

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 :- Sheela Agarwal,
Saraswati Vidya Mandir,
Lohardaga.
Sample No.: - 01 -R.O Water.

Sample Code: - 240328-DW-O-001
Date of Issue: 08/04/2024
Customer Reference No. : - SLR/CLR/MARCH -24/046

Sample Particulars	Details of Sampling
Sample Name/Description: - Drinking Water.	Date of sampling : -N/A
Sample Quantity: - 1 Lit.	Sample Received date: - 28/03/2024
Sample pkg. Condition: - Good.	Sample collected by: - Customer
	Sampling Location: - Final Outlet

Discipline: Chemical					06/04/2024	
Test started on: -		28/03/2024	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	-	6.52	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	102	APHA 23 rd Ed.2017-2540 C, (Total Dissolved Solids Dried at 180 ^o C)	500	2000
3	Turbidity	NTU max	0.1	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	44	APHA 23 rd Ed.2017-2320 B, (Titration method)	200	600
8	Total Hardness as CaCO ₃	mg/L max	60	APHA 23 rd Ed.2017-2340 C, (EDTA Titration method)	200	600
9	Calcium as Ca	mg/L max	19.2	APHA 23 rd Ed.2017-3500 Ca B, (EDTA Titration method)	75	200
10	Magnesium as Mg	mg/L max	2.91	APHA 23 rd Ed.2017-3500-Mg B, (Calculation method)	30	100
11	Chloride as Cl	mg/L max	21.68	APHA 23 rd Ed.2017-4500 Cl ⁻ B, (Argentometric method)	250	1000
12	Fluoride as F	mg/L max	0.10	APHA 23 rd Ed.2017-4500 F ⁻ C, (Ion selective electrode method)	1.0	1.50
13	Nitrate as NO ₃	mg/L max	0.66	APHA 23 rd Ed.2017-4500 NO ₃ ⁻ B, (Ultraviolet spectrophotometric screening method)	45	No relaxation
14	Iron as Fe	mg/L max	0.04	APHA 23 rd Ed.2017-3500 Fe B, (1,10-phenanthroline method)	1.0	No relaxation

Remarks:-The submitted sample of water confirms 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

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—End of the Report—

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प्रधानाचार्य
श्रीला अग्रवाल सरस्वती विद्या मंदिर
लोहरदगा
Authorised Signatory
(Technical Manager)

State Level Water Testing Laboratory, Ranchi, Jharkhand

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Saraswati Vidya Mandir,
Lohardaga.

Sample No.: - 01 -R.O Water.

Sample Code: - 240328-DW-O-001

Date of Issue: 08/04/2024

Customer Reference No. : - SLR/CLR/MARCH -24/016

Sample Particulars

Sample Name/Description: - Drinking Water.

Sample Quantity: - 1 Lit.

Sample pkg. Condition: - Good.

Details of Sampling

Date of sampling : -N/A

Sample Received date: - 28/03/2024

Sample collected by: - Customer

Sampling Location: - Final Outlet

Discipline: Chemical - Residues in Water

Test started on: - 28/03/2024

Test completed on :-

06/04/2024

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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- ♦ 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-----

प्रधानाचार्य
शीला अग्रवाल सरस्वती विद्या मन्दिर
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Saraswati Vidya Mandir,
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Sample No.: - 01 -R.O Water.

Sample Code: - 240328-DW-O-001
Date of Issue: 08/04/2024
Customer Reference No. : - SLR/CLR/MARCH -24/016

Sample Particulars

Details of Sampling

Sample Name/Description: - Drinking Water.
Sample Quantity: - 500 ml
Sample pkg. Condition: - Good.

Date of sampling : -N/A
Sample Received date: - 28/03/2024
Sample collected by: - Customer
Sampling Location: - Final Outlet

Discipline: Biological

Test started on: - 28/03/2024

Test completed on :- 30/03/2024

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)
1	Total Coliform	CFU/100mL	<1	APHA 23 rd Ed.2017-9222 B (Membrane Filter Technique)	Shall not be detectable in any 100 mL sample
2	Thermotolerant (Fecal) Coliform	CFU/100mL	<1	APHA 23 rd Ed.2017-9222 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.
- ♦ NOTE: - TNTC = Too Numerous To Count.

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Authorised Signatory
(Arti Kumari)

—End of the Report—

Annexure C

PROFORMA FOR SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No. 42

Dated: 11/09/2024

It is certified that an inspection team headed by Joy Kumar Minz

(Name of Officers with designation) from Asst. Engineer PHED

inspected the Sheela Agrawal Saraswati Vidya Mandir, Lohardaga.

(Name & Address of the school) on 15/04/2024 (date of inspection) and on the basis of

Water Test Report (Attached) bearing no. 240328-DW-D-001 dated 08/04/2024

of Water Testing Laboratory, Lohardaga (PHED Lab) certified that

the Sheela Agrawal Saraswati Vidya Mandir (Name of school) has safe drinking water

facilities for the students and members of staff of the institution. School is also maintains the

hygienic sanitation condition in the school building & the campus as per norms prescribed by the

Central/ State/ U.T. Govt.

This certificate is valid till 10/09/2025

To Sheela Agrawal Saraswati
Vidya Mandir, Lohardaga.
(Name & Address of the Institution)

Signature with Seal: 11.09.24
Name: Joy Kumar Minz
Designation: Asst. Engineer
Name & Address of the Office / Department:

सहायक अभियंता
पेयजल एवं स्व. अ. प्रमंडल
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Note: The certificate is to be issued by authorized officer / PHED Lab / local bodies

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