

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: JULY 2015**

| Sl. No. | PARAMETER | RESULT | | | | | |
|---------|--|----------------------------|--|-----------------------|-----------------------|-----------------------|-----------------------|
| | | STATION CODE: 2050 | STATION CODE: 2051 | STATION CODE: 2052 | STATION CODE: 2053 | STATION CODE: 2054 | STATION CODE: 2055 |
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Weather | Clear | Clear | Clear | Clear | Clear | Clear |
| 2 | Depth of water body (m) | 1.5 | 2 | 0.2 | 0.3 | 0.4 | 1.5 |
| 3 | Colour | Pale yellow | Pale yellow | Pale Yellow | Pale Yellow | Colourless | Pale green |
| 4 | Odour | odourless | Odourless | Odourless | Odourless | Odourless | Odourless |
| 5 | Velocity of Flow(m/sec) | 2 | 2.5 | 0.3 | 0.3 | N/A | N/A |
| 6 | Water Temp. (°C) | 22 | 22 | 25 | 25 | 21 | 18 |
| 7 | D.O(mg/L) | 6.8 | 6.4 | 6.4 | 6.1 | 6.4 | 1.7 |
| 8 | Major polluting sources | Agriculture | Agriculture | Agriculture | Agriculture | Domestic | Domestic |
| 9 | Use of water at or in down stream of monitoring stations | Use as public water supply | Water treatment plant located near the station | - | - | Washing | Washing |

CORE PARAMETERS

| | | | | | | | |
|----|---|-----|-----|------|-------|-------|-----|
| 10 | pH | 7.4 | 7.3 | 7.9 | 7.9 | 6.3 | 6.8 |
| 11 | Conductivity(us/cm) | 88 | 100 | 174 | 187 | 450 | 651 |
| 12 | BOD (mg/L) | 1.5 | 1.4 | 1.2 | 1.4 | 1.4 | 0.5 |
| 13 | Nitrogen- Nitrite (N-NO ₂) (mg/L) | | | 0.04 | 0.036 | 0.114 | |
| 14 | Faecal Coliform | NA | NA | NA | NA | NA | NA |
| 15 | Total Coliform | NA | NA | NA | NA | NA | NA |

GENERAL PARAMETERS

| | | | | | | | |
|----|--|------|------|-------|-------|-------|-------|
| 16 | Turbidity (NTU) | | | | | | |
| 17 | Alkalinity (mg/L) | 29.7 | 25.7 | 53.4 | 53.4 | 15.8 | 122.7 |
| 18 | Chloride (mg/L) | 7.5 | 7.5 | 7.5 | 7.5 | 32.6 | 62.9 |
| 19 | Nitrogen Ammonia (N-NH ₃) (mg/L) | | | 0.266 | 0.201 | 0.388 | |
| 20 | Total hardness (mg/L) | 50 | 54 | 42 | 44 | 70 | 170 |
| 21 | Calcium (mg/L) | 10.4 | 12 | 12 | 12 | 16.8 | 52 |
| 22 | Magnesium (mg/L) | 5.7 | 5.7 | 2.8 | 3.3 | 6.7 | 9.6 |
| 23 | Sodium (mg/L) | 13.5 | 14 | 36 | 36 | 43.5 | 96.5 |
| 24 | TDS (mg/L) | 120 | 140 | 130 | 140 | 90 | 90 |
| 25 | TSS (mg/L) | 50 | 60 | 60 | 60 | 40 | 40 |
| 26 | Phosphate (mg/L) | | | 0.032 | 0.027 | 0.073 | |

