

GOVERNMENT OF TRIPURA
SUB-DIVISIONAL LEVEL WATER TESTING LABORATORY AT MANU
DHALAI TRIPURA

NABL Recognised certificate No.NABL-DWT-01076

No.F.6(5)/AE/DWS/MNU/2026-27/ 243

Date:- 03 / 09 /2026

REPORT ON PHYSICAL & CHEMICAL ANALYSIS OF WATER SAMPLE

Name of source: Tap Water from Chailengta Govt.English Medium HS School (New Building)

Name of Block:-Manu.

Name of V/C:-South Chailengta

Location Latitude:-23.952916°

Location Longitude:-92.000292°

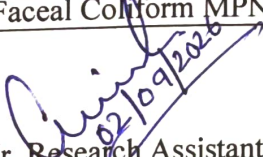
Date of collection :-01-09-2026.

Date of received:- 01-09-2026.

Date of testing:- 02-09-2026.

Sample Supplied by:-Principal, Chailengta Govt. English Medium HS School LTV, Dhalai Tripura.

SL NO	DESCRIPTION OF TESTS	RESULTS	PERMISSIBLE LIMIT (As Per BIS 10500 : 2012)	REMARKS
1.	Physical appearance	Clear	Clear	
2.	Colour in Hazen unit	Nil	5	
3.	Turbidity in NTU	0.09	<5	
4.	Taste & Odour if any	Aggreable	Unobjectionable / Agreeable	
5.	pH-Value	6.60	6.5 to 8.5	
6.	Total Alkalinity in mg/l	68	600	
7.	Total Hardness in mg/l as CaCO ₃	32	600	
8.	Total Iron in mg/l as Fe	0.164	1.0	
9.	Total Dissolved Solid(TDS) in mg/l	12	2000	
10.	Residual Chlorine in mg/l	Not found	1.0	
11.	Calcium in mg/l as Ca	-	200	
12.	Magnesium in mg/l as Mg	-	100	
13.	Zing in mg/l as Zn	-	15	
14.	Chloride in mg/l as Cl	-	1000	
15.	Arsenic in mg/l as As	-	0.05	
16.	Sulphate in mg/l as SO ₄	-	400	
17.	Fluoride in mg/l as F	-	1.5	
18.	Nitrate in mg/l as NO ₃	-	45	
19.	Cromium in mg/l as Cr	-	0.05	
20.	Copper in mg/l as Cu	-	1.5	
21.	Total Coliform MPN/100ml	-	0	
22.	Faceal Coliform MPN/100ml	-	0	


Jr. Research Assistant
Sub-Divisional Laboratory Manu
Dhalai Tripura.


Assistant Engineer
DWS Sub-Division, Manu
Dhalai Tripura.
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LTV, Dhalai Tripura.

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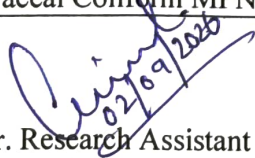
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SL NO	DESCRIPTION OF TESTS	RESULTS	PERMISSIBLE LIMIT (As Per BIS 10500 : 2012)	REMARKS
1.	Physical appearance	Clear	Clear	
2.	Colour in Hazen unit	Nil	5	
3.	Turbidity in NTU	1.23	<5	
4.	Taste & Odour if any	Aggreable	Unobjectionable / Agreeable	
5.	pH-Value	6.80	6.5 to 8.5	
6.	Total Alkalinity in mg/l	84	600	
7.	Total Hardness in mg/l as CaCO ₃	52	600	
8.	Total Iron in mg/l as Fe	0.281	1.0	
9.	Total Dissolved Solid(TDS) in mg/l	33	2000	
10.	Residual Chlorine in mg/l	Not found	1.0	
11.	Calcium in mg/l as Ca	-	200	
12.	Magnesium in mg/l as Mg	-	100	
13.	Zinc in mg/l as Zn	-	15	
14.	Chloride in mg/l as Cl	-	1000	
15.	Arsenic in mg/l as As	-	0.05	
16.	Sulphate in mg/l as SO ₄	-	400	
17.	Fluoride in mg/l as F	-	1.5	
18.	Nitrate in mg/l as NO ₃	-	45	
19.	Cromium in mg/l as Cr	-	0.05	
20.	Copper in mg/l as Cu	-	1.5	
21.	Total Coliform MPN/100ml	-	0	
22.	Faceal Coliform MPN/100ml	-	0	


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