

| NWMP DATA FOR THE MONTH OF SEPTEMBER 2023 |                                                     |           |                |           |      |              |            |                  |                            |                            |                                |                    |                 |                          |                         |                 |            |                                |                  |                       |                |                  |                 |                    |                     |                           |                               |                  |              |                      |                 |                     |             |              |                          |   |   |   |
|-------------------------------------------|-----------------------------------------------------|-----------|----------------|-----------|------|--------------|------------|------------------|----------------------------|----------------------------|--------------------------------|--------------------|-----------------|--------------------------|-------------------------|-----------------|------------|--------------------------------|------------------|-----------------------|----------------|------------------|-----------------|--------------------|---------------------|---------------------------|-------------------------------|------------------|--------------|----------------------|-----------------|---------------------|-------------|--------------|--------------------------|---|---|---|
| Sl. No.                                   | Name Of Monitoring Location                         | Temp (°C) | Velocity (m/s) | DO (mg/l) | pH   | Cond (µs/cm) | BOD (mg/l) | Nitrate-N (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | Fecal Streptococci (MPN/100ml) | E.coli (MPN/100ml) | Turbidity (NTU) | Phosphatidic Acid (mg/l) | Total Alkalinity (mg/l) | Chloride (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 (Na) (mg/l) | Total Solids (mg/l) | Total Fixed Solids (mg/l) | Total Suspended Solids (mg/l) | Phosphate (mg/l) | Boron (mg/l) | Potassium (K) (mg/l) | Fluoride (mg/l) | Oil & Grease (mg/l) | MLSS (mg/l) | MLVSS (mg/l) | Residual Chlorine (mg/l) |   |   |   |
| 1                                         | RIVER MANDOI AT BRANCH-CHODIA FERRY, PANAR-GOA      | 30        | 1.1            | 6.7       | 6.93 | 38970        | BDL        | BDL              | BDL                        | 490                        | 730                            | 130                | 7.1             | BDL                      | 112.0                   | 12900           | -          | 1.12                           | BDL              | 5600.0                | 264.5          | 1200.4           | 662             | 768.3              | 19747.0             | 16608.0                   | 44.0                          | 0.157            | 1.61         | 796.9                | 1               | -                   | -           | -            | -                        | - |   |   |
| 2                                         | RIVER MANDOI UNDER MANDOI BRIDGE, PANAR-GOA         | 30        | 0.9            | 6.5       | 6.97 | 40530.0      | BDL        | BDL              | BDL                        | 1100                       | 490                            | 130                | 8.54            | BDL                      | 122.0                   | 14495.50        | -          | 1.12                           | BDL              | 7400.0                | 120.6          | 1603.8           | 911.49          | 836.0              | 25164.0             | 17248.0                   | 58.0                          | 0.164            | 1.67         | 353.3                | 1.05            | -                   | -           | -            | -                        | - |   |   |
| 3                                         | RIVER MANDOI AT TONCA-MAROLA                        | 28        | 0.6            | 6.8       | 7.23 | 377.00       | BDL        | 0.099            | BDL                        | 1300                       | 2200                           | 110                | 3.92            | BDL                      | 28.0                    | 179.9           | 6          | 0.56                           | 0.017            | 76.0                  | 8.02           | 13.6             | 20.18           | 136.0              | 453.0               | 181.0                     | 7.0                           | BDL              | BDL          | 184.6                | 0.4             | -                   | -           | -            | -                        | - |   |   |
| 4                                         | RIVER KAJNA AT CHANDEL FERNEM-GOA                   | 29        | 0.9            | 7.8       | 7.64 | 70.20        | BDL        | BDL              | BDL                        | 1300                       | 2100                           | 68                 | 2.08            | BDL                      | 60.0                    | 4.00            | 4.0        | 0.56                           | BDL              | 30.0                  | 6.00           | 2.40             | 1.20            | 17.1               | 43.0                | 34.0                      | 4.0                           | 0.050            | 0.61         | 12.9                 | BDL             | -                   | -           | -            | -                        | - |   |   |
| 5                                         | RIVER VAL VANTI AT SANGUEIM                         | 28        | 0.2            | 7.9       | 6.96 | 60.90        | BDL        | 0.130            | BDL                        | 6600                       | 1100                           | 320                | 3.62            | BDL                      | 22.0                    | 3.91            | 4.0        | 2.24                           | BDL              | 15.0                  | 4.01           | 1.94             | 2.62            | 27.1               | 38.0                | 24.0                      | 10.0                          | 0.435            | 0.42         | 13.3                 | 0.39            | -                   | -           | -            | -                        | - |   |   |
| 6                                         | RIVER MADAI AT DABOL, VASCOI-GOA                    | 28        | 0.3            | 8.2       | 7.18 | 77.80        | BDL        | 0.10             | BDL                        | 2500                       | 1700                           | 300                | 3.52            | BDL                      | 28.0                    | 3.91            | 8.0        | 1.12                           | BDL              | 28.0                  | 4.01           | 4.37             | 2.620           | 28.2               | 40.0                | 28.0                      | 7.0                           | 0.04             | 0.62         | 11.2                 | 0.56            | -                   | -           | -            | -                        | - |   |   |
