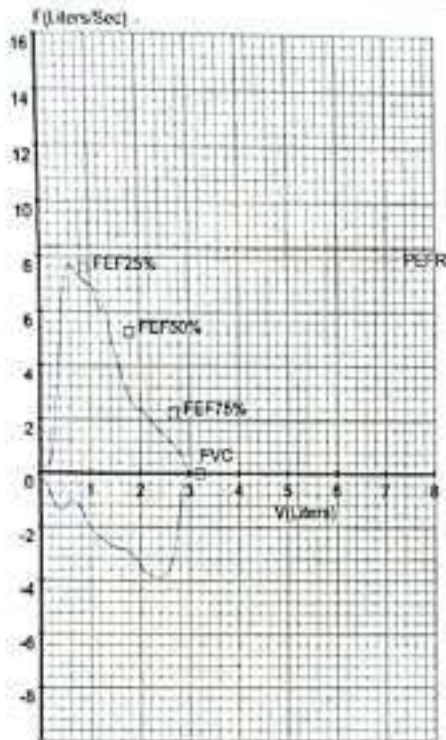
Date: 21-03-2025 (T1)

Pred Eqn : CLARITY

Eth.Corr : 100

Temp : 0°C

Ref By : NONE



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	--	--
FEV1/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	[%]	--	--	--	--	--

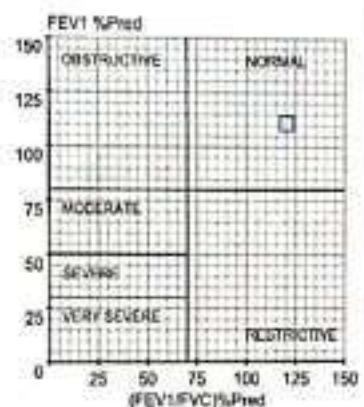
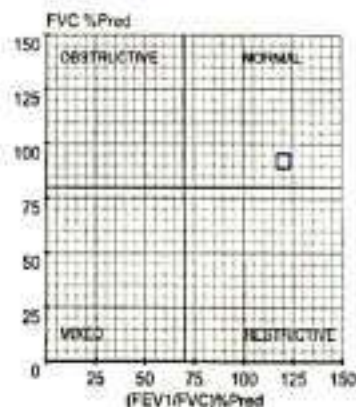
Pre Medication Report :

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

Pre COPD Severity Report:

