

| WQMP DATA FOR THE MONTH OF JANUARY 2021 |                                                                   |           |                |           |      |                 |            |                  |                  |                           |                           |                                 |                      |                 |                          |                       |                  |            |                                |                  |                       |                |                  |                 |               |                               |                           |                               |                  |              |                 |        |          |                    |             |              |                          |     |     |   |   |   |   |
|-----------------------------------------|-------------------------------------------------------------------|-----------|----------------|-----------|------|-----------------|------------|------------------|------------------|---------------------------|---------------------------|---------------------------------|----------------------|-----------------|--------------------------|-----------------------|------------------|------------|--------------------------------|------------------|-----------------------|----------------|------------------|-----------------|---------------|-------------------------------|---------------------------|-------------------------------|------------------|--------------|-----------------|--------|----------|--------------------|-------------|--------------|--------------------------|-----|-----|---|---|---|---|
| No. No                                  | Name Of Monitoring Location                                       | Temp (°C) | Velocity (m/s) | DO (mg/L) | pH   | Cond (µmhos/cm) | BOD (mg/L) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Carbon (MPPN/100ml) | Total Carbon (MPPN/100ml) | Fecal Streptococci (MPPN/100ml) | E. Coli (MPPN/100ml) | Bacteriia (NTU) | Phosphatidic Acid (mg/L) | Total Bacteria (mg/L) | Chlorides (mg/L) | COD (mg/L) | Total Kjeldahl Nitrogen (mg/L) | Ammonia-N (mg/L) | Total Hardness (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sulphate (mg/L) | Sodium (mg/L) | Total Dissolved Solids (mg/L) | Total Total Solids (mg/L) | Total Suspended Solids (mg/L) | Phosphate (mg/L) | Boron (mg/L) | Fluoride (mg/L) | SAR    | % Sodium | OR & Copper (mg/L) | MLSS (mg/L) | MLTSS (mg/L) | Residual Chlorine (mg/L) |     |     |   |   |   |   |
|                                         | Limit for DR 9 as per CPCB classification based on designated use |           | <0.8 mg/L      | 5.5-6.5   |      | <1.0 mg/L       |            |                  |                  | <100 MPPN/100ml           |                           |                                 |                      | 30 NTU          |                          |                       |                  |            |                                |                  |                       |                |                  |                 |               |                               |                           |                               |                  |              |                 |        |          |                    |             |              |                          |     |     |   |   |   |   |
| 1                                       | RIVER MANDAY AT BRIDGE-CHERLA FERRY, PANAJI-GOA                   | 30        | 0.8            | 6.4       | 7.48 | 2890.0          | NDL        | 0.4              | 0.00             | 220                       | 120                       | NDL                             | NDL                  | NDL             | NDL                      | NDL                   | NDL              | 1270.25    | -                              | 3.36             | 0.12                  | 4890.0         | 460.0            | 480.0           | 270.0         | 2822.7                        | 17360.0                   | 7050.0                        | 7.0              | 0.00         | 2.0000          | 3073.0 | 0.0      | 20.0               | NDL         | NDL          | -                        | -   | -   | - |   |   |   |
| 2                                       | RIVER MANDAY AT ANDRA BRIDGE, PANAJI-GOA                          | 30        | 1.1            | 5.8       | 7.68 | 3000.0          | NDL        | 0.4              | 0.00             | 280                       | 170                       | 70                              | -                    | 3.45            | NDL                      | 196.0                 | 1039.25          | -          | 1.48                           | 0.40             | 6260.0                | 460.0          | 1260.0           | 2700.0          | 7800.0        | 19000.0                       | 8200.0                    | 5.0                           | 0.00             | 2.5200       | 3201.0          | 0.0    | 20.0     | NDL                | NDL         | -            | -                        | -   | -   |   |   |   |   |
| 3                                       | RIVER MANDAY AT TORNA-MARCELA                                     | 30        | 1.2            | 6.3       | 6.99 | 3000.0          | NDL        | 0.20             | 0.00             | 480                       | 320                       | 200                             | -                    | 3.70            | NDL                      | NDL                   | NDL              | 1716.50    | -                              | 0.56             | NDL                   | 4200.0         | 1220.0           | 97.0            | 840.0         | 10800                         | 12820.0                   | 7000.0                        | 4.0              | 0.00         | 0.1220          | 4000.0 | NDL      | 20.0               | NDL         | NDL          | -                        | -   | -   | - |   |   |   |
| 4                                       | CHANDRAN CANAL, CHANDRAN-CHARGE POINT OF TENDRA                   | 30        | -              | 5.5       | 7.22 | 1000.0          | NDL        | 0.22             | 0.05             | 300                       | 1700                      | 220                             | -                    | 5.52            | NDL                      | NDL                   | NDL              | 1720.12    | -                              | 1.00             | NDL                   | 7000.0         | 901.02           | 1100.0          | 1210.00       | 12000.0                       | 20000.0                   | 12000.0                       | 6.0              | 0.10         | 0.100           | 3710.0 | NDL      | NDL                | NDL         | NDL          | NDL                      | NDL | NDL | - | - | - | - |
| 5                                       | RIVER MAPULON CULTIVAT ON BRIDGE AT MAPULON-PANAJI                | 30        | 0.7            | 6.0       | 6.97 | 3010            | NDL        | NDL              | 0.02             | 2000                      | 2000                      | 200                             | -                    | 6.18            | NDL                      | 30.0                  | 60.00            | 10.0       | 1.12                           | NDL              | NDL                   | 70.0           | 10.0             | 0.1             | 0.1           | 10.0                          | 170.0                     | 27.0                          | 0.0              | NDL          | 0.10            | 0.7    | NDL      | 10.0               | 0.0         | NDL          | NDL                      | -   | -   | - | - |   |   |
