

ANNUAL AVERAGE READING OF WATER QUALITY DATA UNDER NWMP, MIZORAM FOR THE YEAR 2010

Sl. No	Parameter	Method Used	Unit	RESULT : River Tlawng, Upstream, Aizawl	RESULT : River Tlawng, Downstream, Aizawl	RESULT: River Tuirial, Upstream, Aizawl	RESULT: River Tuirial, Downstream, Aizawl	RESULT: Ramhlun North Tuikhur, Aizawl	RESULT : Mission Vengthlang Tuikhur, Aizawl
1.	Velocity of Flow	Float Method	m/s	1.43	1.26	0.86	1.23	N/A	N/A
2.	Water Temperature	Thermometric Method	°C	22.25	22.25	25.25	23.25	20	19.75
3	Dissolved Oxygen	Iodometric Method	mg/L	6.55	6.75	6.77	6.38	4.65	3.55
4	pH	Electrometric Method		7.28	7.2	6.95	6.73	6.15	5.6
5	Conductivity	Conductometric Method	µs/cm	210	219.75	317	323	87.75	130.25
6	Biochemical Oxygen Demand	Dilution Method	mg/L	1.33	1.45	1.53	1.38	2.2	2.4
7	Nitrogen-Nitrite (N-NO ₂)	Calorimetric Method (Diazotization Method)	mg/L	0.139	0.117	0.127	0.122	0.18	0.15
8	Total Coliform	Multiple Tube Dilution Technique	MPN	121	48.5	22.25	102.5	112.5	85.75
9	Faecal Coliform	Multiple Tube Dilution Technique	MPN	4.25	0	4.08	9.5	15.75	11.5
10	Turbidity	Turbimetric Method	NTU	6.25	10	12	13	0.5	1.75
11	Alkalinity	Visual Titration	mg/L	66.55	64.65	62.75	78.9	38.23	111.8
12	Chloride	Argentometric titration	mg/L	8.125	8.675	12	86.8	62.95	65.47
13	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/L	0.97	0.84	0.59	0.72	0.3	0.75
14	Total hardness as CaCO ₃	Complexometric Titration	mg/L	52.5	69.5	59	55	89.5	142.5
15.	Calcium	Complexometric Titration	mg/L	10.8	15.2	12.6	11.2	19.2	34.5
16	Magnesium	Calculation Method	mg/L	9.575	7.53	6.55	6.45	10.13	14.35

17	Sodium	Flame Photometric method	mg/L	19.13	26.38	32.38	23.88	39.88	31
18	Total Dissolved Solids	Gravimetric Method	mg/L	110	107.5	77.5	72.5	172.5	70
19	Total Suspended Solids	-----do-----	mg/L	265	265	730	862.5	72.5	32.5
20	Phosphate, PO ₄ ³⁻	Calorimetric Method (Stannous Chloride Reduction Method)	mg/L	0.39	0.362	0.21	0.26	0.19	0.29

(Source: Mizoram Pollution Control Board)