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| Sl. No. | PARAMETER | RESULT | | | | | |
|---------|--|-----------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | STATION CODE: 3709 | STATION CODE: 3710 | STATION CODE: 3711 | STATION CODE: 3712 | STATION CODE: 3713 | STATION CODE: 3714 |
| | | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | Weather | Cloudy | Clear | Clear | Clear | Clear | Clear |
| 2 | Depth of water body (m) | 0.3 | 1.2 | N/A | 2.3 | 0.5 | |
| 3 | Colour | Pale yellow | Pale yellow | Colourless | Pale yellow | Colourless | Colourless |
| 4 | Odour | Odourless | Odourless | Odourless | Odourless | Odourless | Odourless |
| 5 | Velocity of Flow(m/sec) | 0.3 | 3 | 3 | 2.5 | N/A | |
| 6 | Water Temp. (°C) | 24 | 21 | 21 | 22 | 18 | |
| 7 | D.O(mg/L) | 7.1 | 6.6 | 7.8 | 6.5 | 4.9 | |
| 8 | Major polluting sources | Agriculture | Agriculture | Agriculture | Agriculture | Domestic | Agriculture |
| 9 | Use of water at or in down stream of monitoring stations | | Use as public water supply | | | | |

CORE PARAMETERS

| | | | | | | | |
|----|---|-------|-----|-----|-----|------|-------|
| 10 | pH | 7.9 | 7.2 | 7.8 | 7.3 | 7 | 7.7 |
| 11 | Conductivity(us/cm) | 117 | 181 | 37 | 132 | 675 | 68 |
| 12 | BOD (mg/L) | 1.4 | 1.5 | 1.7 | 1.2 | 1.1 | |
| 13 | Nitrogen- Nitrite (N-NO ₂) (mg/L) | 0.078 | | | | 0.05 | 0.066 |
| 14 | Faecal Coliform | NA | NA | NA | NA | NA | NA |
| 15 | Total Coliform | NA | NA | NA | NA | NA | NA |

GENERAL PARAMETERS

| | | | | | | | |
|----|--|-------|------|------|------|-------|-------|
| 16 | Turbidity (NTU) | | | | | | |
| 17 | Alkalinity (mg/L) | 35.6 | 41.5 | 23.7 | 63.3 | 43.5 | 19.8 |
| 18 | Chloride (mg/L) | 6.8 | 15.9 | 3.7 | 5.3 | 60.6 | 6.8 |
| 19 | Nitrogen Ammonia (N-NH ₃) (mg/L) | 0.327 | | | | 0.433 | 0.247 |
| 20 | Total hardness (mg/L) | 46 | 70 | 52 | 34 | 100 | 50 |
| 21 | Calcium (mg/L) | 9.6 | 18.4 | 12 | 8.8 | 28 | 11.2 |
| 22 | Magnesium (mg/L) | 5.2 | 5.7 | 5.2 | 2.8 | 7.2 | 5.2 |
| 23 | Sodium (mg/L) | 20 | 18.5 | 4.5 | 17 | 100 | 27.5 |
| 24 | TDS (mg/L) | 130 | 110 | 100 | 110 | 100 | 130 |
| 25 | TSS (mg/L) | 60 | 40 | 50 | 50 | 40 | 60 |
| 26 | Phosphate (mg/L) | 0.133 | | | | 0.55 | 0.052 |

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| Sl. No. | PARAMETER | RESULT | | | | | |
|---------|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | STATION CODE: 3715 | STATION CODE: 3716 | STATION CODE: 3717 | STATION CODE: 3718 | STATION CODE: 3719 | STATION CODE: 3720 |
| | | 13 | 14 | 15 | 16 | 17 | 18 |
| 1 | Weather | Clear | Clear | Clear | | Clear | Cloudy |
| 2 | Depth of water body (m) | N/A | 0.3 | 0.2 | | 0.5 | 0.5 |
| 3 | Colour | Pale Yellow | Pale Yellow | Pale Yellow | | Colourless | Colourless |
| 4 | Odour | Odourless | Odourless | Odourless | | Odourless | Odourless |
| 5 | Velocity of Flow(m/sec) | 0.5 | 0.4 | 0.3 | | 0.2 | 0.4 |
| 6 | Water Temp. (°C) | 25 | 24 | 25 | 22 | 24 | 24 |
| 7 | D.O(mg/L) | 6.4 | 5.6 | 4.9 | 4.9 | 10.4 | 10 |
| 8 | Major polluting sources | Agriculture | Agriculture | Agriculture | Domestic | Agriculture | Agriculture |
| 9 | Use of water at or in down stream of monitoring stations | | | | | Washing | Washing |

