

Government of Tripura
District Level Laboratory at Sarkatilla, Bishalgarh
Under DWS Sub-Division, Bishramganj
Sepahijala, Tripura.

REPORT ON PHYSICAL & CHEMICAL ANALYSIS OF WATER SAMPLE

Source of sample:-

Office tilla. H.S. School.

Date of collection:-

9/12/22

Date of Testing:-

12/12/22

No of Parameters	Description of test	Result	Desired limit	Permissible limit	Remark
1	Temperature in ° C				BDL means Below Detection Level
2	Physical appearance	<i>Slight Hazy</i>	Unobjectionable	Unobjectionable	
3	Colour in Hazen unit		05	25	
4	Turbidity in NTU	<i>16</i>	05	10	
5	Taste & Odour		Agreeable	Agreeable	
6	Ph-value	<i>6.98</i>	6.5 to 8.5	No relaxation	
7	Total Alkalinity in mg/1 as CaCO ₃		200	600	
8	Total Hardness in mg/1 as CaCO ₃	<i>52</i>	300	600	
9	Total Iron in mg/1 as Fe	<i>2.742</i>	0.3	1	
10	Chloride in mg/1 as Cl	<i>16</i>	250	100	
11	Total Solid in mg/1		2000	No relaxation	
12	Total Dissolved Solid in mg/1		500	No relaxation	
13	Total suspended Solid in mg/1		05	No relaxation	
14	Residual Chlorine as Cl in mg/1		0.2	No relaxation	
15	Nitrate in mg/1 as NO ₃ .N		45	100	
16	Arsenic in mg/1 as AS		0.05	No relaxation	
17	Sulphate in mg/1 as SO ₄		200	400	
18	Calcium in mg/1 as Ca		75	200	
19	Magnesium in mg/1 as Mg		30	150	
20	Electrical Conductivity in us		0	0	
21	Total Fluoride in mg/1 as F		1	1.5	
22	Total Acidity in mg/1		<12	No relaxation	
23	Free Carbon dioxide in mg/1		10	No relaxation	
24	Dissolved Oxygen in mg/1		06 or >06	No relaxation	
25	C.O.D. IN mg/1		0	0	
26	B.O.D in mg/1 (5 days in 20° C)		0	0	
27	Total Coliform count MPN/100 ml		0(zero)no/100ml	10(ten)No/100ml	
28	Feacal Coliform MPN/100ML		0(zero)no/100ml	10(ten)No/100ml	

Analyzed by:-

Bob. 12/12/22

Sr. Research Assistant
District Level Laboratory Sarkatilla, Bishalgarh
Sepahijala, Tripura

Assistant Engineer

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