

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

**DECEMBER
2019**



MIZORAM STATE POLLUTION CONTROL BOARD

DETAILS OF POLLUTED LOCATIONS & RESULTS OF FIELD PARAMETERS FOR THE MONTH OF DECEMBER, 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	05-12-2019	11.00		Domestic			Clear	0.75	Washing		Clear	Odour free	0.35
2	3709	Tlawng River, Sairang	Sairang Village, Aizawl District, Mizoram	92°39'10"E	23°48'49"N	80m	03-12-2019	11.50		Agriculture			Clear	0.9	Sand collection		Clear	Odour free	0.7
	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	03-12-2019	12.40		Agriculture		Washing, Bathing	Clear	1.2	Washing, Domestic Purpose		Clear	Odour free	1.1
	3736	Tlawng River, Palthleng, Zotlang, Lunglei	Near P.H.E Water Treatment Plant, Zotlang, Lunglei District, Mizoram	92°45'45.7"E	22°56'53.5"N	800m	03-12-2019	1.55		Agriculture		Drinking Water Source	Clear	3.1	Fishing		Clear	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	7-11-2019	2.30		Agriculture			Clear	1	Fishing		Pale Yellow	Odour free	0.6
3	3757	Tuipui River	Near P.H.E Treatment Plant, Champhai District, Mizoram	93°16'27"E	23°30'18.8"N	800m	05-12-2019	10.00		Agriculture		Drinking Water Source	Clear	0.2			Clear	Odour free	0.4
4	3720	Tuivawl River	Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram	93°2'6"E	23°38'31"N	500m	07-12-2019	9.35		Agriculture			Clear	0.5	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	02-12-2019	11.30		Domestic			Clear	0.7			Clear	Odour free	0.8
6	3735	Mat River	Near Mat Bridge, Dawn Village, Lunglei District, Mizoram	92°52'19.7"E	22°53'58.4"N	380m	03-12-2019	7.30		Agriculture		Washing, Domestic Purpose	Clear	2.9	Plantation, Gardening		Clear	Odour free	1.5
7	3740	Saikah stream	Saikah Village, Lawngtlai, Mizoram	92°53'40.1"E	22°27'21.3"N	800m	02-12-2019	3.00		Domestic		Drinking Water Source	Clear	0.3			Clear	Odour free	0.5
8	3712	Tuikual Stream	Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram	92°39'46"E	23°42'57"N	270m	09-12-2019	11.00		Domestic			Clear	0.6			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	11-12-2019	4.00		Agriculture		Drinking Water Source	Clear	0.4			Clear	Odour free	0.2
	2053	Tuirial L/s Aizawl	Tuirial Village, downstream of Tuirial Bridge	92°47'57.92"E	23°43'5.22"N	185m	10-12-2019	1.00		Domestic			Clear	N/A	Washing		Clear	Odour free	N/A

**WATER QUALITY DATA OF 9(NINE) POLLUTED RIVER STRETCHES
FOR THE MONTH OF DECEMBER, 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	9.5	6.6	8	152	1.6	0.02			15.7	37.7	13	0.547	46	11.2	4.3	4	0.5		0.063
2	3709	22	6.5	8.5	80.7	1.1	0.009	0	43	3.5	56.6	8.7	0.243	60	14.4	5.8	1	0.5		0.037
	3734	24	7.9	5.06	74.5	1.8	0.006			2.4	30.2	8.7	0.243	30	8	2.4	4	0		0.025
	3736	24	7.4	6.38	73.4	1.6	0.003			0	32.1	13	0.213	18	4	1.9	0	1		0.085
	3754	18	5.7	7.66	142	1.3	0.01			10.8	92.5	36.5	0.331	88	25.6	5.8	2.5	2.5		0.047
3	3757	12	6.5	7.24	75	1.4	0.001			0.3	39.6	7.8	0.008	44	11.2	3.8	1.5	0		0.013
4	3720	18	8.5	7.71	104	1.6	0.007			0.3	18.9	8.7	0.217	30	8	2.4	3	0.5		0.02
5	3718	22	5.4	8.26	564	1.7	0.749	0	2400	2.7	101.9	59.1	3.405	124	38.4	6.7	5	7.5		0.324
6	3735	24	6.9	7.13	72.3	1.6	0.005			0.7	37.7	16.5	0.205	22	5.6	1.9	4	0		0.016
7	3740	20	4.1	7.16	36.6	1.2	0.004			0.6	18.9	6.1	0.198	26	6.4	2.4	0	0		0.031
8	3712	21	5.7	7.2	191	1.2	0.005	0	75	3.5	94.3	34.8	0.118	98	26.4	7.7	5	0.5		0.013
9	2052	23	7.4	7.64	146	1.7	0.127			18	94.3	12.2	1.626	70	18.4	5.8	5	0		0.33
	2053	24	7.5	6.24	151	1.7	0.063			37.3	86.8	12.2	0.889	74	19.2	6.2	5.5	0.5		0.186