CORE PARAMETERS

| | | | | | | | |
|----|---|-------|-------|-------|-------|------|-------|
| 10 | pH | 7.8 | 7.7 | 7 | 8.3 | 7.6 | 7.5 |
| 11 | Conductivity(us/cm) | 183 | 186 | 174 | 831 | 103 | 105 |
| 12 | BOD (mg/L) | 1.4 | 1.1 | 0.8 | 0.9 | 2.1 | 1.8 |
| 13 | Nitrogen- Nitrite (N-NO ₂) (mg/L) | 0.046 | 0.044 | 0.041 | 0.123 | 0.08 | 0.084 |
| 14 | Faecal Coliform | NA | NA | NA | NA | NA | NA |
| 15 | Total Coliform | NA | NA | NA | NA | NA | NA |

GENERAL PARAMETERS

| | | | | | | | |
|----|--|-------|-------|-------|-------|-------|-------|
| 16 | Turbidity (NTU) | | | | | | |
| 17 | Alkalinity (mg/L) | 59.4 | 49.5 | 55.7 | 118.4 | 43.5 | 39.6 |
| 18 | Chloride (mg/L) | 6.8 | 6 | 9.1 | 58.4 | 6 | 7.5 |
| 19 | Nitrogen Ammonia (N-NH ₃) (mg/L) | 0.182 | 0.239 | 0.167 | 0.486 | 0.331 | 0.182 |
| 20 | Total hardness (mg/L) | 46 | 50 | 50 | 140 | 46 | 42 |
| 21 | Calcium (mg/L) | 11.2 | 13.6 | 14.4 | 40 | 9.6 | 11.2 |
| 22 | Magnesium (mg/L) | 4.3 | 3.8 | 3.3 | 9.4 | 5.2 | 3.3 |
| 23 | Sodium (mg/L) | 36 | 34 | 35 | 80.5 | 18.5 | 17.5 |
| 24 | TDS (mg/L) | 150 | 110 | 170 | 110 | 130 | 130 |
| 25 | TSS (mg/L) | 70 | 50 | 80 | 50 | 60 | 60 |
| 26 | Phosphate (mg/L) | 0.045 | 0.055 | 0.073 | 0.141 | 0.066 | 0.073 |

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| Sl. No. | PARAMETER | RESULT | | | | | |
|---------|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | STATION CODE: 3721 | STATION CODE: 3722 | STATION CODE: 3723 | STATION CODE: 3724 | STATION CODE: 3725 | STATION CODE: 3726 |
| | | 19 | 20 | 21 | 22 | 23 | 24 |
| 1 | Weather | Clear | Clear | Clear | Cloudy | Clear | |
| 2 | Depth of water body (m) | 0.6 | 3.5 | N/A | 0.3 | 1.2 | |
| 3 | Colour | Colourless | Pale Yellow | Colourless | Pale yellow | Colourless | |
| 4 | Odour | Mud smell | Odourless | Odourless | Odourless | Odourless | |
| 5 | Velocity of Flow(m/sec) | 1.3 | N/A | N/A | 0.4 | N/A | |
| 6 | Water Temp. (°C) | 25 | 26 | 25 | 23 | 21 | 21 |
| 7 | D.O(mg/L) | 4.6 | 4.2 | 10.1 | 6.4 | 6.4 | 5.9 |
| 8 | Major polluting sources | Domestic | Domestic | | Agriculture | Domestic | Domestic |
| 9 | Use of water at or in down stream of monitoring stations | | Fish pond | Fish pond | | Domestic | Domestic |

CORE PARAMETERS

| | | | | | | | |
|----|---|-------|-------|-------|-------|-------|-------|
| 10 | pH | 8 | 7.2 | 7.4 | 7.9 | 7.5 | 6.2 |
| 11 | Conductivity(us/cm) | 701 | 448 | 112 | 108 | 556 | 461 |
| 12 | BOD (mg/L) | 1.1 | 0.8 | 2.9 | 1.2 | 1.4 | 1.2 |
| 13 | Nitrogen- Nitrite (N-NO ₂) (mg/L) | 0.096 | 0.106 | 0.071 | 0.072 | 0.079 | 0.126 |
| 14 | Faecal Coliform | NA | NA | NA | NA | NA | NA |
| 15 | Total Coliform | NA | NA | NA | NA | NA | NA |

