

MIZORAM WATER DATA

JANUARY

2016

**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 JANUARY 2016**

| 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 | 20.01.2016 | 11:50 | | Agriculture | | | Clear | 0.4 | | Colourless | Odourless | 0.3 | |
| 2 | 2053 | Tuirial L/s Aizawl | Tuirial Village, downstream of Tuirial Bridge | 92°47'57.92"E | 23°43'5.22"N | 185m | 20.01.2016 | 12:10 | | Agriculture | | | Clear | 0.5 | | Colourless | Odourless | 0.3 | |
| 3 | 3709 | Tlawng River, Sairang | Sairang Village, Aizawl District, Mizoram | 92°39'10"E | 23°48'49"N | 80m | 18.01.2016 | 01:30 | | Agriculture | | | Clear | 3.1 | | Colourless | Odourless | 0.8 | |
| 4 | 3712 | Tuikual Stream | Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram | 92°39'46"E | 23°42'57"N | 270m | 19.01.2016 | 02:40 | | Domestic | | | Clear | 0.4 | | Colourless | Odourless | 0.9 | |
| 5 | 3718 | Chite River | Near Mini Sports Complex, Armed Veng, Aizawl, Mizoram | 92°44'17.5"E | 23°43'59.2"N | 680m | 13.01.2016 | 11:55 | | Domestic | | | Clear | 0.4 | | Colourless | Odourless | 1.2 | |
| 6 | 3720 | Tuivawl River | Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram | 93°2'6"E | 23°38'31"N | 500m | 15.01.2016 | 08:54 | | Agriculture | | | Clear | 0.3 | | Colourless | Odourless | 0.2 | |
| 7 | 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 | 27.01.2016 | 11:50 | | Agriculture | | | Clear | 0.5 | | Colourless | Odourless | 1.5 | |
| 8 | 3735 | Mat River | Near Mat Bridge, Dawn Village, Lunglei District, Mizoram | 92°52'19.7"E | 22°53'58.4"N | 380m | 27.01.2016 | 12:40 | | Agriculture | | | Clear | 0.4 | | Colourless | Odourless | 2.1 | |
| 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 | 27.01.2016 | 02:10 | | Agriculture | | Drinking Water Source | Clear | 2 | | Colourless | Odourless | 0.2 | |
| 10 | 3740 | Saikah stream | Saikah Village, Lawngtlai, Mizoram | 92°53'40.1"E | 22°27'21.3"N | 800m | 28.01.2016 | 02:43 | | Agriculture | | Drinking Water Source | Clear | 0.2 | | Colourless | Odourless | 2.5 | |
| 11 | 3754 | Tlawng River, Downstream, Bairabi | Bairabi Village, Kolasib District, Mizoram | 92°32'14.3"E | 24°10'44.7"N | 40m | 19.01.2016 | 11:30 | | Agriculture | | | Clear | 1 | | Colourless | Odourless | 0.5 | |
| 12 | 3756 | Tiau River | Near Boundary Tiau Bridge, Zokhawthar Village, Champhai District, Mizoram | 93°23'31.0"E | 23°21'42.8"N | 720m | 15.01.2016 | 12:40 | | Domestic | | | Clear | 0.45 | | Colourless | Odourless | 0.6 | |
| 13 | 3757 | Tuipui River | Near P.H.E Treatment Plant, Champhai District, Mizoram | 93°16'27"E | 23°30'18.8"N | 800m | 15.01.2016 | 01:10 | | Agriculture | | Drinking Water Source | Clear | 0.61 | | Colourless | Odourless | 0.5 | |

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD FOR THE MONTH OF JANUARY 2016**

| 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 | 12 | 6.3 | 6.7 | 525 | 1.3 | 0.123 | | | 0.2 | 95 | 7.9 | 0.414 | 90 | 24 | 7.2 | 33 | 120 | 60 | 0.395 |
| 2 | 2053 | 12 | 6.6 | 6.8 | 545 | 1.4 | 0.158 | | | 0.3 | 89.1 | 8.9 | 0.942 | 84 | 19.2 | 8.6 | 42 | 130 | 60 | 0.512 |
| 3 | 3709 | 15 | 7 | 7.2 | 77 | 1.4 | 0.063 | | | 0 | 29.7 | 8.9 | 0.338 | 80 | 20 | 7.2 | 47 | 120 | 60 | 0.178 |
| 4 | 3712 | 14 | 6.3 | 6.8 | 224 | 1.3 | 0.097 | | | 0.6 | 75.2 | 5.9 | 0.745 | 70 | 18.4 | 5.7 | 33.5 | 110 | 50 | 0.162 |
| 5 | 3718 | 14 | 6.1 | 7.1 | 213 | 1.3 | 0.098 | | | 3.1 | 77.2 | 10.5 | 0.403 | 78 | 21.6 | 8.1 | 30 | 130 | 70 | 0.314 |
| 6 | 3720 | 11 | 9.2 | 7.5 | 271 | 2.1 | 0.058 | | | 3 | 83.1 | 8.9 | 0.342 | 80 | 20 | 7.2 | 24 | 120 | 60 | 0.188 |
| 7 | 3734 | 13 | 4.6 | 7.1 | 56 | 1.4 | 0.064 | | | 0.2 | 49.5 | 9.9 | 0.726 | 60 | 14.4 | 5.7 | 19 | 110 | 50 | 0.175 |
| 8 | 3735 | 13 | 6.2 | 7 | 133 | 1.9 | 0.06 | | | 0.1 | 54.3 | 5.9 | 0.464 | 62 | 14.4 | 6.2 | 27 | 120 | 50 | 0.076 |
| 9 | 3736 | 14 | 6.7 | 7.3 | 145 | 1.7 | 0.067 | | | 0.6 | 52.1 | 9.3 | 0.456 | 58 | 16.8 | 5.8 | 24 | 120 | 60 | 0.123 |
| 10 | 3740 | 15 | 6.6 | 7.4 | 322 | 0.9 | 0.096 | | | 0.6 | 29.7 | 46 | 0.578 | 46 | 12 | 3.8 | 15 | 90 | 40 | 0.13 |
| 11 | 3754 | 18 | 6.7 | 6.3 | 114 | 0.9 | 0.071 | | | 0.3 | 45.5 | 7.9 | 0.084 | 54 | 12 | 5.7 | 61 | 130 | 30 | 0.2 |
| 12 | 3756 | 16 | 9 | 7.5 | 161 | 2.9 | 0.091 | | | 1.1 | 99 | 10.9 | 0.661 | 46 | 21.6 | 7.6 | 29 | 140 | 50 | 0.046 |
| 13 | 3757 | 15 | 8.2 | 7.5 | 158 | 1.8 | 0.133 | | | 0.5 | 43.5 | 7.9 | 0.813 | 60 | 13.6 | 6.2 | 37 | 140 | 70 | 0.36 |