

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

**NOVEMBER
2019**



MIZORAM STATE POLLUTION CONTROL BOARD

DETAILS OF POLLUTED LOCATIONS & RESULTS OF FIELD PARAMETERS FOR THE MONTH OF NOVEMBER, 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	08-11-2019	11.00		Domestic			Clear	0.36	Washing		Yellow	Odour free	0.33
2	3709	Tlawng River, Sairang	Sairang Village, Aizawl District, Mizoram	92°39'10"E	23°48'49"N	80m	11-11-2019	1.30		Agriculture			Clear	1.3	Sand collection		Pale yellow	Odour free	0.4
	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	14-11-2019	12.30		Agriculture	Washing, Bathing, Gardening	Clear	Clear	1.3	Fishing		Pale Yellow	Odour free	1.2
	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	14-11-2019	2.55		Agriculture	Drinking Water Source	Clear	Clear	3.4	Fishing		Pale Yellow	Odour free	0.3
	3754	Tlawng River, Downstream, Bairabi	Bairabi Village, Kolasib District, Mizoram	92°32'14.3"E	24°10'44.7"N	40m	13-11-2019	2.30		Agriculture		Clear	Clear	2	Fishing		Yellow	Odour free	0.4
3	3757	Tuipui River	Near P.H.E Treatment Plant, Champhai District, Mizoram	93°16'27"E	23°30'18.8"N	800m	08-11-2019	11.30		Agriculture	Drinking Water Source	Clear	Clear	1.51			Clear	Odour free	0.16
4	3720	Tuivawl River	Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram	93°2'6"E	23°38'31"N	500m	19-11-2019	11.25		Agriculture		Clear	Clear	0.3	Washing & Bathing		Clear	Odour free	0.3
5	3718	Chite River	Near Mini Sports Complex, Armed Veng, Aizawl, Mizoram	92°44'17.5"E	23°43'59.2"N	680m	04-11-2019	11.45		Domestic		Clear	Clear	0.4			Pale yellow	Odour free	0.6
6	3735	Mat River	Near Mat Bridge, Dawn Village, Lunglei District, Mizoram	92°52'19.7"E	22°53'58.4"N	380m	14-11-2019	7.20		Agriculture	Washing, Domestic	Clear	Clear	1.1	Plantation		Pale Yellow	Odour free	1.7
7	3740	Saikah stream	Saikah Village, Lawngtlai, Mizoram	92°53'40.1"E	22°27'21.3"N	800m	02-11-2019	3.30		Agriculture	Drinking Water Source	Clear	Clear	0.3			Clear	Odour free	0.6
8	3712	Tuikual Stream	Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram	92°39'46"E	23°42'57"N	270m	18-11-2019	12.10		Domestic		Clear	Clear	0.9			Pale yellow	Odour free	0.7
9	2052	Tuirial U/s, Aizawl	Tuirial Village, upstream of Tuirial Bridge	92°47'58.25"E	23°43'8.99"N	187m	25-11-2019	1.50		Agriculture		Clear	Clear	1.2	Fishing		Brown	Odour free	0.8
	2053	Tuirial L/s Aizawl	Tuirial Village, downstream of Tuirial Bridge	92°47'57.92"E	23°43'5.22"N	185m	25-11-2019	2.10		Agriculture		Clear	Clear	1.3	Fishing		Brown	Odour free	0.7

**WATER QUALITY DATA OF 9(NINE) POLLUTED RIVER STRETCHES
FOR THE MONTH OF NOVEMBER, 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	15	6.4	7.39			0.005			59	47.2	24.3	0.034	70	19.2	5.3	5	0.5		0.061
2	3709	23	6.1	7.4		1.3	0.069	0	460	13.1	60.4	19.1	1.581	54	12.8	5.3	4.5	1.5		0.34
	3734	25	7	7.07		1.4	0			9.5	18.9	7.8	0.011	26	7.2	1.9	2.5	0		0.003
	3736	24	7.3	7.36		1.4	0			3.6	49.1	20.9	0.049	54	12.8	5.3	1.5	0.5		0
	3754	18	6.3	7.42			0.027			60	56.6	13	0.384	48	12	4.3	3	0.5		0.096
3	3757	14.5	6.3	8.08			0			0.48	37.7	8.7	0.015	30	5.6	3.8	2.5	0.5		0.016
4	3720	18	6.7	7.41			0.026			93	56.6	17.4	1.554	68	16.8	6.2	3.5	1		0.13
5	3718	21	6.6	7.08			0.004			1.9	37.7	12.2	0.232	46	11.2	4.3	1.5	1		0.016
6	3735	25	7	7.13		1.5	0			10	30.2	17.4	0.034	36	8.8	3.4	2	0		0
7	3740	23	4.2	7		1.1	0.005			1.7	18.9	6.1	0.331	22	5.6	1.3	1.5	0		0.058
8	3712	24	6.1	7.6		1	0.001	0	1100	4	81.1	27.8	0.046	96	25.6	7.7	4.5	0		0.003
9	2052	25	5	7.53		0.9	0.605	0	2400	32	32.1	7.8	2.006	42	9.6	4.3	4	0		0.09
	2053	23	4.9	7.51		0.9	0.38	0	2400	43	28.3	8.7	2.333	36	8.8	3.4	5	1		0.087