GENERAL PARAMETERS

| | | | | | | | |
|----|--|-------|-------|-------|-------|-------|-------|
| 16 | Turbidity (NTU) | | | | | | |
| 17 | Alkalinity (mg/L) | 91 | 29.7 | 49.5 | 33.6 | 31.6 | 19.8 |
| 18 | Chloride (mg/L) | 50 | 32.6 | 5.3 | 7.5 | 34.1 | 30.3 |
| 19 | Nitrogen Ammonia (N-NH ₃) (mg/L) | 0.315 | 0.243 | 0.353 | 0.467 | 0.433 | 0.578 |
| 20 | Total hardness (mg/L) | 114 | 70 | 50 | 42 | 60 | 72 |
| 21 | Calcium (mg/L) | 32 | 16.8 | 10.4 | 9.6 | 14.4 | 17.6 |
| 22 | Magnesium (mg/L) | 8.1 | 6.7 | 5.7 | 4.3 | 5.7 | 6.7 |
| 23 | Sodium (mg/L) | 96 | 52.5 | 18 | 20.5 | 57 | 86.5 |
| 24 | TDS (mg/L) | 120 | 130 | 120 | 120 | 110 | 80 |
| 25 | TSS (mg/L) | 60 | 50 | 50 | 60 | 40 | 30 |
| 26 | Phosphate (mg/L) | 0.133 | 0.078 | 0.113 | 0.212 | 0.141 | 0.14 |

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|---------|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | STATION CODE: 3727 | STATION CODE: 3728 | STATION CODE: 3729 | STATION CODE: 3730 | STATION CODE: 3731 | STATION CODE: 3732 |
| | | 25 | 26 | 27 | 28 | 29 | 30 |
| 1 | Weather | Clear | Clear | Rain | Rain | Rain | Rain |
| 2 | Depth of water body (m) | 0.3 | 0.6 | N/A | N/A | N/A | N/A |
| 3 | Colour | Colourless | Colourless | Colourless | Colourless | Colourless | Colourless |
| 4 | Odour | Odourless | Odourless | Odourless | Odourless | Odourless | Odourless |
| 5 | Velocity of Flow(m/sec) | N/A | N/A | N/A | N/A | N/A | N/A |
| 6 | Water Temp. (°C) | 20 | 19 | 17 | 16 | 18 | 17 |
| 7 | D.O(mg/L) | 5.9 | 5.6 | 3.5 | 3.8 | 2.1 | 1.4 |
| 8 | Major polluting sources | Domestic | Domestic | Domestic | Domestic | Domestic | Domestic |
| 9 | Use of water at or in down stream of monitoring stations | Domestic | Domestic | Washing | Washing | Washing | Washing |

CORE PARAMETERS

| | | | | | | | |
|----|---|-------|-------|-----|-----|-----|-----|
| 10 | pH | 7.2 | 6.1 | 7 | 6.9 | 6.4 | 6 |
| 11 | Conductivity(us/cm) | 597 | 304 | 453 | 403 | 790 | 568 |
| 12 | BOD (mg/L) | 1.1 | 1.1 | 0.9 | 0.8 | 0.8 | 0.7 |
| 13 | Nitrogen- Nitrite (N-NO ₂) (mg/L) | 0.067 | 0.318 | | | | |
| 14 | Faecal Coliform | NA | NA | NA | NA | NA | NA |
| 15 | Total Coliform | NA | NA | NA | NA | NA | NA |

