

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

**JULY
2019**



MIZORAM STATE POLLUTION CONTROL BOARD

DETAILS OF POLLUTED LOCATIONS & RESULTS OF FIELD PARAMETERS FOR THE MONTH OF JULY, 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	08-07-2019	11.00		Domestic			Clear	1.9	Washing		Light brown	Odour free	1.53
2	3709	Tlawng River, Sairang	Sairang Village, Aizawl District, Mizoram	92°39'10"E	23°48'49"N	80m	03-07-2019	1.17		Agriculture			Clear	0.9	Sand collection		Brown	Odour free	0.7
	3734	Tlawng River, Upper Stream, Lunglei	Near Tlawng Bridge, Mausen Village, Lunglei District, Mizoram	92°49'15.0"E	22°51'21.2"N	1080m	09-07-2019	10.15		Agriculture	Washing, Bathing, Gardening		Clear	2	Fishing		Pale brown	Odour free	1.4
	3736	Tlawng River, Palthleng, Zotlang, Lunglei	Near P.H.E Water Treatment Plant, Zotlang, Lunglei Distirct, Mizoram	92°45'45.7"E	22°56'53.5"N	800m	09-07-2019	12.10		Agriculture	Drinking Water Source		Clear	3.8	Fishing		Clear	Odour free	0.1
	3754	Tlawng River, Downstream, Bairabi	Bairabi Village, Kolasib District, Mizoram	92°32'14.3"E	24°10'44.7"N	40m	09-07-2019	3.30		Agriculture			Clear	4	Fishing		Brown	Odour free	0.7
3	3757	Tuipui River	Near P.H.E Treatment Plant, Champhai District, Mizoram	93°16'27"E	23°30'18.8"N	800m	08-07-2019	11.30		Agriculture	Drinking Water Source		Clear	1.8			Clear	Odour free	1.67
4	3720	Tuivawl River	Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram	93°2'6"E	23°38'31"N	500m	22-07-2019	10.25		Agriculture	Wasing, Bathing, Plantation		Clear	0.4	Washing & Bathing		Clear	Odour free	0.6
5	3718	Chite River	Near Mini Sports Complex, Armed Veng, Aizawl, Mizoram	92°44'17.5"E	23°43'59.2"N	680m	02-07-2019	11.38		Domestic			Cloudy	1.1			Light brown	Odour free	1.3
6	3735	Mat River	Near Mat Bridge, Dawn Village, Lunglei District, Mizoram	92°52'19.7"E	22°53'58.4"N	380m	08-07-2019	10.50		Agriculture	Washing, Bathing, Domestic		Clear	2.9	Fishing, Plantation, Gardening		Pale brown	Odour free	2
7	3740	Saikah stream	Saikah Village, Lawngtlai, Mizoram	92°53'40.1"E	22°27'21.3"N	800m	22-07-2019	10.20		Agriculture	Drinking Water Source		Clear	0.2			Clear	Odour free	0.3
8	3712	Tuikual Stream	Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram	92°39'46"E	23°42'57"N	270m	09-07-2019	12.50		Domestic			Clear	0.8			Pale yellow	Odour free	1
9	2052	Tuirial U/s, Aizawl	Tuirial Village, upstream of Tuirial Bridge	92°47'58.25"E	23°43'8.99"N	187m	15-07-2019	12:05		Agriculture			Clear	1.4	Fishing		Pale yellow	Odour free	1
	2053	Tuirial L/s Aizawl	Tuirial Village, downstream of Tuirial Bridge	92°47'57.92"E	23°43'5.22"N	185m	15-07-2019	12.55		Agriculture			Clear	1.1	Fishing		Pale yellow	Odour free	1.2

**WATER QUALITY DATA OF 9(NINE) POLLUTED RIVER STRETCHES
FOR THE MONTH OF JULY YEAR 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	16	6.5	7.18		1.5	0.025			0.6	22.1	6.8	0.087	34	8	3.4	6.5			0.038
2	3709	26	6.7	7.55		1.7	0.324	0	2400	25.1	29.4	6	2.793	42	12	2.9	78.5			0.348
	3734	23	7.4	7.23		1.5	0.021			0.8	18.4	6	0.521	22	5.6	1.9	20.5			0.049
	3736	22	7	7.11		1.4	0.01			0.1	27.6	13.6	0.559	36	8.8	3.4	26.5			0.01
	3754	24	4.4	7.31		1.2	0.04			1.2	40.4	10.2	0.323	54	12.8	5.3	19.5			0.097
3	3757	15.5	6.4	7.5		1.4	0.016			2.5	40.4	15.3	0.524	52	12	5.3	12			0.024
4	3720	25	8.9	7.14		1.7	0.077			0.3	18.4	7.7	1.307	26	6.4	2.4	28.5			0.368
5	3718	30	3.6	7.89		2	0.571	0	210	0.4	178.3	97.8	0.68	184	60	8.2	98.5			0.307
6	3735	23	7.3	7.01		1.5	0.054			0.9	9.2	5.1	0.996	14	4	1	40.5			0.138
7	3740	21	5.8	7.13		1.2	0.041			0.1	51.5	7.7	0.224	64	16	5.8	21			0.104
8	3712	23	5.8	7.24		1.2	0.148	0	1100	4.1	42.3	7.7	0.825	52	11.2	5.8	60			0.14
9	2052	25	4.9	7.07		1.2	0.019	0	1100	0.2	77.2	43.4	0.046	90	24.8	6.7	10.5			0.006
	2053	25	4.7	7.88		1.2	0.083	0	2400	19.2	69.9	35.7	0.912	82	21.6	6.7	28.5			0.024