

पत्रांक :- 562(SLWT/2024-25) 001 दिनांक:- 18/2/2025

प्रेषक,

Technical Manager
राज्य स्तरीय जल जाँच प्रयोगशाला,
पेय जल एवं स्वच्छता विभाग, राँची, झारखण्ड।

सेवा में,

ST. John's School,
Karbala Tank Road, Ranchi-834001.

विषय:- जल जाँच के संबंध में।

प्रसंग:- पत्रांक -Ref.SJE/01/DWSD/2025,

दिनांक -06/02/2025

महाशय,

उपरोक्त विषय एवं प्रासंगिक पत्र के संदर्भ में कहना है कि दिनांक - 06/02/2025 को आपके द्वारा दिया गया जल नमूनों का रासायनिक एवं जैविक जाँच समपन्न कर जल जाँच प्रतिवेदन आपको समर्पित किया जा रहा है।

अनुलग्नक :- 03 अदद।


विश्वासभाजन

18/2/2025

Technical Manager

राज्य स्तरीय जल जाँच प्रयोगशाला, राँची।

State Level Water Testing Laboratory, Ranchi, Jharkhand

	TEST ANALYSIS REPORT	Doc No.: SLWTL-QP-4-F31 Issue No.: 01 Revision No.: 01 Date :18.02.2022	
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Issued to : - ST. John's School, Karbala Tank Road, Ranchi-834001. Sample No. :- 01- Boring Water.	Sample Code: - 250206-GW-A-003 Date of Issue: - 18/02/2025 Customer Reference No. : - SLR/CLR/FEBRUARY -25/011
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Sample Particulars	Details of Sampling
Sample Name/Description: - Ground Water. Sample Quantity: -1 Lit Sample pkg. Condition: - Good	Date of sampling : - N/A Sample Received date: - 06/02/2025 Sample collected by: - Customer Sampling Location: - Final Outlet

Discipline: Chemical

Test started on: -	06/02/2025	Test completed on :-	17/02/2025
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Sl. No.	Test Parameter	Unit	Results	Method	Specification as per BIS – 10500:2012 (Second Revision) Amendment – June 2015	
					Acceptable Limit	Permissible Limit (In Absence of Alternate source)
1	pH	-	6.13	APHA 24 th Ed.2023-4500-H ⁺ B, (Electrometric method)	6.5 – 8.5	No relaxation
2	Total Dissolved Solids at 180 ^o C	mg/L max	486	APHA 24 th Ed.2023-2540 C, (Total Dissolved Solids Dried at 180 ^o C)	500	2000
3	Turbidity	NTU max	1.1	APHA 24 th Ed.2023-2130 B, (Nephelometric method)	1	5
4	Odour	-	Agreeable	IS 3025 (Part-5):2018	Agreeable	Agreeable
5	Taste	-	Agreeable	IS 3025 (Part-7):2017	Agreeable	Agreeable
6	Colour	Hazen unit	5	APHA 24 th Ed.2023-2120 B, (Visual Comparison method)	5	15
7	Total Alkalinity as CaCO ₃	mg/L max	180	APHA 24 th Ed.2023-2320 B, (Titration method)	200	600
8	Total Hardness as CaCO ₃	mg/L max	264	APHA 24 th Ed.2023-2340 C, (EDTA Titration method)	200	600
9	Calcium as Ca	mg/L max	35.2	APHA 24 th Ed.2023-3500 Ca B, (EDTA Titration method)	75	200
10	Magnesium as Mg	mg/L max	42.76	APHA 24 th Ed.2023-3500-Mg B, (Calculation method)	30	100
11	Chloride as Cl	mg/L max	111.96	APHA 24 th Ed.2023-4500 Cl ⁻ B, (Argentometric method)	250	1000
12	Fluoride as F	mg/L max	0.13	APHA 24 th Ed.2023-4500 F ⁻ C, (Ion selective electrode method)	1.0	1.50
13	Nitrate as NO ₃	mg/L max	42.73	APHA 24 th Ed.2023-4500 NO ₃ ⁻ B, (Ultraviolet spectrophotometric screening method)	45	No relaxation
14	Iron as Fe	mg/L max	0.21	APHA 24 th Ed.2023-3500 Fe B, (1,10-phenanthroline method)	1.0	No relaxation

Remarks:- The submitted sample of water confirm to IS – 10500 with respect to above test except one parameter pH.

Specific contractual notes: -


- ◆ The results listed refer only to the tested sample and applicable parameter.
- ◆ This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- ◆ This report can not be reproduced, except when in full, without the written permission of the Lab In-charge
- ◆ Tested Sample shall be retained up to Fifteen Days from the date of issue of the certificate.
- ◆ The liability of the laboratory is limited to the invoiced amount.
- ◆ All disputes are subjected to the Ranchi Jurisdiction.
- ◆ NOTE:-BDL=Below Detection Limit.

