

ANNUAL AVERAGE READING OF WATER QUALITY DATA UNDER NWMP, MIZORAM FOR THE YEAR 2013

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	0.6	0.62	0.88	0.85	0	0
2.	Temperature	Thermometric Method	°C	23.58	23.75	23.58	23.5	19.5	19.33
3	D.O	Iodometric Method	mg/L	7.1	6.98	7.07	6.98	4.85	2.64
4	pH	Electrometric Method	-	7.5	7.61	7.88	7.82	6.63	7.53
5	Conductivity	Conductometric Method	µs/cm	189.08	196.83	229.28	174.15	164.23	218.88
6	BOD	Dilution Method	mg/L	1.9	1.79	1.58	1.79	1.27	0.83
7	N-NO ₂	Calorimetric Method	mg/L	0.144	0.129	0.136	0.125	0.121	0.171
8	Turbidity	Turbimetric Method	NTU	63.69	65.85	67.65	65.66	41.28	164.63
9	Alkalinity	Visual Titration	mg/L	0.4	0.42	0.5	0.33	0.0	17.1
10	Chloride	Argentometric titration	mg/L	17.3	26.47	10.66	9.95	31.09	62.141
11	N-NH ₃	Calorimetric Method	mg/L	1.905	1.96	2.179	1.813	1.519	2.375
12	Total hardness	Complexometric Titration	mg/L	53.17	53	55	58.36	70.83	155.4
13	Calcium	Complexometric Titration	mg/L	12.8	12.27	13	14.75	17.53	40.16
14	Magnesium	Calculation Method	mg/L	5.04	5.31	5.75	5.77	6.46	11.18
15	Sodium	Flame Photometric method	mg/L	129.17	153.33	142.5	169.09	95	100
16	TDS	Gravimetric Method	mg/L	66.25	73.33	75	79.09	47.5	50.059
17	TSS	-----do-----	mg/L	0.247	0.266	0.383	0.239	0.286	17.197
18	Phosphate, PO ₄ ³⁻	Calorimetric Method	mg/L	46.5	38.3	45.3	50.13	39.4	86.2

(Source: Mizoram Pollution Control Board)