

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)

Report no. DL/PHED/RGH. -35	Discipline:- Chemical Testing	Group:- Drinking Water		
Senders Name :- Principal Sanskar Public School, Raigarh(C.G.)	Senders letter no./Date	Nil/07.02.2024	Sampled by	By Client
	Sample collection date	07.02.2024	Sampling Plan & procedure	Sampling is not done by laboratory staff
	DL receipt no.	21	DL Receipt date	07.02.2024
	Date of analysis started	07.02.2024	Date of analysis completed	07.02.2024


Sample Details

S No.	Sample ID	District/Block	City/Village	Habitation	Location/Source ID/GPS Identification
1	DL/RGH/LAB-24/133	Raigarh	Raigarh	Odisa Road	Drinking Water, Sanskar Public School (Borewell)

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

S. No.	Parameters	Test method IS:3025/APHA 23rd 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	APHA23rd ed	2120-B	Hazen	5	15	1				
2*	Odour	IS:3025	Part 5	-	Agreable	Agreable	Agr.				
3*	TDS (Total Dissolved Solids)	APHA23rd ed	Part-2540-C	mg/L	500	2000	420				
4*	Chloride as Cl-	APHA23rd ed	Part-4500-Cl-B	mg/L	250	1000	50.54				
5*	Alkalinity as CaCO3	APHA23rd ed	Part-3220- B	mg/L	200	600	220.73				
6*	Total Hardness as CaCO3	APHA23rd ed	Part-2340- C	mg/L	200	600	297.53				
7*	Calcium as Ca ²⁺	APHA23rd ed	3500- Ca- B	mg/L	75	200	93.29				
8*	Magnesium as Mg ²⁺	APHA23rd ed	3500- Mg-B	mg/L	30	100	15.74				
9*	Ph	IS:3025	Part-11	pH Scale	6.5-8.5	No Relaxation	7.26				
10*	Turbidity	IS:3025	Part-10	NTU	1	5	0.30				

- The report should not be produced partly or full without approval signatory authority of legal purpose.
 - It is recommended that acceptable limit is to be implemented. Values in excess of those mentioned under "acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under the "permissible" limit in the absence of alternate source in column 7 above which the sources will have to be rejected.
 - 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.


 (Raju George)
 Authorized Signatory

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

S. No.	Parameters	Test method IS:3025/APHA 23rd ed.		unit	As per IS-10500-2012(Second Rev) for drinking water		Results				
		method	Part no.		Acceptable Limit	Permissible Limit	1				
1	2	3	4	5	6	7					
1*	Iron	APHA23rd ed	3500-Fe-B	mg/L	0.3	01	0.12				
2*	Nitrates	APHA23rd ed	4500-NO ₃ ⁻ B	mg/L	45	45	-				
3*	Fluoride	APHA23rd ed	4500-F- C	mg/L	1.0	1.5	0.28				
4*	Sulphate	APHA23rd ed	IS:3025	mg/L	200	400	-				
5*	Conductivity	IS:3025	Part- 14	µmho/cm	-	-	647				
6*	Total Coliform	-	-	CFU/100ml	Nil	Nil	0 (24 Hours)				
7*	Residual Chlorin	-	-	mg/L	0.2	1	-				
8*	Test	IS:3025	Part- 8	-	Agreable	Agreable	Aggr.				

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Chemist / Lab Incharge
 District Water Testing Laboratory
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Lab Assistant
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