

पत्रांक :- 345 (SLWT L/ 2026-27) 001 दिनांक:- 30/7/2026

प्रभक,

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

सेवा में,

The Principal,
Indal High School (+2),
Vill.- Singhpur, PO.- Silli,
Dist.- Ranchi, Jharkhand- 835101.

विषय:- जल जाँच के संबंध में।

महोदय,

उपरोक्त विषय एवं प्रासंगिक पत्र के संदर्भ में कहना है कि दिनांक - 21/07/2026 को आपके द्वारा दिया गया जल नमूनों का रासायनिक एवं जैविक जाँच समपन्न कर जल जाँच प्रतिवेदन आपको समर्पित किया जा रहा है।

अंगुलमंक :- 06 अदद।

विश्वासभाजन

L- 30/7/2026

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:- The Principal,

Indal High School (+2),

Vill:- Singhpur, P.O:- Silli,

Dist:- Ranchi, Jharkhand- 835101.

Sample No.: 01 First Floor (Borewell Water)

Sample Code: - 260721-GW-A-002

ULR NO. : - TC152122500001371F(A)

Date of Issue: - 30/7/2026

Customer Reference No. : - SLR/CLR/JULY-26/046

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: - 21/07/2026

Sample collected by: - Customer

Sampling Location: - Final Outlet

Discipline: Chemical

Test started on: - 21/07/2026

Test completed on :-

29/07/2026

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	-	7.18	APHA 24 th Ed 2023-4500-IF B. (Electrometric method)	6.5 - 8.5	No relaxation
2	Total Dissolved Solids at 180 °C	mg/L max	276	APHA 24 th Ed 2023-2540 C. (Total Dissolved Solids Dried at 180°C)	500	2000
3	Turbidity	NTU Max	1.9	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	136	APHA 24 th Ed 2023-2320 B. (Titration method)	200	600
8	Total Hardness as CaCO ₃	mg/L max	188	APHA 24 th Ed 2023-2340 C. (EDTA Titration method)	200	600
9	Calcium as Ca	mg/L max	36.8	APHA 24 th Ed.2023-3500 Ca B. (EDTA Titration method)	75	200
10	Magnesium as Mg	mg/L max	23.32	APHA 24 th Ed 2023-3500-Mg B. (Calculation method)	30	100
11	Chloride as Cl	mg/L max	81.95	APHA 24 th Ed 2023-4500 Cl B. (Argentometric method)	250	1000
12	Fluoride as F	mg/L max	0.42	APHA 24 th Ed.2023-4500 F ⁻ C. (Ion selective electrode method)	1.0	1.50
13	Nitrate as NO ₃	mg/L max	16.37	APHA 24 th Ed 2023-4500 NO ₃ ⁻ B. (Ultraviolet spectrophotometric screening method)	45	No relaxation
14	Iron as Fe	mg/L max	BDL	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.

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
B.W. & S. Dept. Hinge, 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:- The Principal,

Indal High School (+2),

Vill - Singhpur, P.O. - Silli,

Dist - Ranchi, Jharkhand- 835101.

Sample No.: 01 (In T) loor (Borewell Water)

Sample Code: - 260721-GW-A-002

ULR NO. : - TC152122500001371F(B)

Date of Issue: - 30/7/2026

Customer Reference No. : - SLR/CLR/JULY-26/046

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: - 21/07/2026

Sample collected by: - Customer

Sampling Location: - Final Outlet

Discipline: Chemical - Residues in Water

Test started on: - 21/07/2026

Test completed on :-

29/07/2026

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	10	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, 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 Dept., Hino, 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



TC-15212

Issued to:- The Principal,
Indra High School (12),
Vill - Singhpur, PO - Silli,
Dist - Ranchi, Jharkhand- 835101.
Sample No.:- 01- First Floor (Borewell Water).

Sample Code: - 260721-GW-A-002
U/LR NO.: - TC152122500001371F(C)
Date of Issue: - 30/7/2026
Customer Reference No.: - SLR/CLR/JULY-26/046

Sample Particulars	Details of Sampling
Sample Name/Description: - Ground Water.	Date of sampling : -N/A
Sample Quantity: - 500 ml	Sample Received date: - 21/07/2026
Sample pkg. Condition: - Good.	Sample collected by: - Customer
	Sampling Location: - Final Outlet

Discipline: Biological

Test started on: -		21/07/2026		Test completed on :-		22/07/2026	
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 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.

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: - INTC - Too Numerous To Count.

(Arti)

Authorised Signatory
(Arti Kumari)

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