| 6                                       | RIVER MANDAY AT ANDRA BRIDGE, ANDRA-GOA                           | 30        | 1.5            | 6.7       | 7.40 | 3890.0          | NDL        | 0.20             | 0.00             | 700                       | 700                       | 220                             | -                    | 5.17            | NDL                      | NDL                   | NDL              | 1027.25    | -                              | 0.36             | NDL                   | 8800.0         | 1122.20          | 970.0           | 1020.0        | 12700.0                       | 7800.0                    | 4.0                           | 0.00             | 0.1140       | 3000.0          | NDL    | NDL      | NDL                | NDL         | NDL          | NDL                      | NDL | -   | - | - | - |   |
| 7                                       | RIVER MANDAY AT DEVUTTY, PANAJI-GOA                               | 30        | 1.3            | 6.1       | 7.93 | 3700.0          | NDL        | 0.5              | 0.03             | 170                       | 110                       | 40                              | -                    | 3.90            | NDL                      | 100.0                 | 1000.00          | -          | 2.36                           | 0.11             | 7800.0                | 460.0          | 1400.0           | 3001.0          | 1901.0        | 1901.0                        | 12070.0                   | 12070.0                       | 5.0              | 0.00         | 1.0000          | 8070.7 | 0.0      | 20.0               | NDL         | NDL          | -                        | -   | -   | - |   |   |   |
| 8                                       | RIVER MANDAY NEAR HOTEL HABRAYE, PANAJI-GOA                       | 30        | 1.0            | 6.0       | 7.08 | 3000.0          | NDL        | 0.4              | 0.03             | 200                       | 170                       | 30                              | -                    | 6.02            | NDL                      | 100.0                 | 1000.00          | -          | 2.00                           | 0.00             | 3800.0                | 360.0          | 1000.0           | 1001.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 0.0          | 0.00            | 1.0000 | 3000.0   | 0.0                | 20.0        | NDL          | NDL                      | -   | -   | - | - |   |   |
| 9                                       | RIVER TRONCA AT TRONCA, PANAJI-GOA                                | 30        | 1.0            | 5.7       | 8.00 | 2000.0          | NDL        | NDL              | NDL              | 100                       | 800                       | 170                             | -                    | 4.00            | NDL                      | 100.0                 | 1000.00          | -          | 2.20                           | 0.00             | 4800.0                | 300.0          | 1000.0           | 1001.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.00   | 1.0000   | 2070.0             | NDL         | NDL          | NDL                      | NDL | -   | - | - | - |   |
| 10                                      | RIVER CANOIA AT CANOIA BRIDGE, ANDRA                              | 30        | 1.0            | 5.7       | 7.80 | 3000.0          | NDL        | NDL              | NDL              | 200                       | 1000                      | 200                             | -                    | 3.80            | NDL                      | NDL                   | NDL              | 1220.00    | -                              | 1.00             | NDL                   | 4800.0         | 1000.0           | 970.0           | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.07   | 1.00     | 2000.0             | 1.27        | 0.00         | NDL                      | NDL | -   | - | - | - |   |
| 11                                      | RIVER SHIGSHEM CANOIA NEAR BRIDGE, CANOIA-GOA                     | 30        | 1.2            | 5.0       | 7.07 | 4800.0          | NDL        | NDL              | NDL              | 1700                      | 1800                      | 170                             | -                    | 4.00            | NDL                      | 120.0                 | 1200.00          | -          | 1.12                           | 0.11             | 5400.0                | 460.0          | 970.0            | 1001.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.00   | 1.0000   | 1270.0             | 0.0         | 20.0         | NDL                      | NDL | -   | - | - | - |   |
| 12                                      | RIVER SHIGSHEM NEAR NEBUL TEMPLE, CANOIA-GOA                      | 30        | 1.3            | 5.0       | 7.03 | 4870.0          | 1.0        | 0.1              | 0.00             | 2100                      | 1700                      | 200                             | -                    | 4.70            | NDL                      | 120.0                 | 1200.00          | -          | 1.00                           | 0.11             | 5000.0                | 460.0          | 930.0            | 1001.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.00   | 1.0000   | 1270.0             | 0.0         | 20.0         | NDL                      | NDL | -   | - | - | - |   |
| 13                                      | TRONCA BEACH, PANAJI-GOA                                          | 30        | -              | 5.0       | 8.10 | 10070.0         | NDL        | NDL              | 0.00             | 70                        | 60                        | 20                              | -                    | 4.70            | 2.0                      | 100.0                 | 1000.00          | -          | 3.36                           | 0.07             | 4800.0                | 480.00         | 1200.0           | 3000.00         | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.07   | 1.0000   | 2070.0             | 1.00        | 20.0         | NDL                      | NDL | -   | - | - | - |   |
| 14                                      | BRANDON BEACH, PANAJI-GOA                                         | 30        | -              | 6.1       | 8.04 | 10000.0         | NDL        | 0.1              | 0.07             | 70                        | 60                        | 10                              | -                    | 10.34           | NDL                      | 100.0                 | 1000.00          | -          | 1.00                           | 0.00             | 4800.0                | 100.0          | 1001.0           | 1001.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.00   | 1.0000   | 4010.0             | 0.7         | 271.00       | NDL                      | NDL | -   | - | - | - |   |
| 15                                      | CALANGETTY BEACH                                                  | 30        | -              | 5.1       | 7.07 | 10000.0         | NDL        | NDL              | 0.00             | 70                        | 60                        | 10                              | -                    | 5.50            | NDL                      | 100.0                 | 1000.00          | -          | 2.00                           | 0.00             | 3800.0                | 360.0          | 407.0            | 1000.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.00   | 1.0000   | 1000.0             | 0.0         | 20.0         | NDL                      | NDL | -   | - | - | - |   |
| 16                                      | BOURIN BEACH                                                      | 30        | -              | 6.5       | 8.10 | 10000.0         | NDL        | NDL              | NDL              | 200                       | 120                       | 30                              | -                    | 1.43            | 4.0                      | 100.0                 | 1000.00          | -          | 1.00                           | NDL              | 4800.0                | 460.0          | 1000.0           | 1001.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.00   | 1.0000   | 2010.0             | NDL         | NDL          | -                        | -   | -   | - |   |   |   |