COPD Severity within Normal range

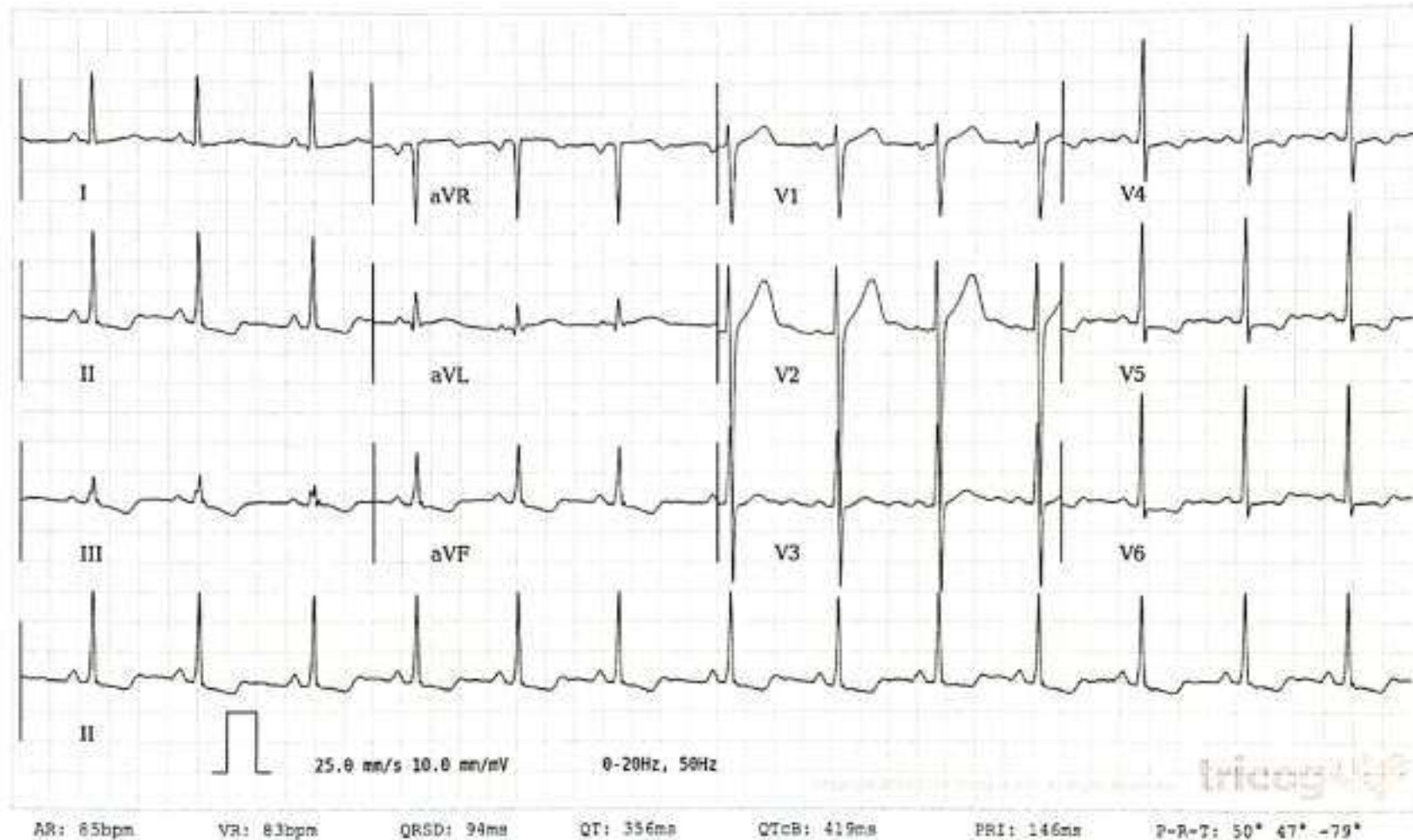
Doctor's Comments :



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	V/A	DSPH	DCPL	AXIS	V/A
Distance (DV)	P			6/6	P			6/6
Near Add (NV)	+2.00			14/6	+2.00			12/6

Remarks :



MEDI TECH

Advanced Diagnostic Service.

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, Amecpet, Hyderabad-500016, Telangana

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

www.apolلودiagnostics.in



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Patient Name : Mr.SYED NABIL
Age/Gender : 27 Y 0 M 0 D /M
UHID/MR No : DKRR.0000037092
Visit ID : DKRROPV51428
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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

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

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Patient Name : Mr.SYED NABIL
Age/Gender : 27 Y 0 M 0 D /M
UHID/MR No : DKRR.0000037092
Visit ID : DKRROPV51428
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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

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www.apollodiagnostics.in



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Patient Name : Mr.SYED NABIL
Age/Gender : 27 Y O M O D /M
UHID/MR No : DKRR.0000037092
Visit ID : DKRROPV51428
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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)
Consultant Pathologist

STN No: BL24847356

Apollo Health and Lifestyle Limited
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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			146	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

