## NWMP DATA FOR THE MONTH OF JULY 2024

| Sr. No | Name Of Monitoring Location | Velocity (m/s) | Temp (°C) | DO (mg/l) | pH | Cond (µs/cm) | BOD (mg/l) | Nitrate-N (mg/l) | Nitrite-N (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | Fecal Streptococci (MPN/100ml) | E.Coli (MPN/100ml) | Turbidity (NTU) | Phenolphthalein Alkalinity (mg/l) | Total Alkalinity (mg/l) | Chlorides (mg/l) | COD (mg/l) | Total Kjeldhal Nitrogen (mg/l) | Ammonia- N (mg/l) | Total Hardness (mg/l) | Calcium (mg/l) | Magnesium (mg/l) | Sulphate (mg/l) | Sodium (Na) (mg/l) | Total Dissolved Solids (mg/l) | Total Fixed Solids (mg/l) | Total Suspended Solids (mg/l) | Phosphate (mg/l) | Boron (mg/l) | Potassium (k) (mg/l) | Flouride (mg/l) | SAR | % Sodium | Oil & Grease (mg/l) | MLSS (mg/l) | MLVSS (mg/l) | Residual Chlorine (mg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Limit for SW II as per CPCB classification based on designated best use | | | >4.0 mg/l | 6.5-8.5 | | <3.0 mg/l | | | | <100 MPN/100ml | | | 30 NTU | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | RIVER MANDOVI AT RIBANDER-CHODNA FERRY, PANAJI-GOA | 1.2 | 28 | 6.9 | 7.12 | 473 | BDL | 0.94 | 0.02 | 240 | 170 | 94 | - | 21.4 | BDL | 62.0 | 101.97 | 6.0 | 0.56 | 0.05 | 46.0 | 8.82 | 5.83 | 29.79 | 7.6 | 283.0 | 170.0 | 4.0 | 0.08 | 0.07 | 5.0 | BDL | 2.81 | 53.94 | | | | |
| 2 | RIVER MANDOVI UNDER MANDOVI BRIDGE, PANAJI-GOA | 1.4 | 28 | 7.2 | 6.88 | 971.4 | BDL | 0.306 | 0.01 | 310 | 210 | 79 | - | 16.57 | BDL | 40.0 | 399.88 | 6.0 | 1.12 | BDL | 84.0 | 13.63 | 12.15 | 36.59 | 12.4 | 524.0 | 314.0 | 4.0 | 0.031 | 0.05 | 10.4 | BDL | 3.45 | 46.93 | - | - | - | - |
| 3 | RIVER MANDOVI AT TONCA- MARCELA | 0.9 | 29 | 7.0 | 7.75 | 147.9 | BDL | 0.436 | BDL | 460 | 330 | 93 | - | 9.13 | BDL | 32.0 | 27.49 | 6.0 | 1.68 | 0.165 | 32.0 | 6.41 | 3.888 | 7.425 | 300.8 | 83.0 | 49.0 | 20.0 | 0.085 | BDL | 200.1 | BDL | 132.56 | 97.99 | - | - | - | - |
| 4 | CUMBARJUA CANAL CORLIM(DISCHARGE POINT OF SYNGENTA) | - | 29 | 6.7 | 7.87 | 343.0 | BDL | 0.493 | BDL | 540 | 240 | 79 | - | 10.14 | BDL | 26.0 | 82.97 | 6.0 | 0.56 | 0.073 | 50.0 | 7.21 | 7.776 | 13.09 | 200.0 | 192.0 | 115.0 | 22.0 | 0.075 | BDL | 115.2 | BDL | 73.06 | 95.46 | - | - | - | - |
| 5 | RIVER MAPUSA ON CULVERT ON HIGHWAY MAPUSA-PANAJI | 0.2 | 28 | 2.3 | 6.8 | 162.4 | 3.2 | 0.4 | 0.017 | 4900 | 3300 | 260 | - | 12.91 | BDL | 44.0 | 19.0 | 20 | 3.36 | 0.15 | 44.0 | 12.0 | 3.4 | 18.0 | 17.4 | 103.0 | 46.0 | 23.0 | 0.06 | BDL | 7.0 | 0.2 | 6.265 | 61.26 | - | - | - | - |
| 6 | RIVER MANDOVI AT AMONA BRIDGE, AMONA-GOA | 0.9 | 29 | 5.6 | 7.40 | 237.3 | BDL | 0.504 | BDL | 230 | 130 | 92 | - | 8.16 | BDL | 22.0 | 50.98 | 6.0 | 1.12 | BDL | 40.0 | 6.41 | 5.832 | 16.371 | 500.2 | 133.0 | 79.0 | 16.0 | 0.056 | BDL | 250.1 | BDL | 202.18 | 98.39 | - | - | - | - |
| 7 | RIVER MANDOVI AT IFFI JETTY, PANAJI-GOA | 1 | 29 | 7.2 | 8.65 | 27350.00 | BDL | 0.2 | 0.010 | 320 | 170 | 94 | - | 17.63 | BDL | 66.0 | 12246.2 | - | 1.12 | BDL | 5000.0 | 320.6 | 1020.6 | 697.8 | 101.0 | 15400.0 | 5236.0 | 32.0 | 0.07 | 1.50 | 17.0 | 0.8 | 3.9 | 8.1 | - | - | - | - |
| 8 | RIVER MANDOVI NEAR HOTEL MARRIOT, PANAJI-GOA | 1.2 | 29 | 7.7 | 8.36 | 23650.00 | BDL | 0.2 | 0.01 | 230 | 130 | 79 | - | 16.61 | BDL | 60.0 | 9247.1 | - | 0.56 | 0.06 | 5000.0 | 400.8 | 972.0 | 539.7 | 92.9 | 13960.0 | 4746.0 | 30.0 | 0.05 | 1.32 | 15.3 | 0.9 | 3.6 | 7.3 | - | - | - | - |
| 9 | RIVER TIRACOL AT TIRACOL, PERNEM-GOA | 0.9 | 30 | 8.1 | 7.62 | 4370.0 | BDL | 0.1 | 0.008 | 7900 | 3300 | 210 | - | 20.1 | BDL | 38.0 | 1699.47 | 8.0 | 0.56 | BDL | 422.0 | 31.26 | 83.6 | BDL | 2384.0 | 2463.0 | 1479.0 | 23.0 | 0.02 | 0.27 | 1059.0 | 0.4 | 314.58 | 96.77 | - | - | - | - |
| 10 | RIVER CHAPORA AT SIOLIM BRIDGE, SIOLIM | 1.2 | 29 | 7.2 | 7.81 | 2399 | BDL | 0.2 | 0.006 | 240 | 79 | 33 | - | 9.43 | BDL | 30.0 | 799.75 | 4.0 | 0.56 | BDL | 232 | 19.24 | 44.7 | BDL | 972.0 | 1357.0 | 815.0 | 11.0 | 0.03 | 0.14 | 419.0 | 0.3 | 171.91 | 95.61 | - | - | - | - |
| 11 | RIVER SINQUERIM CANDOLIM NEAR BRIDGE, CANDOLIM-GOA | 0.8 | 31 | 6.8 | 7.72 | 15860.0 | BDL | 0.9 | 0.035 | 2700 | 1700 | 140 | | 9.82 | BDL | 50.0 | 4623.6 | - | 2.8 | BDL | 2400.0 | 320.6 | 388.8 | 395.1 | 3975.0 | 10729.0 | 3579.0 | 24.0 | 0.03 | 1.05 | 1625.0 | 0.6 | 211.1 | 88.8 | - | - | - | - |
| 12 | RIVER SINQUERIM NEAR NERUL TEMPLE ,CANDOLIM-GOA | 0.8 | 31 | 6.8 | 7.64 | 15770.0 | BDL | 0.8 | 0.032 | 3300 | 2100 | 170 | - | 10.90 | BDL | 50.0 | 4623.60 | - | 3.4 | BDL | 2600.0 | 240.1 | 486.0 | 387.7 | 3860.0 | 9867.0 | 3291.0 | 22.0 | 0.03 | 1.11 | 1585.0 | 0.7 | 202.5 | 88.1 | - | - | - | - |
