

District Laboratory Division Rewa
Public Health Engineering Department Rewa
ANALYSIS REPORT

Types of Sample <u>T.W.</u>	
PARTICULARS OF SENDER <u>Principal</u>	
PARTICULARS OF SAMPLE <u>Sai public school</u>	Collected/Not Collected by PHBD
Sample No.	Date
Place of collection and details of sample	
<u>(7) Sai public school Shri Mangalyam</u> <u>near Ghatam Rewa (M.P.)</u>	

PARTICULARS TO BE FILLED IN THE LABORATORY

Date of Receipt <u>02/06/2025</u>	Time of Receipt
Lab reference No.	Tested On <u>03/06/25</u>

NATURE OF STUDY - CHEMICAL & BACTERIOLOGICAL ANALYSIS

S.No.	Characteristics	Unit	As per BIS -10500, 2021 for Drinking Water		Result			
			S.N.		Sample 1	Sample 2	Sample 3	Sample 4
			Requirement (Desirable Limit)	Permissible limit in the absence of Alternate Source				

PHYSICAL TESTS

1	Temperature	Oc			22°C			
2	Turbidity	NTU	1	5.0	1.0			
3	Colour	Hazen Units	5	15	10			
4	Odour		Unobjectionable	Objectionable				

CHEMICAL TESTS

5	pH	pH Scale	6.5 to 8.5	No Relaxation	8.85			
6	Total Hardness as CaCO ₃	mg/l	200	600	248			
7	Calcium as Ca	mg/l	75	200	58.84			
8	Magnesium as Mg	mg/l	30	100	27.27			
9	Alkalinity as Ca	mg/l	200	600	97.5			
10	Chloride as Cl	mg/l	250	1000	12.49			
11	Nitrate as NO ₃	mg/l	45	45	10.5			
12	Total Dissolved S	mg/l	500	2000	510			
13	Iron	mg/l	1.0	1	0.3			
14	Sulphate as SO ₄	mg/l	200	400	18			
15	Fluoride as F	mg/l	1	1.5	0.3			
16					0.00			

BACTERIOLOGICAL TEST							
18	Residual Chloride as Cl ₂	mg/l	0.2	1.0	Nil		
19	MPN of Coliform	Per 100 ml	Nil	Nil	0.00		
20	Faecal Coliform	Per 100 ml					

Note:- The figures indicated under the column "Requirement (Desirable Limit)" the limit upto which water is generally acceptable to the consumers, Figures in excess of those mentioned under "Requirement (Desirable Limit)" the water not acceptable, but still may be tolerated in the absence of an alternative and better source but upto the limits indicated under column "Permissible limit in the absence of Alternate Source" above which the source will have to be rejected (Guideline values for Drinking water as Per BIS 10500)

for APM
Signature of Analyst
Remarks if any.

G.V.P.
Chemist
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S. S. Singh
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