



GOVERNMENT OF TRIPURA
SUBDIVISION LEVEL WATER TESTING LABORATORY
NABL Recognized, Certificate No : NABL - DWT - 01018
DRINKING WATER AND SANITATION, KANCHANPUR
NORTH TRIPURA
2026 - 27

SAMPLE SPECIFICATION SDLWTL/BAC/CHEM/KCP/OTH/ 47	Source of Sample : Filtered Water Owner : SANTI MENSION INSTITUTE G.P/V.C : Kanchanpur Habitation : Kanchanpur Block : Laljuri Dt. Of Sample Collection : 29.05.2026 Dt. Of Receive : 29.05.2026 Dt. Of Test : 01.06.2026
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SL. NO.	TESTED PARAMETER	CALCULATION		PERMISSIBLE LIMIT AS PER BIS IN (mg/L)	RESULT	REMARKS
01	Temperature in (°C)			25° C	25° C	
02	Colour in(Hazen Unit)			25 Hz	< 5 Hz	
03	Odour			No Relaxation	Un-Objectionable	
04	PH			No Relaxation	7.43	
05	Turbidity in (NTU)			No Relaxation	0.04	
06	Total Alkalinity in (mg/L as CaCO ₃)	$\frac{B.R. \times N \times 50 \times 1000}{\text{ml of sample}}$	B.R. = 1.4 N = .02 SAMPLE = 50 ml	600	28	
07	Total Hardness in (mg/L as CaCO ₃)	$\frac{B.R. \times 1000}{\text{ml of sample}}$	B.R. = 3.6 SAMPLE = 50 ml	600	72	
08	Iron in (mg/L)			No Relaxation	0.109	
09	Chloride in (mg/L)	$\frac{B.R. \times 0.0141 \times 35450}{\text{ml of sample}}$	B.R. = 1.6 SAMPLE = 100 ml	1000	7.99	
10	Residual Chlorine in (mg/L)			1.0	0.0	
11	Calcium in (mg/L)	$\frac{\text{ml of EDTA} \times N \times 40.08 \times 1000}{\text{ml of sample}}$	N = .01, SAMPLE = 25 ml EDTA = 2.6 ml	200	41.68	
12	Magnesium in (mg/L)	[Total Hardness - Ca] X 0.243	Total Hardness = 72 mg/L Calcium = 41.68 mg/L	100	7.36	
13	Electrical Conductivity in (µs /cm)				136 µs	
14	Total Dissolve Solid in (mg/L)	$\frac{\text{weight of Dry Sample Dish} - \text{weight of empty Dish} \times 1000}{\text{ml of sample}}$	SAMPLE = 50 ml	2000	132.14	

04. Reference :- APHA 23rd Edition 4500- H* B
 05. Reference :- APHA 23rd Edition 2130 B
 06. Reference :- APHA 23rd Edition 2320 B

08. Reference :- APHA 23rd Edition 3500 Fe- B
 09. Reference :- APHA 23rd Edition 4500- Cl B
 11 - 12. Reference :- APHA 23rd Edition 2340 C, 3500- Ca B, 3500- Mg B

07. Reference :- APHA 23rd Edition 2340 C

14. Reference :- APHA 23rd Edition 2540 C

Jr. / Sr. Research Assistant
 PWD(DWS) Sub-Division Kanchanpur
 North Tripura

for Assistant Engineer
 PWD(DWS) Sub-Division Kanchanpur
 North Tripura





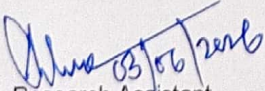
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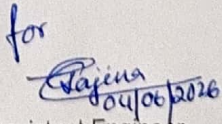
Date : 03.06.2026

REPORT ON BACTERIOLOGICAL ANALYSIS OF SUPPLIED WATER SAMPLE

SAMPLE SPECIFICATION SDLWTL/BAC/CHEM/KCP/OTH/ 48	Source of Sample	: Filtered Water
	Owner	: SANTI MENSION INSTITUTE
	G.P/V.C	: Kanchanpur
	Habitation	: Kanchanpur
	Block	: Laljuri
	Dt. Of Sample Collection	: 29.05.2026
	Dt. Of Receive	: 29.05.2026
	Dt. Of Test	: 03.06.2026

Tested Parameter	Acceptable Limit	Permissible Limit	Result	Remarks
Total Coliform	< 2	< 2	0.0	
Fecal Coliform	< 2	< 2		


Jr./Sr. Research Assistant
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for

Assistant Engineer
PWD(DWS) Sub-Division Kanchanpur
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