

पत्रांक :- 112(SLWTC/2023-24)001 दिनांक:- 7/6/2023

प्रेषक,

Technical Manager

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

सेवा में,

DAV Mahatma Anand Swami Public School,
At.-Po.- Ps.- Silli, Dist.- Ranchi, Jharkhand- 835102.
Ratu, Near Kathitar, Ranchi.

विषय:- जल जाँच के संबंध में।

प्रसंग:- Ref. No.- DAV/Silli/2023-24/046

दिनांक - 18/05/2023

महाशय,

उपरोक्त विषय एवं प्रासंगिक पत्र के संदर्भ में कहना है कि दिनांक - 18/05/2023 को आपके द्वारा दिया गया जल नमूना का रासायनिक एवं जैविक जाँच समपन्न कर जल जाँच प्रतिवेदन आपको समर्पित किया जा रहा है।

अनुलग्नक :- 03 अदद।

ATTESTED

Bharan

PRINCIPAL
DAV M.A.S. Public School
Silli, Ranchi

ATTESTED

Manoj Kumar

MANAGER
DAV M.A.S. Public School
Silli, Ranchi

विश्वासभाजन

7/6/2023

Technical Manager

राज्य स्तरीय जल जाँच प्रयोगशाला, राँची।

WATER ANALYSIS REPORT / जल परिक्षण रिपोर्ट

OCTOPUS Inc.
reach out!

Name / नाम : सुनी देवी / कान्ति बाला देवी

Location / स्थल : D.A.V. M.A.S Public School Silli (Basaxuli)

Parameters	Unit	1	2	3	4	5	6	7	8	9	10	11	12	13
1) pH / पी.एच.		6.0												
2) Turbidity / मटमैलापन	(NTU)	0.4												
3) Total Hardness / कुल कठोरता (as CaCO ₃)	(mg/L)	250												
4) Chloride / क्लोराइड	(mg/L)	50												
5) Total Alkalinity / क्षारीयता (as CaCO ₃)	(mg/L)	250												
6) Residual Chlorine / शेष क्लोरीन	(ppm)	0.1												
7) Iron / लौहत्व	(ppm)	0.6												
8) Nitrate / नाइट्रेट	(ppm)	0.0												
9) Fluoride / फ्लोराइड	(ppm)	0.0												
10) Phosphate / फॉस्फेट	(ppm)	0.0												
11) Ammonia / अमोनिया	(ppm)	0.1												
12) Bacterial Test / बैक्टीरियल परिक्षण	(P/A)													

Parameters	Unit	14	15	16	17	18	19	20	21	22	23	24	25	26
1) pH / पी.एच.														
2) Turbidity / मटमैलापन	(NTU)													
3) Total Hardness / कुल कठोरता (as CaCO ₃)	(mg/L)													
4) Chloride / क्लोराइड	(mg/L)													
5) Total Alkalinity / क्षारीयता (as CaCO ₃)	(mg/L)													
6) Residual Chlorine / शेष क्लोरीन	(ppm)													
7) Iron / लौहत्व	(ppm)													
8) Nitrate / नाइट्रेट	(ppm)													
9) Fluoride / फ्लोराइड	(ppm)													
10) Phosphate / फॉस्फेट	(ppm)													
11) Ammonia / अमोनिया	(ppm)													
12) Bacterial Test / बैक्टीरियल परिक्षण	(P/A)													

Analysis Done By :

सुनी देवी
बांसारुली-जलसहिया

Date: 14/06/2023
कान्ति बाला देवी
मम जल-स्वच्छता समिति
सिगापुर बाजार, डी.ए.वी.
जलसहिया

ATTESTED

Bhasan



PRINCIPAL
DAV M.A.S. Public School
Silli, Ranchi

ATTESTED

Bhushna

MANAGER
DAV M.A.S. Public School
Silli, 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: - DAV Mahatma Anand Swami Public School, AT-PO- PS-Silli, dist.- Ranchi, Jharkhand-835102 Sample No.: - 01 – Boring Water.	Sample Code: - 230518-GW-A-001 ULR NO.: - TC735123000000502P(A) Date of Issue: – 07/06/2023 Customer Reference No. : - SLR/CLR/MAY -23/047
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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: - 18/05/2023 Sample collected by: - Customer Sampling Location: - Final Outlet