| 13 | TIRACOL BEACH, PERNEM-GOA | - | 29 | 7.3 | 7.36 | 28930.0 | BDL | 0.1 | 0.021 | 350 | 130 | 94 | - | 18.24 | BDL | 64.0 | 9247.13 | - | 2.80 | 0.19 | 3000.0 | 240.48 | 583.2 | 998.97 | 4231.0 | 17382.0 | 10433.0 | 15.0 | 0.04 | 1.89 | 1912.0 | 1.2 | 208.49 | 88.18 | - | - | - | - |
| 14 | MIRAMAR BEACH, PANAJI-GOA | - | 29 | 6.0 | 8.55 | 16700.0 | BDL | 0.3 | 0.042 | 170 | 94 | 46 | - | 58.3 | BDL | 54.0 | 7997.5 | - | 1.68 | 0.05 | 4500.0 | 160.3 | 996.3 | 366.80 | 69.2 | 9789.0 | 3328.0 | 109.0 | 0.10 | 1.2 | 12.4 | 0.8 | 2.9 | 6.6 | - | - | - | - |
| 15 | CALANGUTE BEACH | - | 30 | 6.6 | 7.18 | 37180.0 | BDL | 0.7 | 0.055 | 240 | 130 | 79 | - | 22.30 | 4.0 | 80.0 | 15995.0 | - | 3.4 | BDL | 4600.0 | 400.8 | 874.8 | 2035.2 | 5210.0 | 24486.0 | 8167.0 | 49.0 | 0.04 | 2.65 | 1950.0 | 1.2 | 184.1 | 84.9 | - | - | - | - |
| 16 | MORJIM BEACH | - | 30 | 7.6 | 7.03 | 32680.0 | BDL | 0.1 | 0.015 | 220 | 79 | 49 | - | 10.53 | BDL | 68.0 | 14495.51 | - | 1.68 | BDL | 4200.0 | 320.64 | 826.2 | 1699.74 | 5030.0 | 18412.0 | 11051.0 | 12.0 | 0.03 | 2.41 | 2137.0 | 1.0 | 210.05 | 86.21 | - | - | - | - |
| 17 | VAGATOR BEACH | - | 30 | 7.8 | 7.64 | 33160.0 | BDL | 0.4 | 0.012 | 210 | 94 | 49 | - | 27.6 | 10.0 | 66.0 | 16744.80 | - | 0.6 | BDL | 4200.0 | 320.6 | 826.2 | 1177.9 | 6389.0 | 21222.0 | 8489.0 | 32.0 | 0.05 | 2.66 | 2438.0 | 1.0 | 23.40 | 88.50 | - | - | - | - |
| 18 | UPSTREAM OF RIVER MANDOVI, M/S VEDANTA PVT. LTD. | 1.2 | 27 | 7.7 | 7.65 | 94.34 | BDL | 0.2 | 0.005 | 4900 | 2300 | 170 | - | 23.0 | BDL | 18.0 | 16.49 | 8.0 | 1.68 | 0.11 | 22.0 | 3.2 | 3.4 | 14.6 | 22.0 | 58.0 | 20.0 | 50.0 | BDL | BDL | 4.4 | BDL | 12.10 | 79.98 | - | - | - | - |
| 19 | DOWNSTREAM OF RIVER MANDOVI, M/S VEDANTA PVT. LTD. | 1.3 | 27 | 7.8 | 7.69 | 83.55 | BDL | 0.2 | BDL | 2100 | 1300 | 110 | - | 23.0 | BDL | 20.0 | 14.0 | 10.0 | 1.12 | BDL | 22.0 | 2.4 | 3.9 | 8.9 | 11.5 | 50.0 | 18.0 | 52.0 | 0.02 | BDL | 6.9 | BDL | 6.5 | 74.52 | - | - | - | - |
| 20 | ARAMBOL BEACH | - | 30 | 7.6 | 7.34 | 33670.0 | BDL | 0.1 | 0.02 | 540 | 130 | 94 | - | 24.2 | BDL | 72.0 | 16994.73 | - | 1.12 | BDL | 6400.0 | 400.8 | 1312.2 | 1401.54 | 5162.0 | 19211.0 | 11532.0 | 27.0 | 0.03 | 2.39 | 2272.0 | 1.1 | 176.38 | 81.27 | - | - | - | - |
| 21 | BAGA BEACH | - | 30 | 6.9 | 7.71 | 37420.0 | BDL | 0.8 | 0.058 | 220 | 110 | 70 | - | 24.90 | 4.0 | 74.0 | 11371.50 | - | 3.9 | BDL | 2800.0 | 320.6 | 486.0 | 1185.0 | 4650.0 | 24144.0 | 8049.0 | 51.0 | 0.03 | 2.89 | 2105.0 | 1.4 | 197.9 | 89.3 | - | - | - | - |
| 22 | BAMBOLIM BEACH | - | 27 | 7.0 | 8.09 | 16420.0 | BDL | 0.44 | 0.018 | 280 | 140 | 49 | - | 14.29 | BDL | 66.0 | 6298.1 | - | 0.56 | 0.05 | 1800.0 | 264.5 | 277.0 | 623.20 | 972.0 | 9688.0 | 7072.0 | 18.0 | 0.10 | 0.8 | 394.0 | 0.90 | 59.07 | 71.61 | - | - | - | - |

| Sr. No | Name Of Monitoring Location | Velocity (m/s) | Temp (°C) | DO (mg/l) | pH | Cond (µs/cm) | BOD (mg/l) | Nitrate-N (mg/l) | Nitrite-N (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | Fecal Streptococci (MPN/100ml) | E.Coli (MPN/100ml) | Turbidity (NTU) | Phenolphthalein Alkalinity (mg/l) | Total Alkalinity (mg/l) | Chlorides (mg/l) | COD (mg/l) | Total Kjeldhal Nitrogen (mg/l) | Ammonia- N (mg/l) | Total Hardness (mg/l) | Calcium (mg/l) | Magnesium (mg/l) | Sulphate (mg/l) | Sodium (Na) (mg/l) | Total Dissolved Solids (mg/l) | Total Fixed Solids (mg/l) | Total Suspended Solids (mg/l) | Phosphate (mg/l) | Boron (mg/l) | Potassium (k) (mg/l) | Flouride (mg/l) | SAR | % Sodium | Oil & Grease (mg/l) | MLSS (mg/l) | MLVSS (mg/l) | Residual Chlorine (mg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Limit for Calss E as per CPCB classification based on designated best use | | | | 6.0-8.5 | <2250 µs/cm | | | | | | | | | | | | | | | | | | | | | | | | <2.0 mg/l | | | <26.0 mg/l | | | | | |
| 1 | MAYEM LAKE, BICHOLIM-GOA | - | 26 | 7.5 | 7.15 | 40.0 | BDL | 0.2 | BDL | 1300 | 780 | 110 | - | 4.85 | BDL | 14.00 | 6.0 | 10.0 | 1.12 | BDL | 14.0 | 4.0 | 1.0 | 0.75 | 5.6 | 25.0 | 9.0 | 15.0 | BDL | BDL | 2.2 | BDL | 3.55 | 61.03 | - | - | - | - |
| 2 | ANJUNEM LAKE, ANJUNEM, SATTARI-GOA | - | 29 | 7.4 | 7.44 | 46.59 | BDL | 1.5 | BDL | 110 | 49 | 8 | - | 2.10 | BDL | 20.0 | 4.5 | 4.0 | 1.12 | BDL | 10.0 | 2.4 | 1.0 | 1.5 | 26.0 | 31.0 | 10.0 | 9.0 | 0.06 | BDL | 14 | 0.2 | 20.0 | 92.2 | - | - | - | - |
| 3 | CARAMBOLIM LAKE, CARAMBOLIM | - | 29 | 6.0 | 7.78 | 93.04 | BDL | 1.298 | BDL | 210 | 170 | 70 | - | 9.10 | BDL | 30.0 | 8.49 | 4.0 | 0.56 | 0.095 | 34.0 | 10.42 | 1.944 | 7.45 | 25.0 | 52.0 | 31.0 | 18.0 | 0.046 | BDL | 16.2 | BDL | 10.05 | 76.92 | - | - | - | - |
| 4 | BATIM LAKE, GOA VELHA, TISWADI-GOA | - | 28 | 4.0 | 7.5 | 72.59 | BDL | 0.1 | 0.005 | 2100 | 1300 | 170 | - | 8.65 | BDL | 18.0 | 12.0 | 8.0 | 1.1 | 0.07 | 20.0 | 4.0 | 2.4 | 3.8 | 22.6 | 42.0 | 14.0 | 13.0 | 0.04 | BDL | 9.1 | BDL | 12.6 | 83.1 | - | - | - | - |