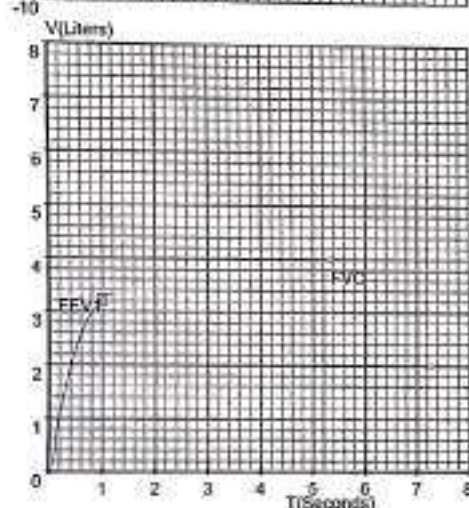
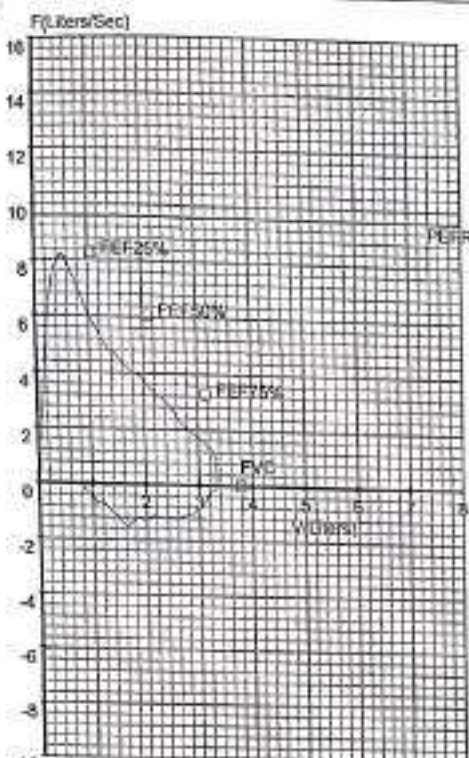
Date: 21-03-2025 (T1)

Pred Eqn : CLARITY

Eth.Corr : 100

Temp : 0°C

Ref By : NONE



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/FVC	[%] --	3.13	--	--	--	--
FIV1/FVC	[%] --	5.01	--	--	--	--
FIV3/FVC	[%] --	82.70	--	--	--	--

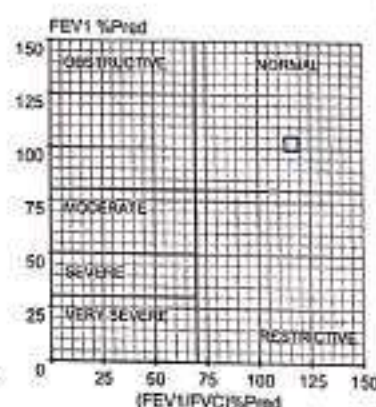
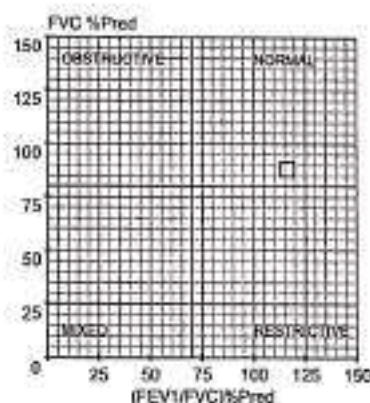
- Pre Medication Report :

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

- Pre COPD Severity Report:

