

**ANNUAL AVERAGE READING OF WATER QUALITY DATA UNDER NWMP, MIZORAM FOR THE YEAR 2008**

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	m/s	0.53	1.73	1.86	1.66	NA	NA
2	Water Temperature	Thermometric Method	°C	27.16	27.56	19.17	26.06	21.27	21.5
3	Dissolved Oxygen	Iodometric Method	mg/l	6.69	6.66	6.2	6.6	4.47	4.57
4	pH	Electrometric Method		7.88	7.85	8.11	8	6.66	6.34
5	Conductivity	Conductometric Method	µs/cm	115.66	124.33	145	195.67	435.3	565
6	Biochemical Oxygen Demand	Dilution Method	mg/l	0.766	1.07	49.5	1.167	1.374	1.77
7	Nitrogen-Nitrite (N-NO <sub>2</sub> )	Calorimetric Method (Diazotization Method)	mg/l	0.128	0.19	0.124	0.128	0.17	0.204
8	Total Coliform	Multiple Tube Dilution Technique	MPN	3.2	3	5.93	9.83	0.09	13.77
9	Alkalinity	Visual Titration	mg/l	59.2	68.43	67.4	67.93	43.97	94.7
10	Turbidity	Turbimetric Method	NTU	10	12	30.37	31.57	1	1
11	Chloride	Argentometric titration	mg/l	14.5	43.5	15.93	12.13	51.07	51.1
12	Nitrogen Ammonia (N-NH <sub>3</sub> )	Calorimetric Method	mg/l	0.138	0.093	0.28	0.197	0.51	0.029
13	Total hardness as CaCO <sub>3</sub>	Complexometric Titration	mg/l	60	59.3	88.66	85.33	132.67	126
14	Calcium	Complexometric Titration	mg/l	9.33	9.87	9.33	11.7	15.2	22.4
15.	Magnesium	Calculation Method	mg/l	8.8	8.33	16.13	13.83	22.7	16.77
16	Total Dissolved Solids	Gravimetric Method	mg/l	92	100.33	112.83	173	359	451
17	Total Suspended Solids	-----do-----	mg/l	57.66	52.33	84.33	120.67	103.67	127
18	Phosphate, PO <sub>4</sub> <sup>3-</sup>	Calorimetric Method (Stannous Chloride Reduction Method)	mg/l	0.05	0.014	0.080	0.075	0.015	0.163

**(Source: Mizoram Pollution Control Board)**