| 17                                      | NESTOR BEACH                                                      | 30        | -              | 6.0       | 8.07 | 10000.0         | NDL        | NDL              | NDL              | 70                        | 60                        | 10                              | -                    | 4.00            | NDL                      | 100.0                 | 1000.00          | -          | 2.00                           | 0.00             | 4800.0                | 460.0          | 1000.0           | 1001.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.00   | 1.0000   | 1000.0             | 0.0         | 20.0         | NDL                      | NDL | -   | - | - | - |   |
| 18                                      | HYDROGEN OF RIVER MANDAY, MS YENDATA PVT. LTD.                    | 30        | 1.0            | 6.5       | 7.07 | 10000.0         | NDL        | 0.2              | 0.00             | 2000                      | 1700                      | 110                             | -                    | 2.00            | NDL                      | 100.0                 | 1000.00          | -          | 0.56                           | NDL              | 3000.0                | 1000.0         | 1000.0           | 1001.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.00   | 1.0000   | 1000.0             | 0.0         | 20.0         | NDL                      | NDL | -   | - | - | - |   |
| 19                                      | CONCRETEWORK OF RIVER MANDAY, MS YENDATA PVT. LTD.                | 30        | 1.7            | 6.0       | 6.07 | 10000.0         | NDL        | 0.4              | 0.00             | 2400                      | 1200                      | 70                              | -                    | 2.31            | NDL                      | 160.0                 | 1600.00          | -          | 0.56                           | NDL              | 2100.0                | 1000.0         | 1000.0           | 1001.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.00   | 1.0000   | 1000.0             | NDL         | NDL          | -                        | -   | -   | - |   |   |   |
| 20                                      | BARROIL BEACH                                                     | 30        | -              | 5.0       | 8.15 | 10070.0         | NDL        | NDL              | NDL              | 120                       | 70                        | 40                              | -                    | 1.00            | 0.0                      | 100.0                 | 1000.00          | -          | 1.00                           | NDL              | 4800.0                | 1001.0         | 1000.0           | 1001.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.00   | 1.0000   | 2010.0             | 1.00        | 100.00       | NDL                      | NDL | -   | - | - | - |   |
| 21                                      | ALGA BEACH                                                        | 30        | -              | 6.0       | 7.00 | 40000.0         | NDL        | 0.0              | NDL              | 200                       | 100                       | 30                              | -                    | 0.00            | NDL                      | 100.0                 | 1000.00          | -          | 2.00                           | 0.12             | 6400.0                | 460.0          | 1000.0           | 1001.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.00   | 1.0000   | 1000.0             | 0.0         | 20.0         | NDL                      | NDL | -   | - | - | - |   |
| 22                                      | BARROIL BEACH                                                     | 30        | -              | 5.2       | 8.04 | 40000.0         | NDL        | NDL              | 0.00             | 170                       | 110                       | 70                              | -                    | 0.45            | NDL                      | 120.0                 | 1200.00          | -          | 1.00                           | NDL              | 7000.0                | 460.0          | 1000.0           | 1001.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.00   | 1.0000   | 1000.0             | 0.0         | 20.0         | NDL                      | NDL | -   | - | - | - |   |

| No. No | Name Of Monitoring Location                                          | Temp (°C) | Velocity (m/s) | DO (mg/L) | pH      | Cond (µmhos/cm) | BOD (mg/L) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Carbon (MPPN/100ml) | Total Carbon (MPPN/100ml) | Fecal Streptococci (MPPN/100ml) | E. Coli (MPPN/100ml) | Bacteriia (NTU) | Phosphatidic Acid (mg/L) | Total Bacteria (mg/L) | Chlorides (mg/L) | COD (mg/L) | Total Kjeldahl Nitrogen (mg/L) | Ammonia-N (mg/L) | Total Hardness (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sulphate (mg/L) | Sodium (mg/L) | Total Dissolved Solids (mg/L) | Total Total Solids (mg/L) | Total Suspended Solids (mg/L) | Phosphate (mg/L) | Boron (mg/L) | Fluoride (mg/L) | SAR  | % Sodium | OR & Copper (mg/L) | MLSS (mg/L) | MLTSS (mg/L) | Residual Chlorine (mg/L) |   |   |   |
|--------|----------------------------------------------------------------------|-----------|----------------|-----------|---------|-----------------|------------|------------------|------------------|---------------------------|---------------------------|---------------------------------|----------------------|-----------------|--------------------------|-----------------------|------------------|------------|--------------------------------|------------------|-----------------------|----------------|------------------|-----------------|---------------|-------------------------------|---------------------------|-------------------------------|------------------|--------------|-----------------|------|----------|--------------------|-------------|--------------|--------------------------|---|---|---|
|        | Limit for Class C as per CPCB classification based on designated use |           |                | 5.0-6.5   | 7.0-8.5 | 1200 µmhos/cm   |            |                  |                  |                           |                           |                                 |                      |                 |                          |                       |                  |            |                                |                  |                       |                |                  |                 |               |                               |                           |                               |                  |              |                 |      |          |                    |             |              |                          |   |   |   |
| 1      | MOONRISE LAKE, BECHEROLIM-GOA                                        | 26        | -              | 7.3       | 6.37    | 1010.0          | NDL        | 0.1              | NDL              | 2000                      | 700                       | 100                             | -                    | 2.03            | NDL                      | 10.0                  | 7.40             | 0.0        | 0.00                           | NDL              | 10.0                  | 4.0            | NDL              | 0.70            | 10.0          | 10.0                          | 0.0                       | 0.0                           | NDL              | NDL          | 7.1             | 0.4  | 40.00    | 801.00             | -           | -            | -                        | - | - | - |