| 5 | DASHI LAKE, REVORA, MAPUSA | - | 27 | 5.6 | 6.46 | 87.36 | BDL | 0.1 | BDL | 1100 | 490 | 70 | - | 2.58 | BDL | 40.0 | 8.0 | 4.0 | 1.68 | BDL | 38.0 | 7.2 | 4.9 | 2.8 | 15.2 | 54.0 | 22.0 | 5.0 | 0.02 | BDL | 6.8 | BDL | 6.186 | 64.56 | - | - | - | - |
| 6 | TOYYAR LAKE, CHIMBEL | - | 29 | 7.0 | 7.33 | 54.46 | BDL | 1.051 | BDL | 350 | 170 | 49 | - | 6.0 | BDL | 20.0 | 6.49 | 4.0 | 1.12 | 0.053 | 18.0 | 4.8 | 1.458 | 3.99 | 22.1 | 30.0 | 18.0 | 13.0 | 0.053 | BDL | 12.5 | BDL | 12.49 | 84.68 | - | - | - | - |
| 7 | PILERNE LAKE/SAULEM LAKE, PILERNE, SANGOLDA | - | 27 | 5.2 | 6.01 | 118.3 | BDL | 2.29 | 0.01 | 3500 | 1700 | 220 | - | 4.27 | BDL | 18.0 | 17.49 | 4.0 | 1.12 | 0.11 | 30.0 | 8.82 | BDL | 4.12 | 7.5 | 68.0 | 40.0 | 2.0 | 0.02 | BDL | 5.1 | BDL | 3.23 | 53.94 | - | - | - | - |
| 8 | BONDVOL LAKE, CALAPUR, TALEIGAO | - | 28 | 5.0 | 6.89 | 62.12 | BDL | 0.31 | BDL | 1300 | 780 | 110 | - | 3.57 | BDL | 12.0 | 11.5 | 4.0 | 0.56 | BDL | 14.0 | 2.4 | BDL | 4.4 | 11.0 | 36.0 | 25.0 | 7.0 | 0.10 | 1.2 | 6.2 | 0.80 | 7.5 | 80.0 | | | | |
| 9 | SULABHAT LAKE, AGACAIM | - | 28 | 5.6 | 7.66 | 72.67 | BDL | 0.51 | 0.01 | 3500 | 1700 | 210 | - | 4.01 | BDL | 18.0 | 9.50 | 4.0 | 1.68 | 0.08 | 20.0 | 5.61 | 1.46 | 6.65 | 6.4 | 41.0 | 24.0 | 2.0 | 0.03 | BDL | 4.9 | BDL | 3.4 | 61.5 | - | - | - | - |
| 10 | MALEBHAAT LAKE, TISWADI | - | 27 | 5.6 | 7.57 | 848.7 | BDL | 0.396 | 0.014 | 700 | 330 | 79 | - | 56.6 | BDL | 26 | 218.9 | 4.0 | 2.8 | 0.123 | 84.0 | 7.21 | 16.03 | 38.91 | 67.2 | 543.0 | 326.0 | 30.0 | 0.03 | 0.04 | 40.2 | 0.04 | 19.707 | 82.20 | - | - | - | - |
| 11 | GAWALI MAULA LAKE, TISWADI | - | 28 | 6.0 | 7.51 | 72.84 | BDL | 0.2 | 0.004 | 1700 | 700 | 140 | - | 8.54 | BDL | 14.0 | 15.5 | 8.0 | 1.1 | 0.08 | 10.0 | 3.2 | 0.5 | 4.1 | 21.5 | 41.0 | 14.0 | 12.0 | 0.03 | BDL | 8.9 | 0.1 | 15.8 | 89.2 | - | - | - | - |
| 12 | CURCA LAKE, TISWADI | - | 27 | 5.6 | 7.16 | 101.0 | BDL | 0.98 | 0.011 | 1300 | 790 | 130 | - | 12.62 | BDL | 18.0 | 18.0 | 6.0 | 0.56 | BDL | 18 | 4.8 | BDL | 5.1 | 18.6 | 62.0 | 46.0 | 17.0 | 0.08 | BDL | 9.5 | BDL | 10.48 | 81.69 | | | | |
| 13 | CANTURLIM LAKE, TISWADI | - | 27 | 5.4 | 7.59 | 757.3 | BDL | 0.273 | 0.107 | 2400 | 1300 | 170 | - | 26.8 | BDL | 34.0 | 43.49 | 4.0 | 2.24 | 0.108 | 82.0 | 12.82 | 12.15 | 33.22 | 46.7 | 484.0 | 290.0 | 21.0 | 0.09 | 0.04 | 36.1 | 0.11 | 13.216 | 76.83 | - | - | - | - |
| 14 | PARRA LAKE, BARDEZ | - | 27 | 7.8 | 7.3 | 1228.0 | BDL | 0.5 | 0.019 | 230 | 130 | 23 | - | 10.9 | BDL | 82.0 | 50.5 | 6.0 | 0.56 | BDL | 450.0 | 81.8 | 108.8 | 444.3 | 2269.0 | 753.0 | 275.0 | 18.0 | 0.02 | 0.02 | 1540.0 | 0.7 | 232.47 | 95.23 | - | - | - | - |
| 15 | KHANDEPAR LAKE, BICHOLIM | - | 26 | 6.6 | 6.81 | 89.78 | BDL | 0.4 | BDL | 3300 | 2300 | 110 | - | 1.29 | BDL | 20.0 | 10.0 | 4.0 | 0.56 | BDL | 20.0 | 5.61 | 1.5 | 5.4 | 12.5 | 56.0 | 20.0 | 6.0 | BDL | BDL | 7.3 | BDL | 6.7 | 73.69 | - | - | - | - |
| 16 | BANASTARIM LAKE | - | 29 | 4.9 | 7.58 | 119.8 | BDL | 0.449 | BDL | 920 | 220 | 130 | - | 11.48 | BDL | 20.0 | 23.99 | 4.0 | 1.68 | BDL | 22.0 | 5.61 | 1.944 | 8.319 | 30.5 | 67.0 | 40.0 | 25.0 | 0.062 | BDL | 20.8 | BDL | 15.69 | 87.16 | - | - | - | - |

| Sr. No | Name Of Monitoring Location | Velocity (m/s) | Temp (°C) | DO (mg/l) | pH | Cond (µs/cm) | BOD (mg/l) | Nitrate-N (mg/l) | Nitrite-N (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | Fecal Streptococci (MPN/100ml) | E.Coli (MPN/100ml) | Turbidity (NTU) | Phenolphthalein Alkalinity (mg/l) | Total Alkalinity (mg/l) | Chlorides (mg/l) | COD (mg/l) | Total Kjeldhal Nitrogen (mg/l) | Ammonia- N (mg/l) | Total Hardness (mg/l) | Calcium (mg/l) | Magnesium (mg/l) | Sulphate (mg/l) | Sodium (Na) (mg/l) | Total Dissolved Solids (mg/l) | Total Fixed Solids (mg/l) | Total Suspended Solids (mg/l) | Phosphate (mg/l) | Boron (mg/l) | Potassium (k) (mg/l) | Flouride (mg/l) | SAR | % Sodium | Oil & Grease (mg/l) | MLSS (mg/l) | MLVSS (mg/l) | Residual Chlorine (mg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Limit for Class C as per CPCB classification based on designated best use | | | >4.0 mg/l | 6.0-9.0 | | <3.0 mg/l | | | <5000 MPN/100ml | | | - | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | RIVER KALNA AT CHANDEL- PERNEM, GOA | 0.4 | 28 | 7.8 | 6.95 | 59.25 | BDL | 0.10 | 0.005 | 3300 | 1700 | 210 | - | 11.82 | BDL | 26.0 | 6.0 | 4.0 | 1.12 | BDL | 20.0 | 4.8 | 1.9 | 7.8 | 9.8 | 36.0 | 15.0 | 21.0 | 0.02 | BDL | 7.2 | BDL | 5.333 | 71.581 | - | - | - | - |
| 2 | RIVER VALVANTI AT SANQUELIM | 1.8 | 29 | 7.1 | 7.37 | 43.98 | BDL | BDL | 0.006 | 4600 | 2100 | 230 | - | 14.73 | BDL | 14.0 | 4.0 | 4.0 | 1.12 | BDL | 20.0 | 5.61 | BDL | 3.90 | 13.2 | 27.0 | 16.0 | 16.0 | 0.03 | BDL | 6.1 | BDL | 7.03 | 73.22 | - | - | - | - |
