

ANNEXURE - I

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

**September
2021**



MIZORAM STATE POLLUTION CONTROL BOARD

DETAILS OF POLLUTED LOCATIONS & RESULTS OF FIELD PARAMETERS FOR THE MONTH OF SEPTEMBER, 2021

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	13-09-2021	10.30		Domestic			Clear	1.23	Washing		Pale Yellow	Odourless	0.76
2	3709	Tlawng River, Sairang	Sairang Village, Aizawl District, Mizoram	92°39'10"E	23°48'49"N	80m	07-09-2021	11.30		Agriculture			Clear	2			Pale Yellow	Odourless	0.4
	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	06-09-2021	3.00		Agriculture	Domestic		Clear	1	Washing, Domestic Purpose		Clear	Odourless	0.3
	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	06-09-2021	4.00		Agriculture	Drinking Water Source		Clear	3.1	Fishing		Clear	Odourless	0.2
	3754	Tlawng River, Downstream, Bairabi	Bairabi Village, Kolasib District, Mizoram	92°32'14.3"E	24°10'44.7"N	40m	19-09-2021	11.30		Agriculture			Clear	1.5	Fishing		Brown	Odourless	1.5
3	3757	Tuipui River	Near P.H.E Treatment Plant, Champhai District, Mizoram	93°16'27"E	23°30'18.8"N	800m	13-09-2021	11.30		Agriculture	Drinking Water Source		Clear	2.12			Pale Yellow	Odourless	0.71
4	3720	Tuivawl River	Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram	93°2'6"E	23°38'31"N	500m	17-09-2021	11.35		Agriculture	Domestic		Clear	0.5	Washing & Bathing		Dark Brown	Odourless	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	06-09-2021	11.45		Domestic			Clear	0.3			Pale Yellow	Odourless	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	06-09-2021	10.30		Agriculture	Washing, Domestic Purpose		Clear	1.5	Plantation, Gardening		Clear	Odourless	0.7
7	3740	Saikah stream	Saikah Village, Lawngtlai, Mizoram	92°53'40.1"E	22°27'21.3"N	800m	18-09-2021	1.00		Domestic	Drinking Water Source		Cloudy	0.2	Wasing		Pale yellow	Odourless	0.2
8	3712	Tuikual Stream	Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram	92°39'46"E	23°42'57"N	270m	13-09-2021	12.45		Domestic			Clear	0.2			Pale Yellow	Odourless	0.5
9	2052	Tuirial U/s, Aizawl	Tuirial Village, upstream of Tuirial Bridge	92°47'58.25"E	23°43'8.99"N	187m	06-09-2021	12.30		Agriculture			Clear	3	Fishing		Pale Yellow	Odourless	0.8
	2053	Tuirial L/s Aizawl	Tuirial Village, downstream of Tuirial Bridge	92°47'57.92"E	23°43'5.22"N	185m	06-09-2021	12.50		Agriculture			Clear	3	Fishing		Pale Yellow	Odourless	0.8

**WATER QUALITY DATA OF 9(NINE) POLLUTED RIVER STRETCHES
FOR THE MONTH OF SEPTEMBER, 2021**

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)	TDS (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	33
1	3756	20	5.4	7.3	167	1.7	0.842	27	290	37.2	80.9	24.9	0.916	50	16.8	1.9					0.069
2	3709	28	7.1	8.1	189	1.3	0.047	240	1100	72.2	53.3	18.7	0.536	36	5.6	5.3			160	30	0.149
	3734	26	7.8	6.7	145	0.8	0.018	95	1100	3.2	31.3	8.9	0.194	10	1.6	1.4			120	20	0.039
	3736	25	7	6.6	130	0.9	0.012	24	460	2.7	18.4	15.8	0.179	6	1.6	0.5			40	10	0.042
	3754	23	5.8	6.5	266	1.2	0.11	240	1100	83.6	38.6	6.2	2.025	10	2.4	1			210	70	0.512
3	3757	20	5.5	7.2	187	1.1	0.571	20	240	15.7	51.5	7.1	0.695	22	7.2	1					0.072
4	3720	21	7.1	6.2	66	1.2	0.015	11	160	4	3.8	5.3	0.198	40	12	2.4			40	30	0.058
5	3718	28	5	7.5	215	2.2	0.532	15	53	27	88.2	51.5	0.722	102	24	10.1			120	20	0.21
6	3735	26	7.2	6.7	142	1	0.015	12	210	2.8	31.3	10.7	0.182	12	2.4	1.4			120	20	0.038
7	3740	23	5.7	7.1	120	1.1	0.077	6	43	6.5	29.4	8	2.215	20	4	2.4					0.078
8	3712	28	8.2	7.8	127	2.2	0.023	29	1100	27.3	49.6	8.9	0.194	28	7.2	2.4			60	30	0.054
9	2052	24	6.7	7.5	156	1	0.059	3.6	20	23	40.4	9.8	0.741	32	6.4	3.8			40	20	0.179
	2053	24	7.1	7.6	241	0.75	0.062	3.6	20	25	40.4	8.9	0.813	36	7.2	4.3			50	20	0.186