

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: MAY, 2013**

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	Rainy	Rainy	Rainy	Rainy	Rainy	Rainy
2	Depth of water body	0.4 meter	0.5 meter	1 meter	1.4 meter	0.8 meter	1 meter
3	Colour	Pale Yellow	Pale Yellow	Pale Yellow	Pale Yellow	Pale Yellow	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.5m/s	0.3 m/s	2.8 m/s	2.5 m/s	N/A	N/A
6	Water Temperature	19°C	23°C	22°C	22°C	21°C	19°C
7	Dissolved Oxygen	10.6 mg/L	10.9 mg/L	9.2 mg/L	8.0 mg/L	4.3 mg/L	4.7 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	8.53	8.48	8.31	8.2	7.48	8.81
11	Conductivity	78.9 us/cm	56.3 us/cm	81.2 us/cm	83.4 us/cm	55.9 us/cm	88.6 us/cm
12	Biochemical Oxygen Demand	3.3 mg/L	3.0mg/L	2.3 mg/L	1.9 mg/L	1.1 mg/L	1.1 mg/L
13	Nitrogen- Nitrite (N-NO ₂)	0.135 mg/L	0.119 mg/L	0.104 mg/L	0.100 mg/L	0.114 mg/L	0.1 mg/L
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

GENERAL PARAMETERS

16	Turbidity	1 NTU	1 NTU	2 NTU	1 NTU	0 NTU	0 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	37.1 mg/L	50.7 mg/L	50.7 mg/L	52.3 mg/L	86.1 mg/L	87.8mg/L
18	Chloride	7.6 mg/L	6.1 mg/L	8.4 mg/L	6.1 mg/L	4.5 mg/L	42.1 mg/L
19	Nitrogen Ammonia (N-NH ₃)	0.729 mg/L	1.090 mg/L	0.634 mg/L	0.763 mg/L	0.991 mg/L	1.97 mg/L
20	Total hardness as CaCO ₃	44.0 mg/L	44.0 mg/L	42.0 mg/L	48.0 mg/L	50.0 mg/L	114 mg/L
21	Calcium	9.6 mg/L	8.8 mg/L	7.2 mg/L	9.6 mg/L	10.4 mg/L	30.4 mg/L
22	Magnesium	4.8 mg/L	5.2 mg/L	5.7 mg/L	5.7 mg/L	5.7 mg/L	9.1 mg/L
23	Sodium	13.5 mg/L	16 mg/L	15 mg/L	9.5 mg/L	7 mg/L	45 mg/L
24	Total Dissolved Solids	130 mg/L	150 mg/L	160 mg/L	190 mg/L	110 mg/L	90 mg/L
25	Total Suspended Solids	70 mg/L	70 mg/L	80 mg/L	70mg/L	50 mg/L	40 mg/L
26	Phosphate, PO ₄ ³⁻	0.221 mg/L	0.297 mg/L	0.283 mg/L	0.172 mg/L	0.153 mg/L	0.35 mg/L