| 3 | RIVER MADAI AT DABOS - VALPOI, GOA | 2.0 | 29 | 8.1 | 7.60 | 47.77 | BDL | 0.2 | 0.006 | 1700 | 1100 | 210 | - | 15.55 | BDL | 20.0 | 4.5 | 4.0 | 1.12 | BDL | 24.0 | 5.6 | 2.4 | 4.0 | 4.2 | 31.0 | 12.0 | 10.0 | BDL | BDL | 3.5 | BDL | 2.1 | 48.9 | - | - | - | - |
| 4 | RIVER ASSONORA ,ASSONORA-GOA | 1.4 | 29 | 7.0 | 7.22 | 46.59 | BDL | 0.2 | BDL | 490 | 230 | 94 | - | 7.69 | BDL | 16.0 | 5.5 | 4.0 | 1.68 | BDL | 10.0 | 3.2 | 0.5 | 3.2 | 3.9 | 30.0 | 12.0 | 5.0 | BDL | BDL | 3.2 | 0.2 | 2.9 | 65.8 | - | - | - | - |
| 5 | RIVER CHAPORA NEAR ALORNA FORT , PERNEM | 0.6 | 28 | 7.0 | 6.86 | 97.24 | BDL | 0.1 | 0.005 | 1700 | 1100 | 140 | - | 11.44 | BDL | 28.0 | 13.0 | 4.0 | 1.68 | BDL | 30.0 | 7.2 | 2.9 | 7.7 | 4.8 | 60.0 | 24.0 | 20.0 | 0.02 | BDL | 2.3 | BDL | 2.132 | 41.207 | - | - | - | - |
| 6 | RIVER BICHOLIM BARAZAN NAGAR , BICHOLIM | 0.9 | 27 | 6.6 | 7.28 | 59.11 | BDL | 0.4 | BDL | 680 | 450 | 140 | - | 21.50 | BDL | 20.0 | 8.0 | 10.0 | 1.12 | BDL | 22.0 | 4.01 | 2.9 | 5.6 | 10.4 | 36.0 | 13.0 | 43.0 | 0.03 | BDL | 5.8 | BDL | 5.6 | 70.06 | - | - | - | - |
| 7 | HARWALE WATER FALL, BICHOLIM | - | 29 | 7.9 | 7.64 | 48.60 | BDL | 0.163 | 0.018 | 4900 | 2300 | 260 | - | 104.0 | BDL | 16.0 | 3.99 | 4.0 | 0.56 | 0.06 | 20.0 | 6.413 | 0.972 | 13.15 | 10.5 | 27.0 | 16.0 | 50.0 | 0.06 | 0.29 | 5.2 | BDL | 5.46 | 68.01 | - | - | - | - |
| 8 | SALMONA SPRING, SALIGAO | - | 31 | 6.8 | 5.63 | 112.2 | BDL | 2.0 | BDL | 920 | 280 | 110 | - | 1.36 | BDL | 12.0 | 21.50 | 2.0 | 1.1 | BDL | 42.0 | 3.2 | 8.3 | 1.6 | 10.1 | 73.0 | 24.0 | 10.0 | BDL | 0.03 | 5.2 | BDL | 4.2 | 57.2 | - | - | - | - |

| Sr. No | Name Of Monitoring Location | Velocity (m/s) | Temp (°C) | DO (mg/l) | pH | Cond (µs/cm) | BOD (mg/l) | Nitrate-N (mg/l) | Nitrite-N (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | Fecal Streptococci (MPN/100ml) | E.Coli (MPN/100ml) | Turbidity (NTU) | Phenolphthalein Alkalinity (mg/l) | Total Alkalinity (mg/l) | Chlorides (mg/l) | COD (mg/l) | Total Kjeldhal Nitrogen (mg/l) | Ammonia- N (mg/l) | Total Hardness (mg/l) | Calcium (mg/l) | Magnesium (mg/l) | Sulphate (mg/l) | Sodium (Na) (mg/l) | Total Dissolved Solids (mg/l) | Total Fixed Solids (mg/l) | Total Suspended Solids (mg/l) | Phosphate (mg/l) | Boron (mg/l) | Potassium (k) (mg/l) | Flouride (mg/l) | SAR | % Sodium | Oil & Grease (mg/l) | MLSS (mg/l) | MLVSS (mg/l) | Residual Chlorine (mg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Limit for Class B as per CPCB classification based on designated best use | | | >5.0 mg/l | 6.5-8.5 | | <3.0 mg/l | | | | <500 MPN/100ml | <100 MPN/100ml | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | ST.INEZ CREEK UPSTREAM, PANAJI-GOA | - | 27 | 4.1 | 7.76 | 169.2 | BDL | 0.5 | 0.029 | 11000 | 7000 | 210 | - | 3.19 | BDL | 44.0 | 16.5 | 10.0 | 1.68 | 0.13 | 56.0 | 17.6 | 2.90 | 4.60 | 30.5 | 101.0 | 34.0 | 8.0 | 0.05 | 1.2 | 10.1 | 0.2 | 9.5 | 66.4 | - | - | - | - |
| 2 | ST.INEZ CREEK DOWNSTREAM, PANAJI-GOA | - | 27 | 2.5 | 7.88 | 305.9 | 5.7 | 0.3 | 0.039 | 24000 | 13000 | 330 | - | 9.02 | BDL | 66.0 | 34 | 18 | 1.68 | 0.09 | 96 | 28.9 | 5.8 | 12.7 | 56.2 | 178.0 | 62.0 | 15.0 | 0.07 | BDL | 14.0 | BDL | 13.5 | 66.90 | - | - | - | - |

| Sr. No | Name Of Monitoring Location | Velocity (m/s) | Temp (°C) | DO (mg/l) | pH | Cond (µs/cm) | BOD (mg/l) | Nitrate-N (mg/l) | Nitrite-N (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | Fecal Streptococci (MPN/100ml) | E.Coli (MPN/100ml) | Turbidity (NTU) | Phenolphthalein Alkalinity (mg/l) | Total Alkalinity (mg/l) | Chlorides (mg/l) | COD (mg/l) | Total Kjeldhal Nitrogen (mg/l) | Ammonia- N (mg/l) | Total Hardness (mg/l) | Calcium (mg/l) | Magnesium (mg/l) | Sulphate (mg/l) | Sodium (Na) (mg/l) | Total Dissolved Solids (mg/l) | Total Fixed Solids (mg/l) | Total Suspended Solids (mg/l) | Phosphate (mg/l) | Boron (mg/l) | Potassium (k) (mg/l) | Flouride (mg/l) | SAR | % Sodium | Oil & Grease (mg/l) | MLSS (mg/l) | MLVSS (mg/l) | Residual Chlorine (mg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Treated discharge limits for outlet sample | | | | 5.5-9.0 | | 10 | | | | 100 | | | | | | | 50 | | | | | | | | | | 20.0 | | | | | | | 10 | | | |
| 1 | INLET STP TONCA, PANAJI-GOA | - | - | - | 7.8 | - | 386.0 | - | - | 7900000 | 3300000 | 170000 | PRESENT | - | - | - | - | 730.0 | - | - | - | - | - | - | - | - | - | 1545.0 | - | - | - | - | - | - | - | 2335.0 | 1680.0 | - |
| | OUTLET STP TONCA ,PANAJI-GOA | - | - | - | 8.5 | - | 7.2 | - | - | 540 | 240 | 110 | PRESENT | - | - | - | - | 20 | - | - | - | - | - | - | - | - | - | 5 | - | - | - | - | - | - | <10.0 | - | - | 0.35 |