GENERAL PARAMETERS

| | | | | | | | |
|----|--|-------|-------|-------|------|-------|------|
| 16 | Turbidity (NTU) | | | | | | |
| 17 | Alkalinity (mg/L) | 23.7 | 29.7 | 124.7 | 17.8 | 102.9 | 83.1 |
| 18 | Chloride (mg/L) | 36.4 | 16.6 | 47.7 | 22.7 | 70.5 | 7.2 |
| 19 | Nitrogen Ammonia (N-NH ₃) (mg/L) | 0.148 | 0.479 | | | | |
| 20 | Total hardness (mg/L) | 94 | 50 | 146 | 46 | 164 | 146 |
| 21 | Calcium (mg/L) | 25.6 | 10.4 | 44 | 10.4 | 52.8 | 43.2 |
| 22 | Magnesium (mg/L) | 7.2 | 5.7 | 8.6 | 4.8 | 7.6 | 9.1 |
| 23 | Sodium (mg/L) | 86.5 | 30.5 | 26 | 24.5 | 67.5 | 45 |
| 24 | TDS (mg/L) | 90 | 90 | 90 | 110 | 110 | 120 |
| 25 | TSS (mg/L) | 30 | 30 | 40 | 50 | 30 | 60 |
| 26 | Phosphate (mg/L) | 0.085 | 0.548 | | | | |

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| Sl. No. | PARAMETER | RESULT | | | | | |
|---------|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | STATION CODE: 3733 | STATION CODE: 3734 | STATION CODE: 3735 | STATION CODE: 3736 | STATION CODE: 3737 | STATION CODE: 3738 |
| | | 31 | 32 | 33 | 34 | 35 | 36 |
| 1 | Weather | Clear | Clear | Cloudy | Clear | Cloudy | Rainy |
| 2 | Depth of water body (m) | N/A | 0.5 | 3 | 3.5 | N/A | N/A |
| 3 | Colour | Colourless | Pale yellow | Pale yellow | Colourless | Colourless | Colourless |
| 4 | Odour | Odourless | Odourless | Odourless | Odourless | Odourless | Odourless |
| 5 | Velocity of Flow(m/sec) | N/A | 0.5 | 0.6 | N/A | N/A | N/A |
| 6 | Water Temp. (°C) | 18 | 25 | 23 | 25 | 17 | 18 |
| 7 | D.O(mg/L) | 2.4 | 7.5 | 8.1 | 7.8 | 7.2 | 6.8 |
| 8 | Major polluting sources | Domestic | Agriculture | Agriculture | Agriculture | Domestic | Domestic |
| 9 | Use of water at or in down stream of monitoring stations | Washing | Washing, bathing | Washing, plantation | public water supply | public water supply | Washing |

CORE PARAMETERS

| | | | | | | | |
|----|---|-------|-----|-----|-----|-----|-----|
| 10 | pH | 6 | 7.8 | 6.8 | 7.6 | 6.6 | 7.2 |
| 11 | Conductivity(us/cm) | 359 | 90 | 86 | 98 | 72 | 95 |
| 12 | BOD (mg/L) | 0.8 | 1.5 | 1.7 | 1.7 | 1.4 | 1.2 |
| 13 | Nitrogen- Nitrite (N-NO ₂) (mg/L) | 0.033 | | | | | |
| 14 | Faecal Coliform | NA | NA | NA | NA | NA | NA |
| 15 | Total Coliform | NA | NA | NA | NA | NA | NA |

GENERAL PARAMETERS

| | | | | | | | |
|----|--|-------|------|------|------|------|------|
| 16 | Turbidity (NTU) | | | | | | |
| 17 | Alkalinity (mg/L) | 59.4 | 53.4 | 29.7 | 63.3 | 33.6 | 25.7 |
| 18 | Chloride (mg/L) | 18.9 | 11.3 | 7.5 | 9.1 | 7.5 | 11.3 |
| 19 | Nitrogen Ammonia (N-NH ₃) (mg/L) | 0.201 | | | | | |
| 20 | Total hardness (mg/L) | 90 | 42 | 40 | 44 | 46 | 46 |
| 21 | Calcium (mg/L) | 25.6 | 8.8 | 9.6 | 10.4 | 9.6 | 10.4 |
| 22 | Magnesium (mg/L) | 6.2 | 4.8 | 3.8 | 4.3 | 5.2 | 4.8 |
| 23 | Sodium (mg/L) | 27.5 | 22 | 22.5 | 20.5 | 14.5 | 19 |
| 24 | TDS (mg/L) | 110 | 120 | 130 | 130 | 90 | 90 |
| 25 | TSS (mg/L) | 50 | 50 | 60 | 60 | 40 | 40 |
| 26 | Phosphate (mg/L) | 0.059 | | | | | |