Discipline: Chemical			
Test started on: -	18/05/2023	Test completed on :-	06/06/2023

Sl. No.	Test Parameter	Unit	Results	Method	Specification as per BIS - 10500:2012 (Second Revision) Amendment – June 2013	
					Acceptable Limit	Permissible Limit (In Absence of Alternate source)
1	pH	-	7.17	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	258	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	208	APHA 23 rd Ed.2017-2320 B, (Titration method)	200	600
8	Total Hardness as CaCO ₃	mg/L max	232	APHA 23 rd Ed.2017-2340 C, (EDTA Titration method)	200	600
9	Calcium as Ca	mg/L max	49.60	APHA 23 rd Ed.2017-3500 Ca B, (EDTA Titration method)	75	200
10	Magnesium as Mg	mg/L max	26.24	APHA 23 rd Ed.2017-3500-Mg B, (Calculation method)	30	100
11	Chloride as Cl	mg/L max	9.99	APHA 23 rd Ed.2017-4500 Cl ⁻ B, (Argentometric method)	250	1000
12	Fluoride as F	mg/L max	0.45	APHA 23 rd Ed.2017-4500 F ⁻ C, (Ion selective electrode method)	1.0	1.50
13	Nitrate as NO ₃	mg/L max	1.17	APHA 23 rd Ed.2017-4500 NO ₃ ⁻ B, (Ultraviolet spectrophotometric screening method)	45	No relaxation
14	Iron as Fe	mg/L max	0.03	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.

ATTESTED

Bina

PRINCIPAL
 DAV M.A.S. Public School
 Silli, Ranchi

ATTESTED



Amresh

MANAGER
 DAV M.A.S. Public School
 Silli, Ranchi

H. K.

Authorised Signatory
 Technical Manager (Technical Manager)
 State Level Water Testing Laboratory
 D.W. & S. Deott., 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: - DAV Mahatma Anand Swami Public School, AT-PO- PS-Silli, dist.- Ranchi, Jharkhand-835102 Sample No.: - 01 – Boring Water.	Sample Code: - 230518-GW-A-001 ULR NO. :- TC735123000000502P(C) Date of Issue: – 07/06/2023 Customer Reference No. :- SLR/CLR/MAY -23/047
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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: - 18/05/2023 Sample collected by: - Customer Sampling Location: - Final Outlet

Discipline: Biological

Test started on: -	18/05/2023	Test completed on :-	19/05/2023			
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	36	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 except one Parameter Total Coliform.
 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

Bharan

PRINCIPAL
 DAV M.A.S. Public School
 Silli, Ranchi

ATTESTED

Bharan



MANAGER
 DAV M.A.S. Public School
 Silli, Ranchi

For :- *Shivani Kumari*

Authorised Signatory
 (Quality Manager)
 Quality Manager
 State Level Water Testing Laboratory
 D.W. & S. Deptt.. Hinoo, 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	 TC-7351
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Issued to: - DAV Mahatma Anand Swami Public School, AT-PO- PS-Silli, dist.- Ranchi, Jharkhand-835102 Sample No.: - 01 – Boring Water.	Sample Code: - 230518-GW-A-001 ULR NO.: - TC735123000000502P(B) Date of Issue: - 07/06/2023 Customer Reference No. : - SLR/CLR/MAY -23/047
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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: - 18/05/2023 Sample collected by: - Customer Sampling Location: - Final Outlet

Discipline: Chemical - Residues in Water							
Test started on: -		18/05/2023		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)	
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.


**Authorised Signatory
(Technical Manager)**

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

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

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PRINCIPAL
 DAV M.A.S. Public School
 Silli, Ranchi

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MANAGER
 DAV M.A.S. Public School
 Silli, Ranchi