| Sr. No | Name Of Monitoring Location | Temp (°C) | Velocity (m/s) | DO (mg/l) | pH | Cond (µs/cm) | BOD (mg/l) | Nitrate-N (mg/l) | Nitrite-N (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | Fecal Streptococci (MPN/100ml) | Turbidity (NTU) | Phenolphthalein Alkalinity (mg/l) | Total Alkalinity (mg/l) | Chlorides (mg/l) | COD (mg/l) | Total Kjeldhal Nitrogen (mg/l) | Ammonia- N (mg/l) | Total Hardness (mg/l) | Calcium (mg/l) | Magnesium (mg/l) | Sulphate (mg/l) | Sodium (Na) (mg/l) | Total Dissolved Solids (mg/l) | Total Fixed Solids (mg/l) | Total Suspended Solids (mg/l) | Phosphate (mg/l) | Boron (mg/l) | Potassium (k) (mg/l) | Flouride (mg/l) | SAR (mg/l) | Percent Sodium (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Limit for S W II as per CPCB classification based on designated best use | | | >4.0 mg/l | 6.5-8.5 | | <3.0 mg/l | | | | <100 MPN/100 ml | | 30 NTU | | | | | | | | | | | | | | | | | | | | |
| 1 | RIVER ZUARI AT CORTALIM, CORTALIM-GOA | 28 | 0.6 | 6.2 | 7.51 | 4645.0 | BDL | 0.2 | 0.02 | 2300 | 1700 | 140 | 31.60 | BDL | 38 | 1649.0 | 8 | 1.12 | 0.1 | 448.0 | 35.3 | 87.5 | 187.6 | 1439.0 | 2833.0 | 2040.0 | 21.0 | 0.06 | 0.3 | 420.0 | BDL | 183.70 | 93.80 |
| 2 | RIVER ZUARI AT MADKAI JETTY, MARCAIM-GOA | 29 | 0.3 | 6.2 | 6.59 | 9490.0 | BDL | 0.80 | 0.031 | 1100 | 780 | 140 | 18.55 | BDL | 46 | 2874.10 | - | 1.70 | BDL | 1600.0 | 160.3 | 291.6 | 432.4 | 560.0 | 6074.0 | 2430.0 | 21.0 | 0.040 | 0.690 | 236.0 | 0.700 | 7.90 | 63.80 |
| 3 | RIVER ZUARI AT BORIM BRIDGE, BORIM | 27 | 0.8 | 6.5 | 7.60 | 142.7 | BDL | 0.3 | 0.007 | 2300 | 780 | 210 | 23.2 | BDL | 22 | 29.99 | 4.0 | 1.12 | BDL | 28.0 | 4.8 | 3.89 | 13.2 | 19.3 | 79.0 | 49.0 | 19.0 | 0.030 | BDL | 7.6 | BDL | 9.25 | 75.56 |
| 4 | RIVER ZUARI AT PANCHAWADI | 27 | 0.9 | 6.9 | 7.63 | 86.5 | BDL | 0.2 | 0.005 | 3300 | 1700 | 140 | 12.4 | BDL | 30 | 13.5 | 4.0 | 0.56 | 0.05 | 20.0 | 6.4 | BDL | 11.2 | 5.8 | 51.0 | 30.0 | 11.0 | BDL | BDL | 3.2 | 0.3 | 3.02 | 54.95 |
| 5 | RIVER SAL AT RUMDER, NUVEM, SALCETE-GOA | 28 | 0.2 | 5.0 | 7.35 | 88.60 | BDL | 0.9 | 0.04 | 2200 | 1400 | 140 | 34.10 | BDL | 24.0 | 11.0 | 8.0 | 2.80 | 0.08 | 28.0 | 6.4 | 2.9 | 12.9 | 21.0 | 54.0 | 22.0 | 22.0 | BDL | BDL | 7.2 | BDL | 9.70 | 75.10 |
| 6 | RIVER SAL PAZORCONI | 27 | 1.04 | 6.6 | 7.83 | 71.3 | BDL | 0.3 | 0.01 | 3300 | 2300 | 210 | 29.50 | BDL | 20.0 | 9.5 | 6.0 | 2.24 | 0.06 | 100.0 | 15.20 | 15.1 | 8.30 | 10.7 | 44.0 | 18.0 | 18.0 | 0.03 | 0.01 | 5.1 | 0.20 | 2.70 | 34.30 |
| 7 | RIVER SAL AT KHAREBAND, MARGAO | 29 | 0.4 | 4.2 | 6.84 | 175.2 | BDL | 0.455 | 0.036 | $170X10^2$ | $130X10^2$ | 700 | 21.60 | BDL | 38.0 | 25.99 | 16.0 | 1.12 | 0.165 | 38.0 | 15.23 | 4.374 | 12.52 | 265.3 | 98.0 | 58.0 | 35.0 | 0.082 | 0.00 | 183.0 | BDL | 84.74 | 95.81 |
| 8 | RIVER SAL AT ORLIM BRIDGE, ORLIM | 29 | 0.7 | 3.8 | 6.80 | 513.5 | 2.4 | 0.34 | 0.028 | 3300 | 1300 | 330 | 13.35 | BDL | 40.0 | 88.50 | 8.0 | 1.12 | 0.18 | 76.0 | 12.8 | 10.7 | 26.60 | 483.0 | 298.0 | 214.0 | 21.0 | 0.100 | 0.040 | 203.0 | BDL | 140.91 | 96.69 |
| 9 | RIVER SAL NEAR HOTEL LEELA MOBOR, CAVELOSSIM | 29 | 0.6 | 5.3 | 7.25 | 38370.0 | BDL | 0.2 | 0.021 | 4900 | 1300 | 170 | 12.89 | BDL | 78.0 | 15495.2 | - | 1.120 | 0.06 | 4800.0 | 320.6 | 972.0 | 1416.0 | 1290.0 | 24557.0 | 14734.0 | 16.0 | 0.04 | 2.3 | 330 | 0.7 | 50.70 | 55.60 |
| 10 | MOBOR BEACH | 29 | - | 6.6 | 7.51 | 42810.0 | BDL | 0.1 | 0.021 | 170 | 130 | 79 | 12.72 | BDL | 88.0 | 16869.8 | - | 1.12 | BDL | 6600.0 | 481.0 | 1312.2 | 1789.0 | 2490.0 | 27398.0 | 16439.0 | 20.0 | 0.040 | 3.2 | 910.0 | 1.2 | 83.20 | 65.50 |
| 11 | GALGIBAG BEACH | 29 | - | 6.5 | 7.64 | 40280.0 | BDL | 0.1 | 0.03 | 350 | 130 | 79 | 30.40 | BDL | 80.0 | 16744.80 | - | 1.68 | BDL | 6000.0 | 481.00 | 1166.4 | 1409.00 | 2470.0 | 25779.0 | 15467.0 | 24.0 | 0.030 | 3.040 | 920.0 | 1.200 | 86.10 | 67.30 |
| 12 | AGONDA BEACH | 29 | - | 6.6 | 7.73 | 42390.0 | BDL | 0.1 | 0.033 | 220 | 110 | 70 | 15.34 | BDL | 92.0 | 17494.6 | - | 0.560 | 0.07 | 5400.0 | 481.0 | 1020.6 | 2460.2 | 9825.0 | 23738.0 | 14242.0 | 28.0 | 0.02 | 2.9 | 5100.3 | 0.9 | 358.57 | 90.86 |
| 13 | PALOLEM BEACH | 29 | - | 7.3 | 7.53 | 41000.0 | BDL | 0.185 | 0.032 | 350 | 130 | 94 | 17.22 | BDL | 92.0 | 16994.7 | - | 1.68 | 0.23 | 5400.0 | 400.80 | 1069.2 | 1848.84 | 5482.2 | 22960.0 | 13777.0 | 30.0 | BDL | 3.120 | 2330.0 | 0.738 | 202.21 | 84.16 |
| 14 | RAJBHAG BEACH | 29 | - | 7.1 | 7.63 | 40150.0 | BDL | 0.10 | 0.029 | 240 | 79 | 33 | 3.76 | BDL | 82.0 | 16994.70 | - | 1.68 | BDL | 800.0 | 240.5 | 48.6 | 2147.000 | 2420.0 | 25696.0 | 15418.0 | 11.0 | 0.090 | 2.75 | 870.0 | 1.2 | 201.3 | 91.9 |
| 15 | VELSAO BEACH | 28 | - | 6.7 | 6.62 | 39890.0 | BDL | 0.3 | 0.039 | 140 | 110 | 49 | 20.1 | 2.0 | 86.0 | 16869.0 | - | 1.12 | 0.12 | 5000.0 | 561.1 | 874.8 | 1662.5 | 3582.0 | 23934.0 | 17232.0 | 23.0 | 0.08 | 3.0 | 1384.0 | 1.2 | 133.68 | 77.57 |
