



District Water Testing Laboratory
Public Health Engineering Department, Div. Raigarh
Near PHE, Central Store Campus, Chakradhar Nagar Raigarh C.G.
e-mail:- phedrghlab1990@gmail.com



TC-13241

Test Report (Drinking Water)

Report no. DL/PIIED/RGIL - 140	Discipline:- Chemical Testing	Group:- Drinking Water	ULR no. :- TC1324125000000137F
Senders Name :- Principal Academic Brights Public School, Rajghatta Kharsla, Raigarh (C.G.)	Senders letter no./Date	1217/02.05.2025	Sampled by
	Sample collection date	02.05.2025	Sampling Plan & procedure
	DL receipt no.	93	DL Receipt date
	Date of analysis started	02.05.2025	Date of analysis completed

Sample Details

S No.	Sample ID	District/Block	Panchayat/Village	Habitation	Location/Source ID/GPS Identification
1	DL/RGH-25/526	Raigarh/ Kharsla	Rajghatta	-	Campus Of Academic Brights Public School, Rajghatta

Details of parameters their test method units and specification as per IS:3025/APHA

S.No.	Parameters	Test method IS:3025/APIHA 24th ed.		unit	As per IS-10500-2012(Second Rev) for drinking water		Results				
		method	Part no.		Acceptable Limit	Permissible Limit	1	2	3	4	5
1	2	3	4	5	6	7					
1	Colour	APHA24th ed	2120-B	Hazen	5	15	2				
2	Odour	APHA24th ed	Part 5	-	Agreeable	Agreeable	Agr.				
3	TDS (Total Dissolved Solids)	APHA24th ed	Part-2540-C	mg/L	500	2000	270				
4	Chloride as Cl-	APHA24th ed	Part-4500-Cl-B	mg/L	250	1000	36.04				
5	Alkalinity as CaCO ₃	APHA24th ed	Part-3220- B	mg/L	200	600	170.34				
6	Total Hardness as CaCO ₃	APHA24th ed	Part-2340- C	mg/L	200	600	192.38				
7	Calcium as Ca ²⁺	APHA24th ed	3500- Ca- B	mg/L	75	200	45.78				
8	Magnesium as Mg ²⁺	APHA24th ed	3500- Mg-B	mg/L	30	100	18.99				
9	pH	IS:3025	Part-11	pH Scale	6.5-8.5	No Relaxation	7.1				
10	Turbidity	IS:3025	Part-10	NTU	1	5	2.81				

1. The report should not be produced partly or full without approval signatory authority of legal purpose.

2. The results refer only to tested samples and parameters.

3. Samples will be stored for a period of 10 days from date of issue of report.

4. This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.

Remarks - 1. Results apply to the sample as received.

2. Sampling not done by Lab staff.

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Tested by :- Khomnath Sahu

(Raju George)
Authorized Signatory

****End Of Report****



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Test Report (Drinking Water)

Report no. DL/PHED/RGII - 140	Discipline:- Chemical Testing	Group:- Drinking Water			
Senders Name :- Principal Academic Brights Public School, Rajghatta Kharsia, Raigarh (C.G.)	Senders letter no./Date	1217/02.05.2025	Sampled by		By Client
	Sample collection date	02.05.2025	Sampling Plan & procedure		Sampling is not done by laboratory staff
	DL receipt no.	93	DL Receipt date		02.05.2025
	Date of analysis started	02.05.2025	Date of analysis completed		03.05.2025

Sample Details

S No.	Sample ID	District/Block	Panchayat/Village	Habitation	Location/Source ID/GPS Identification
1	DL/RGII-25/526	Raigarh/ Kharsia	Rajghattn	-	Campus Of Academic Brights Public School, Rajghatta

Details of parameters their test method units and specification as per IS:3025/APHA

S. No.	Parameters	Test method IS:3025/APHA 24th ed.		unit	As per IS-10500-2012(Second Rev) for drinking water	Results					
		method	Part no.			Acceptable Limit	Permissible Limit	1	2	3	4
1	2	3	4	5	6	7					
1	Iron	APHA24th ed	3500-Fe-B	mg/L	0.3	01	0.19				
2	Nitrates	APHA24th ed	4500-NO ₃ -B	mg/L	45	45	-				
3	Fluoride	APHA24th ed	4500-F- C	mg/L	1.0	1.5	0.38				
4	Sulphate	APHA24th ed	IS:3025	mg/L	200	400	-				
5	Conductivity	IS:3025	Part- 14	μmho/cm	-	-	415				
6	Total Coliform	-	-	CFU/100ml	NIL	NIL	00 (24 Hours)				
7	Residual Chlorin	-	-	mg/L	0.2	1	-				
8	Taste	IS:3025	Part- 8	-	Agreeable	Agreeable	Agr.				

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Chemist / Lab Incharge
 District Water Testing Laboratory
 P.H.E.D. Raigarh C.G.


Lab Assistant
 District Water Testing Laboratory
 P.H.E.D. Raigarh C.G.

****End Of Report****