

**STATE WATER TESTING LABORATORY, R.W.S.&S. ODISHA
KHANDAGIRI, BHUBANESWAR.**

Phone – (0674) 2951880; E-mail – rwsscentrallabodisha@gmail.com

No. 451 (WB)/dt 30.04.25

To

**Gayatri Smart School,
At: Sudha Sarangi, Brahaman Suanlo,
PS: Baliana, Dist: Khordha**

Sub: Test report of water samples

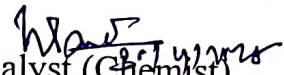
Ref: Your office letter No. Nil/ Dated /25.04.2025

Sir,

The test report of the water samples sent to this Laboratory for testing of Chemical Parameters & Bacteriological Analysis is enclosed herewith for information.

Enclosed: - As above.

Yours faithfully,


Analyst (Chemist)



State Water Testing Laboratory,
RWSS (O)Khandagiri, Bhubaneswar.

C.C. Submitted to:

- Engineer-in-Chief, RWS&S(O), Bhubaneswar for favour of kind information.
- Chief Engineer-I, RWS&S/Chief Engineer-II, RWS&S Odisha, Bhubaneswar for favour of kind information.
- Nodal Officer (WQ), State Water Testing Laboratory, RWSS (O) Khandagiri, Bhubaneswar for favour of kind information

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	WATER ANALYSIS REPORT		
	TEST REPORT NO.- SWTL-TR/631/2025/S1-S1		
	ULR - TC609425000000408F		
DATE OF ISSUE –30.04.2025		TC -6094	
Sample Particulars		Details of Sampling	
Name of the Customer :-	Gayatri Smart School, At: Sudha Sarangi, Brahman Suanlo, PS: Baliana, Dist: Khordha	Type of Source:-	Drinking Water/Tap
		Date of Sampling:-	25.04.2025
		Sample receive date: - Vide letter No.	25.04.2025 / Vide letter No.Nil / Dated/25.04.2025
		Sample Package Condition:-	Sample Registration Date:-
a) Quantity of Sample Received -1ltr		Sampling Protocol:-	Samples are not collected by this laboratory.
b) Type of Container - pp		Sample Collected by:-	Khetra Mohan Routray
		Sample Location:-	Gayatri Smart School, At: Sudha Sarangi, Brahman Suanlo, PS: Baliana, Dist: Khordha

TEST RESULT

Test Started on-		28.04.2025		Test Completed on-		28.04.2025	
Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method	
				Acceptable Limit	Permissible Limit in absence of alternate source		
1	Temperature	°C	1- 25.4	----	-----	APHA 24 th Ed 2023-2550 B [Laboratory & Field Method]	
2	pH	pH Unit	1- 7.66	6.5 to 8.5	No relaxation	APHA 24 th Ed. 4500-H ⁺ B (Electrometric Method)	
3	Elect. Conductivity	µmho/ cm	1- 63.7	---	---	APHA 24 th Ed. 2510 B (Laboratory Method)	
4	Chloride	mg/l	1- 4.0	250	1000	APHA 24 th Ed. 4500 Cl- B (Argentometric Method)	
5	Total Hardness (as CaCO ₃)	mg/l	1- 24.0	200	600	APHA 24 th Ed. 2340 C (EDTA Titration Method)	
6	Total Alkalinity (as CaCO ₃)	mg/l	1- 20.0	200	600	APHA 24 th Ed. 2320 B (Titration Method)	
7	Fluoride (as F ⁻)	mg/l	1- <0.1	1.0	1.5	APHA 24 th Ed. 4500 F -C (Ion -Selective Electrode Method)	
8	Iron	mg/l	1- 0.064	1.0	No relaxation	APHA 24 th Ed. 3500 Fe B; (Phenanthroline Method)	
9	Turbidity	NTU	1- 0.46	1.0	5.0	APHA 24 th Ed. 2130 B (Nephelometric Method)	
10	Calcium (as Ca)	mg/l	1- 8.02	75	200	APHA 24 th Ed. 3500 Ca B (EDTA Titrimetric Method)	
11	Magnesium (as Mg)	mg/l	1- 0.97	30	100	APHA 24 th Ed. 3500 Mg B (Calculation Method)	

Note :- The samples were tested with dilution.

Information on Test Report :

Results relates only to samples received in the Laboratory .

The test report shall not be reproduced except in full without written approval of SWTL .

APHA – American Public Health Association

Reviewed by

Chemist II

Analyst (Chemist) & Quality Manager,
State Water Testing Laboratory
Authorised Signatory

***** End of Report*****

30.4.25

**STATE WATER TESTING LABORATORY, R.W.S.&S., ODISHA
KHANDAGIRI, BHUBANESWAR**

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WATER ANALYSIS REPORT

TEST REPORT NO.- SWTL-TR/631/2025/S1

DATE OF ISSUE –30.04.2025

Sample Particulars		Details of Sampling	
Name of the Customer :-	Gayatri Smart School, At: Sudha Sarangi, Brahman Suanlo, PS: Baliana, Dist: Khordha	Type of Source:-	Drinking Water/Tap
		Date of Sampling:-	25.04.2025
		Sample receive date:- Vide letter No.	25.04.2025 / Vide letter No.Nil / Dated/25.04.2025
		Sample Package Condition:-	
a) Quantity of Sample Received – 1ltr		Sample Registration Date:-	25.04.2025
b) Type of Container - pp		Sampling Protocol:-	Samples are not collected by this laboratory.
		Sample Collected by:-	Khetra Mohan Routray
		Sample Location:-	Gayatri Smart School, At: Sudha Sarangi, Brahman Suanlo, PS: Baliana, Dist: Khordha

TEST RESULT

Test Started on-		28.04.2025		Test Completed on-		28.04.2025
Sl	Test Parameters	Units	Result	Requirements IS 10500 : 2012		Test Method
				Acceptable Limit	Permissible Limit in absence of alternate source	
1	Colour	Hazen/ Unit	1- 1.0	5	15	APHA 24 th Ed 2120 - B [Visual Comparison Method]
2	Odour	----	1- Agreeable	Agreeable	Agreeable	IS3025(Part 5):2018
3	Taste	----	1- Agreeable	Agreeable	Agreeable	IS3025(Part 7):2017

Bacteriological Test

Test Started on-		25.04.2025		Test Completed on-		26.04.2025
4	Total Coliform Bacteria	CFU/100ml	1- 0.00	Shall not be detectable in any 100 ml Samples		IS 15185: 2016 [MFT Method]
5	E.Coli	CFU/100ml	1- 0.00			

Note :- The samples were tested with dilution.

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APHA – American Public Health Association

Microbiologist

Reviewed by

Chemist II

***** End of Report*****

Analyst (Chemist)

State Water Testing Laboratory,
RWSS (O)Khandagiri, Bhubaneswar