| 16 | BOGMALO BEACH | 27 | - | 7.2 | 8.23 | 40470 | BDL | 0.1 | 0.012 | 170 | 130 | 70 | 12.05 | 8.00 | 86.0 | 16744.8 | - | 0.56 | BDL | 6000.0 | 561.1 | 1117.8 | 1222.6 | 2260.0 | 25901.0 | 15541.0 | 15.0 | 0.02 | 3.2 | 920.0 | 1.1 | 78 | 65.5 |
| 17 | BAINA BEACH | 27 | - | 6.9 | 8.53 | 42690 | BDL | 0.10 | 0.014 | 350 | 170 | 79 | 19.1 | 4.0 | 94.0 | 16994.70 | - | 0.56 | BDL | 6600.0 | 641.3 | 1215.0 | 1476.1 | 2000.0 | 27322.0 | 16392.0 | 23.0 | 0.03 | 3.2 | 1520.0 | 0.7 | 65.7 | 65.5 |
| 18 | BETALBATIM BEACH | 29 | - | 6.4 | 7.60 | 48.2 | BDL | 1.2 | 0.068 | 23 | 13 | 11 | 20.0 | BDL | 98.0 | 16370.0 | - | 3.9 | 0.11 | 6400.0 | 561.1 | 1215.0 | 1640.0 | 5305.0 | 31729.0 | 10583.0 | 39.0 | 0.05 | 3.6 | 2100 | 1.4 | 178.00 | 80.70 |
| 19 | BENAULIM BEACH | 29 | - | 6.1 | 7.74 | 45840.0 | BDL | 0.4 | 0.019 | 49 | 23 | 17 | 14.4 | 10.0 | 86.0 | 17869.50 | - | 1.12 | 0.12 | 4600.0 | 320.60 | 923.4 | 1453.70 | 8231.0 | 29338.0 | 11735.0 | 20.0 | 0.03 | 3.6 | 5436.0 | 1.2 | 330.00 | 91.70 |
| 20 | VARCA BEACH | 29 | - | 6.4 | 7.04 | 46380.0 | BDL | 0.6 | 0.062 | 240 | 49 | 23 | 24.8 | 10.0 | 84.0 | 13371 | - | 3.4 | 0.1 | 5800.0 | 320.6 | 1215.0 | 7335.7 | 4790.0 | 30356.0 | 10116.0 | 50.0 | 0.03 | 3.5 | 2085.0 | 1.3 | 172.90 | 81.70 |
| 21 | COLVA BEACH | 29 | - | 6.4 | 7.54 | 46140.0 | BDL | 0.8 | 0.07 | 220 | 94 | 79 | 16.4 | 6.0 | 92.0 | 15745.10 | | 4.48 | 0.18 | 6000.0 | 4.80 | 1166.40 | 1446.30 | 4800.0 | 30753.0 | 10252.0 | 30.0 | 0.06 | 3.3 | 1750.0 | 1.3 | 198.40 | 84.80 |
| 22 | COLVA CREEK UPSTREAM, COLVA-GOA | 29 | - | 1.2 | 6.67 | 530.9 | 4.0 | 0.900 | 0.030 | 780 | 450 | 110 | 19.7 | BDL | 72.0 | 105.00 | 20 | 2.24 | 0.24 | 102.0 | 21.60 | 11.2 | 33.90 | 1275.0 | 348.0 | 116.0 | 35.0 | 0.29 | 0.0 | 475.0 | 0.4 | 314.70 | 98.20 |
| 23 | COLVA CREEK DOWNSTREAM, COLVA-GOA | 29 | - | 1.7 | 6.54 | 645.0 | 3.2 | 0.3 | 0.008 | $130X10^2$ | $23X10^2$ | 220 | 19.5 | BDL | 76.0 | 120.5 | 20 | 1.68 | 0.3 | 102.0 | 23.30 | 10.7 | 38.80 | 74.3 | 413.0 | 165.0 | 25.0 | 0.15 | 0.0 | 48.6 | 0.4 | 18.00 | 78.40 |

| Sr. No | Name Of Monitoring Location | Temp (°C) | Velocity (m/s) | DO (mg/l) | pH | Cond (µs/cm) | BOD (mg/l) | Nitrate-N (mg/l) | Nitrite-N (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | Fecal Streptococci (MPN/100ml) | Turbidity (NTU) | Phenolphthalein Alkalinity (mg/l) | Total Alkalinity (mg/l) | Chlorides (mg/l) | COD (mg/l) | Total Kjeldhal Nitrogen (mg/l) | Ammonia- N (mg/l) | Total Hardness (mg/l) | Calcium (mg/l) | Magnesium (mg/l) | Sulphate (mg/l) | Sodium (Na) (mg/l) | Total Dissolved Solids (mg/l) | Total Fixed Solids (mg/l) | Total Suspended Solids (mg/l) | Phosphate (mg/l) | Boron (mg/l) | Potassium (k) (mg/l) | Flouride (mg/l) | SAR (mg/l) | Percent Sodium (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Limit for Class E as per CPCB classification based on designated best use | | | | 6.0-8.5 | <2250 µs/cm | | | | | | | | | | | | | | | | | | | | | | | <2.0 mg/l | | | <26.0 mg/l | |
| 1 | AGRI.CANAL UP STREAM OF CUNCOLIM IDC, CUNCOLIM-GOA | 27 | 1.3 | 6.5 | 7.70 | 74.90 | BDL | 0.2 | 0.17 | 3300 | 2300 | 170 | 49.6 | BDL | 18.0 | 8.5 | 4.0 | 1.68 | 0.07 | 34.0 | 6.4 | 4.40 | 11.10 | 20.9 | 48.0 | 20.0 | 32.0 | 0.06 | BDL | 7.1 | 0.40 | 9.00 | 72.20 |
| 2 | AGRI.CANAL DOWNSTREAM OF CUNCOLIM IDC, CUNCOLIM-GOA | 27 | 1.2 | 6.1 | 7.46 | 323.6 | BDL | 0.40 | 0.014 | 2300 | 1300 | 140 | 54.60 | BDL | 30 | 17.00 | 4.0 | 2.24 | 0.09 | 680.0 | 64.10 | 126.4 | 334.0 | 1213.0 | 145.0 | 60.0 | 35.0 | 0.040 | 0.29 | 759.0 | 0.20 | 124.30 | 91.20 |
| 3 | SARZORA LAKE, CHINCHINIM, SALCETE-GOA | 26 | - | 6.3 | 8.20 | 48.31 | BDL | BDL | BDL | 790 | 490 | 110 | 8.31 | BDL | 12.0 | 6.0 | 8.0 | 1.12 | 0.100 | 10.0 | 1.6 | 1.5 | 10.2 | 6.5 | 33.0 | 20.0 | 18.0 | BDL | BDL | 3.9 | 0.2 | 5.26 | 77.28 |
| 4 | XELDEM LAKE, XELDEM QUEPEM | 29 | - | 2.3 | 6.75 | 76.11 | 4.8 | 0.040 | 0.010 | 330 | 130 | 49 | 4.98 | BDL | 38.0 | 15 | 16.0 | 1.7 | BDL | 30.0 | 10.42 | BDL | 12.91 | 6.3 | 42.0 | 25.0 | 2.0 | BDL | BDL | 4.4 | BDL | 2.64 | 77.28 |
| 5 | NANDA LAKE, QUEPEM | 29 | - | 6 | 6.94 | 124.80 | BDL | 0.2 | 0.008 | 5400 | 1700 | 170 | 17.35 | BDL | 28.0 | 10.00 | 10.0 | 0.6 | 0.08 | 24.0 | 5.6 | 2.4 | 8.6 | 8.6 | 80.0 | 32.0 | 22.0 | BDL | BDL | 4.2 | 0.5 | 4.3 | 61.4 |
| 6 | COTTOMBI LAKE, QUEPEM | 29 | - | 2.8 | 6.93 | 70.0 | 5.8 | BDL | BDL | 3500 | 790 | 280 | 3.92 | BDL | 28.0 | 7.5 | 20.0 | 0.6 | BDL | 26.0 | 5.6 | 2.9 | 5.4 | 11.2 | 45.0 | 18.0 | 8.0 | 0.02 | BDL | 3.2 | 0.3 | 5.4 | 62.8 |