| 2      | ANDRA LAKE, ANDRA, NATTI-ARICA                                       | 26        | -              | 7.3       | 7.10    | 1010.0          | NDL        | 0.1              | NDL              | 600                       | 600                       | 100                             | -                    | 1.00            | NDL                      | 10.0                  | 10.0             | 0.0        | 0.00                           | 0.1              | 10.0                  | 3.0            | NDL              | 1.1             | 10.0          | 10.0                          | 0.0                       | 0.0                           | NDL              | NDL          | 10.0            | 0.0  | 0.00     | 101.00             | -           | -            | -                        | - | - | - |
| 3      | CARABARIMOL LAKE, CARABARIMOL                                        | 30        | -              | 5.0       | 7.50    | 171.7           | NDL        | NDL              | NDL              | 700                       | 600                       | 100                             | -                    | 4.00            | NDL                      | 100.0                 | 1000.00          | -          | 0.56                           | NDL              | 1000.0                | 1000.0         | 1000.0           | 1001.0          | 1001.0        | 1001.0                        | 1001.0                    | 1001.0                        | 1001.0           | 1001.0       | 0.0             | 0.00 | 1.0000   | 1.0                | NDL         | NDL          | -                        | - | - | - |
| 4      | BECHEROLIM LAKE, TELIA, TENDRA-GOA                                   | 30        | -              | 6.1       | 6.5     | 100.0           | NDL        | NDL              | 0.00             | 1700                      | 100                       | -                               | -                    | 10.0            | NDL                      | 10.0                  | 10.0             | 0.0        | 1.12                           | NDL              | 40.0                  | 0.0            | 0.01             | 10.0            | 0.1           | NDL                           | 10.0                      | 10.0                          | 10.0             | 0.0          | NDL             | NDL  | 10.0     | NDL                | NDL         | NDL          | -                        | - | - | - |
| 5      | MOONRISE LAKE, BECHEROLIM                                            | 29        | -              | 6.0       | 6.70    | 1007.0          | NDL        | 0.1              | NDL              | 200                       | 170                       | 10                              | -                    | 1.70            | NDL                      | 10.0                  | 10.0             | 0.0        | 1.12                           | NDL              | 40.0                  | 0.0            | 0.01             | 10.0            | 0.1           | NDL                           | 10.0                      | 10.0                          | 10.0             | 0.0          | NDL             | NDL  | 10.0     | 0.0                | 0.00        | 101.00       | -                        | - | - | - |
| 6      | BECHEROLIM LAKE, BECHEROLIM                                          | 30        | -              | 6.0       | 7.00    | 1000.0          | NDL        | NDL              | NDL              | 2000                      | 1000                      | 100                             | -                    | 1.00            | NDL                      | 10.0                  | 10.0             | 0.0        | 1.12                           | NDL              | 10.0                  | 0.0            | 0.01             | 10.0            | 0.1           | NDL                           | 10.0                      | 10.0                          | 10.0             | 0.0          | NDL             | NDL  | 10.0     | 0.0                | 0.00        | 101.00       | -                        | - | - | - |
| 7      | BECHEROLIM LAKE, BECHEROLIM, BECHEROLIM                              | 30        | -              | 5.0       | 6.40    | 1010.0          | NDL        | 0.1              | 0.00             | 100                       | 600                       | 70                              | -                    | 1.11            | NDL                      | 10.0                  | 10.0             | 0.0        | 1.12                           | NDL              | 10.0                  | 0.0            | 0.01             | 10.0            | 0.1           | NDL                           | 10.0                      | 10.0                          | 10.0             | 0.0          | NDL             | NDL  | 10.0     | 0.0                | 0.00        | 101.00       | -                        | - | - | - |
| 8      | MOONRISE LAKE, CARABARIMOL                                           | 29        | -              | 6.1       | 6.00    | 717.7           | NDL        | 0.3              | 0.00             | 2000                      | 1000                      | 100                             | -                    | 2.35            | NDL                      | 10.0                  | 10.0             | 0.0        | 1.12</                         |                  |                       |                |                  |                 |               |                               |                           |                               |                  |              |                 |      |          |                    |             |              |                          |   |   |   |

| NHAP DATA FOR THE MONTH OF JANUARY 2025                                |                                             |           |                |            |      |            |            |                  |                  |                             |                             |                                |                 |                               |                         |                  |            |                       |                  |                       |                |                  |                 |                    |                               |                           |                               |                  |              |                    |                 |            |                     |                     |             |              |                          |   |   |
|------------------------------------------------------------------------|---------------------------------------------|-----------|----------------|------------|------|------------|------------|------------------|------------------|-----------------------------|-----------------------------|--------------------------------|-----------------|-------------------------------|-------------------------|------------------|------------|-----------------------|------------------|-----------------------|----------------|------------------|-----------------|--------------------|-------------------------------|---------------------------|-------------------------------|------------------|--------------|--------------------|-----------------|------------|---------------------|---------------------|-------------|--------------|--------------------------|---|---|