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| Sl. No. | PARAMETER | RESULT | | | | | |
|---------|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | STATION CODE: 3739 | STATION CODE: 3740 | STATION CODE: 3741 | STATION CODE: 3742 | STATION CODE: 3743 | STATION CODE: 3744 |
| | | 37 | 38 | 39 | 40 | 41 | 42 |
| 1 | Weather | Rainy | Clear | Rainy | Clear | Cloudy | Rain |
| 2 | Depth of water body (m) | N/A | N/A | 0.4 | N/A | 5 | 3.1 |
| 3 | Colour | Colourless | Colourless | Colourless | Colourless | Colourless | Pale Yellow |
| 4 | Odour | Metallic smell | Odourless | Odourless | Odourless | Odourless | Odourless |
| 5 | Velocity of Flow(m/sec) | N/A | N/A | N/A | N/A | N/A | 3 |
| 6 | Water Temp. (°C) | 20 | 23 | 22 | 24 | 23 | 28 |
| 7 | D.O(mg/L) | 0.8 | 4.1 | 8 | 2.7 | 6.8 | |
| 8 | Major polluting sources | Domestic | Domestic | Domestic | Domestic | Domestic | Agriculture |
| 9 | Use of water at or in down stream of monitoring stations | Domestic | Public water supply | Domestic | Domestic | Public water supply | Public water supply |

CORE PARAMETERS

| | | | | | | | |
|----|---|-----|-----|-----|-----|-------|-------|
| 10 | pH | 7.1 | 6.9 | 7.1 | 6.8 | 9.2 | 9.2 |
| 11 | Conductivity(us/cm) | 224 | 47 | 348 | 221 | 42 | 137 |
| 12 | BOD (mg/L) | 0.4 | 1.1 | 1.7 | 0.7 | 1.9 | 1.2 |
| 13 | Nitrogen- Nitrite (N-NO ₂) (mg/L) | | | | | 0.042 | 0.066 |
| 14 | Faecal Coliform | NA | NA | NA | NA | NA | NA |
| 15 | Total Coliform | NA | NA | NA | NA | NA | NA |

GENERAL PARAMETERS

| | | | | | | | |
|----|--|-------|------|------|-------|-------|-------|
| 16 | Turbidity (NTU) | | | | | | |
| 17 | Alkalinity (mg/L) | 184.1 | 17.8 | 45.5 | 168.3 | 19.8 | 49.5 |
| 18 | Chloride (mg/L) | 11.3 | 6 | 30.3 | 8.3 | 4.5 | 3.7 |
| 19 | Nitrogen Ammonia (N-NH ₃) (mg/L) | | | | | 0.251 | 0.194 |
| 20 | Total hardness (mg/L) | 130 | 24 | 86 | 104 | 20 | 36 |
| 21 | Calcium (mg/L) | 37.6 | 5.6 | 24 | 28 | 5.6 | 8.8 |
| 22 | Magnesium (mg/L) | 8.6 | 2.4 | 6.2 | 8.1 | 1.4 | 3.3 |
| 23 | Sodium (mg/L) | 24 | 12 | 23.5 | 17.5 | 15 | 25.7 |
| 24 | TDS (mg/L) | 110 | 100 | 80 | 90 | 80 | 140 |
| 25 | TSS (mg/L) | 50 | 30 | 30 | 30 | 30 | 70 |
| 26 | Phosphate (mg/L) | | | | | 0.049 | 0.087 |

