

MIZORAM WATER DATA

JULY

2018

**Water Quality Data of Polluted River
stretches in Mizoram
Identified by Central Pollution Control Board**



MIZORAM STATE POLLUTION CONTROL BOARD

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD FOR THE MONTH OF JULY 2018**

| 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 | 2052 | Tuirial U/s, Aizawl | Tuirial Village, upstream of Tuirial Bridge | 92°47'58.25"E | 23°43'8.99"N | 187m | 09.07.2018 | 11:45 | | Agriculture | | | Clear | 0.5 | Fishing | | Pale Yellow | Odourless | 0.8 |
| 2 | 2053 | Tuirial L/s Aizawl | Tuirial Village, downstream of Tuirial Bridge | 92°47'57.92"E | 23°43'5.22"N | 185m | 09.07.2018 | 11:55 | | Agriculture | | | Clear | 0.5 | Fishing | | Pale Yellow | Odourless | 0.7 |
| 3 | 3709 | Tlawng River, Sairang | Sairang Village, Aizawl District, Mizoram | 92°39'10"E | 23°48'49"N | 80m | 11.07.2018 | 11:50 | | Agriculture | | | Clear | 0.5 | Sand collection | | Pale Yellow | Odourless | 0.7 |
| 4 | 3712 | Tuikual Stream | Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram | 92°39'46"E | 23°42'57"N | 270m | 16.07.2018 | 11:00 | | Domestic | | | Clear | 0.4 | | | Pale Yellow | Odourless | 0.4 |
| 5 | 3718 | Chite River | Near Mini Sports Complex, Armed Veng, Aizawl, Mizoram | 92°44'17.5"E | 23°43'59.2"N | 680m | 02.07.2018 | 10:45 | | Domestic | | | Clear | 0.4 | | | Colourless | Odourless | 0.5 |
| 6 | 3720 | Tuivawl River | Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram | 93°2'6"E | 23°38'31"N | 500m | 16.07.2018 | 12:30 | | Agriculture | | | Clear | 2.2 | Washing & Bathing | | Dark colour | Odourless | 1.5 |
| 7 | 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 | 18.07.2018 | 3:00 | | Agriculture | | | Clear | 1.7 | Fishing | | Colourless | Odourless | 0.4 |
| 8 | 3735 | Mat River | Near Mat Bridge, Dawn Village, Lunglei District, Mizoram | 92°52'19.7"E | 22°53'58.4"N | 380m | 18.07.2018 | 9:45 | | Agriculture | | | Clear | 4 | Fishing | | Colourless | Odourless | 0.8 |
| 9 | 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 | 18.07.2018 | 2:45 | | Agriculture | | Drinking Water Source | Clear | 3.5 | Fishing | | Colourless | Odourless | 0.3 |
| 10 | 3740 | Saikah stream | Saikah Village, Lawngtlai, Mizoram | 92°53'40.1"E | 22°27'21.3"N | 800m | 07.07.2018 | 12:40 | | Agriculture | | Drinking Water Source | Clear | 0.4 | | | Colourless | Odourless | 0.3 |
| 11 | 3754 | Tlawng River, Downstream, Bairabi | Bairabi Village, Kolasib District, Mizoram | 92°32'14.3"E | 24°10'44.7"N | 40m | 09.07.2018 | 12:00 | | Agriculture | | | Clear | 3 | Fishing | | Colourless | Odourless | 1 |
| 12 | 3756 | Tiau River | Near Boundary Tiau Bridge, Zokhawthar Village, Champhai District, Mizoram | 93°23'31.0"E | 23°21'42.8"N | 720m | 24.07.2018 | 11:10 | | Domestic | | | Clear | 0.4 | Washing | | Colourless | Odourless | 0.7 |
| 13 | 3757 | Tuipui River | Near P.H.E Treatment Plant, Champhai District, Mizoram | 93°16'27"E | 23°30'18.8"N | 800m | 24.07.2018 | 1:40 | | Agriculture | | Drinking Water Source | Clear | 0.8 | | | Colourless | Odourless | 1.1 |

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD FOR THE MONTH OF JULY YEAR 2018**

| 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) | 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 |
| 1 | 2052 | 28 | 5.6 | | 311 | 1 | 0.028 | 0 | 2400 | 2.8 | 25.7 | 6.8 | 0.333 | 34 | 8.8 | 2.9 | | | | 0.118 |
| 2 | 2053 | 28 | 5.5 | | 277 | 0.9 | 0.024 | 0 | 2400 | 3.4 | 27.6 | 7.7 | 0.186 | 36 | 8.8 | 3.4 | | | | 0.128 |
| 3 | 3709 | 27 | 5.6 | | 114 | 1.1 | 0.019 | 0 | 2400 | 2.8 | 31.3 | 6.8 | 0.27 | 42 | 9.6 | 4.3 | | | | 0.111 |
| 4 | 3712 | 26 | 5 | | 187 | 1.2 | 0.021 | | | 2.9 | 57 | 36.6 | 0.243 | 76 | 20 | 6.1 | | | | 0.116 |
| 5 | 3718 | 25 | 3.8 | | 214 | 1.2 | 0.026 | | | 0.2 | 121.3 | 63.8 | 0.312 | 142 | 43.2 | 8.2 | | | | 0.075 |
| 6 | 3720 | 27 | 7.1 | 7.2 | 162 | 1.7 | 0.026 | | | 2.8 | 25.7 | 6 | 0.186 | 34 | 8 | 3.4 | | | | 0.056 |
| 7 | 3734 | 24 | 8.1 | | 127 | 1.3 | 0.028 | | | 0.2 | 23.9 | 8.5 | 0.16 | 32 | 8.8 | 2.4 | | | | 0.107 |
| 8 | 3735 | 23 | 7.4 | | 138 | 1.2 | 0.024 | | | 0.2 | 23.9 | 7.7 | 0.156 | 34 | 8 | 3.4 | | | | 0.102 |
| 9 | 3736 | 22 | 7 | | 124 | 1.4 | 0.02 | | | 0.1 | 33.1 | 8.5 | 0.27 | 44 | 10.4 | 4.3 | | | | 0.102 |
| 10 | 3740 | 23 | 8.1 | | 124 | 1.6 | 0.014 | | | 0 | 25.7 | 6.8 | 0.171 | 34 | 8 | 3.4 | | | | 0.107 |
| 11 | 3754 | 20 | 3.3 | | 122 | 1.9 | 0.033 | | | 0.3 | 23.9 | 6.8 | 0.247 | 30 | 8 | 2.4 | | | | 0.164 |
| 12 | 3756 | 20 | 5.8 | | 266 | 1.4 | 0.032 | | | 0.2 | 27.6 | 7.7 | 0.141 | 36 | 8.8 | 3.4 | | | | 0.109 |
| 13 | 3757 | 21 | 6.1 | | 122 | 1.2 | 0.022 | | | 0.4 | 25.7 | 8.5 | 0.346 | 34 | 8.8 | 2.9 | | | | 0.073 |