ANNUAL AVERAGE READING OF WATER QUALITY DATA UNDER NWMP, MIZORAM FOR THE YEAR 2009

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	1.5	1.8	1.175	0.95	7.82	7.825
2	Water Temperature	Thermometric Method	^{o}C	20.7	25	25.75	25.5	22	22.25
3	Dissolved Oxygen	Iodometric Method	mg/l	7.4	7.5	8.1	7.925	4.875	4.05
4	pH	Electrometric Method		7.75	7.8	7.75	7.5	6.825	6.375
5	Conductivity	Conductometric Method	µs/cm	271.5	327.25	364.5	349.75	332.25	321
6	Biochemical Oxygen Demand	Dilution Method	mg/l	0.9	1.15	1.3	1.775	2.35	2.175
7	Nitrogen-Nitrite ($N\text{-}NO_2$)	Calorimetric Method (Diazotization Method)	mg/l	0.156	0.177	0.148	0.159	0.197	0.178
8	Total Coliform	Multiple Tube Dilution Technique	MPN	295.4	55.75	32.827	90	286.5	634.25
9	Faecal Coliform	Multiple Tube Dilution Technique	MPN	4.025	0	6.5	9.65	3.5	0.21
10	Alkalinity	Visual Titration	mg/l	73.95	104.125	93.925	9.525	28.5	106.92
11	Turbidity	Turbimetric Method	NTU	2.45	2.025	8.5	5.75	0	25.737
12	Chloride	Argentometric titration	mg/l	8.15	20.65	21.3	20.6	63.15	80
13	Nitrogen Ammonia ($N\text{-}NH_3$)	Calorimetric Method	mg/l	1.95	0.618	0.431	0.20175	0.099	0.624
14	Total hardness as $CaCO_3$	Complexometric Titration	mg/l	59	66.5	75	70	71	146.5
15	Calcium	Complexometric Titration	mg/l	10.4	12.6	12.2	12.8	13	33.2
16	Magnesium	Calculation Method	mg/l	7.87	8.375	10.65	9.075	8.57	15.2
17	Total Dissolved Solids	Gravimetric Method	mg/l	237.5	392.75	244.5	239.75	316.25	392.75
18	Total Suspended Solids	-----do-----	mg/l	165	160	90	157.5	155	245
19	Phosphate,PO_4^{3-}	Calorimetric Method (Stannous Chloride Reduction Method)	mg/l	0.258	0.244	50.068	9.65	0.1647	0.21
20	Sodium	Flame Photometric method	mg/L	19.25	15.875	33	23.875	40.897	61.24

(Source: Mizoram Pollution Control Board)