

WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: OCTOBER, 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	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body	1 meter	1 meter	0.5 meter	0.3 meter	1 meter	0.6 meter
3	Colour	Colourless	Colourless	Pale yellow	Pale yellow	Colourless	Pale yellow
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.7 m/s	0.7 m/s	0.5 m/s	0.5 m/s	N/A	N/A
6	Water Temperature	23°C	23°C	26°C	26°C	20°C	22°C
7	Dissolved Oxygen	6.3 mg/L	6.9 mg/L	7.0 mg/L	7.3 mg/L	5.6 mg/L	2.1 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	7.24	7.47	7.62	7.7	6.5	7.07
11	Conductivity	361 us/cm	273 us/cm	336 us/cm	333 us/cm	165 us/cm	227 us/cm
12	Biochemical Oxygen Demand	1.2 mg/L	1.4 mg/L	1.4 mg/L	1.8 mg/L	1.2 mg/L	0.7 mg/L
13	Nitrogen- Nitrite (N-NO ₂)	0.123 mg/L	0.158 mg/L	0.120 mg/L	0.121 mg/L	0.124 mg/L	0.671 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	1 NTU	1 NTU	0 NTU	1 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	27.2 mg/L	25.5 mg/L	59.5 mg/L	62.9 mg/L	30.6 mg/L	192.1 mg/L
18	Chloride	7.4 mg/L	9.1 mg/L	9.8 mg/L	8.3 mg/L	7.5 mg/L	51.5 mg/L
19	Nitrogen Ammonia (N-NH ₃)	1.539 mg/L	2.588 mg/L	1.421 mg/L	1.186 mg/L	0.889 mg/L	2.998 mg/L
20	Total hardness as CaCO ₃	24.0 mg/L	30.0 mg/L	42 mg/L	46.0 mg/L	28 mg/L	144 mg/L
21	Calcium	5.6 mg/L	8.8 mg/L	9.6 mg/L	10.4 mg/L	7.2 mg/L	40.8 mg/L
22	Magnesium	2.4 mg/L	1.9 mg/L	4.3 mg/L	4.8 mg/L	2.4 mg/L	10 mg/L
23	Sodium	NA	NA	NA	NA	NA	NA
24	Total Dissolved Solids	150 mg/L	170 mg/L	160 mg/L	130 mg/L	110 mg/L	90 mg/L
25	Total Suspended Solids	70 mg/L	80 mg/L	90 mg/L	70 mg/L	50 mg/L	50 mg/L
26	Phosphate, PO ₄ ³⁻	0.244 mg/L	0.409 mg/L	0.251 mg/L	0.192 mg/L	0.144 mg/L	0.103 mg/L