

पत्रांक :- 199(SLWTL/2024-25) 002 दिनांक:- 6/7/2024

प्रेषक,

Technical Manager

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

सेवा में,

Lala Lajpat Rai Bal Mandir Senior Secondary School
Pundag, Ranchi -04.

विषय:- जल जाँच के संबंध में।

प्रसंग:- पत्रांक -012/2024-25

महाशय,

उपरोक्त विषय एवं प्रासंगिक पत्र के संदर्भ में कहना है कि दिनांक - 20/06/2024 को आपके द्वारा दिया गया जल नमूनों का रासायनिक एवं जैविक जाँच सम्पन्न कर जल जाँच प्रतिवेदन आपको समर्पित किया जा रहा है।

अनुलग्नक :- 03 अदद।

विश्वासभाजन

11. 6/7/2024

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: - Lala Lajpat Rai Bal Mandir Senior Secondary School
Pundag, Ranchi -04.

Sample Code: - 240620-DW-A-001

Date of Issue:-06/07/2024

Customer Reference No. : - SLR/CLR/JUNE -24/033

Sample No.: - 01 – R.O Water.

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: - 20/06/2024

Sample collected by: - Customer

Sampling Location: - Final Outlet

Discipline: Chemical

Test started on: - 20/06/2024

Test completed on :-

05/07/2024

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	pH	-	7.02	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	364	APHA 23 rd Ed.2017-2540 C, (Total Dissolved Solids Dried at 180 ^o C)	500	2000
3	Turbidity	NTU max	0.2	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	152APHA 23 rd Ed.2017-2120 B, (Visual Comparison method)	5	15
7	Total Alkalinity as CaCO ₃	mg/L max	152	APHA 23 rd Ed.2017-2320 B, (Titration method)	200	600
8	Total Hardness as CaCO ₃	mg/L max	236	APHA 23 rd Ed.2017-2340 C, (EDTA Titration method)	200	600
9	Calcium as Ca	mg/L max	14.4	APHA 23 rd Ed.2017-3500 Ca B, (EDTA Titration method)	75	200
10	Magnesium as Mg	mg/L max	48.6	APHA 23 rd Ed.2017-3500-Mg B, (Calculation method)	30	100
11	Chloride as Cl	mg/L max	90.66	APHA 23 rd Ed.2017-4500 Cl ⁻ B, (Argentometric method)	250	1000
12	Fluoride as F	mg/L max	1.19	APHA 23 rd Ed.2017-4500 F ⁻ C, (Ion selective electrode method)	1.0	1.50
13	Nitrate as NO ₃	mg/L max	0.17	APHA 23 rd Ed.2017-4500 NO ₃ ⁻ B, (Ultraviolet spectrophotometric screening method)	45	No relaxation
14	Iron as Fe	mg/L max	0.05	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. 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	
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Issued to: - - Lala Lajpat Rai Bal Mandir Senior Secondary School Pundag, Ranchi -04. Sample No.: - 01 – R.O Water.	Sample Code: - 240620-DW-A-001 Date of Issue: -06/07/2024 Customer Reference No. : - SLR/CLR/JUNE -24/033
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Sample Particulars	Details of Sampling
Sample Name/Description: - Drinking Water. Sample Quantity: - 1 Lit. Sample pkg. Condition: - Good.	Date of sampling : -N/A Sample Received date: - 20/06/2024 Sample collected by: - Customer Sampling Location: - Final Outlet

Discipline: Chemical - Residues in Water

Test started on: - 20/06/2024 **Test completed on :-** 05/07/2024

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-2)-2004/ 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-----

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-F33 Issue No.: 01 Revision No.: 01 Date : 18.02.2022	
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Issued to: - - Lala Lajpat Rai Bal Mandir Senior Secondary School Pundag, Ranchi -04.				Sample Code: - 240620-DW-A-001 Date of Issue:-06/07/2024 Customer Reference No. : - SLR/CLR/JUNE -24/033	
Sample No.: - 01 – R.O Water.					
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: - 20/06/2024 Sample collected by: - Customer Sampling Location: - Final Outlet	
Discipline: Biological					
Test started on: -		20/06/2024		Test completed on :- 21/ 06/2024	
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: -

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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 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---