

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

**JANUARY
2022**



MIZORAM STATE POLLUTION CONTROL BOARD

DETAILS OF POLLUTED LOCATIONS & RESULTS OF FIELD PARAMETERS FOR THE MONTH OF January, 2022

| 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 | 17-01-2022 | 10:45 | | Domestic | | | Clear | 0.9 | Washing | | Turbid | Odourless | 1.1 |
| 2 | 3709 | Tlawng River, Sairang | Sairang Village, Aizawl District, Mizoram | 92°39'10"E | 23°48'49"N | 80m | 25-01-2022 | 11:15 | | Agriculture | | | Clear | 1 | | | Clear | 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 | 19-01-2022 | 02:15 | | Agriculture | Domestic | | Clear | 0.7 | Washing, Domestic Purpose | | Clear | Odourless | 0.1 |
| | 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 | 19-01-2022 | 15:15 | | Agriculture | Drinking Water Source | | Clear | 3.2 | Dwelling, Vehicular Movement | | 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 | 03-01-2022 | 01:30 | | 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 | 17-01-2022 | 11:00 | | Agriculture | Drinking Water Source | | Clear | 2.12 | | | Pale yellow | Odourless | 0.53 |
| 4 | 3720 | Tuivawl River | Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram | 93°2'6"E | 23°38'31"N | 500m | 15.01.2022 | 12:45 | | 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 | 24-01-2022 | 11:33 | | Domestic | | | Cloudy | 0.2 | | | Light Brown | Pungent | 0.3 |
| 6 | 3735 | Mat River | Near Mat Bridge, Dawn Village, Lunglei District, Mizoram | 92°52'19.7"E | 22°53'58.4"N | 380m | 19-01-2022 | 10:45 | | Agriculture | Washing, Domestic Purpose | | Clear | 1.1 | Plantation, Gardening | | Clear | Odourless | 0.3 |
| 7 | 3740 | Saikah stream | Saikah Village, Lawngtlai, Mizoram | 92°53'40.1"E | 22°27'21.3"N | 800m | 31-01-2022 | 10:30 | | Domestic | Drinking Water Source | | Clear | 0.2 | Wasing | | Clear | Odourless | 0.3 |
| 8 | 3712 | Tuikual Stream | Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram | 92°39'46"E | 23°42'57"N | 270m | 10-01-2022 | 12:55 | | Domestic | | | Clear | 1 | | | Clear | Odourless | 0.3 |
| 9 | 2052 | Tuirial U/s, Aizawl | Tuirial Village, upstream of Tuirial Bridge | 92°47'58.25"E | 23°43'8.99"N | 187m | 14-01-2022 | 01:26 | | Agriculture | | | Clear | 0.5 | Fishing | | Clear | 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 | 14-01-2022 | 01:30 | | Agriculture | | | Clear | 0.3 | Fishing | | Clear | Odourless | 0.5 |

**WATER QUALITY DATA OF 9(NINE) POLLUTED RIVER STRETCHES
FOR THE MONTH OF JANUARY, 2022**

| 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 | 4.56 | 7.6 | 149 | 0.37 | 0.013 | 75 | 2400 | 4.7 | 95.9 | 9.8 | 0.106 | 72 | 25.6 | 1.9 | | | 70 | 10 | 0.071 |
| 2 | 3709 | 17 | 9 | 5.8 | 127 | 1.8 | 0.019 | 44 | 2400 | 8 | 81.6 | 11.8 | 0.277 | 60 | 4 | 12 | | | 40 | 10 | 0.02 |
| | 3734 | 12 | 7.1 | 7.8 | 165 | 1.2 | 0.016 | 7.3 | 120 | 3.3 | 20.4 | 7.8 | 0.118 | 16 | 1.6 | 2.9 | | | 30 | 10 | 0.061 |
| | 3736 | 14 | 7.4 | 7.2 | 175 | 1.5 | 0.009 | 12 | 210 | 3.2 | 51 | 22.6 | 0.106 | 26 | 9.6 | 0.5 | | | 50 | 10 | 0.065 |
| | 3754 | 14 | 6.4 | 7.7 | 152 | 0.9 | 0.02 | 35 | 460 | 14.1 | 98.4 | 9.8 | 0.304 | 70 | 16 | 7.2 | | | 80 | 30 | 0.086 |
| 3 | 3757 | 18 | 4.2 | 7.9 | 179 | 0.264 | 0.027 | 15 | 460 | 3.4 | 40.8 | 6.9 | 0.236 | 24 | 8 | 1 | | | 30 | 10 | 0.049 |
| 4 | 3720 | 14 | 7.6 | 7.2 | 183 | 1.3 | 0.027 | 3.6 | 44 | 4.4 | 71.4 | 8.8 | 0.46 | 36 | 12 | 1.4 | | | 50 | 10 | 0.076 |
| 5 | 3718 | 19 | 3.3 | 7.6 | 474 | 3.3 | 0.431 | 44 | 2400 | 23.2 | 175.5 | 65.7 | 0.54 | 160 | 54.4 | 5.8 | | | 220 | 10 | 0.681 |
| 6 | 3735 | 15 | 7.3 | 7.2 | 142 | 0.8 | 0.009 | 3 | 64 | 3.5 | 20.4 | 6.9 | 0.114 | 10 | 0.8 | 1.9 | | | 30 | 10 | 0.066 |
| 7 | 3740 | 12 | 7.1 | 8.1 | 155 | 0.7 | 0.01 | 3 | 53 | 3.8 | 24.5 | 3.9 | 0.258 | 26 | 4.8 | 3.4 | | | 40 | 10 | 0.087 |
| 8 | 3712 | 19 | 8.6 | 8.3 | 248 | 1.2 | 0.009 | 160 | 2400 | 3.8 | 71.4 | 6.9 | 0.201 | 56 | 16.8 | 3.4 | | | 200 | 10 | 0.08 |
| 9 | 2052 | 19 | 5.5 | 7.9 | 181 | 0.9 | 0.009 | 9.1 | 23 | 4.3 | 81.6 | 10.8 | 0.224 | 66 | 20 | 3.8 | | | 90 | 10 | 0.106 |
| | 2053 | 19 | 5.3 | 8.1 | 136 | 0.82 | 0.011 | 9.1 | 23 | 5.1 | 81.6 | 10.8 | 0.239 | 60 | 22.4 | 1 | | | 100 | 10 | 0.109 |