

**Water Quality Data of 9 (NINE) Polluted River
stretches in Mizoram
(OA - No. 673 of 2018)**

**OCTOBER
2019**



MIZORAM STATE POLLUTION CONTROL BOARD

DETAILS OF POLLUTED LOCATIONS & RESULTS OF FIELD PARAMETERS FOR THE MONTH OF OCTOBER, 2019

Sl. No.	Station Code	Name of Station	Location	Co-Ordinates			A. STATIONS DETAILS												
							Sampling Date	Sampling Time	Used Based Class	Major Polluting Sources	Visibility Effluent Discharge	Use of water in Down Stream (irrigation, industrial, domestic, drinking water source, organised water source, cultivation, fishing, bathing ghat, others)	Weather	Depth of Water Body (m)	Human activities (Bathing, Washing, Cultivation, Fishing, Boating, Gardening, Tourist spot, cattle wedding, others)	Floating matter	Colour	Odour	Flow (m/s)
				Longitude	Latitude	Elevation	1	2	3	4	5	6	7	8	9	10	11	12	13
1	3756	Tiau River	Near Boundary Tiau Bridge, Zokhawthar Village, Champhai District, Mizoram	93°23'31.0"E	23°21'42.8"N	720m	07-10-2019	10.00		Domestic			Clear	0.8	Washing		Clear	Odour free	1.4
2	3709	Tlawng River, Sairang	Sairang Village, Aizawl District, Mizoram	92°39'10"E	23°48'49"N	80m	15-10-2019	12.14		Agriculture			Clear	1.3	Sand collection		Clear	Odour free	0.6
	3734	Tlawng River, Upper Stream, Lunglei	Near Tlawng Bridge, Mausem Village, Lunglei District, Mizoram	92°49'15.0"E	22°51'21.2"N	1080m	12-10-2019	12:50		Agriculture		Washing, Bathing, Kitchen	Clear	1	Fishing		Pale brown	Odour free	0.9
	3736	Tlawng River, Pialthleng, Zotlang, Lunglei	Near P.H.E Water Treatment Plant, Zotlang, Lunglei Distirct, Mizoram	92°45'45.7"E	22°56'53.5"N	800m	12-10-2019	1:35		Agriculture		Drinking Water Source	Clear	3.8	Fishing		Clear	Odour free	0.2
	3754	Tlawng River, Downstream, Bairabi	Bairabi Village, Kolasib District, Mizoram	92°32'14.3"E	24°10'44.7"N	40m	14-10-2019	2.30		Agriculture			Clear	1	Fishing		Milky	Odour free	N/A
3	3757	Tuipui River	Near P.H.E Treatment Plant, Champhai District, Mizoram	93°16'27"E	23°30'18.8"N	800m	07-10-2019	11.30		Domestic		Drinking Water Source	Clear	0.92			Clear	Odour free	1.73
4	3720	Tuivawl River	Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram	93°2'6"E	23°38'31"N	500m	23-10-2019	11:30		Agriculture			Clear	1.8	Washing & Bathing		Clear	Odour free	1.6
5	3718	Chite River	Near Mini Sports Complex, Armed Veng, Aizawl, Mizoram	92°44'17.5"E	23°43'59.2"N	680m	21-10-2019	11.40		Domestic			Cloudy	1.2			Clear	Odour free	0.5
6	3735	Mat River	Near Mat Bridge, Dawn Village, Lunglei District, Mizoram	92°52'19.7"E	22°53'58.4"N	380m	12-10-2019	7:30		Agriculture		Washing, Domestic Purpose	Clear	1.3	Plantation, gardening		Pale brown	Odour free	2.1
7	3740	Saikah stream	Saikah Village, Lawngtlai, Mizoram	92°53'40.1"E	22°27'21.3"N	800m	12-10-2019	12.30		Agriculture		Drinking Water Source	Clear	0.3	Wasing, Bathing etc		Clear	Odour free	1
8	3712	Tuikual Stream	Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram	92°39'46"E	23°42'57"N	270m	22-10-2019	1.20		Domestic			Clear	1.1			Clear	Odour free	0.6
9	2052	Tuirial U/s, Aizawl	Tuirial Village, upstream of Tuirial Bridge	92°47'58.25"E	23°43'8.99"N	187m	07-10-2019	11.50		Agriculture			Clear	1.2	Fishing		Clear	Odour free	0.6
	2053	Tuirial L/s Aizawl	Tuirial Village, downstream of Tuirial Bridge	92°47'57.92"E	23°43'5.22"N	185m	07-10-2019	12.45		Agriculture			Clear	1.3	Fishing		Clear	Odour free	0.7

**WATER QUALITY DATA OF 9(NINE) POLLUTED RIVER STRETCHES
FOR THE MONTH OF OCTOBER, 2019**

Sl.No	Station Code	B. CORE PARAMETERS								C. GENERAL PARAMETERS										
		Water Temp (°C)	D.O (mg/L)	pH	Conductivity µs/cm	B.O.D (mg/L)	Nitrogen Nitrite (N-NO ₂) (mg/L)	Faecal Coliform MPN	Total Coliform MPN	Turbidity NTU	Total Alkalinity (mg/L)	Chlorides (mg/L)	Ammonia-N (mg/L)	Total Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	K (mg/L)	TSS (mg/L)	Total Phosphate (mg/L)
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	3756	18	6	7.49			0.038			58.1	31.3	17.4	0.802	34	8	3.4	0			0.141
2	3709	29	5.9	8.02		0.8	0.035	0	290	47.4	46	19.1	0.711	34	8	3.4	0			0.111
	3734	25	7.1	7.5		1.3	0.01			11.2	20.2	7.8	0.308	26	6.4	2.4				0.027
	3736	25	7.5	7.85		1.6	0.003			0.7	36.8	8.7	0.228	30	7.2	2.9				0.004
	3754	18	6.4	7.83		1.2	0.009			1.1	51.5	20.9	0.445	58	14.4	5.3	0			0.066
3	3757	18	6.9	6.9		2.1	0.019			0.4	20.2	17	0.483	28	7.2	2.4	2.1			0.01
4	3720	21	6.9	7.1		1.5	0.045			2.1	42.5	7.8	0.543	54	12.8	5.3	0			0.196
5	3718	25	4.1	7.11		1.2	0.741	0	1100	5.4	205.9	63.5	0.57	162	50.4	8.6	21.5			0.049
6	3735	25	7.1	6.78		1.8	0.01			16.8	22.1	11.3	0.494	20	4	2.4				0.006
7	3740	23	3.6	7.63		1	0			2.1	36.8	8.7	0.171	44	10.4	4.3				0.03
8	3712	27	6.9	8.04		1.1	0	0	1100	14	64.3	15.6	0.201	76	20	6.2	2.5			0.013
9	2052	27	4.6	7.93		1.1	0.85	0	2400	60.7	22.1	8.7	1.31	36	8	3.8				0.123
	2053	25	4.4	7.96		1.6	0.814	0	210	55.2	23.9	7	1.112	32	8	2.9				0.125