

No- 06842 254970,



email- eerwss_plb@nic.in

**OFFICE OF THE SUPERINTENDING ENGINEER
RURAL WATER SUPPLY AND SANITATION DIVISION
PHULBANI, KANDHAMAL-762001**

Letter No. 473 // Date 21/2 /2022

To,

Office of the Principal

Kalinga Model Residential School, Raikia, Kandhamal

Subject: Chemical Testing of Water Samples


Ref: Letter No. Nil dated 09.02.2022

Sir,

With reference to the above subject, the water testing report of water sample submitted by you to this office is enclosed for your necessary action.

Enclose: -water testing report

Yours Faithfully


21/02/2022
Superintending Engineer
R.W.S&S Division Phulbani

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

MOB. –9437326269; E-mail. – laboratory.phulbani@gmail.com

WATER ANALYSIS REPORT

TEST REPORT NO.- DWTL P-TR/01/2021-22/S-1 to S-1

ULR – 9878202100000017

DATE OF ISSUE –18.02.2022



TC-9878



Sample Particulars		Details of Sampling	
Name of the Customer :-	Office of the Principal, Kalinga Model Residential School, Raikia, Kandhamal	Type of Source: -	Bore well
		Date of Sampling: -	28.01.2022
		Sample receive date: - Vide letter No.	11.02 2022 (11.00 AM) Vide letter No. – Dated –
Sample Package Condition:-		Sample Registration Date:	11.02.2022
a) Quantity of Sample Received – 500ml (Each)		Sampling Protocol: -	Samples are Collected by Sample Collector of this laboratory
b) Type of Container - pp		Sample Collected by: -	Customer
		Sample Location: -	1. Back side of administrative building 2. Front side of administrative building 3. Front side of Girls hostel

TEST RESULT

Test Started on-		14.02.2022		Test Completed on-		18.02.2022	
Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method	
				Acceptable Limit	Permissible Limit in absence of alternate source		
1	pH	pH Unit	1 6.57 2 7.23 3 6.82	6.5 to 8.5	No relaxation	Electrometric Method. (APHA 23 rd Ed 4500-H ⁺ B)	
2	Elect. Conductivity	µmho/cm	1 164.5 2 175.2 3 194.2	----	----	Instrumental Method (APHA 23 rd Ed 2510 B)	
3	Chloride	mg/l	1 20 2 24 3 20	250	1000	Argentometric Method (APHA 23 rd Ed 4500 – Cl- B)	
4	Total Hardness (as CaCO ₃)	mg/l	1 80 2 92 3 120	200	600	EDTA Titrimetric Method (APHA 23 rd Ed 2340 C)	

5	Total Alkalinity (as CaCO ₃)	mg/l	1	92	200	600	Titration Method (APHA 23 rd Ed - 2320 B)
			2	92			
			3	112			
6	Iron	mg/l	1	0.18	1.0	No relaxation	Phenanthroline Method (APHA 23 rd Ed 3500 - Fe B)
			2	0.16			
			3	3.60			
7	Turbidity	NTU	1	1.42	1.0	5.0	Nephelometric Method (APHA 23 rd Ed - 2130 B)
			2	0.50			
			3	797			
8	TDS	Mg/l	1	106.92	500	2000	TDS Method (Dried at 180 degree Celsius (APHA 23 rd Ed 4500-H* B)
			2	113.88			
			3	126.23			

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 DWTLP

#APHA – American Public Health Association

Checked & Compared by

Nehar Rajwanshi
21/02/22
TECHNICAL ASSISTANT

Technical Assistant
District Water Testing Laboratory
RWSS&S Division, Phulbani
Kandhamal

P. C. Jena
21/02/22
Lab. Chemist (TM)
District Water Testing Laboratory
RWSS Division, Phulbani, Kandhamal
Technical Manager
District Water Testing Laboratory
RWSS&S Division, Phulbani
Kandhamal

[Signature]
21/2/2022
Superintending Engineer.
RWSS&S Division, Phulbani
Superintending Engineer-Cum-CEO
District Water Testing Laboratory
RWSS&S Division, Phulbani
Kandhamal

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OFFICE OF THE SUPERINTENDING ENGINEER
RURAL WATER SUPPLY AND SANITATION DIVISION
PHULBANI, KANDHAMAL-762001

Customer Name: **Office of the Principal**

Sampling Location: 1-Back side of administrative building
2-Front side of administrative building
3-Front side of Girls hostel

Sample Collection Date: 28.01.2022

Sample Receipt Date: 09.02.2022

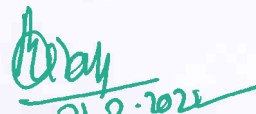
Analysis Completed On: 18.02.2022

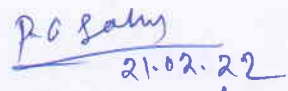
TEST REPORT

SI NO.	PARAMETERS	TEST METHOD	OBTAINED RESULT	Acceptable Limit	Permissible limit in absence of alternative source
12	Fluoride (as F) (mg/l)	Ion -Selective - Electrode Method	1. 0.82 2. 0.84 3. 0.84	1.0 mg.l	1.5 mg/l

Remarks: (I) All the parameters tested are within the permissible limit as per BIS guide line.

(II) The Sample is collected by their own convenience


21.2.2022
Superintending Engineer
R.W.S&S Division Phulbani


21.02.22
Lab Chemist
Dhe Phulbani.