COPD Severity within Normal range

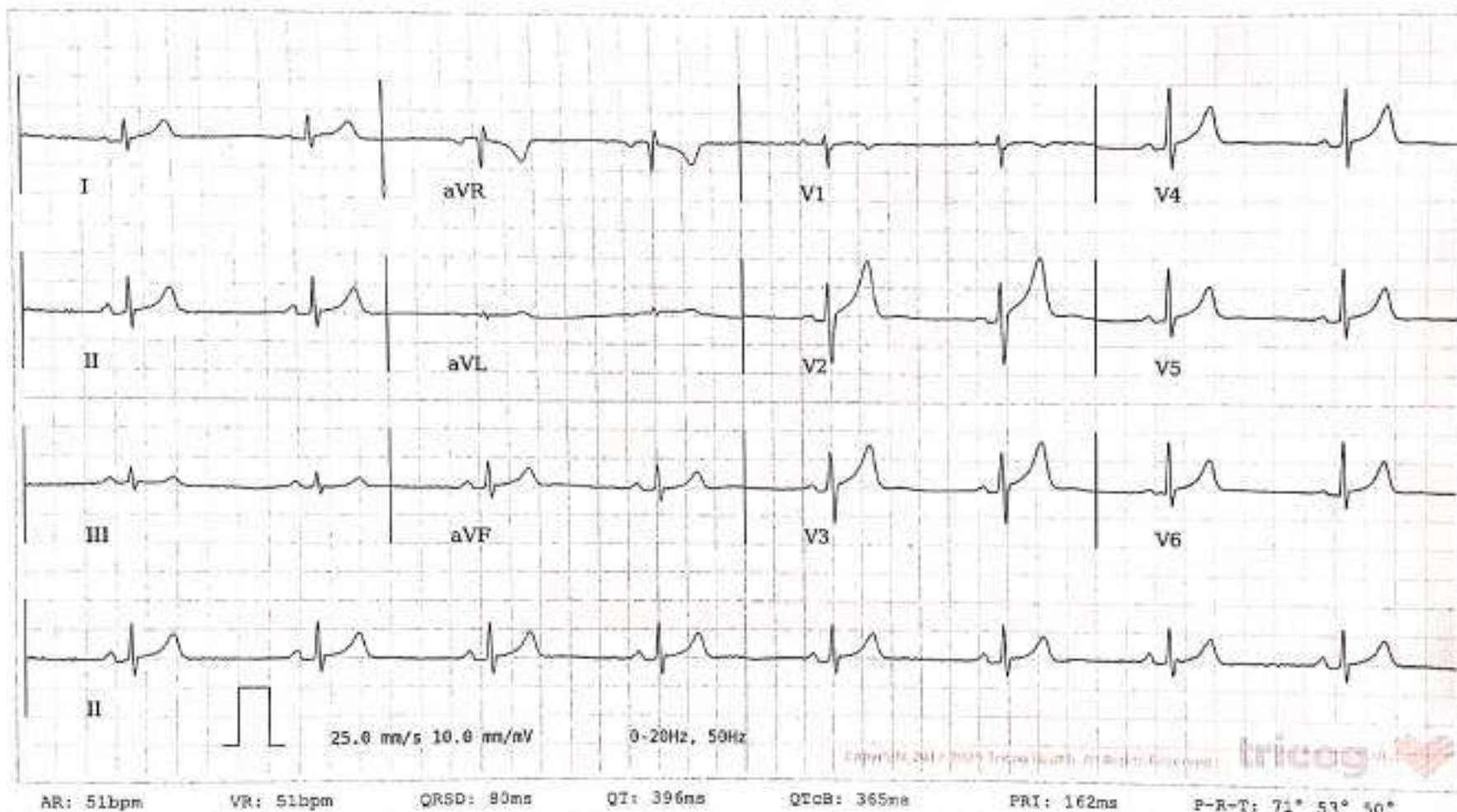
- Doctor's Comments :



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

158
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)

Corporate Office: T-1-B17/A, 7th Floor, Imperial Towers, Annaspet, Hyderabad-500016, Telangana

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 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 04:33PM
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 :

dv (PE)

H/U :

REV 6/24

LEV 6/24

Systemic Disease :

Colour Vision :

Normal

R CMC ed
0000
(PE) 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)	<u>-1.25</u>			<u>6/6</u>	<u>-1.25</u>			<u>6/6</u>
Near Add (NV)	<u>P</u>			<u>12/6</u>	<u>P</u>			<u>12/6</u>

