

पत्रांक :- 634 (SLWTL/2024-25) 001 दिनांक:- 25/3/2025

प्रेषक,

Technical Manager

राज्य स्तरीय जल जाँच प्रयोगशाला,

पेय जल एवं स्वच्छता विभाग, राँची, झारखण्ड।

Drinking

सेवा में,

YBN Gurukulam School,

Opposite Jagriti Vihar, Mccluskieganj,

P.O. + PS.- Mccluskieganj, Ranchi-829208, Jharkhand.

विषय:- जल जाँच के संबंध में।

प्रसंग:- पत्रांक -Ref.- 00/2025

दिनांक -12/03/2025

महाशय,

उपरोक्त विषय एवं प्रासंगिक पत्र के संदर्भ में कहना है कि दिनांक - 12/03/2025 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

25/3/2025

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

**Issued to:** -YBN Gurukulam School,  
Opposite Jagriti Vihar, Mccluskieganj,  
P.O.+PS.- Mccluskieganj, Ranchi-829208, Jharkhand

**Sample Code:** - 250312-SW-A-002

**Date of Issue:** - 25/03/2025

**Customer Reference No. :** - SLR/CLR/MARCH -25/034

**Sample No.:-** 01- Deep Boring.

### Sample Particulars

**Sample Name/Description:** - Ground Water.

**Sample Quantity:** -1 Lit

**Sample pkg. Condition:** - Good

### Details of Sampling

**Date of sampling :** - N/A

**Sample Received date:** - 12/03/2025

**Sample collected by:** - Customer

**Sampling Location:** - Final Outlet

**Discipline:** Chemical

**Test started on:** - 12/03/2025

**Test completed on :-**

24/03/2025

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)
1	pH	-	6.53	APHA 24 <sup>th</sup> Ed.2023-4500-H <sup>+</sup> B, (Electrometric method)	6.5 – 8.5	No relaxation
2	Total Dissolved Solids at 180 <sup>o</sup> C	mg/L max	234	APHA 24 <sup>th</sup> Ed.2023-2540 C, (Total Dissolved Solids Dried at 180 <sup>o</sup> C)	500	2000
3	Turbidity	NTU max	0.1	APHA 24 <sup>th</sup> 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 <sup>th</sup> Ed.2023-2120 B, (Visual Comparison method)	5	15
7	Total Alkalinity as CaCO <sub>3</sub>	mg/L max	100	APHA 24 <sup>th</sup> Ed.2023-2320 B, (Titration method)	200	600
8	Total Hardness as CaCO <sub>3</sub>	mg/L max	164	APHA 24 <sup>th</sup> Ed.2023-2340 C, (EDTA Titration method)	200	600
9	Calcium as Ca	mg/L max	51.2	APHA 24 <sup>th</sup> Ed.2023-3500 Ca B, (EDTA Titration method)	75	200
10	Magnesium as Mg	mg/L max	8.74	APHA 24 <sup>th</sup> Ed.2023-3500-Mg B, (Calculation method)	30	100
11	Chloride as Cl	mg/L max	65.96	APHA 24 <sup>th</sup> Ed.2023-4500 Cl <sup>-</sup> B, (Argentometric method)	250	1000
12	Fluoride as F	mg/L max	0.40	APHA 24 <sup>th</sup> Ed.2023-4500 F <sup>-</sup> C, (Ion selective electrode method)	1.0	1.50
13	Nitrate as NO <sub>3</sub>	mg/L max	10.72	APHA 24 <sup>th</sup> Ed.2023-4500 NO <sub>3</sub> <sup>-</sup> B, (Ultraviolet spectrophotometric screening method)	45	No relaxation
14	Iron as Fe	mg/L max	0.05	APHA 24 <sup>th</sup> 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.  
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-----  
State Level Water Testing Laboratory  
D.W. & S. Deptt., Hinoo, Ranchi

# 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

**Issued to:** -YBN Gurukulam School,  
Opposite Jagriti Vihar, Mccluskieganj,  
P.O.+PS.- Mccluskieganj, Ranchi-829208, Jharkhand

**Sample Code:** - 250312-SW-A-002

**Date of Issue:** - 25/03/2025

**Customer Reference No. :** - SLR/CLR/MARCH -25/034

**Sample No.:-** 01- Deep Boring.

### Sample Particulars

**Sample Name/Description:** - Ground Water

**Sample Quantity:** -1 Lit

**Sample pkg. Condition:** - Good

### Details of Sampling

**Date of sampling :** - N/A

**Sample Received date:** - 12/03/2025

**Sample collected by:** - Customer

**Sampling Location:** - Final Outlet

**Discipline:** Chemical - Residues in Water

**Test started on:** - 12/03/2025

**Test completed on :-**

24/03/2025

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:** -

- ◆ 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. Deptt., Hinoo, Ranchi



# 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	

<b>Issued to:</b> -YBN Gurukulam School, Opposite Jagriti Vihar, Mccluskieganj, P.O.+PS.- Mccluskieganj, Ranchi-829208, Jharkhand  <b>Sample No.:-</b> 01- Deep Boring.	<b>Sample Code:</b> - 250312-SW-A-002 <b>Date of Issue:</b> - 25/03/2025 <b>Customer Reference No. :</b> - SLR/CLR/MARCH -25/034
---	--

Sample Particulars	Details of Sampling
<b>Sample Name/Description:</b> - Ground Water.  <b>Sample Quantity:</b> - 500 ml <b>Sample pkg. Condition:</b> - Good.	<b>Date of sampling :</b> -N/A <b>Sample Received date:</b> - 12/03/2025 <b>Sample collected by:</b> - Customer <b>Sampling Location:</b> - Final Outlet

Discipline: Biological					
Test started on: -		Test completed on :-		13 /03/2025	
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)
1	Total Coliform	CFU/100mL	<1	APHA 24 <sup>th</sup> 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 <sup>th</sup> 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.

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)

State Level Water Testing Laboratory  
Jharkhand, Ranchi

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