GOVERNMENT OF TRIPURA
SUB -DIVISIONAL WATER TESTING LABORATORY
DWS SUB-DIVISION AMARPUR
AMARPUR, GOMATI TRIPURA

REPORT ON PHYSICAL, CHEMICAL & BACTERIOLOGICAL ANALYSIS OF WATER SAMPLE

Source of Sample :- Water Testing Report of Silachari H/S School under DWS Sub-Division Karbook.
Date of collection ;- 27/08/2026
Date of Receipt of Sample: - 27/08/2026 (Claer Water)
Date of testing :- 28/08/2026

Sl.No	Description of test	Result.	Desired limit	Permissible limit.	Remarks
1)	Temperature in ^{O}C	35^{O}C	-	-	
2)	Physical appearance	clear	-----	------	
3)	Colour in Hazen unit	-----	5	25	
4)	Turbidity in NTU	0.7 NTU	0.1 NTU	1.00 NTU	
5)	Taste & Odour	Agreeable No Objection	Agreeable	Agreeable	
6)	**pH-Value**	**5.7**	**6.5 to 8.5**	**No relaxation**	
7)	Total Alkalinity in mg/l as $CaCO_3$	20.0 mg/l	200 mg/l	600 mg/l	
8)	Total Hardness in mg/l as $CaCO_3$	36.0 mg/l	300 mg/l	600 mg/l	
9)	Total Iron in mg/l as Fe	0.5 mg/l	0.1 mg/l	1.0 mg/l	
10)	Chloride in mg/l as Cl	18.0 mg/l	250 mg/l	1000 mg/l	
11)	Total Solid in mg/l	-	2000	No relaxation	
12)	Total Dissolved Solid in mg/l(TDS)	24.3 mg/l	500	No relaxation	
13)	Total Suspended Solid in mg/l	-	05	No relaxation	
14)	Residual Chlorine as Cl in mg/l	------	0.2	No relaxation	
15)	Nitrate in mg/l asNO_3-N	------	45	100	
16)	Arsenic in mg/l as As	------	0.05	No relaxation	
17)	Sulphate in mg/l as SO_4	------	200	400	
18)	Calcium in mg/l as Ca	7.2 mg/l	75	200	
19)	Magnesium in mg/l asMg	4.374 mg/l	30	150	
20)	Electrical Conductivity in µs	-----	-	-	
21)	Total Fluoride in mg/l as F	-------	1.0	1.5	
22)	Total Acidity in mg/l	-----	<12	No relaxation	
23)	Dissolve Oxygen in mg/l	----	06 or>06	No relaxation	
24)	*Total M.P.N. of Coliform/100 ml*	0(Zero)	*For Coliform organism: - 0(Zero)no./100ml*	No relaxation	
25)	*Total M.P.N. of Facal Coliform/100 ml*	------	*For Fecal Coliform Organism: - 0(Zero)no./100ml*	No relaxation	

Analysis by:-

28/08/26
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28/08/26
In-Charge
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28/8/2026
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