

पत्रांक :- 544 (SLW TL/2023-24) 001 दिनांक:- 2/2/2024

प्रेषक,

Technical Manager

राज्य स्तरीय जल जाँच प्रयोगशाला,

पेय जल एवं स्वच्छता विभाग, राँची, झारखण्ड।

सेवा में,

Dr. M. Alam,

Ideal International School,

Daladlee, Ranchi.

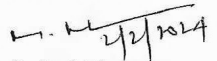
विषय:- जल जाँच के संबंध में।

महाशय,

उपरोक्त विषय एवं प्रासंगिक पत्र के संदर्भ में कहना है कि दिनांक - 24/01/2024 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



Technical Manager

राज्य स्तरीय जल जाँच प्रयोगशाला, राँची।



Principal

Ideal International School

Daladali, Ranchi- 834005


Sumbul Alam

Manager

Ideal International School

Daladali, Ranchi-835222

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 :- Dr. M. Alam, Ideal International School, Daladlee, Ranchi.	Sample Code: - 240124-GW-A-001 Date of Issue: -02/02/2024 Customer Reference No. : - SLR/CLR/JANUARY -24/031
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: - 24/01/2024 Sample collected by: - Customer Sampling Location: - Final Outlet

Discipline: Chemical

Test started on: - 24/01/2024 Test completed on :- 01/02/2024


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)
1	pH	-	6.78	APHA 23 rd Ed.2017-4500-H ⁺ B, (Electrometric method)	6.5 – 8.5	No relaxation
2	Total Dissolved Solids at 180° C	mg/L max	188	APHA 23 rd Ed.2017-2540 C, (Total Dissolved Solids Dried at 180° C)	500	2000
3	Turbidity	NTU max	3.9	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	156	APHA 23 rd Ed.2017-2320 B, (Titration method)	200	600
8	Total Hardness as CaCO ₃	mg/L max	112	APHA 23 rd Ed.2017-2340 C, (EDTA Titration method)	200	600
9	Calcium as Ca	mg/L max	27.2	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	5.99	APHA 23 rd Ed.2017-4500 Cl ⁻ B, (Argentometric method)	250	1000
12	Fluoride as F	mg/L max	1.34	APHA 23 rd Ed.2017-4500 F ⁻ C, (Ion selective electrode method)	1.0	1.50
13	Nitrate as NO ₃	mg/L max	0.15	APHA 23 rd Ed.2017-4500 NO ₃ ⁻ B, (Ultraviolet spectrophotometric screening method)	45	No relaxation
14	Iron as Fe	mg/L max	0.42	APHA 23 rd Ed.2017-3500 Fe 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 sample and applicable parameter.
- ◆ This report, in full or in part, shall not be used 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 delivered within 15 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.


Sumbul Alam
 Manager
 Ideal International School
 Daladali, Ranchi-835222


 Authorised Signatory

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 :- Dr. M. Alam, Ideal International School, Daladlee, Ranchi.	Sample Code:- 240124-GW-A-001 Date of Issue:- 02/02/2024 Customer Reference No. :- SLR/CLR/JANUARY -24/031
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Sample Particulars Sample Name/Description:- Ground Water. Sample Quantity:- 500 ml Sample pkg. Condition:- Good.	Details of Sampling Date of sampling :- N/A Sample Received date:- 24/01/2024 Sample collected by:- Customer Sampling Location:- Final Outlet
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Discipline: Biological

Test started on: -		24/01/2024		Test completed on :-		25/01/2024	
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	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.



 Principal
 Ideal International School
 Daladali, Ranchi- 834005


 Manager
 Ideal International School
 Daladali, Ranchi- 834005

Technical Manager
 State Level Water Testing Laboratory
 G.P.O. & Post Office, Ranchi

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

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 :- Dr. M. Alam, Ideal International School, Daladlee, Ranchi. Sample No.: - 01 –Boring Water.	Sample Code: - 240124-GW-A-001 Date of Issue: -02/02/2024 Customer Reference No. :- SLR/CLR/JANUARY -24/031
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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: - 24/01/2024 Sample collected by: - Customer Sampling Location: - Final Outlet


Discipline: Chemical - Residues in Water						
Test started on: -		24/01/2024	Test completed on :-		01/02/2024	
Sl. No.	Test Parameter	Unit	Results	Method	Acceptable Limit	Permissible Limit (In Absence of Alternate source)
01	Arsenic as As	$\mu\text{g/L}$ max	BDL	IS : 3025(part-37) (Silver Diethyldithiocarbamate method)	10	No relaxation

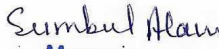
Remarks:-The submitted sample of water confirm to IS – 10500 with respect to above test.
 Specific contractual notes: -

- ♦ 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.

 Authorised Signatory
 (Technical Manager)

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


 Principal
 Ideal International School
 Daladali, Ranchi- 834005


 Manager
 Ideal International School
 Daladali, Ranchi-835222