

पत्रांक :- 138 (SLWTC/2023-24)001 दिनांक:- 15/6/2023

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

सेवा में,

The Principal,  
Cambrian Public School,  
Radio Station Road, Kathitand, Ratu, Ranchi-835222.

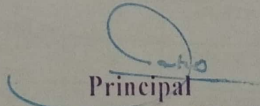
विषय:- जल जाँच के संबंध में।

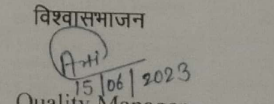
महाशय,

उपरोक्त विषय एवं प्रासंगिक पत्र के संदर्भ में कहना है कि दिनांक - 06/06/2023 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।



Attested

  
Principal  
Cambrian Public School  
Radio Station Road, Kathitand,  
Ratu, Ranchi - 835222

विश्वासभाजन  
  
15/06/2023  
Quality Manager  
राज्य स्तरीय जल जाँच प्रयोगशाला, राँची।

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State Level Water Testing Laboratory, Ranchi, Jharkhand

	<p>TEST ANALYSIS REPORT</p>	<p>Date No. : 10/01/CP-4/23</p>	
		<p>Form No. : 01</p> <p>Revision No. : 01</p> <p>Date : 18.03.2023</p>	

<p>Issued to : The Principal, Cambrian Public School, Radio Station Road, Kathmand, Ratu, Ranchi-835222.</p>	<p>Sample Code : 10006/GW-A-002</p> <p>U.R.N.S. : FC/011/00000001/0/0/0</p> <p>Date of Issue : 15/06/2023</p> <p>Customer Reference No. : SERCER/2023-23015</p>
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<p>Sample No. : BI - Boring Water</p> <p>Sample Name/Description : Ground Water</p> <p>Sample Quantity : 1 Lit.</p> <p>Sample pkg. Condition : Good</p>	<p>Details of Sampling</p> <p>Date of sampling : N/A</p> <p>Sample Received date : 06/06/2023</p> <p>Sample collected by : Customer</p> <p>Sampling Location : Final Outlet</p>
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Discipline: Chemical  
 Test started on: 06/06/2023  
 Test completed on: 14/06/2023

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 <sup>rd</sup> Ed.2017-4500-F B, (Electrometric method)	6.5 - 8.5	No relaxation
2	Total Dissolved Solids at 180°C	mg/L max	42	APHA 23 <sup>rd</sup> Ed.2017-2540-C, (Total Dissolved Solids Dried at 180°C)	500	2000
3	Turbidity	NTU max	0.2	APHA 23 <sup>rd</sup> Ed.2017-2130-B, (Nephelometric method)	1	5
4	Odour	-	Agreeable	IS 3025 (Part-3)	Agreeable	Agreeable
5	Taste	-	Agreeable	IS 3025 (Part-3) (Taste Threshold)	Agreeable	Agreeable
6	Colour	Hazen unit	5	APHA 23 <sup>rd</sup> Ed.2017-2120-B, (Visual Comparison method)	5	15
7	Total Alkalinity as CaCO <sub>3</sub>	mg/L max	24	APHA 23 <sup>rd</sup> Ed.2017-2320-B, (Titration method)	200	600
8	Total Hardness as CaCO <sub>3</sub>	mg/L max	32	APHA 23 <sup>rd</sup> Ed.2017-2340-C, (EDTA Titration method)	200	600
9	Calcium as Ca	mg/L max	8	APHA 23 <sup>rd</sup> Ed.2017-1590-Ca B, (EDTA Titration method)	75	200
10	Magnesium as Mg	mg/L max	2.91	APHA 23 <sup>rd</sup> Ed.2017-1590-Mg B, (Calculation method)	30	100
11	Chloride as Cl	mg/L max	5.99	APHA 23 <sup>rd</sup> Ed.2017-4500-Cl B, (Argentometric method)	250	1000
12	Fluoride as F	mg/L max	0.70	APHA 23 <sup>rd</sup> Ed.2017-4500-F C, (Ion selective electrode method)	1.0	1.50
13	Nitrate as NO <sub>3</sub>	mg/L max	1.82	APHA 23 <sup>rd</sup> Ed.2017-4500-NO <sub>3</sub> B, (Ultra-violet spectrophotometric screening method)	45	No relaxation
14	Iron as Fe	mg/L max	0.05	APHA 23 <sup>rd</sup> Ed.2017-2500-Fs B, (1,10-phenanthroline method)	1.0	No relaxation

Remarks:- The submitted sample of water conform to IS - 10500 with respect to above test.  
 Specific contractual notes :-

- The results listed refer only to the tested samples and applicable parameters.
- 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 returned except when in full, within the validity period of the certificate.
- The liability of the laboratory is limited to that of the certificate.
- All disputes are referred to the Deputy Director, Ranchi.

Attested  
 Cambrian Public School  
 Radio Station Road, Kathmand  
 Ratu, Ranchi - 835222

Authorized Signatory  
 (Quality Manager)  
 Quality Manager

—End of the Report—

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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, Cambrian Public School, Radio Station Road, Kathitand, Ratu, Ranchi-835222.	Sample Code: - 230606-GW-A-002 ULR NO. : - TC735123000000613P(B) Date of Issue: - 15/06/2023 Customer Reference No. : - SLR/CLR/JUNE -23/012
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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: - 06/06/2023 Sample collected by: - Customer Sampling Location: - Final Outlet

Discipline: Chemical - Residues in Water					
Test started on: -		06/06/2023	Test completed on :-		14/06/2023
Sl. No.	Test Parameter	Unit	Results	Method	Specification as per BIS – 10500:2012 (Second Revision) Amendment – June 2015
					Acceptable Limit
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.

- 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.

**Attested**  
Principal  
Cambrian Public School  
Radio Station Road, Kathitand  
Ratu, Ranchi - 835222

**Authorised Signatory (Quality Manager)**  
Quality Manager  
State Level Water Testing Laboratory  
D.W & S Deptt., Hingoo, 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



TC-7351

**Issued to:** - The Principal,  
Cambrian Public School,  
Radio Station Road, Kathitand, Ratu, Ranchi-835222.

**Sample Code:** - 230606-GW-A-002  
**ULR NO.:** - TC73512300000613P(C)  
**Date of Issue:** - 15/06/2023  
**Customer Reference No.:** - SLR/CLR/JUNE -23/012

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

**Sample Particulars**

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

**Discipline:** Biological

**Details of Sampling**

**Date of sampling:** -N/A  
**Sample Received date:** - 06/06/2023  
**Sample collected by:** - Customer  
**Sampling Location:** - Final Outlet

Test started on :-		06/06/2023		Test completed on :-		07/06/2023	
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	Nil	APHA 23 <sup>rd</sup> Ed.2017-9222 B (Membrane Filter Technique)	Shall not be detectable in any 100 mL sample		
2	Thermotolerant (Fecal) Coliform	CFU/100mL	Nil	APHA 23 <sup>rd</sup> 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.

**Attested**

**Principal**  
Cambrian Public School  
Radio Station Road, Kathitand  
Ratu, Ranchi - 835222

**Authorised Signatory**  
**(Quality Manager)**  
Quality Manager  
State Level Water Testing Laboratory  
D.W. & S. Deptt., Hinoo, Ranchi

----End of the Report--