Authorised Signatory
(Technical Manager)

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

Technical Manager
State Level Water Testing Laboratory
D.W. & S. Dent

State Level Water Testing Laboratory, Ranchi, Jharkhand

	TEST ANALYSIS REPORT	Doc No.: SLWTL-QP-4-F31 Issue No.: 01 Revision No.: 01 Date :18.02.2022	
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Issued to : - ST. John's School, Karbala Tank Road, Ranchi-834001. Sample No. :- 01- Boring Water.	Sample Code: - 250206-GW-A-003 Date of Issue: - 18/02/2025 Customer Reference No. : - SLR/CLR/FEBRUARY -25/011
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Sample Particulars	Details of Sampling
Sample Name/Description: - Ground Water Sample Quantity: -1 Lit Sample pkg. Condition: - Good	Date of sampling : - N/A Sample Received date: - 06/02/2025 Sample collected by: - Customer Sampling Location: - Final Outlet

Discipline: Chemical - Residues in Water

Test started on: -		06/02/2025		Test completed on :-		17/02/2025	
Sl. No.	Test Parameter	Unit	Results	Method	Specification as per BIS – 10500:2012 (Second Revision)		
					Amendment – June 2015		
					Acceptable Limit	Permissible Limit (In Absence of Alternate source)	
01	Arsenic as As	µg/L max	BDL	IS 3025(part-2):2019	10	No relaxation	

Remarks:- The submitted sample of water confirm to IS – 10500 with respect to above test.

Specific contractual notes: -


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- ◆ This report can not be reproduced, except when in full, without the written permission of the Lab In-charge
- ◆ Tested Sample shall be retained up to Fifteen Days from the date of issue of the certificate.
- ◆ The liability of the laboratory is limited to the invoiced amount.
- ◆ All disputes are subjected to the Ranchi Jurisdiction.
- ◆ **NOTE:-**BDL=Below Detection Limit.


Authorised Signatory
(Technical Manager)

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

Technical Manager
State Level Water Testing Laboratory
D.W. & S. Deptt., Hino, Ranchi

State Level Water Testing Laboratory, Ranchi, Jharkhand

	<p align="center">TEST ANALYSIS REPORT</p>	<p>Doc No.: SLWTL-QP-4-F31 Issue No.: 01 Revision No.: 01 Date : 18.02.2022</p>	
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<p>Issued to : - ST. John's School, Karbala Tank Road, Ranchi-834001.</p> <p>Sample No. :- 01- Boring Water.</p>	<p>Sample Code: - 250206-GW-A-003 Date of Issue: - 18/02/2025 Customer Reference No. : - SLR/CLR/FEBRUARY -25/011</p>
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Sample Particulars	Details of Sampling
<p>Sample Name/Description: - Ground Water.</p> <p>Sample Quantity: - 500 ml</p> <p>Sample pkg. Condition: - Good.</p>	<p>Date of sampling : -N/A</p> <p>Sample Received date: - 06/02/2025</p> <p>Sample collected by: - Customer</p> <p>Sampling Location: - Final Outlet</p>

Discipline: Biological

Test started on: -		06/02/2025	Test completed on :-		07/02/2025
Sl. No.	Test Parameter	Unit	Results	Method	Specification as per BIS – 10500:2012 (Second Revision) Amendment – June 2015
					Acceptable Limit
1	Total Coliform	CFU/100mL	<u>12</u>	APHA 24 th . Ed.2023-9222 B (Membrane Filter Technique)	Shall not be detectable in any 100 mL sample
2	Thermotolerant (Fecal) Coliform	CFU/100mL	<1	APHA 24 th . Ed.2023-9222 D (Membrane Filter Technique)	Shall not be detectable in any 100 mL sample

Remarks: - The submitted sample of water confirm to IS – 10500 with respect to above test except one parameter Total Coliform.
Specific contractual notes: -

- ◆ The results listed refer only to the tested sample and applicable parameter.
- ◆ This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- ◆ This report cannot be reproduced, except when in full, without the written permission of the Section- In-charge.
- ◆ Tested sample shall be retained up to seven days from the date of issue of the certificate.
- ◆ The liability of the laboratory is limited to the invoiced amount.
- ◆ All disputes are subjected to the Ranchi Jurisdiction.
- ◆ Customer asked for above test only.
- ◆ <1 indicates the absence of bacteria.
- ◆ NOTE: - TNTC = Too Numerous To Count.


 Authorised Signatory
 (Arti Kumari)

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

State Level Water Testing Laboratory
Jharkhand, Ranchi