

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

**DECEMBER
2021**



MIZORAM STATE POLLUTION CONTROL BOARD

DETAILS OF POLLUTED LOCATIONS & RESULTS OF FIELD PARAMETERS FOR THE MONTH OF DECEMBER, 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 | 17-12-2021 | 10:20 | | Domestic | | | Clear | 1.1 | Washing | | Yellow | Odourless | 1.3 |
| 2 | 3709 | Tlawng River, Sairang | Sairang Village, Aizawl District, Mizoram | 92°39'10"E | 23°48'49"N | 80m | 07-12-2021 | 11:30 | | Agriculture | | | Clear | 2 | | | Pale Yellow | Odourless | 0.5 |
| | 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 | 03-12-2021 | 12:00 | | Agriculture | Domestic | | Clear | 0.8 | Washing, Domestic Purpose | | Clear | Odourless | 0.2 |
| | 3736 | Tlawng River, Pialthleng, Zotlang, Lunglei | Near P.H.E Water Treatment Plant, Zotlang, Lunglei District, Mizoram | 92°45'45.7"E | 22°56'53.5"N | 800m | 03-12-2021 | 02:00 | | Agriculture | Drinking Water Source | | Clear | 3.1 | Dwelling, Vehicular Movement | | Clear | Odourless | 0.1 |
| | 3754 | Tlawng River, Downstream, Bairabi | Bairabi Village, Kolasib District, Mizoram | 92°32'14.3"E | 24°10'44.7"N | 40m | 19-12-2021 | 03:00 | | Agriculture | Domestic | | Clear | 2 | Sand Collection | | Pale yellow | Odourless | 1 |
| 3 | 3757 | Tuipui River | Near P.H.E Treatment Plant, Champhai District, Mizoram | 93°16'27"E | 23°30'18.8"N | 800m | 17-12-2021 | 11:30 | | Agriculture | Drinking Water Source | | Clear | 1.8 | | | Pale yellow | Odourless | 0.7 |
| 4 | 3720 | Tuivawl River | Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram | 93°2'6"E | 23°38'31"N | 500m | 12/12/2021 | 11:25 | | Agriculture | Domestic | | Clear | 0.2 | Washing & Bathing | | Clear | Odourless | 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 | 13-12-2021 | 11:00 | | Domestic | | | Clear | 0.5 | | | Clear | Odourless | 0.2 |
| 6 | 3735 | Mat River | Near Mat Bridge, Dawn Village, Lunglei District, Mizoram | 92°52'19.7"E | 22°53'58.4"N | 380m | 03-12-2021 | 10:30 | | Agriculture | Washing, Domestic Purpose | | Clear | 1.1 | Plantation, Gardening | | Clear | Odourless | 0.4 |
| 7 | 3740 | Saikah stream | Saikah Village, Lawngtlai, Mizoram | 92°53'40.1"E | 22°27'21.3"N | 800m | 07-12-2021 | 11:00 | | Domestic | Drinking Water Source | | Clear | 0.2 | Wasing | | Clear | 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 | 14-12-2021 | 12:50 | | Domestic | | | Clear | 3 | | | Clear | 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 | 13-12-2021 | 12:30 | | Agriculture | | | Clear | 0.8 | Fishing | | Pale Yellow | Odourless | 0.5 |
| | 2053 | Tuirial L/s Aizawl | Tuirial Village, downstream of Tuirial Bridge | 92°47'57.92"E | 23°43'5.22"N | 185m | 13-12-2021 | 01:00 | | Agriculture | | | Clear | 0.8 | Fishing | | Pale Yellow | Odourless | 0.5 |

**WATER QUALITY DATA OF 9(NINE) POLLUTED RIVER STRETCHES
FOR THE MONTH OF DECEMBER, 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) | TDS (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 | 33 |
| 1 | 3756 | 17 | 5.8 | 7.2 | 85 | 0.3 | 0.091 | 29 | 460 | 33 | 25.6 | 4.9 | 0.315 | 24 | 6.4 | 1.9 | | 60 | 10 | 0.052 | |
| 2 | 3709 | 22 | 8.7 | 8.1 | 183 | 1.9 | 0.148 | 15 | 120 | 100 | 51.2 | 5.7 | 3.108 | 38 | 12 | 1.9 | | 130 | 60 | 0.857 | |
| | 3734 | 21 | 6.5 | 7.6 | 182 | 1.2 | 0.023 | 53 | 290 | 4.5 | 29.5 | 7.8 | 0.285 | 24 | 7.2 | 1.4 | | 70 | 10 | 0.065 | |
| | 3736 | 20 | 6.6 | 7.6 | 190 | 1.2 | 0.015 | 15 | 120 | 2.9 | 49.2 | 17.4 | 0.281 | 40 | 12 | 2.4 | | 50 | 10 | 0.078 | |
| | 3754 | 16 | 6.3 | 7.8 | 109 | 1.6 | 0.024 | 16 | 75 | 13.2 | 100.4 | 14.7 | 0.175 | 56 | 20 | 1.4 | | 60 | 10 | 0.078 | |
| 3 | 3757 | 17 | 5.2 | 7.3 | 156 | 0.3 | 0.014 | 15 | 42 | 4.3 | 33.5 | 7.8 | 0.16 | 30 | 9.6 | 1.4 | | 70 | 20 | 0.049 | |
| 4 | 3720 | 16 | 7.6 | 7.7 | 174 | 1.2 | 0.015 | 3 | 34 | 5.3 | 3.8 | 6.9 | 0.342 | 30 | 10.4 | 1 | | 150 | 70 | 0.086 | |
| 5 | 3718 | 21 | 4.6 | 8 | 133 | 1.04 | 1.055 | 6 | 120 | 5.7 | 159.4 | 76.4 | 2.329 | 160 | 63.2 | 0.5 | | 280 | 20 | 0.496 | |
| 6 | 3735 | 21 | 6.6 | 7.5 | 183 | 1.5 | 0.017 | 3.6 | 95 | 4.1 | 39.4 | 6.9 | 0.293 | 26 | 9.6 | 0.5 | | 50 | 10 | 0.086 | |
| 7 | 3740 | 22 | 7.5 | 7 | 158 | 1.2 | 0.005 | 6 | 42 | 4.1 | 43.3 | 7.8 | 0.247 | 30 | 9.6 | 1.4 | | 40 | 20 | 0.076 | |
| 8 | 3712 | 21 | 5.7 | 7.7 | 193 | 1.6 | 0.008 | 10 | 160 | 5.1 | 63 | 10.8 | 0.141 | 58 | 20 | 1.9 | | 160 | 20 | 0.073 | |
| 9 | 2052 | 21 | 6.8 | 7.5 | 128 | 1.5 | 0.02 | 11 | 75 | 12.8 | 68.9 | 19.6 | 0.38 | 56 | 17.6 | 2.9 | | 70 | 70 | 0.12 | |
| | 2053 | 21 | 6.8 | 7.2 | 137 | 1.57 | 0.022 | 11 | 75 | 15.8 | 63 | 20.6 | 0.426 | 58 | 20 | 1.9 | | 70 | 40 | 0.123 | |