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|---------|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | STATION CODE: 3745 | STATION CODE: 3746 | STATION CODE: 3747 | STATION CODE: 3748 | STATION CODE: 3749 | STATION CODE: 3750 |
| | | 43 | 44 | 45 | 46 | 47 | 48 |
| 1 | Weather | Rain | Rain | Rain | Cloudy | Cloudy | Rain |
| 2 | Depth of water body (m) | 0.3 | 0.5 | 0.4 | 0.5 | 3 | 3 |
| 3 | Colour | Colourless | Pale yellow | Colourless | Colourless | Pale yellow | Pale yellow |
| 4 | Odour | Odourless | Odourless | Odourless | Odourless | Odourless | Odourless |
| 5 | Velocity of Flow(m/sec) | N/A | 0.7 | 0.5 | N/A | 4 | 3 |
| 6 | Water Temp. (°C) | 28 | 21 | 20 | 19 | 28 | 25 |
| 7 | D.O(mg/L) | 7 | 6.8 | 7.1 | 6.8 | | |
| 8 | Major polluting sources | Domestic | Domestic | Domestic | Domestic | Agriculture | Agriculture |
| 9 | Use of water at or in down stream of monitoring stations | Domestic | Public water supply | Washing | Domestic | Public water supply | Washing |

CORE PARAMETERS

| | | | | | | | |
|----|---|-------|-----|-----|-----|-----|-----|
| 10 | pH | 8.2 | 9.5 | 7.4 | 6.7 | 7.3 | 7.3 |
| 11 | Conductivity(us/cm) | 337 | 58 | 86 | 103 | 202 | 85 |
| 12 | BOD (mg/L) | 0.5 | | | | | |
| 13 | Nitrogen- Nitrite (N-NO ₂) (mg/L) | 0.059 | | | | | |
| 14 | Faecal Coliform | NA | NA | NA | NA | NA | NA |
| 15 | Total Coliform | NA | NA | NA | NA | NA | NA |

GENERAL PARAMETERS

| | | | | | | | |
|----|--|-------|------|------|------|-------|------|
| 16 | Turbidity (NTU) | | | | | | |
| 17 | Alkalinity (mg/L) | 23.7 | 23.7 | 35.6 | 31.6 | 184.1 | 69.3 |
| 18 | Chloride (mg/L) | 25 | 3.7 | 5.3 | 5.3 | 18.9 | 7.5 |
| 19 | Nitrogen Ammonia (N-NH ₃) (mg/L) | 0.255 | | | | | |
| 20 | Total hardness (mg/L) | 64 | 20 | 30 | 26 | 124 | 50 |
| 21 | Calcium (mg/L) | 15.2 | 4.8 | 7.2 | 6.4 | 36 | 11.2 |
| 22 | Magnesium (mg/L) | 6.2 | 1.9 | 2.8 | 2.4 | 8.1 | 5.2 |
| 23 | Sodium (mg/L) | 36 | 31 | 27 | 19 | 27.5 | 19 |
| 24 | TDS (mg/L) | 90 | 130 | 120 | 90 | 110 | 130 |
| 25 | TSS (mg/L) | 40 | 60 | 50 | 30 | 50 | 60 |
| 26 | Phosphate (mg/L) | 0.065 | | | | | |

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| Sl. No. | PARAMETER | RESULT | | | | | |
|---------|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | STATION CODE: 3751 | STATION CODE: 3752 | STATION CODE: 3753 | STATION CODE: 3754 | STATION CODE: 3755 | STATION CODE: 3756 |
| | | 49 | 50 | 51 | 52 | 53 | 54 |
| 1 | Weather | Rain | Cloudy | Hot | Clear | Clear | Cloudy |
| 2 | Depth of water body (m) | 3 | 1.2 | 0.68 | 2 | 1 | 2.5 |
| 3 | Colour | Pale yellow | Colourless | Colourless | Brown | Pale Green | Colourless |
| 4 | Odour | Odourless | Odourless | Odourless | Odourless | Odourless | Odourless |
| 5 | Velocity of Flow(m/sec) | 4 | 0.25 | N/A | 0.6 | N/A | 0.8 |
| 6 | Water Temp. (°C) | 24 | 26 | 23 | 25 | 26 | 22 |
| 7 | D.O(mg/L) | | 7.2 | | 3.8 | 1.9 | 12.9 |
| 8 | Major polluting sources | Agriculture | Agriculture | Domestic | Agriculture | Domestic | Domestic |
| 9 | Use of water at or in down stream of monitoring stations | Domestic | Public water supply | Washing | Domestic | Fish pond | Washing |

