

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: FEBRUARY, 2014**

Sl. No.	PARAMETER	RESULT					
		STATION CODE: 2050 Tlawng Upper Stream	STATION CODE: 2051 Tlawng Lower Stream	STATION CODE: 2052 Tuirial Upper Stream	STATION CODE: 2053 Tuirial Lower Stream	STATION CODE: 2054 Ramhlun North	STATION CODE: 2055 Mission Vengthlang
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body	1 meter	1.2 meter	0.3 meter	0.5 meter	0.5 meter	1.2 meter
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	pale yellow
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.4 m/s	0.4 m/s	0.5 m/s	0.8 m/s	N/A	N/A
6	Water Temperature	19°C	19°C	19°C	19°C	16°C	14°C
7	Dissolved Oxygen	7.2 mg/L	6.7 mg/L	7.0 mg/L	6.8 mg/L	5.1 mg/L	2.4 mg/L
8	Major polluting sources	Agriculture	Agriculture	Agriculture	Agriculture	Domestic	Domestic
9	Used of water at or in down stream of monitoring stations	Used as public water supply	Water treatment plant located near the station	-	-	Washing	Washing

CORE PARAMETERS

10	pH	8.22	7.75	7.65	7.35	8.34	7.25
11	Conductivity	246 us/cm	257 us/cm	301 us/cm	342 us/cm	378 us/cm	401 us/cm
12	Biochemical Oxygen Demand	1.4 mg/L	1.2 mg/L	1.5 mg/L	1.5 mg/L	1.1 mg/L	1.0 mg/L
13	Nitrogen- Nitrite (N-NO ₂)	0.132 mg/L	0.137 mg/L	0.172 mg/L	0.014 mg/L	0.121 mg/L	0.145 mg/L
14	Faecal Coliform	0	3.6	0	0	11	16
15	Total Coliform	20	15	15	21	75	150

GENERAL PARAMETERS

16	Turbidity	0.0 NTU	0.0 NTU	0 NTU	0 NTU	0 NTU	0 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	77.4 mg/L	89.4 mg/L	65.3 mg/L	68.8 mg/L	91.1 mg/L	206.4 mg/L
18	Chloride	7.5 mg/L	9.1 mg/L	6.8 mg/L	7.5 mg/L	3.7 mg/L	79.6 mg/L
19	Nitrogen Ammonia (N-NH ₃)	0.688 mg/L	0.764 mg/L	0.752 mg/L	0.760 mg/L	0.730 mg/L	3.587 mg/L
20	Total hardness as CaCO ₃	60 mg/L	70 mg/L	80 mg/L	50 mg/L	80 mg/L	186 mg/L
21	Calcium	14.4 mg/L	16.8 mg/L	21.6 mg/L	10.4 mg/L	20 mg/L	56.8 mg/L
22	Magnesium	5.7 mg/L	6.7 mg/L	8.6 mg/L	5.7 mg/L	7.2 mg/L	10.5 mg/L
23	Sodium	NA	NA	NA	NA	NA	NA
24	Total Dissolved Solids	140 mg/L	160 mg/L	180 mg/L	210 mg/L	130 mg/L	190 mg/L
25	Total Suspended Solids	70 mg/L	60 mg/L	70 mg/L	120 mg/L	60 mg/L	90 mg/L
26	Phosphate, PO ₄ ³⁻	0.092 mg/L	0.144 mg/L	0.099 mg/L	0.116 mg/L	0.103 mg/L	0.135 mg/L