

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,
D.A.V. Public School,
Bariatu, Ranchi-834009.

Sample Code: - 240210-GW-A-004
Date of Issue: -22/02/2024
Customer Reference No. : - SLR/CLR/FEBRUARY -24/016

Sample No. :- 01 – Boring Water.


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: - 10/02/2024 Sample collected by: - Customer Sampling Location: - Final Outlet

Discipline: Chemical					21/02/2024	
Test started on: -		10/02/2024		Test completed on :-		
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	-	6.92	APHA 23 rd Ed.2017-4500-H ⁺ B, (Electrometric method)	6.5 – 8.5	No relaxation
2	Total Dissolved Solids at 180 ^o C	mg/L max	244	APHA 23 rd Ed.2017-2540 C, (Total Dissolved Solids Dried at 180 ^o C)	500	2000
3	Turbidity	NTU max	1.6	APHA 23 rd Ed.2017-2130 B, (Nephelometric method)	1	5
4	Odour	-	Agreeable	IS 3025 (Part-5)	Agreeable	Agreeable
5	Taste	-	Agreeable	IS 3025 (Part-7) (Taste Threshold)	Agreeable	Agreeable
6	Colour	Hazen unit	5	APHA 23 rd Ed.2017-2120 B, (Visual Comparison method)	5	15
7	Total Alkalinity as CaCO ₃	mg/L max	96	APHA 23 rd Ed.2017-2320 B, (Titration method)	200	600
8	Total Hardness as CaCO ₃	mg/L max	208	APHA 23 rd Ed.2017-2340 C, (EDTA Titration method)	200	600
9	Calcium as Ca	mg/L max	65.6	APHA 23 rd Ed.2017-3500 Ca B, (EDTA Titration method)	75	200
10	Magnesium as Mg	mg/L max	10.69	APHA 23 rd Ed.2017-3500-Mg B, (Calculation method)	30	100
11	Chloride as Cl	mg/L max	65.97	APHA 23 rd Ed.2017-4500 Cl ⁻ B, (Argentometric method)	250	1000
12	Fluoride as F	mg/L max	0.22	APHA 23 rd Ed.2017-4500 F ⁻ C, (Ion selective electrode method)	1.0	1.50
13	Nitrate as NO ₃	mg/L max	9.53	APHA 23 rd Ed.2017-4500 NO ₃ ⁻ B, (Ultraviolet spectrophotometric screening method)	45	No relaxation
14	Iron as Fe	mg/L max	0.07	APHA 23 rd Ed.2017-3500 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,
D.W. & S. Dentt, Hingoo, Ranchi

State Level Water Testing Laboratory, Ranchi, Jharkhand



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Sample No. :- 01 – Boring Water.

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: - 10/02/2024

Sample collected by: - Customer

Sampling Location: - Final Outlet

Discipline: Chemical - Residues in Water

Test started on: - 10/02/2024

Test completed on :-


21/02/2024

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-37) (Silver Diethyldithiocarbamate method)	10	No relaxation

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

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