Remarks : _____



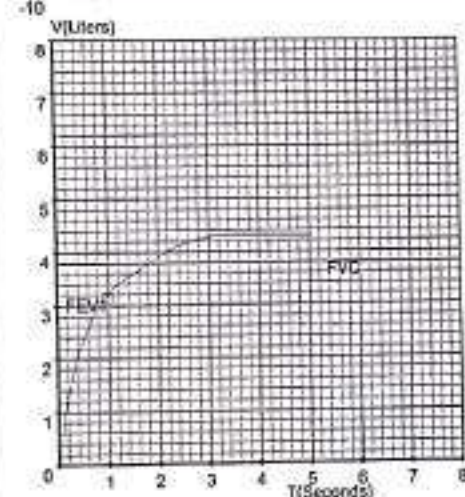
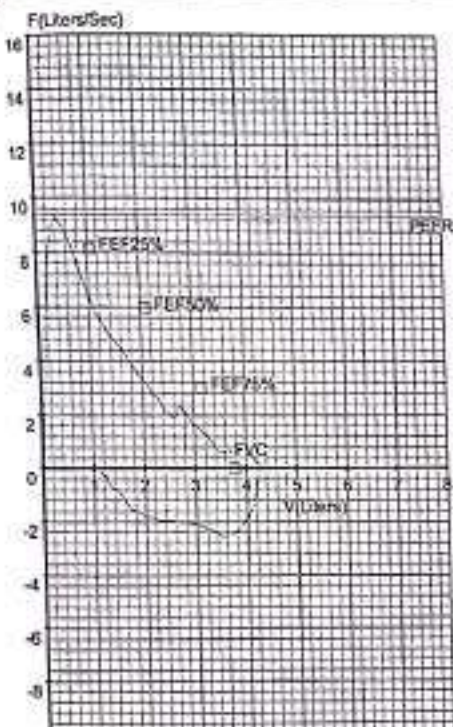
APOLLO DIAGNOSTICS

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

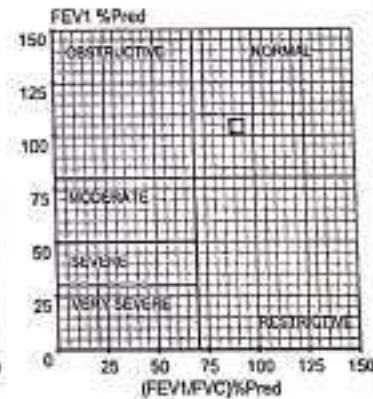
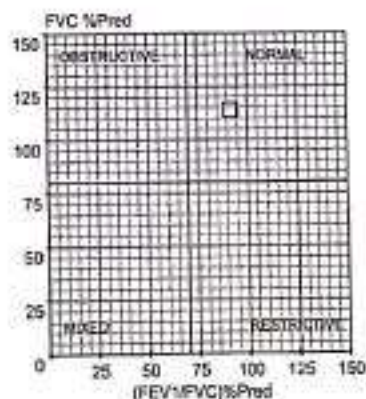


- Pre Medication Report :
Spirometry within Normal range as FVC% \geq 80 And
FEV1/FVC% \geq 70

- Pre COPD Severity Report:
COPD Severity within Normal range

- Doctor's Comments :

