

**DISTRICT WATER TESTING LABORATORY, R.W.S.&S. DIVISION PHULBANI,
KANDHAMAL**

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WATER ANALYSIS REPORT

TEST REPORT NO.- DWTLR-TR/27/2024-25/S-1
ULR - TC987823000000027 F
DATE OF ISSUE -1.10.2024



TC-9878

Sample Particulars

Details of Sampling

Name of the Customer :-
Principial ,
ST. Joseph, s English Medium
School
Shankarakhole ,Kandhamal

Type of Source: -	Drinking Water (Bore Well)
Date of Sampling: -	27.09.2024
Sample receive date: - letter No.	Vide letter No. - Nil Dated -27.09.2024
Sample Registration Date: -	27.09.2024
Sampling Protocol: -	Samples is not Collected by this laboratory
Sample Collected by: -	Staff of St.Joseph,s English Medium School ,
Sample Location: -	ST. Joseph, s English Medium School AT/PO -Shankarakhole ,Kandhamal

Sample Package Condition:-
a) Quantity of Sample Received - 500ml (Each)
b) Type of Container - pp

TEST RESULT

Test Started on-		27.09.2024		Test Completed on-		27.09.2024	
Sl.	Test Parameters	Units	Results	Requirements 84 IS 10500: 2012		Test Method	
				Acceptable Limit	Permissible Limit in absence of alternate source		

1	pH at 25.3°C	pH Unit	1- 7.28	6.5 to 8.5	No relaxation	(APHA 24 th - 4500-H ⁺ B)
2	Chloride	mg/l	1- 12.0	250	1000	Argentometric Method (APHA 24 th Ed 4500 - Cl- B)
3	Total Hardness (as CaCO ₃)	mg/l	1- 80.0	200	600	EDTA Titrimetric Method (APHA 24 th Ed 2340 C)



4	Total Alkalinity (as CaCO ₃)	mg/l	1- 96.0	200	600	Titration Method (APHA 24 th Ed. - 2320-B)
5	Iron	mg/l	1- 0.48	1.0	No relaxation	Phenanthroline Method (APHA 24 th Ed 3500 – Fe B)
6	Turbidity	NTU	1- 0.69	1.0	5.0	Nephelometric Method (APHA 24 th Ed. – 2130 B)
7	TDS	Mg/l	1- 129.24	500	2000	TDS Method (Dried at 180degrees Celsius (APHA 24 th Ed -2540)
8	Elect. Conductivity	µmho/cm	1 – 199.0	—	—	APHA 24 th Ed 2510 B (Instrumental Method)
9	Colour	CU	1- 1.0	5	15	Visual Comparison Method (APHA 24 th Ed 2120 B)
10	Odor	-----	1-Agreeable	Agreeable	Agreeable	APHA 24 TH Ed. 2150 B (Threshold order Test)
11	Taste	-----	1- Agreeable	Agreeable	Agreeable	APHA 24 TH Ed. 2160 B (Flavor Threshold Test)
12	Calcium	Mg/l	1- 19.23	75	200	APHA 24 th Ed.-3500-Ca Method B (EDTA Method)
13	Magnesium	Mg/l	1- 7.77	30	100	APHA 24 th ED-3500- Mg B (Calculation Method)
14	Temperature	°C	1- 24.9	-	-	APHA 24 th ED-2550 B Laboratory 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 DWTL

#APHA – American Public Health Association

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Name of Customer: Principal ,
ST, Joseph ,s English Medium School
Shankarakhole ,Kandhamal

Sampling Location: ST, Joseph ,s English Medium School
At/Po - Shankarakhole ,Kandhamal

Sample Collection Date : 27.09.2024
Sample Receive Date: 27.09.2024
Analysis Completed On: 28.09.2024

TEST REPORT

SI NO.	PARAMETERS	TEST METHOD	OBTAINED RESULT	Acceptable Limit	Permissible limit in absence of alternative source
14	E. coli	Colilert-18/DEXX-Quantity Tray (Enzyme Substrate Test)	1- Absent	Absent	Absent
15	Total Coliforms	do	2- Absent	Absent	Absent

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