

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

**FEBRUARY
2020**



MIZORAM STATE POLLUTION CONTROL BOARD

DETAILS OF POLLUTED LOCATIONS & RESULTS OF FIELD PARAMETERS FOR THE MONTH OF FEBRUARY, 2020

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	24-02-2020	4.00		Domestic			Clear	0.7	Washing		Clear	Odour free	0.15
2	3709	Tlawng River, Sairang	Sairang Village, Aizawl District, Mizoram	92°39'10"E	23°48'49"N	80m	11-02-2020	12.25		Agriculture			Clear	0.3	Sand collection		Clear	Odour free	0.8
	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	17-02-2020	12.10		Agriculture		Washing, Bathing	Clear	1	Washing, Domestic Purpose		Clear	Odour free	0.8
	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	17-02-2020	1.05		Agriculture		Drinking Water Source	Clear	N/A	Fishing		Clear	Odour free	N/A
	3754	Tlawng River, Downstream, Bairabi	Bairabi Village, Kolasib District, Mizoram	92°32'14.3"E	24°10'44.7"N	40m	10-02-2020	12.00		Agriculture			Clear	1	Fishing		Clear	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	24-02-2020	9.00		Agriculture		Drinking Water Source	Clear	0.6			Clear	Odour free	0.25
4	3720	Tuivawl River	Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram	93°2'6"E	23°38'31"N	500m	24-02-2020	12.45		Agriculture			Clear	0.3	Washing & Bathing		Clear	Odour free	0.5
5	3718	Chite River	Near Mini Sports Complex, Armed Veng, Aizawl, Mizoram	92°44'17.5"E	23°43'59.2"N	680m	03-02-2020	11.50		Domestic			Clear	0.4			Pale Brown	Odour free	0.7
6	3735	Mat River	Near Mat Bridge, Dawn Village, Lunglei District, Mizoram	92°52'19.7"E	22°53'58.4"N	380m	17-02-2020	7.30		Agriculture		Washing, Domestic Purpose	Clear	1.3	Plantation, Gardening		Clear	Odour free	0.9
7	3740	Saikah stream	Saikah Village, Lawngtlai, Mizoram	92°53'40.1"E	22°27'21.3"N	800m	12-02-2020	11.30		Domestic		Drinking Water Source	Clear	0.12			Clear	Odour free	N/A
8	3712	Tuikual Stream	Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram	92°39'46"E	23°42'57"N	270m	25-02-2020	11.50		Domestic			Clear	0.4			Clear	Odour free	0.9
9	2052	Tuirial U/s, Aizawl	Tuirial Village, upstream of Tuirial Bridge	92°47'58.25"E	23°43'8.99"N	187m	24-02-2020	11.30		Agriculture			Clear	0.5	Fishing		Pale Yellow	Odour free	0.7
	2053	Tuirial L/s Aizawl	Tuirial Village, downstream of Tuirial Bridge	92°47'57.92"E	23°43'5.22"N	185m	24-02-2020	11.40		Agriculture			Clear	0.4	Fishing		Pale Yellow	Odour free	0.6

**WATER QUALITY DATA OF 9(NINE) POLLUTED RIVER STRETCHES
FOR THE MONTH OF FEBRUARY, 2020**

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	6.2	9.51	84		0.008			0	28.3	9.7	0.308	36	8	3.8	0.5	0		0.03
2	3709	20	7.3	8.47	166	1.6	0.015	0	7	8.4	47.2	15.5	0.403	56	12.8	5.8	1	0		0.049
	3734	27	34	7.29	34	1.5	0.003			0.1	19.2	9.7	0.205	28	7.2	2.4	0	0		0.023
	3736	23	7.5	7.19	91	1.3	0.004			0.4	48.1	11.6	0.281	54	12.8	5.3	0.5	0		0.02
	3754	18	8.7	5.75	173		0.008			8.1	60.4	10.7	0.369	96	25.6	7.7	1	0		0.034
3	3757	16	6.5	8	91		0.072			0.2	34	9.7	0.201	42	9.6	4.3	1	0		0.02
4	3720	15	8.3	8.7	97	1.5	0.007			0.3	56.6	7.8	0.258	48	10.4	5.3	0.5	0		0.034
5	3718	19	4.6	7.89	756	1.4	0.4	0	1100	49	284.9	99	6.927	284	94.4	11.5	29	2.5		0.261
6	3735	25	7.7	7.17	34	1.4	0.003			0.2	28.8	4.9	0.217	34	8.8	2.9	0	0		0.018
7	3740	21	5.4	7.47	789		0.005			0.5	44.2	9.7	0.163	50	11.2	5.3	0	0		0.048
8	3712	16	5.1	8.48	555	2.2	0.014	11	2400	0.3	107.5	72.8	0.323	124	38.4	6.7	3.5	0.5		0.23
9	2052	19	7.1	8.02	261	1.8	0.267	0	23	101.9	113.2	36.9	3.739	68	16.8	6.2	2	0		0.756
	2053	18	7.7	8.15	251	1.5	0.216	11	2400	92.7	109.4	31.1	3.025	64	16	5.8	2	0		0.565