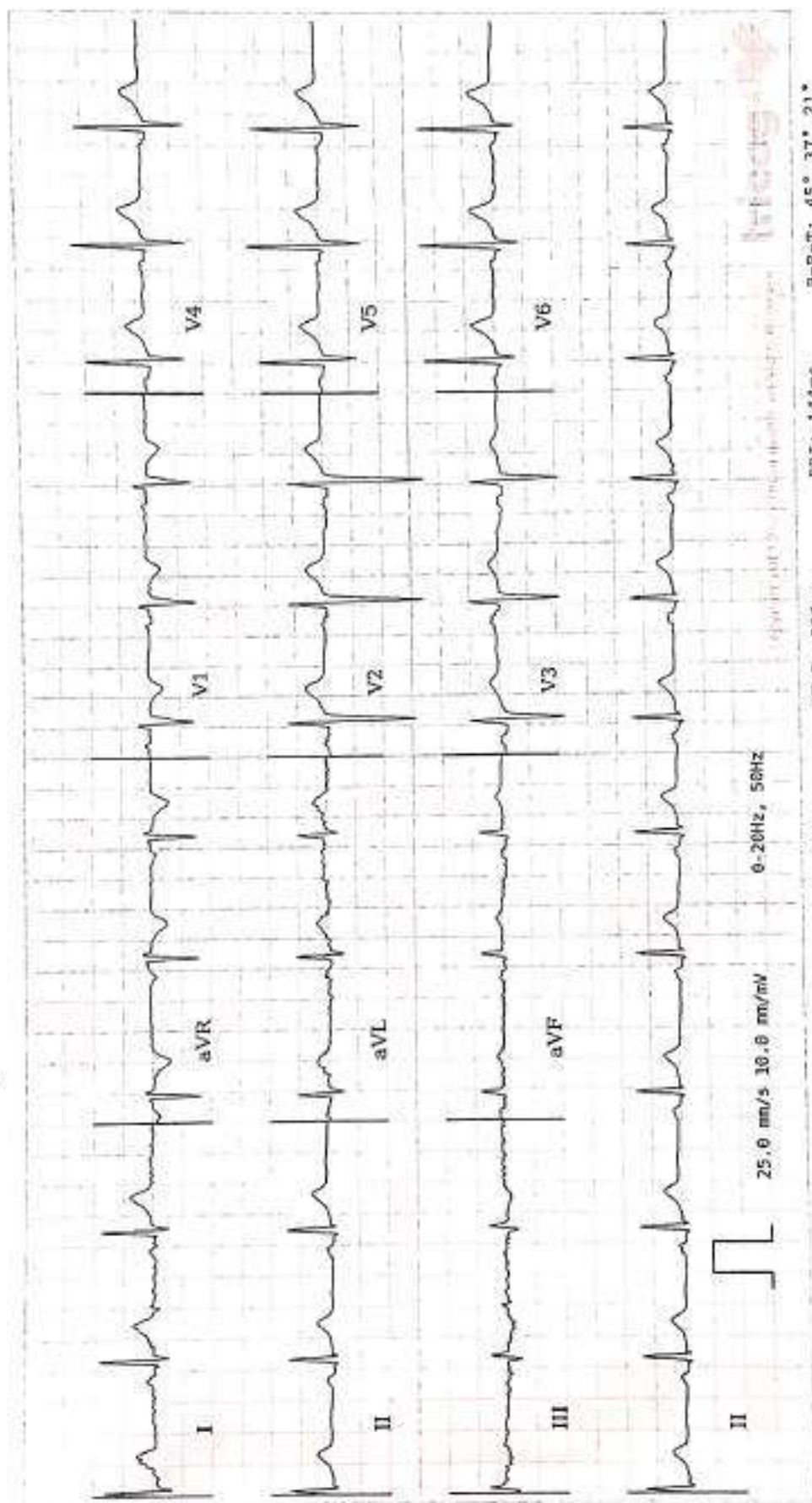
Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.77	4.30	114	--	--
FEV1	[L]	3.14	3.27	104	--	--
FEV5	[L]	--	2.41	--	--	--
FEV3	[L]	3.68	4.28	117	--	--
FEV6	[L]	--	--	--	--	--
PEFR	[L/s]	9.38	9.26	99	--	--
FEF25-75	[L/s]	4.26	3.37	79	--	--
FEF75-85	[L/s]	--	0.88	--	--	--
FEF2-1.2	[L/s]	7.49	7.42	99	--	--
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
Patient ID: 9925196269
Patient Name: Singh rahul suresh

Date and Time: 21st Mar 25 3:11 PM



AR: 76bpm VR: 74bpm QRS: 88ms QT: 354ms QTcB: 393ms PRI: 144ms P-R-T: 45° 37° 21°

REPORTED BY

Suresh
Dr. Suresh B.

