

ANNUAL AVERAGE READING OF WATER QUALITY DATA UNDER NWMP, MIZORAM FOR THE YEAR 2007

Sl. No	Parameter	Method Used	Unit	River Tlawng, Upstream, Aizawl	River Tlawng, Downstream, Aizawl	River Tuirial, Upstream, Aizawl	River Tuirial, Downstream, Aizawl	Ramhlun North Tuikhur, Aizawl	Mission Vengthlang Tuikhur, Aizawl
1	Velocity of Flow	Float Method		1.175	1.2	0.95	1.15	0	0
2	Water Temperature	Thermometric Method	°C	24.75	25	23.725	23.76	22	20
3	Dissolved Oxygen	Iodometric Method	mg/l	6.525	7.17	6.825	7.175	6.23	3.79
4	pH	Electrometric Method		7.8	7.80	7.95	7.83	6.424	5.119
5	Conductivity	Conductometric Method	µs/cm	123.75	155.25	187	183.5	403	579
6	Biochemical Oxygen Demand	Dilution Method	mg/l	0.42	0.74	0.4675	0.44	0.85	1.025
7	Nitrogen-Nitrite (N-NO ₃)	Calorimetric Method (Diazotization Method)	mg/l	0.055	0.08	0.06	0.077	0.122	0.076
8	Total Coliform	Multiple Tube Dilution Technique	MPN	3.6	3.6	7	4.5	3.58	3.5
9	Alkalinity	Visual Titration	mg/l	53.71	56.73	73.21	64.29	30.45	93.2
10	Turbidity	Turbimetric Method	NTU	21.25	0	5.23	9.26	0	0
11	Chloride	Argentometric titration	mg/l	11.77	12.32	14.79	13.97	60.79	89.95
12	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/l	0.082	0.266	0.516	0.06	0.077	0.054
13	Total hardness as CaCO ₃	Complexometric Titration	mg/l	73.5	68.65	62.5	48.3	93.3	191.15
14	Calcium	Complexometric Titration	mg/l	11.8	12.4	12	9.8	16.26	41.8
15.	Magnesium	Calculation Method	mg/l	10.48	9.05	7.775	8.48	7.83	20.75
16	Total Dissolved Solids	Gravimetric Method	mg/l	105	153.5	0.102	190	297	398.5
17	Total Suspended Solids	-----do-----	mg/l	137	111.25	111.75	151	156	166.25
18	Phosphate, PO ₄ ³⁻	Calorimetric Method (Stannous Chloride Reduction Method)	mg/l	0.166	0.081	0.102	0.085	0.272	0.33

(Source: Mizoram Pollution Control Board)