| No. No.                                                                | Name Of Monitoring Location                 | Temp (°C) | Salinity (ppt) | DPO (mg/l) | pH   | Cuad (ppm) | BOD (mg/l) | Nitrate-N (mg/l) | Nitrite-N (mg/l) | Total Coliforms (MPN/100ml) | Fecal Coliforms (MPN/100ml) | Fecal Streptococci (MPN/100ml) | Turbidity (NTU) | Phosphatibic Acidibity (mg/l) | Total Alkalibity (mg/l) | Chlorides (mg/l) | COD (mg/l) | Total Nitrogen (mg/l) | Ammonia-N (mg/l) | Total Hardness (mg/l) | Calcium (mg/l) | Magnesium (mg/l) | Sulphate (mg/l) | Sulfate (Mg (mg/l) | Total Dissolved Solids (mg/l) | Total Total Solids (mg/l) | Total Suspended Solids (mg/l) | Phosphate (mg/l) | Boron (mg/l) | Fluoride (M (mg/l) | Fluoride (mg/l) | VAR (mg/l) | Percent Soluble (%) | OR & Conduct (mg/l) | MLSS (mg/l) | MLVSS (mg/l) | Residual Chlorine (mg/l) |   |   |
| Limit for Class 'B' as per CPCB classification based on designated use |                                             |           | <1.8 mg/l      | 6.5-8.5    |      | <1.8 mg/l  |            |                  |                  | <180 MPN/100 ml             | <180 MPN/100 ml             |                                | 30 NTU          |                               |                         |                  |            |                       |                  |                       |                |                  |                 |                    |                               |                           |                               |                  |              |                    |                 |            |                     |                     |             |              |                          |   |   |
| 1                                                                      | RIVER ZUARI AT CONJALM, CONJALM-GOA         | 29        | 0.5            | 5.7        | 7.58 | 4880.0     | 80X        | 0.7              | 0.05             | 1760                        | 760                         | 530                            | 35.1            | 80X                           | 120.0                   | 13893.0          | -          | 0.56                  | 80X              | 6880.0                | 480.0          | 1312.0           | 1862.0          | 8880.0             | 28160.0                       | 17400.0                   | 24.0                          | 0.06             | 3.677        | 3400.0             | 1.0             | 227.1      | 85.08               | -                   | -           | -            | -                        | - |   |
| 2                                                                      | RIVER ZUARI AT MANDUJETT, MANDUJETT-GOA     | 30        | 0.5            | 6.1        | 8.84 | 4880.0     | 80X        | 0.89             | 0.05             | 1760                        | 1300                        | 480                            | 6.0             | 80X                           | 108.0                   | 11995.0          | -          | 2.24                  | 0.07             | 6880.0                | 480.0          | 1380.0           | 1795.7          | 17975.0            | 38213.0                       | 12500.0                   | 11.0                          | 0.05             | 2.488        | 4000.0             | 1.0             | 608.31     | 92.5                | -                   | -           | -            | -                        | - |   |
| 3                                                                      | RIVER ZUARI AT MANDUJETT, MANDUJETT-GOA     | 29        | 0.3            | 5.0        | 6.0  | 3030.0     | 80X        | 0.2              | 0.04             | 2200                        | 1200                        | 340                            | 4.47            | 80X                           | 60.0                    | 10871.0          | -          | 1.00                  | 80X              | 3880.0                | 480.0          | 105.0            | 1063.0          | 17180.0            | 37100.0                       | 17.0                      | 0.03                          | 1.6885           | 150.0        | 0.0                | 34.25           | 46.4       | -                   | -                   | -           | -            | -                        |   |   |
| 4                                                                      | RIVER ZUARI AT PANCHAGHOS                   | 30        | 0.4            | 6.0        | 6.00 | 1393.0     | 80X        | 0.4              | 0.04             | 350                         | 170                         | 110                            | 4.78            | 80X                           | 52.0                    | 4895.0           | -          | 2.2                   | 80X              | 2000.0                | 361.0          | 145.0            | 484.0           | 481.2              | 7803.0                        | 2680.0                    | 19.0                          | 80X              | 6736         | 74.0               | 0.0             | 30.1       | 97.37               | -                   | -           | -            | -                        | - |   |
| 5                                                                      | RIVER SAL AT KUNDER, NERVA, SALCETTE-GOA    | 29        | -              | 1.5        | 6.0  | 384.0      | 5.0        | 0.1              | 80X              | 3300                        | 2200                        | 170                            | 21.0            | 80X                           | 16.0                    | 36.0             | 16.0       | 1.12                  | 80X              | 46.0                  | 6.0            | 5.0              | 7.0             | 18.0               | 64.0                          | 43.0                      | 23.0                          | 80X              | 883.0        | 16.0               | 0.0             | 7.57       | 47.40               | -                   | -           | -            | -                        | - |   |
| 6                                                                      | RIVER SAL INADICOM                          | 29        | 0.4            | 6.4        | 6.76 | 51.46      | 80X        | 80X              | 80X              | 4900                        | 2000                        | 490                            | 9.10            | 80X                           | 38.0                    | 11.5             | 6.0        | 0.50                  | 80X              | 410.0                 | 5.0            | 6.0              | 11.0            | 10.0               | 10.0                          | 22.0                      | 10.0                          | 0.03             | 6.6139       | 9.0                | 80X             | 8.4        | 70.0                | -                   | -           | -            | -                        | - |   |
| 7                                                                      | RIVER SAL AT KHAMBERDOL, MARGAO             | 30        | 0.6            | 80X        | 7.08 | 225.7      | 5.0        | 0.0              | 0.012            | 13500                       | 4900                        | 490                            | 7.06            | 80X                           | 72.0                    | 29.50            | 20.0       | 1.00                  | 80X              | 2.76                  | 52.0           | 13.00            | 4.4             | 14.1               | 10.0                          | 146.0                     | 86.0                          | 12.0             | 0.26         | 0.0007             | 9.0             | 0.0        | 11.30               | 70.30               | -           | -            | -                        | - | - |
| 8                                                                      | RIVER SAL AT ORLEM BRIDGE, ORLEM            | 30        | 0.6            | 4.1        | 7.50 | 2880.0     | 80X        | 2.1              | 0.00             | 5400                        | 1300                        | 230                            | 2.05            | 80X                           | 106.0                   | 12021.0          | -          | 1.1                   | 0.37             | 4200                  | 361.0          | 480.4            | 474.0           | 7725.0             | 17060.0                       | 102340                    | 4.0                           | 0.10             | 1.88         | 107.0              | 1.0             | 100.85     | 86.10               | -                   | -           | -            | -                        | - |   |