| 7 | MACASANA LAKE, MACASANA, CURTORIM | 27 | - | 6.2 | 8.11 | 49.72 | BDL | 0.4 | 0.009 | 330 | 230 | 84 | 17.93 | BDL | 24.0 | 5.5 | 4.0 | 1.12 | BDL | 22.0 | 4 | 2.9 | 9.9 | 46 | 32.0 | 19.0 | 22.0 | 0.02 | BDL | 6.8 | 0.2 | 24.7 | 88.4 |
| 8 | CURTORIM LAKE, CURTORIM-GOA | 27 | - | 7.8 | 8.31 | 56.10 | BDL | 0.3 | 0.013 | 2800 | 2200 | 210 | 30.9 | BDL | 22 | 10.0 | 4.0 | 1.68 | 0.14 | 22.0 | 5.6 | 2 | 11.3 | 2.2 | 36.0 | 22.0 | 25.0 | 0.03 | BDL | 1.3 | BDL | 1.1 | 31.7 |
| 9 | RAITOLLEM LAKE, CURTORIM, SALCETE-GOA | 27 | - | 6.2 | 8.28 | 105.7 | BDL | 0.2 | 0.016 | 4900 | 2300 | 220 | 6.72 | BDL | 28.0 | 6.0 | 4.0 | 1.12 | 0.1 | 34.0 | 6.4 | 4.4 | 11.0 | 14.1 | 68.0 | 41.0 | 10.0 | 0.02 | BDL | 13.2 | 0.3 | 3.7 | 71.7 |
| 10 | SAIPEM LAKE, NAVELIM, SALCETE-GOA | 27 | - | 4.5 | 8 | 157.3 | BDL | 0.9 | 0.063 | 5400 | 2400 | 280 | 13.68 | BDL | 42 | 9.5 | 6.0 | 1.12 | 0.06 | 60.0 | 12.8 | 6.8 | 12.8 | 8.6 | 101.0 | 61.0 | 16.0 | 0.06 | BDL | 3.9 | 0.3 | 37.80 | 38.90 |
| 11 | AMBULOR LAKE, VERNA, SALCETE- GOA | 29 | - | 6.1 | 7.09 | 67.42 | BDL | 0.23 | 0.009 | 5400 | 2200 | 150 | 24.80 | BDL | 16.0 | 15.5 | 4.0 | 1.12 | 0.18 | 22.0 | 4.8 | 2.4 | 7.6 | 8.2 | 41.0 | 27.0 | 19.0 | 0.020 | BDL | 4.7 | BDL | 4.30 | 64.08 |
| 12 | BANDOLEM LAKE, SANCOALE | 28 | - | 1.4 | 8.38 | 190.8 | 5.1 | 0.1 | 0.01 | 2200 | 1700 | 170 | 10.68 | BDL | 26.0 | 40.50 | 16.0 | 1.12 | 0.21 | 36.0 | 9.6 | 2.92 | 7.8 | 30.2 | 116.0 | 80.0 | 19.0 | 0.02 | BDL | 12.8 | BDL | 12.07 | 77.45 |
| 13 | MAIMOLLEM LAKE, VASCO | 27 | - | 6.4 | 8.29 | 572 | BDL | 1 | 0.183 | 1300 | 790 | 140 | 18.9 | BDL | 68.0 | 95.5 | 12.0 | 1.68 | 0.13 | 92.0 | 23.3 | 8.3 | 17.3 | 34.0 | 366.0 | 220.0 | 21 | 0.16 | 0.03 | 26.2 | 0.2 | 8.6 | 65.6 |
| 14 | SAPU TOLLEM (TOLLEA BANDAR), VELIM | 26 | - | 6.7 | 7.92 | 55.30 | BDL | 0.2 | 0.007 | 2400 | 1300 | 94 | 13.91 | BDL | 18 | 7.0 | 4.0 | 2.24 | 0.05 | 18.0 | 4.8 | BDL | 9 | 10.3 | 34.0 | 14.0 | 11.0 | 0.03 | BDL | 4.9 | BDL | 5.8 | 70.5 |
| 15 | DURGA LAKE, CHINCHINIM | 27 | - | 5.7 | 7.85 | 130.3 | BDL | BDL | 0.01 | 3500 | 1300 | 210 | 22.2 | BDL | 22.0 | 22.0 | 10.0 | 2.80 | 0.08 | 28.0 | 6.4 | 2.9 | 15.5 | 4.3 | 87.0 | 52.0 | 36.0 | 0.03 | BDL | 1.9 | BDL | 1.99 | 39.95 |
| 16 | ORLIM LAKE, ORLIM | 29 | - | 5.4 | 6.62 | 132.5 | BDL | 0.02 | BDL | 320 | 220 | 79 | 1.81 | BDL | 30.0 | 13.5 | 14.0 | 0.56 | BDL | 38.0 | 11.20 | 2.43 | 16.00 | 10.2 | 79.0 | 55.0 | 9.0 | BDL | BDL | 3.9 | BDL | 4.9 | 52.56 |
| 17 | VODLE TOLLEM, BENAULIM | 29 | - | 4.7 | 7.18 | 187.7 | 1.9 | BDL | 0.006 | 3500 | 790 | 110 | 6.97 | BDL | 48.0 | 24.49 | 10.0 | 0.56 | BDL | 66.0 | 21.64 | 2.916 | 17.03 | 58.7 | 105.0 | 63.0 | 15.0 | BDL | 0.003 | 30.0 | BDL | 16.75 | 78.32 |
| 18 | DHAKTE (DIULER) TOLLEM, BENAULIM | 29 | - | 7.1 | 6.84 | 122.4 | 1.1 | 0.295 | 0.007 | 330 | 230 | 79 | 4.52 | BDL | 24 | 20.0 | 6.0 | 1.12 | BDL | 28.0 | 11.2 | 3.89 | 18.69 | 62.3 | 68.0 | 40.0 | 13.0 | BDL | BDL | 28.3 | BDL | 22.67 | 85.71 |
| 19 | KAMALA LAKE (KOMOLLAM TOLLEM), BENAULIM | 29 | - | BDL | 6.67 | 34.8 | 2.8 | 0.1 | BDL | 5400 | 2400 | 220 | 5.16 | BDL | 74.0 | 499.80 | 20.0 | 2.24 | 1.22 | 600.0 | 160.30 | 48.6 | 23.90 | 3.8 | 22.0 | 9.0 | 9.0 | 0.29 | 0.0 | 3.5 | 0.4 | 0.4 | 3.4 |
| 20 | TALAULIM LAKE (TALSAL LAKE), PONDA | 29 | - | 5.7 | 6.26 | 34.9 | BDL | BDL | BDL | 1100 | 700 | 120 | 3.47 | BDL | 14 | 6 | 6.0 | 0.6 | BDL | 12.0 | 4 | BDL | 3.500 | 3.7 | 22.0 | 9.0 | 5.0 | BDL | BDL | 3.4 | 0.4 | 2.5 | 61.2 |
| 21 | TARVALEM LAKE | 27 | - | 6.7 | 7.28 | 35.8 | BDL | 0.2 | BDL | 460 | 330 | 94 | 5.55 | BDL | 20 | 4.5 | 4.0 | 0.56 | BDL | 10.0 | 1.6 | BDL | 2.2 | 12.7 | 23.0 | 14.0 | 6.0 | BDL | BDL | 9.1 | 0.4 | 10.27 | 87.69 |
| 22 | TARVALE LAKE (MOINGAL LAKE) | 27 | - | 6.4 | 6.76 | 29.8 | BDL | 0.1 | BDL | 790 | 230 | 70 | 2.69 | BDL | 8 | 5.5 | 4.0 | 3.4 | BDL | 10.0 | 2.4 | BDL | BDL | 11.4 | 17.0 | 11.0 | 7.0 | 0.03 | BDL | 8.1 | BDL | 8.78 | 85.26 |
| 23 | DHULPE LAKE | 27 | - | 6.8 | 7.33 | 57.58 | BDL | 0.1 | 0.006 | 490 | 230 | 84 | 17.3 | BDL | 30.0 | 15.50 | 4.0 | 2.8 | BDL | 28.0 | 5.61 | 3.4 | 7.20 | 10.8 | 39.0 | 24.0 | 13.0 | 0.06 | BDL | 4.6 | BDL | 5.09 | 63.09 |
| 24 | UDDEN LAKE, SHIRODA, PONDA | 27 | - | 6.8 | 7.54 | 48.16 | BDL | 0.2 | 0.005 | 2700 | 1400 | 130 | 29.3 | BDL | 18 | 5.5 | 6.0 | 0.56 | BDL | 14.0 | 4.0 | BDL | 3.7 | 8.7 | 31.0 | 19.0 | 16.0 | 0.03 | BDL | 5.5 | BDL | 5.51 | 74.04 |
| 25 | BETAL TEMPLE LAKE, PONDA | 29 | - | 7.3 | 6.35 | 50.91 | BDL | 0.28 | BDL | 1700 | 780 | 130 | 8.31 | BDL | 32.0 | 10.0 | 8.0 | 0.56 | BDL | 30.0 | 6.41 | 3.4 | 3.70 | 4.2 | 13.0 | 8.0 | 3.0 | 0.07 | BDL | 3.1 | 0.01 | 1.9 | 42.67 |
| 26 | KARMALE LAKE | 29 | - | 6.7 | 6.15 | 64.00 | BDL | BDL | BDL | 1100 | 450 | 170 | 1.93 | BDL | 18.0 | 15.50 | 8.0 | 1.12 | BDL | 20.0 | 5.61 | 1.46 | 2.48 | 7.2 | 37.0 | 22.0 | 2.0 | 0.14 | BDL | 4.7 | BDL | 3.83 | 62.74 |