ECG Within Normal Limits: Sinus Rhythm. q in lead III. 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 invasive and non-invasive tests 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

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



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Patient Name : Mr. JAGANNATH SAHOO
Age/Gender : 34 Y 0 M 0 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:BI24847358

Apollo Health and Lifestyle Limited

(CIN - U85110TG2000PLC115819)

Corporate Office: 7-1-517/A, 7th Floor, Imperial Towers, Amberpet, Hyderabad-500016, Telangana

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

www.apolلودiagnostics.in



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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 Bhatta

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

SIN No:BJ2094T158

Page 4 of 4




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

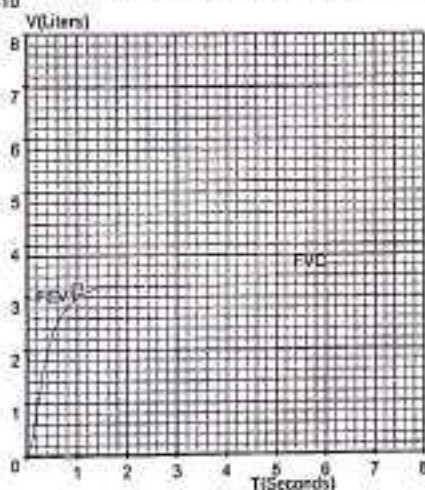
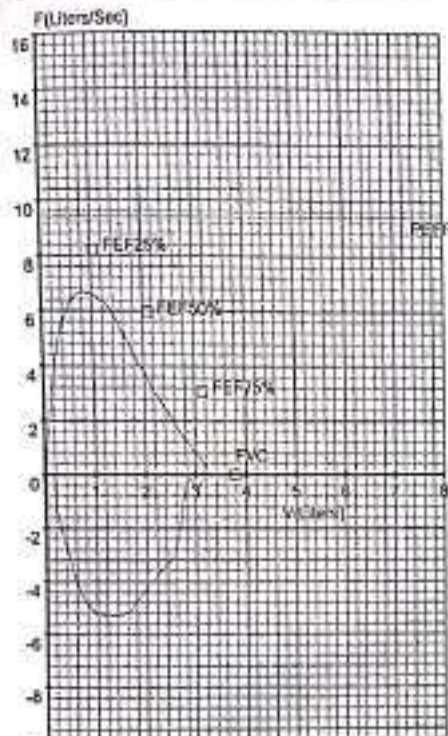
Date: 21-03-2025 (T1)

Pred Egn.: CLARITY

Eth. Corr.: 100

Temp.: 0°C

Ref By: NONE

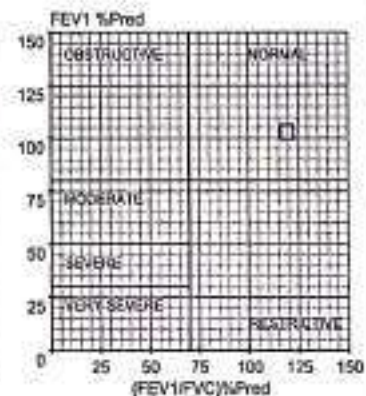
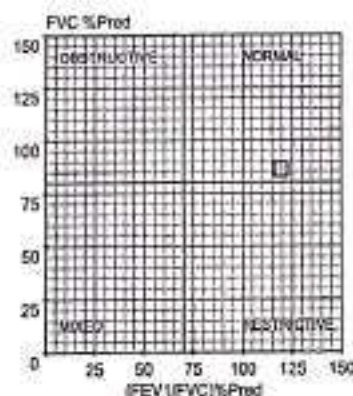


- Pre Medication Report:
Spirometry within Normal range as FVC% \geq 80 And
FEV1/FVC% $>$ 70