| 9                                                                      | RIVER SAL NEAR HOTEL LELLA MORON, CAVAYEDEM | 30        | 0.5            | 7.8        | 7.85 | 4220.0     | 80X        | 0.06             | 80X              | 2300                        | 1300                        | 130                            | 1.70            | 14.0                          | 196.0                   | 13860.0          | -          | 1.00                  | 1.00             | 6880.0                | 480.0          | 1360.0           | 1387.0          | 9380.0             | 27861.0                       | 16007.0                   | 1.0                           | 0.03             | 3.3074       | 2500.0             | 1.30            | 288.97     | 85.00               | -                   | -           | -            | -                        | - |   |
| 10                                                                     | MORON BEACH                                 | 30        | -              | 7.1        | 8.01 | 4305.0     | 80X        | 0.1              | 80X              | 130                         | 70                          | 49                             | 4.84            | 14.0                          | 114.0                   | 17764.0          | -          | 0.56                  | 0.05             | 3000.0                | 641.30         | 2841.2           | 1685.0          | 9800.0             | 27880.0                       | 16885.0                   | 0.0                           | 0.02             | 3.2848       | 2050.0             | 1.1             | 276.32     | 82.82               | -                   | -           | -            | -                        | - |   |
| 11                                                                     | LAGGONG BEACH                               | 30        | -              | 6.3        | 8.09 | 5120.0     | 80X        | 80X              | 80X              | 40                          | 33                          | 23                             | 4.38            | 2.0                           | 130.0                   | 17864.0          | -          | 1.00                  | 80X              | 640.0                 | 480.0          | 1200.0           | 215.05          | 4200.0             | 32775.0                       | 24880.0                   | 115.0                         | 0.1              | 3.4126       | 2375.0             | 80X             | 142.11     | 76.77               | -                   | -           | -            | -                        | - |   |
| 12                                                                     | LAGGONG BEACH                               | 31        | -              | 5.8        | 7.80 | 1393.0     | 2.0        | 80X              | 80X              | 140                         | 70                          | 49                             | 3.80            | 2.0                           | 112.0                   | 18340.0          | -          | 0.40                  | 80X              | 6880.0                | 361.0          | 1205.0           | 2880.0          | 4875.0             | 31390.0                       | 1688.0                    | 16.0                          | 0.06             | 1.6000       | 2550.0             | 1.30            | 151.40     | 76.30               | -                   | -           | -            | -                        | - |   |
| 13                                                                     | BEYALBATH BEACH                             | 31        | -              | 7.1        | 8.14 | 1386.0     | 1.5        | 80X              | 80X              | 350                         | 130                         | 130                            | 1.00            | 3.0                           | 108.0                   | 18744.0          | -          | 2.00                  | 80X              | 640.0                 | 480.0          | 1312.0           | 2051.08         | 4800.0             | 32776.0                       | 21877.0                   | 129.0                         | 0.04             | 3.431        | 2550.0             | 80X             | 101.90     | 80.00               | -                   | -           | -            | -                        | - |   |
| 14                                                                     | LAGGONG BEACH                               | 30        | -              | 5.8        | 7.87 | 12790.0    | 2.0        | 80X              | 80X              | 40                          | 33                          | 23                             | 4.00            | 6.0                           | 130.0                   | 18864.0          | -          | 2.00                  | 80X              | 6880.0                | 480.0          | 1312.0           | 2237.00         | 4800.0             | 34707.0                       | 23880.0                   | 110.0                         | 0.03             | 3.46329      | 2375.0             | 80X             | 140.30     | 76.80               | -                   | -           | -            | -                        | - |   |
| 15                                                                     | VELLA BEACH                                 | 30        | -              | 7.1        | 7.82 | 4710.0     | 80X        | 0.1              | 0.007            | 240                         | 130                         | 49                             | 8.33            | 14.0                          | 106.0                   | 17264.7          | -          | 1.12                  | 80X              | 640.0                 | 361.1          | 1210.0           | 2680.0          | 6230.0             | 27381.0                       | 17797.0                   | 21.0                          | 0.03             | 2.734        | 3225.0             | 80X             | 206.37     | 83.00               | -                   | -           | -            | -                        | - |   |
| 16                                                                     | BOONABO BEACH                               | 30        | -              | 5.7        | 8.17 | 1210.0     | 80X        | 80X              | 80X              | 200                         | 94                          | 33                             | 3.1             | 14.0                          | 108.0                   | 17300.0          | -          | 3.4                   | 0.05             | 6500.0                | 4.0            | 400.0            | 1381.0          | 21965.0            | 7015.0                        | 17.0                      | 80X                           | 2380             | 273.4        | 1.0                | 6.08            | 32.48      | -                   | -                   | -           | -            | -                        |   |   |
| 17                                                                     | BARNA BEACH                                 | 30        | -              | 5.9        | 8.12 | 5884.0     | 80X        | 0.2              | 80X              | 300                         | 170                         | 79                             | 2.87            | 30.0                          | 112.0                   | 12842.0          | -          | 3.0                   | 1.05             | 6880.0                | 2.4            | 1276.0           | 13861.0         | 10740.0            | 33.0                          | 11.0                      | 26.0                          | 80X              | 2.738        | 290.0              | 1.1             | 50.4       | 52.77               | -                   | -           | -            | -                        | - |   |
