

**Water Quality Data Monitored by Mizoram State Pollution Control Board**  
**October - December, 2009**

SI. No.	PARAMETER	RESULT					
		STATION CODE: 2050 River Tlawng, Upstream	STATION CODE: 2051 River Tlawng, Downstream	STATION CODE: 2052 River Tuirial, Uppercatchment	STATION CODE: 2053 River Tuirial, Lowercatchment	STATION CODE: 2054 Ramhlun North Tuikhur ( Spring Water )	STATION CODE: 2055 Mission Vengthlang Tuikhur (Spring Water)
1	Velocity of Flow	2 m/s	2 m/s	1.7 m/s	1.0 m/s	N/A	N/A
2	Water Temperature	21°C	22.0°C	23°C	22°C	20°C	20.0°C
3	Dissolved Oxygen	6.9 mg/L	6.8 mg/L	7.0 mg/L	6.9 mg/L	4.4 mg/L	3.7 mg/L
4	pH	7	6.3	7.4	6.2	6	5.6
5	Conductivity	197 µs/cm	183 µs/cm	379 µs/cm	352 µs/cm	371 µs/cm	304 µs/cm
6	BOD	1.0 mg/L	1.3 mg/L	1.1 mg/L	1.5 mg/L	2.2 mg/L	2.7 mg/L
7	Nitrogen-Nitrite (N-NO <sub>2</sub> )	0.11 mg/L	0.1 mg/L	0.1 mg/L	0.13 mg/L	0.13 mg/L	0.1 mg/L
8	Total Coliform	75 MPN	7 MPN	42 MPN	53 MPN	29 MPN	2400 MPN
9	Faecal Coliform	7 MPN	0.0 MPN	11 MPN	29 MPN	3 MPN	35 MPN
10	Turbidity	6 NTU	5 NTU	8 NTU	9 NTU	0.00 NTU	3 NTU
11	Carbonate as CaCO <sub>3</sub> (Alkalinity)	51.5 mg/L	44.8 mg/L	53.5 mg/L	60.2 mg/L	31.2 mg/L	89.6 mg/L
12	Chloride	5.0 mg/L	7.0 mg/L	6.1 mg/L	7.1 mg/L	57.1 mg/L	60.7 mg/L
13	Nitrogen Ammonia (N-NH <sub>3</sub> )	0.9 mg/L	0.9 mg/L	0.6 mg/L	0.2 mg/L	0.04 mg/L	1.0 mg/L
14	Total hardness as CaCO <sub>3</sub>	34 mg/L	40 mg/l	40 mg/l	40mg/l	74 mg/l	112 mg/l
15	Calcium	8.0 mg/L	8.0 mg/L	8.8 mg/L	8.0 mg/L	16.8 mg/L	20.0 mg/L
16	Magnesium	3.3 mg/L	4.8 mg/L	4.3 mg/L	4.8 mg/L	7.6 mg/L	14.8 mg/L
17	Sodium	29.5 mg/L	34 mg/L	41 mg/L	24.5 mg/L	51 mg/L	80 mg/L
18	TDS	178 mg/L	160 mg/L	210 mg/L	160 mg/L	360 mg/L	270 mg/L
19	TSS	90 mg/L	190 mg/L	90 mg/L	80 mg/L	100 mg/L	130 mg/L
20	Phosphate, PO <sub>4</sub> <sup>3-</sup>	0.44 mg/L	0.528 mg/L	0.18 mg/L	0.14 mg/L	0.076 mg/L	0.35 mg/L