

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: MAY, 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	1.5 meter	2 meter	0.3 meter	0.3 meter	1 meter	1.2 meter
3	Colour	Pale Yellow	Pale Yellow	Pale Yellow	Pale Yellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.5 m/s	0.6 m/s	0.5 m/s	0.5 m/s	N/A	N/A
6	Water Temperature	28°C	28°C	27°C	27°C	21°C	20°C
7	Dissolved Oxygen	7.8 mg/L	8.0 mg/L	6.9 mg/L	6.6 mg/L	4.2 mg/L	2.3 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	7	7	6	6	6	7
11	Conductivity	767 us/cm	776 us/cm	252 us/cm	293 us/cm	284 us/cm	472 us/cm
12	Biochemical Oxygen Demand	1.5	1.6	1.6 mg/L	1.5 mg/L	1.2 mg/L	0.9
13	Nitrogen- Nitrite (N-NO ₂)	0.120 mg/L	0.114 mg/L	0.148 mg/L	0.123 mg/L	0.128 mg/L	0.162 mg/L
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

GENERAL PARAMETERS

16	Turbidity	0 NTU	0 NTU	1NTU	1 NTU	0 NTU	0 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	59.5 mg/L	62.9 mg/L	39.1 mg/L	34 mg/L	42.5 mg/L	195.5 mg/L
18	Chloride	7.5 mg/L	9.1 mg/L	7.5	5.3 mg/L	68.2 mg/L	94.8 mg/L
19	Nitrogen Ammonia (N-NH ₃)	0.524 mg/L	0.460 mg/L	0.551 mg/L	0.274 mg/L	0.593 mg/L	0.619 mg/L
20	Total hardness as CaCO ₃	40 mg/L	46 mg/L	56 mg/L	30 mg/L	148 mg/L	186 mg/L
21	Calcium	8.8 mg/L	9.6 mg/L	12.8 mg/L	5.6 mg/L	46.4 mg/L	57.6 mg/L
22	Magnesium	4.3 mg/L	5.2 mg/L	5.7 mg/L	3.8 mg/L	7.6 mg/L	10.0 mg/L
23	Sodium	NA	NA	NA	NA	NA	NA
24	Total Dissolved Solids	150 mg/L	170 mg/L	190 mg/L	160 mg/L	110 mg/L	120 mg/L
25	Total Suspended Solids	80 mg/L	90 mg/L	90 mg/L	70 mg/L	50 mg/L	70 mg/L
26	Phosphate, PO ₄ ³⁻	0.157 mg/L	0.135 mg/L	0.175 mg/L	0.118 mg/L	0.102 mg/L	0.089 mg/L