| 18                                                                     | BEYALBATH BEACH                             | 30        | -              | 6.3        | 8.21 | 4700       | 80X        | 0.1              | 80X              | 33                          | 23                          | 7.8                            | 5.64            | 26.0                          | 122.0                   | 17864.38         | -          | 0.56                  | 80X              | 7400                  | 801.6          | 1312.0           | 1322.0          | 7825.0             | 17800                         | 16812.0                   | 11.0                          | 80X              | 1.7607       | 3500.0             | 1.2             | 240.7      | 84.00               | -                   | -           | -            | -                        | - |   |
| 19                                                                     | BEYALBATH BEACH                             | 30        | -              | 6.3        | 8.10 | 4880       | 80X        | 0.30             | 80X              | 40                          | 33                          | 23                             | 4.50            | 30.0                          | 17764.5                 | -                | 1.12       | 80X                   | 5400             | 641.20                | 923.0          | 3880.0           | 17860.0         | 25851.0            | 13480.0                       | 0.0                       | 0.04                          | 3.4104           | 2550.0       | 1.2                | 275.10          | 80.10      | -                   | -                   | -           | -            | -                        |   |   |
| 20                                                                     | BARNA BEACH                                 | 30        | -              | 6.7        | 8.08 | 47400      | 80X        | 0.1              | 80X              | 23                          | 13                          | 12                             | 4.00            | 12.0                          | 96.0                    | 17764.30         | -          | 1.12                  | 0.07             | 8800.0                | 380.00         | 1312.0           | 4433.04         | 7800.0             | 30233.0                       | 12230.0                   | 11.0                          | 80X              | 1.7600       | 3500.0             | 0.7             | 227.34     | 76.30               | -                   | -           | -            | -                        | - |   |
| 21                                                                     | CAZIVA BEACH                                | 30        | -              | 5.6        | 8.10 | 4810.0     | 80X        | 0.1              | 80X              | 79                          | 49                          | 23                             | 5.22            | 36.0                          | 96.0                    | 17864.42         | -          | 0.56                  | 80X              | 7800.0                | 721.44         | 1400.0           | 4880.00         | 7300.0             | 24481.0                       | 13860.0                   | 0.0                           | 80X              | 3.1946       | 3425.0             | 1.1             | 220.05     | 83.18               | -                   | -           | -            | -                        | - |   |
| 22                                                                     | CAZIVA CREEK UPPER DAM, CAZIVA-GOA          | 30        | -              | 6.7        | 7.89 | 1386.0     | 80X        | 0.7              | 0.038            | 3300                        | 2000                        | 170                            | 0.35            | 80X                           | 80.0                    | 4890.0           | -          | 2.0                   | 0.70             | 1400.0                | 138.30         | 2771.0           | 71.70           | 880.0              | 4871.0                        | 1380.0                    | 0.0                           | 0.00             | 0.0780       | 234.0              | 0.0             | 62.30      | 73.0                | -                   | -           | -            | -                        | - |   |
| 23                                                                     | CAZIVA CREEK DOWNSTREAM, CAZIVA-GOA         | 30        | -              | 7.0        | 7.13 | 12200      | 80X        | 2.0              | 0.05             | 7000                        | 3300                        | 200                            | 7.5             | 80X                           | 60.0                    | 3008.00          | -          | 2.24                  | 0.040            | 1300.0                | 356.2          | 272.10           | 61.30           | 700.0              | 7261.0                        | 4071.0                    | 0.0                           | 0.10             | 0.00070      | 170.0              | 0.7             | 52.4       | 70.47               | -                   | -           | -            | -                        | - |   |

| No. No.                                                                | Name Of Monitoring Location                           | Temp (°C) | Salinity (ppt) | DPO (mg/l) | pH   | Cuad (ppm) | BOD (mg/l) | Nitrate-N (mg/l) | Nitrite-N (mg/l) | Total Coliforms (MPN/100ml) | Fecal Coliforms (MPN/100ml) | Fecal Streptococci (MPN/100ml) | Turbidity (NTU) | Phosphatibic Acidibity (mg/l) | Total Alkalibity (mg/l) | Chlorides (mg/l) | COD (mg/l) | Total Nitrogen (mg/l) | Ammonia-N (mg/l) | Total Hardness (mg/l) | Calcium (mg/l) | Magnesium (mg/l) | Sulphate (mg/l) | Sulfate (Mg (mg/l) | Total Dissolved Solids (mg/l) | Total Total Solids (mg/l) | Total Suspended Solids (mg/l) | Phosphate (mg/l) | Boron (mg/l) | Fluoride (M (mg/l) | Fluoride (mg/l) | VAR (mg/l) | Percent Soluble (%) | OR & Conduct (mg/l) | MLSS (mg/l) | MLVSS (mg/l) | Residual Chlorine (mg/l) |   |
|------------------------------------------------------------------------|-------------------------------------------------------|-----------|----------------|------------|------|------------|------------|------------------|------------------|-----------------------------|-----------------------------|--------------------------------|-----------------|-------------------------------|-------------------------|------------------|------------|-----------------------|------------------|-----------------------|----------------|------------------|-----------------|--------------------|-------------------------------|---------------------------|-------------------------------|------------------|--------------|--------------------|-----------------|------------|---------------------|---------------------|-------------|--------------|--------------------------|---|
| Limit for Class 'C' as per CPCB classification based on designated use |                                                       |           | <1.8 mg/l      | 6.0-8.0    |      | <1.8 mg/l  |            |                  |                  | <180 MPN/100 ml             | <180 MPN/100 ml             |                                |                 |                               |                         |                  |            |                       |                  |                       |                |                  |                 |                    |                               |                           |                               |                  |              |                    |                 |            |                     |                     |             |              |                          |   |