| 27 | PANCHAMI LAKE | 29 | - | 5.6 | 6.1 | 113.20 | BDL | 0.42 | BDL | 1100 | 780 | 120 | 2.4 | BDL | 16.0 | 449.9 | 10.0 | 1.68 | 0.10 | 36.0 | 10.42 | 2.43 | 53.68 | 11.2 | 61.0 | 36.0 | 2.0 | 0.12 | 0.0 | 9.8 | 0.01 | 4.42 | 62.04 |
| 28 | CONIEX (CONEM) LAKE | LOCATION NOT ACCESSIBLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | PALI LAKE, DAVORLIM | LOCATION NOT ACCESSIBLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sr. No | Name Of Monitoring Location | Temp (°C) | Velocity (m/s) | DO (mg/l) | pH | Cond (µs/cm) | BOD (mg/l) | Nitrate-N (mg/l) | Nitrite-N (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | Fecal Streptococci (MPN/100ml) | Turbidity (NTU) | Phenolphthalein Alkalinity (mg/l) | Total Alkalinity (mg/l) | Chlorides (mg/l) | COD (mg/l) | Total Kjeldhal Nitrogen (mg/l) | Ammonia- N (mg/l) | Total Hardness (mg/l) | Calcium (mg/l) | Magnesium (mg/l) | Sulphate (mg/l) | Sodium (Na) (mg/l) | Total Dissolved Solids (mg/l) | Total Fixed Solids (mg/l) | Total Suspended Solids (mg/l) | Phosphate (mg/l) | Boron (mg/l) | Potassium (k) (mg/l) | Flouride (mg/l) | SAR (mg/l) | Percent Sodium (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Limit for Class C as per CPCB classification based on designated best use | | | >4.0 mg/l | 6.0-9.0 | | <3.0 mg/l | | | <5000 MPN/100 ml | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | RIVER TALPONA AT CANACONA, GOA | 28 | 0.8 | 7.4 | 7.48 | 66.03 | BDL | 0.1 | 0.050 | 3300 | 780 | 210 | 6.73 | BDL | 18.0 | 10.5 | 4.0 | 0.56 | BDL | 22 | 3.20 | 3.40 | 5.50 | 8.8 | 42.0 | 25.0 | 12.0 | 0.030 | 0.03 | 8.2 | BDL | 4.8 | 72 |
| 2 | CHAPOLI DAM, CANACONA-GOA | 28 | - | 7.1 | 7.87 | 74.33 | BDL | 0.03 | 0.005 | 240 | 130.0 | 79.0 | 5.34 | BDL | 26.0 | 10.5 | 6 | 0.56 | BDL | 24.0 | 5.60 | 2.43 | 5.50 | 5.3 | 44.0 | 33.0 | 7.0 | 0.03 | BDL | 2.1 | BDL | 2.65 | 47.96 |
| 3 | SALAULIM RESERVOIR AT SALAULIM, SANGUEM-GOA | 29 | - | 7.5 | 7.37 | 49.21 | BDL | 0.4 | 0.009 | 130 | 49 | 22.0 | 3.02 | BDL | 28.0 | 6 | 8 | 1.68 | 0.12 | 20.0 | 4.8 | 1.9 | 53.10 | 19.4 | 32.0 | 11.0 | 9.0 | 0.02 | BDL | 7.5 | BDL | 10.6 | 79.9 |
| 4 | RIVER KUSHAWATI NEAR BUND AT KEVONA, RIVONA | 29 | 0.2 | 7.1 | 7.48 | 58.6 | BDL | 0.147 | BDL | 3300 | 1300 | 140 | 4.58 | BDL | 56.0 | 10.0 | 8 | 2.24 | BDL | 24.0 | 8.0 | BDL | 4.4 | 7.3 | 35.0 | 21.0 | 2.0 | BDL | BDL | 4.8 | BDL | 3.44 | 57.37 |
| 5 | RIVER KHANDEPAR AT OPA WATER WORKS, PONDA GOA | 29 | 1.2 | 6.9 | 6.45 | 900 | BDL | 0.11 | 0.01 | 700 | 330 | 210 | 7.78 | BDL | 24.0 | 649.80 | 8.0 | 1.12 | BDL | 104.0 | 11.22 | 18.47 | 36.8 | 11.3 | 504.0 | 302.0 | 3.0 | 0.07 | 0.04 | 10 | BDL | 2.93 | 41.77 |
| 6 | RIVER KHANDEPAR AT CODLI NEAR BRIDGE , U/S OPA WATER WORKS, SANGUEM-GOA | 29 | 0.9 | 7.1 | 6.63 | 48.82 | BDL | 0.13 | BDL | 1100 | 450 | 200 | 10.34 | BDL | 24.0 | 15 | 6 | 0.56 | 0.12 | 56.0 | 6.41 | 9.72 | 5.16 | 8.0 | 26.0 | 16.0 | 3.0 | 0.09 | BDL | 7.3 | BDL | 2.82 | 48.68 |
| 7 | CREEK AT DANDO MOLLO, VELSAO | 28 | - | 6.1 | 7.88 | 472.0 | BDL | 1.7 | 0.184 | 13000 | 7900 | 230 | 8.08 | BDL | 40 | 106.00 | 10 | 1.12 | 0.240 | 90.0 | 18.40 | 10.7 | 31.90 | 342.0 | 278.0 | 194.0 | 20.0 | 0.070 | 0.02 | 145.0 | BDL | 89.67 | 94.36 |

| Sr. No | Name Of Monitoring Location | Temp (°C) | Velocity (m/s) | DO (mg/l) | pH | Cond (µs/cm) | BOD (mg/l) | Nitrate-N (mg/l) | Nitrite-N (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | Fecal Streptococci (MPN/100ml) | Turbidity (NTU) | Phenolphthalein Alkalinity (mg/l) | Total Alkalinity (mg/l) | Chlorides (mg/l) | COD (mg/l) | Total Kjeldhal Nitrogen (mg/l) | Ammonia- N (mg/l) | Total Hardness (mg/l) | Calcium (mg/l) | Magnesium (mg/l) | Sulphate (mg/l) | Sodium (Na) (mg/l) | Total Dissolved Solids (mg/l) | Total Fixed Solids (mg/l) | Total Suspended Solids (mg/l) | Phosphate (mg/l) | Boron (mg/l) | Potassium (k) (mg/l) | Flouride (mg/l) | SAR (mg/l) | Percent Sodium (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Limit for Class B as per CPCB classification based on designated best use | | | >5.0 mg/l | 6.5-8.5 | | <3.0 mg/l | | | | <500 MPN/100 ml | <100 MPN/100 ml | | | | | | | | | | | | | | | | | | | | | |
| 1 | UPSTREAM OF BETHORA NALLAH, BETHORA, PONDA-GOA | 29 | - | 5.1 | 5.96 | 743.3 | BDL | 0.1 | BDL | 1700 | 1100 | 210 | 6.09 | BDL | 22 | 200.4 | 10.0 | 1.1 | 0.07 | 198 | 68.9 | 6.3 | 10.7 | 118.4 | 476 | 190.0 | 10.0 | BDL | 0.030 | 50.3 | 0.4 | 19.3 | 69.2 |
| 2 | DOWNSTREAM OF BETHORA NALLAH, BETHORA, PONDA-GOA | 29 | - | 6.5 | 6.54 | 670.8 | BDL | 0.7 | 0.024 | 35000 | 22000 | 280 | 3.75 | BDL | 38 | 161.4 | 8 | 1.7 | 0.3 | 104 | 34.5 | 4.4 | 30.8 | 106 | 429.0 | 172.0 | 6 | 0.1 | 0.01 | 61 | 0.4 | 24.1 | 81.1 |

Please note : RDL-Below Detection Limit