

पत्रांक :- 283 (SLWTL/2022-23)001 दिनांक:- 24/9/2022

प्रेषक,

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

सेवा में,

J. K. International School,
Agru, Ratu, Ranchi-835222 (Jharkhand).

विषय:- जल जाँच के संबंध में।

प्रसंग:- पत्रांक - Ref.no.- JKIS/2022-23/05.

दिनांक - 19/09/2022

महाशय,

उपरोक्त विषय एवं प्रासंगिक पत्र के संदर्भ में कहना है कि दिनांक - 19/09/2022 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

24/9/2022

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.: 00

Date :05.03.2020



TC-7351

Issued to :- J.K. International School,
Agru, Ratu, Ranchi-835222 (Jharkhand).

Sample No. : - 01 - Boring Water.

Sample Code: - 220919-GW-A-002

ULR NO. : - TC73512200000957P(A)

Date of Issue: - 24/09/2022

Customer Reference No. : - SLR/CLR//SEPTEMBER-22/027

Sample Particulars

Sample Name/Description: - Ground Water.

Sample Quantity: - 1 Lit.

Sample pkg. Condition: - Good.

Details of Sampling

Date of sampling : -N/A

Sample Received date: - 19/09/2022

Sample collected by: - Customer

Sampling Location: - Final Outlet

Discipline: Chemical

Test started on: - 19/09/2022

Test completed on :-

23/09/2022

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	-	6.98	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	54	APHA 23 rd Ed.2017-2540 C. (Total Dissolved Solids Dried at 180 ^o C)	500	2000
3	Turbidity	NTU max	0.3	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	36	APHA 23 rd Ed.2017-2340 C. (EDTA Titration method)	200	600
9	Calcium as Ca	mg/L max	8	APHA 23 rd Ed.2017-3500 Ca B. (EDTA Titration method)	75	200
10	Magnesium as Mg	mg/L max	3.88	APHA 23 rd Ed.2017-3500-Mg B. (Calculation method)	30	100
11	Chloride as Cl	mg/L max	3.99	APHA 23 rd Ed.2017-4500 Cl B. (Argentometric method)	250	1000
12	Fluoride as F	mg/L max	0.51	APHA 23 rd Ed.2017-4500 F ⁻ C. (Ion selective electrode method)	1.0	1.50
13	Nitrate as NO ₃	mg/L max	11.82	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 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. ☺

H. M.

Authorised Signatory

State Level Water Testing Laboratory, Ranchi, Jharkhand



TEST ANALYSIS REPORT

Doc No.: SLWTL-QP-4-F31

Issue No.: 01

Revision No.: 00

Date :05.03.2020



TC-7351

Issued to :- J.K. International School,
Agru. Ratu, Ranchi-835222 (Jharkhand).

Sample Code: - 220919-GW-A-002

ULR NO. : - TC73512200000957P(A)

Date of Issue: - 24/09/2022

Customer Reference No. : - SLR/CLR//SEPTEMBER-22/027

Sample No. : - 01 - Boring Water.

Sample Particulars

Details of Sampling

Sample Name/Description: - Ground Water.

Date of sampling : -N/A

Sample Quantity: - 1 Lit.

Sample Received date: - 19/09/2022

Sample pkg. Condition: - Good.

Sample collected by: - Customer

Sampling Location: - Final Outlet

Discipline: Chemical - Residues in Water

Test started on: - 19/09/2022

Test completed on :-

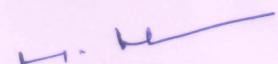
23/09/2022

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.

Specific contractual notes: -

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- ◆ 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

Issued to :- J.K. International School,
 Agru. Ratu. Ranchi-835222 (Jharkhand).

Sample Code: - 220919-GW-A-002

Date of Issue: - 24/09/2022

Sample No. : - 01 - Boring Water.

Customer Reference No. : - SLR/CLR//SEPTEMBER-22/027

Sample Particulars

Details of Sampling

Sample Name/Description: - Ground Water.

Date of sampling : -N/A

Sample Quantity: - 1 Lit.

Sample Received date: - 19/09/2022

Sample pkg. Condition: - Good.

Sample collected by: - Customer

Sampling Location: - Final Outlet

Discipline: Biological

Test started on: - 19/09/2022

Test completed on :- 21/09/2022

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) / IS: 1622-1981 (MTD Test)	Shall not be detectable in any 100 mL sample	
2	Thermotolerant (Fecal) Coliform/ <i>E.coli</i>	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 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; TNTC = Too Numerous To Count, MTD = Multiple Tube Dilution Test.

Arti

Authorised Signatory
 (Quality Manager)

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

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

SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

NO. 1125

Date : 27/09/22

It is certified that an inspection team headed by EE DWSO, Ranchi West from PHED department inspected the J.K. International School, Agru, Ratu, Ranchi, Jharkhand on 27/09/22 and found that the J.K. International School has safe drinking water facilities for students and members of staff of the institution and is maintaining the hygienic sanitation condition in the school building and the campus as per the norms prescribed by the Central/ State/ U.T Govt.

The above is valid for a period of 01 (Year)

Signature with seal :

27/09/22

Name :

Shashi Shekhar Singh

Designation :

Executive Engineer
DWSO, Ranchi West.

ई० शाशि शेखर सिंह
कार्यपालक अभियंता-सह- अपोलीय पदाधिकारी
पेयजल एवं स्वच्छता प्रमण्डल
राँची पश्चिम, राँची

To,

J.K. International School

Agru, Ratu, Ranchi – 83522,

Jharkhand.