



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
Test Report (Drinking Water)



TC-13241

Report no. DL/PHED/RGH. - 201	Discipline:- Chemical Testing	Group:- Drinking Water	ULR no. :- TC1324125000000197F	
Senders Name :- Executive Engineer Nagar Palika Nigam Raigarh, (C.G.)	Senders letter no./Date	74/02.06.2025	Sampled by	By Client
	Sample collection date	02.06.2025	Sampling Plan & procedure	Sampling is Not done by laboratory staff
	DL receipt no.	113	DL Receipt date	02.06.2025
	Date of analysis started	02.06.2025	Date of analysis completed	03.06.2025

Sample Details

S No.	Sample ID	District/Block	Panchayat/Village	Habitation	Location/Source ID/GPS Identification
1	DL/RGH-25/787	Raigarh	Raigarh	-	Uttam International School Borewell

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	5
1	2	3	4	5	6	7					
1	Colour	APHA24th ed	2120-B	Hazen	5	15	10				
2	Odour	IS:3025	Part 5	-	Agreeable	Agreeable	Ag.				
3	TDS (Total Dissolved Solids)	APHA24th ed	Part-2540-C	mg/L	500	2000	560				
4	Chloride as Cl-	APHA24th ed	Part-4500-Cl-B	mg/L	250	1000	21.43				
5	Alkalinity as CaCO ₃	APHA24th ed	Part-3220- B	mg/L	200	600	338.67				
6	Total Hardness as CaCO ₃	APHA24th ed	Part-2340- C	mg/L	200	600	224.45				
7	Calcium as Ca ²⁺	APHA24th ed	3500- Ca- B	mg/L	75	200	86.74				
8	Magnesium as Mg ²⁺	APHA24th ed	3500- Mg-B	mg/L	30	100	1.95				
9	pH	IS:3025	Part-11	pH Scale	6.5-8.5	No Relaxation	6.66				
10	Turbidity	IS:3025	Part-10	NTU	1	5	5.22				

- The report should not be produced partly or full without approval signatory authority of legal purpose.
 - The results refer only to tested samples and parameters.
 - Samples will be stored for a period of 10 days from date of issue of report.
 - 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****

Signature
Manager
Uttam International School
Raigarh (C.G.)

Signature
Principal
Uttam International
School, Raigarh (C.G.)



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		method	Part no.		Acceptable Limit	Permissible Limit	1	2	3	4	5
1	2	3	4	5	6	7					
1	Iron	APHA24th ed	3500-Fe-B	mg/L	0.3	01	0.30				
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	0.36				
4	Sulphate	APHA24th ed	IS:3025	mg/L	200	400	-				
5	Conductivity	IS:3025	Part- 14	µmho/cm	-	-	773				
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****

Manager
Uttam International School
Raigarh (C.G.)

Principal
Uttam International
School, Raigarh (C.G.)