CORE PARAMETERS

| | | | | | | | |
|----|---|-----|-------|-------|------|-------|-------|
| 10 | pH | 7.2 | 7.6 | 6.1 | 7.1 | 7.2 | 8.6 |
| 11 | Conductivity(us/cm) | 114 | 137 | 91 | 133 | 188 | 240 |
| 12 | BOD (mg/L) | | 1.7 | | 0.8 | 0.5 | 6.3 |
| 13 | Nitrogen- Nitrite (N-NO ₂) (mg/L) | | 0.056 | 0.046 | 0.05 | 0.086 | 0.067 |
| 14 | Faecal Coliform | NA | NA | NA | NA | NA | NA |
| 15 | Total Coliform | NA | NA | NA | NA | NA | NA |

GENERAL PARAMETERS

| | | | | | | | |
|----|--|------|-------|-------|-------|-------|-------|
| 16 | Turbidity (NTU) | | | | | | |
| 17 | Alkalinity (mg/L) | 63.3 | 49.5 | 19.8 | 53.4 | 63.3 | 73.2 |
| 18 | Chloride (mg/L) | 6.8 | 4.5 | 7.5 | 5.3 | 11.3 | 9.1 |
| 19 | Nitrogen Ammonia (N-NH ₃) (mg/L) | | 0.125 | 0.122 | 0.296 | 0.505 | 0.209 |
| 20 | Total hardness (mg/L) | 46 | 46 | 42 | 50 | 70 | 70 |
| 21 | Calcium (mg/L) | 9.6 | 9.6 | 8.8 | 12 | 18.4 | 16.8 |
| 22 | Magnesium (mg/L) | 5.2 | 5.2 | 4.8 | 4.8 | 5.7 | 6.7 |
| 23 | Sodium (mg/L) | 24 | 21.5 | 16 | 31 | 61 | 37 |
| 24 | TDS (mg/L) | 120 | 110 | 90 | 140 | 100 | 150 |
| 25 | TSS (mg/L) | 60 | 50 | 40 | 60 | 40 | 70 |
| 26 | Phosphate (mg/L) | | 0.094 | 0.024 | 0.062 | 0.109 | 0.056 |

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: JULY 2015**

| Sl. No. | PARAMETER | RESULT | |
|---------|--|-----------------------|-----------------------|
| | | STATION CODE: 3757 | STATION CODE: 3758 |
| | | 55 | 56 |
| 1 | Weather | Cloudy | Cloudy |
| 2 | Depth of water body (m) | 1 | N/A |
| 3 | Colour | turbid | Colourless |
| 4 | Odour | Odourless | Odourless |
| 5 | Velocity of Flow(m/sec) | 0.61 | N/A |
| 6 | Water Temp. (°C) | 24 | 20 |
| 7 | D.O(mg/L) | 9.1 | 1 |
| 8 | Major polluting sources | | |
| 9 | Use of water at or in down stream of monitoring stations | | |

CORE PARAMETERS

| | | | |
|----|---|-------|-------|
| 10 | pH | 7.9 | 7.5 |
| 11 | Conductivity(us/cm) | 113 | 366 |
| 12 | BOD (mg/L) | 1.4 | 0.7 |
| 13 | Nitrogen- Nitrite (N-NO ₂) (mg/L) | 0.082 | 0.084 |
| 14 | Faecal Coliform | NA | NA |
| 15 | Total Coliform | NA | NA |

GENERAL PARAMETERS

| | | | |
|----|--|-------|-------|
| 16 | Turbidity (NTU) | | |
| 17 | Alkalinity (mg/L) | 43.5 | 144.5 |
| 18 | Chloride (mg/L) | 5.3 | 9.1 |
| 19 | Nitrogen Ammonia (N-NH ₃) (mg/L) | 0.312 | 0.281 |
| 20 | Total hardness (mg/L) | 46 | 126 |
| 21 | Calcium (mg/L) | 10.4 | 36 |
| 22 | Magnesium (mg/L) | 4.8 | 8.6 |
| 23 | Sodium (mg/L) | 22 | 65 |
| 24 | TDS (mg/L) | 120 | 110 |
| 25 | TSS (mg/L) | 50 | 50 |
| 26 | Phosphate (mg/L) | 0.073 | 0.069 |