

पत्रांक :- 126 (SLWTL/2023-24)001 दिनांक:- 12/6/2023

प्रेषक,

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

सेवा में,

Springdale Public School,
Khelgaon Road, Khatanga, Dist.- Ranchi-835103.

विषय:- जल जाँच के संबंध में।

प्रसंग:- Ref. No. -39

दिनांक - 04/06/2023

महाशय,

उपरोक्त विषय एवं प्रासंगिक पत्र के संदर्भ में कहना है कि दिनांक - 05/06/2023 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।



विश्वासभाजन

12/6/2023

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	 TC-7351
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Issued to: - Springdale Public School, Khelgaon Road, Khatanga, Dist. - Ranchi-835103. Sample No.: - 01 – Boring Water.	Sample Code: - 230605-GW-A-001 ULR NO. : - TC735123000000599P(A) Date of Issue: - 12/06/2023 Customer Reference No. : - SLR/CLR/JUNE -23/008
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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: - 05/06/2023 Sample collected by: - Customer Sampling Location: - Final Outlet


Discipline: Chemical			
Test started on: -	05/06/2023	Test completed on :-	10/06/2023

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	-	6.37	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	96	APHA 23 rd Ed.2017-2540 C, (Total Dissolved Solids Dried at 180 ^o C)	500	2000
3	Turbidity	NTU max	4.0	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	40	APHA 23 rd Ed.2017-2320 B, (Titration method)	200	600
8	Total Hardness as CaCO ₃	mg/L max	80	APHA 23 rd Ed.2017-2340 C, (EDTA Titration method)	200	600
9	Calcium as Ca	mg/L max	17.6	APHA 23 rd Ed.2017-3500 Ca B, (EDTA Titration method)	75	200
10	Magnesium as Mg	mg/L max	8.74	APHA 23 rd Ed.2017-3500-Mg B, (Calculation method)	30	100
11	Chloride as Cl	mg/L max	11.99	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	1.26	APHA 23 rd Ed.2017-4500 NO ₃ ⁻ B, (Ultraviolet spectrophotometric screening method)	45	No relaxation
14	Iron as Fe	mg/L max	0.26	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 except one parameter pH.



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 (Technical Manager)

-----End of the Report-----
 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	 TC-7351
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Issued to: - Springdale Public School, Khelgaon Road, Khatanga, Dist. - Ranchi-835103. Sample No.: - 01 – Boring Water.	Sample Code: - 230605-GW-A-001 ULR NO. : - TC735123000000599P(B) Date of Issue: – 12/06/2023 Customer Reference No. : - SLR/CLR/JUNE -23/008
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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: - 05/06/2023 Sample collected by: - Customer Sampling Location: - Final Outlet


Discipline: Chemical - Residues in Water			
Test started on: -	05/06/2023	Test completed on :-	10/06/2023

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)
01	Arsenic as As	µg/L max	BDL	IS : 3025(part-37) (Silver Diethylthiocarbamate method)	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 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	 TC-7351
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Issued to: - Springdale Public School, Khelgaon Road, Khatanga, Dist. - Ranchi-835103. Sample No.: - 01 – Boring Water.	Sample Code: - 230605-GW-A-001 ULR NO. : - TC735123000000599P(C) Date of Issue: – 12/06/2023 Customer Reference No. : - SLR/CLR/JUNE -23/008
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Sample Particulars	Details of Sampling
Sample Name/Description: - Ground Water. Sample Quantity: - 500 ml Sample pkg. Condition: - Good.	Date of sampling : -N/A Sample Received date: - 05/06/2023 Sample collected by: - Customer Sampling Location: - Final Outlet

Discipline: Biological

Test started on: -	05/06/2023	Test completed on :-	06/06/2023			
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 rd . 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 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.


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

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