- Pre COPD Severity Report:
COPD Severity within Normal range

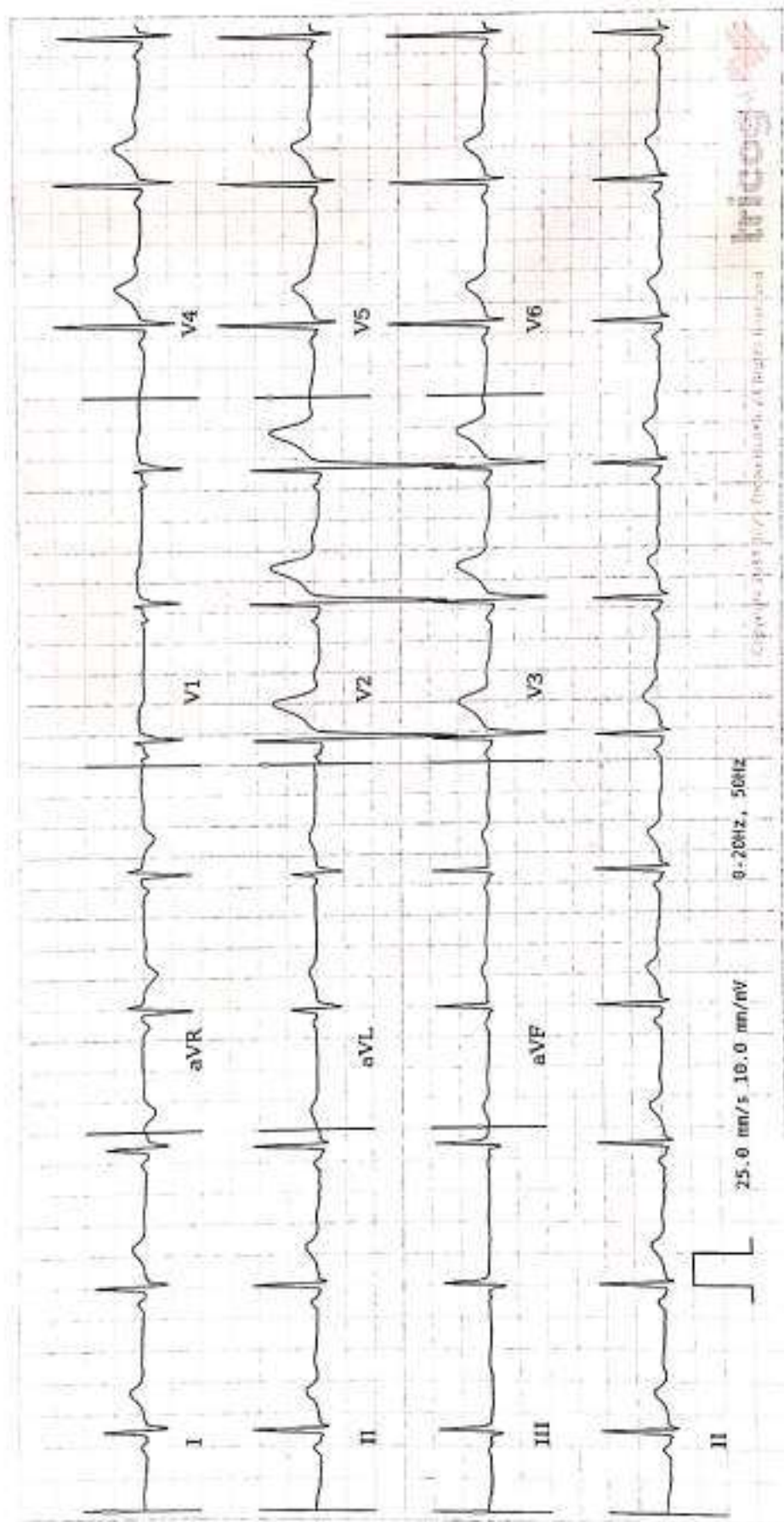
- Doctor's Comments :

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 :

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

H/U :

REV 6/6

LEV 6/6

Systemic Disease :

Colour Vision :

Normal

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)	P			12/6	P			12/6

Remarks :