

ANNUAL AVERAGE READING OF WATER QUALITY DATA UNDER NWMP, MIZORAM FOR THE YEAR 2012

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
				2050	2051	2052	2053	2054	2055
1	Velocity	Float Method	m/s	1.25	1.24	1.06	1.19	N/A	N/A
2	Temperature	Thermometric Method	°C	23.58	23.58	23.58	23.58	20.5	18.83
3	D.O	Iodometric Method	mg/L	6.54	6.33	6.5	6.93	5.18	1.91
4	pH	Electrometric Method	-	7.41	7.5	7.17	6.95	6.44	7.08
5	Conductivity	Conductometric Method	µs/cm	297.63	287.23	375.96	349.28	311.25	321.08
6	BOD	Dilution Method	mg/L	0.88	0.83	1.13	1.13	0.97	0.68
7	N-NO ₂	Calorimetric Method	mg/L	0.132	0.141	0.171	0.185	0.145	0.255
8	Total Coliform	MTD Technique	MPN	438.18	204.05	622.68	508.75	331.42	624.75
9	Faecal Coliform	MTD Technique	MPN	20.72	5.38	33.79	35.12	30.6	23.28
10	Turbidity	Turbimetric Method	NTU	56.84	56.73	62.26	58.18	34.57	194.15
11	Alkalinity	Visual Titration	mg/L	8.25	10.58	10	11	0.5	0.83
12	Chloride	Argentometric titration	mg/L	15.35	10.46	10.09	15.88	51.01	75.23
13	N-NH ₃	Calorimetric Method	mg/L	1.309	0.964	1.692	1.635	0.684	3.011
14	Total hardness	Complexometric Titration	mg/L	45.57	51.5	44.5	45.17	93.33	170.33
15	Calcium	Complexometric Titration	mg/L	12.13	12.73	9.6	9.93	27.33	47.8
16	Magnesium	Calculation Method	mg/L	4.83	4.68	4.84	4.85	5.57	12.17
17	Sodium	Flame Photometric method	mg/L	122.5	127.5	126.67	128.33	110.67	97.5
18	TDS	Gravimetric Method	mg/L	58.33	70	100.83	110.83	42.5	53.33
19	TSS	-----do-----	mg/L	0.201	0.223	0.386	0.362	0.249	0.771
20	Phosphate, PO ₄ ³⁻	Calorimetric Method	mg/L	27.63	30.92	32.5	34.92	61.29	76.83

(Source: Mizoram Pollution Control Board)