

**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. - 273	Discipline:- Chemical Testing	Group:- Drinking Water		
Senders name & address:-  PRINCIPAL MSP PUBLIC SCHOOL GAMGAON RAIGARH Mo. No. 9826009199	Senders letter no./Date	MSPS/2021-22/0013	Sampled by	Client
	Sample collection date	27.09.2021	Sampling Plan & procedure	Sampling not done by Lab staff
	DL receipt no.	70	DL Receipt date	27.09.2021
	Date of analysis started	27.09.2021	Date of analysis completed	28.09.2021

**Sample Details**

S.N.	Sample I.D.	District	Block	Village	Location/Source ID./GPS Identification
1.	DL/RGH/LAB-21/273	Raigarh	Raigarh	Gamgaon	MSP Public School Campus Borewell जल/नमूना अधिकृत रूप से नहीं लिया गया है अतः रिपोर्ट न्यायालयीन कार्य के लिए अनुपयुक्त

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

S.N.	Parameters	Test method		Unit	As per IS-10500-2012 drinking water		Result Of S.No.											
		IS:3025/APHA 23rd ed. method	Part no.		Accep table Limit	Permi ssible Limit	1	2	3	4	5	6						
													3	4	5	6	7	
1	Iron	APHA 23rd ed	3500 -Fe -B	mg/l.	0.3	1.0	0.10											
2	Nitrates	APHA 23rd ed	4500-NO <sub>3</sub> B	mg/l.	45	45	0.0											
3	Fluoride	APHA 23rd ed	4500-F - C	mg/l.	1.0	1.5	0.50											
4	Chloride	APHA 23rd ed	Part- 32	mg/l.	250	1000	200											
5	TDS	APHA 23rd ed	-	mg/l.	500	2000	80											
6	Alkalinity as CaCO <sub>3</sub>	APHA 23rd ed	Part-23	mg/l.	200	600	-											
7	Calcium (as Ca)	APHA 23rd ed	Part-40	mg/l.	75	200	40											
8	Magnesium (as Mg)	APHA23rd ed.	3500 Mg-B	mg/l.	30	100	10											
9	Sulphate	IS:3025	Part- 24	mg/l.	200	400	-											
10	pH	IS:3025	Part-11	PH scale	6.5-8.5	6.5-8.5	6.5											
11	Turbidity	IS:3025	Part-10	NTU	1	5	1.05											
12	Total Hardness as CaCO <sub>3</sub>	APHA 23rd ed	Part-21	mg/l.	200	600	50											
13	Spe .Conductivity	IS:3025	Part- 14	µmho/cm	-	-	160											
14	Total Coliform	-	-	CFU/100 ml	Nil	Nil	Nil											

- 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.

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

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

**Assistant Engineer**  
 P.H.E. Sub - Division  
 Raigarh (C.G.)