| 1                                                                      | AGRICULTURAL UP STREAM OF CONCOLEM INC, CONCOLEM-GOA  | 28        | 0.2            | 7.7        | 6.02 | 86.75      | 80X        | 80X              | 80X              | 2400                        | 760                         | 530                            | 2.4             | 80X                           | 18.0                    | 6.1              | 4.0        | 1.12                  | 80X              | 410.0                 | 4.0            | 7.0              | 4.1             | 20.0               | 42.0                          | 16.0                      | 4.0                           | 80X              | 80X          | 9.1                | 80X             | 8.0        | 71.7                | -                   | -           | -            | -                        | - |
| 2                                                                      | AGRICULTURAL DOWNSTREAM OF CONCOLEM INC, CONCOLEM-GOA | 28        | 0.2            | 6.7        | 6.56 | 51.30      | 80X        | 0.2              | 80X              | 5400                        | 2400                        | 540                            | 3.10            | 80X                           | 20.0                    | 5.5              | 4.0        | 0.56                  | 80X              | 24.0                  | 4.0            | 2.0              | 4.0             | 20.0               | 31.0                          | 12.0                      | 5.0                           | 80X              | 0.00040      | 9.1                | 80X             | 10.5       | 79.0                | -                   | -           | -            | -                        | - |
| 3                                                                      | LAGGONG LAKE, CONCOLEMA, SALCETTE-GOA                 | 29        | -              | 6.8        | 6.09 | 80.31      | 80X        | 0.2              | 0.00             | 2000                        | 1700                        | 130                            | 2.16            | 80X                           | 26.0                    | 7.5              | 8.0        | 1.12                  | 80X              | 56.0                  | 4.0            | 11.7             | 5.1             | 30.0               | 46.0                          | 16.0                      | 4.0                           | 0.03             | 80X          | 9.1                | 0.0             | 7.4        | 63.5                | -                   | -           | -            | -                        | - |
| 4                                                                      | KELDEM LAKE, KELDEM QUEREM                            | 30        | -              | 6.7        | 6.81 | 81.77      | 80X        | 1.62             | 80X              | 2700                        | 1700                        | 130                            | 10.00           | 80X                           | 20.0                    | 0.50             | 12.0       | 2.24                  | 80X              | 410.0                 | 7.21           | 5.81             | 3.45            | 21.0               | 63.0                          | 47.0                      | 26.0                          | 0.11             | 80X          | 2.0                | 80X             | 0.55       | 40.17               | -                   | -           | -            | -                        | - |
| 5                                                                      | BARNA LAKE, QUEREM                                    | 30        | -              | 7.0        | 6.91 | 76.34      | 80X        | 80X              | 80X              | 2400                        | 1300                        | 230                            | 4.50            | 80X                           | 20.0                    | 0.0              | 14.0       | 1.12                  | 80X              | 26.0                  | 4.01           | 3.40             | 3.09            | 30.0               | 43.0                          | 33.0                      | 3.0                           | 80X              | 80X          | 0.4                | 80X             | 13.25      | 70.80               | -                   | -           | -            | -                        | - |
| 6                                                                      | CURTORM LAKE, QUEREM                                  | 30        | -              | 6.8        | 6.59 | 72.44      | 80X        | 80X              | 80X              | 2400                        | 1400                        | 170                            | 6.91            | 80X                           | 22                      | 6.0              | 36         | 1.12                  | 0.10             | 26.0                  | 6.40           | 1.80             | 2.01            | 27.0               | 45.0                          | 27                        | 3.0                           | 0.03             | 80X          | 1.6                | 80X             | 11.70      | 71.40               | -                   | -           | -            | -                        | - |
| 7                                                                      | MACALINA LAKE, MACALINA, CURTORM                      | 29        | -              | 5.7        | 7.10 | 111.8      | 2.0        | 80X              | 80X              | 2000                        | 1400                        | 130                            | 1.00            | 36.0                          | 6.41                    | 5.35             | 10.0       | 0.05                  | 36.0             | 6.41                  | 5.35           | 10.0             | 1.7             | 47.0               | 48.0                          | 22.0                      | 0.02                          | 80X              | 7.7          | 80X                | 0.7             | 44.42      | -                   | -                   | -           | -            | -                        |   |
| 8                                                                      | CURTORM LAKE, CURTORM-GOA                             | 29        | -              | 5.1        | 7.08 | 126.7      | 2.0        | 0.1              | 0.005            | 200                         | 170                         | 79                             | 0.22            | 80X                           | 46.0                    | 10.00            | 12.0       | 1.12                  | 0.10             | 48.0                  | 8.02           | 8.80             | 80X             | 3.0                | 82.0                          | 58.0                      | 10.0                          | 80X              | 80X          | 4.0                | 80X             | 2.05       | 40.04               | -                   | -           | -            | -                        | - |
| 9                                                                      | ANTVELLEM LAKE, CURTORM, SALCETTE-GOA                 | 30        | -              | 6.1        | 7.02 | 121.0      | 0.7        | 80X              | 80X              | 2000                        | 1400                        | 200                            | 5.01            | 80X                           | 30.0                    | 12.00            | 10.0       | 1.12                  | 0.00             | 410.0                 | 7.21           | 5.81             | 3.45            | 21.0               | 71.0                          | 51.0                      | 27.0                          | 80X              |              |                    |                 |            |                     |                     |             |              |                          |   |