| 7                                         | RIVER ASSONORA AT ASSONORA-GOA                      | 28        | 0.3            | 7.2       | 6.75 | 70.4         | BDL        | 0.08             | BDL                        | 1300                       | 2100                           | 700                | 4.62            | BDL                      | 24.0                    | 4.89            | 6.0        | 1.6                            | BDL              | 30.0                  | 8.81           | 4.37             | 3.73            | 24.5               | 44.0                | 27.0                      | 6.0                           | 0.20             | 0.26         | 12.8                 | 0.52            | -                   | -           | -            | -                        | - |   |   |
| 8                                         | INLET TTP TONCA, PANAR-GOA                          | -         | -              | -         | 5.8  | -            | 210.0      | -                | 9400000                    | 1600000                    | 1700000                        | PRESENT            | -               | -                        | -                       | -               | 500.0      | -                              | 29.58            | -                     | -              | -                | -               | -                  | -                   | 180.0                     | 49.37                         | -                | -            | -                    | -               | -                   | -           | 190.0        | 360.0                    | - | - | - |
| 9                                         | OUTLET TTP TONCA, PANAR-GOA                         | -         | -              | -         | 7.33 | -            | 8.4        | -                | -                          | -                          | -                              | ABSENT             | -               | -                        | -                       | -               | 20.0       | -                              | 0.73             | -                     | -              | -                | -               | -                  | -                   | -                         | -                             | -                | 0.0          | 0.62                 | -               | -                   | -           | -            | -                        | - | - |   |
| 10                                        | CUMBARIA CANAL CORRIDOR CHARGE POINT OF SYNGENTA    | 27        | -              | 8.3       | 7.08 | 4392.0       | BDL        | 0.003            | 0.0054                     | 1600                       | 2700                           | 210                | 8.22            | BDL                      | 30.0                    | 130.64          | 8.0        | 0.56                           | 0.0041           | 660.0                 | 48.00          | 108.86           | 82.133          | 238.6              | 2749.0              | 1099.0                    | 9.0                           | 0.0024           | BDL          | 131.2                | 0.8244          | -                   | -           | -            | -                        | - |   |   |
| 11                                        | MAYEM LAKE, BICHOLIM-GOA                            | 30        | -              | 7.7       | 7.06 | 220.70       | BDL        | BDL              | BDL                        | 2200                       | 1300                           | 150                | 7.30            | BDL                      | 18.0                    | 9.50            | 10.0       | 1.70                           | BDL              | 10.0                  | 4.00           | 1.46             | 2.6             | 80.5               | 131.0               | 54.0                      | 8.0                           | BDL              | 0.60         | 69.8                 | BDL             | -                   | -           | -            | -                        | - | - |   |
| 12                                        | RIVER MAPUSA ON CULTIVATION HIGHWAY MAPUSA-PANAR    | 28        | 0.4            | 1.8       | 7.10 | 184.2        | 4.8        | 0.116            | 0.012                      | 7900                       | 1300                           | 220                | 7.00            | BDL                      | 46.0                    | 19.50           | 10         | 1.32                           | BDL              | 46.0                  | 10.2           | 1.90             | 8.40            | 24.8               | 119.0               | 92.0                      | 14.0                          | 0.146            | 0.90         | 13.9                 | BDL             | -                   | -           | -            | -                        | - |   |   |
| 13                                        | RIVER CHAPORA NEAR ALAPORA FORT, FERNEM             | 29        | 0.7            | 8         | 7.13 | 74.22        | BDL        | 0.121            | BDL                        | 7000                       | 1300                           | 220                | 8.28            | BDL                      | 34                      | 5               | 4          | 0.56                           | BDL              | 30                    | 3.6            | 3.0              | 2.4             | 17.2               | 47.0                | 37                        | 10                            | 0.04             | 0.51         | 13.2                 | BDL             | -                   | -           | -            | -                        | - |   |   |
| 14                                        | RIVER BICHOLI M BARAZAN NAGAR, BICHOLIIM            | 30        | 1.2            | 5.2       | 6.90 | 113.30       | BDL        | 0.12             | BDL                        | 21000                      | 11000                          | 1600               | 190.0           | BDL                      | 34.0                    | 16.49           | 12.0       | 0.50                           | BDL              | 30.0                  | 6.40           | 3.40             | 3.80            | 53.1               | 65.0                | 28.0                      | 4.0                           | 0.04             | BDL          | 69.0                 | 0.6             | -                   | -           | -            | -                        | - |   |   |
| 15                                        | ANSENIM LAKE, ANSENIM SALTA BRIDGE                  | 26        | -              | 6.2       | 7.17 | 60.32        | BDL        | 0.390            | BDL                        | 700                        | 490                            | 670                | 1.82            | BDL                      | 27.0                    | 6.35            | 18.0       | 2.90                           | BDL              | 34.0                  | 1.0            | 4.86             | 1.210           | 1.6                | 30.0                | 27.0                      | 5.0                           | 0.00             | 0.43         | 17.1                 | 0.81            | -                   | -           | -            | -                        | - |   |   |
| 16                                        | KARABOLIM LAKE, KARABOLIM                           | 28        | -              | 7.0       | 7.40 | 107.0        | BDL        | 0.0120           | 0.0204                     | 2000                       | 1300                           | 270                | 3.62            | BDL                      | 30.0                    | 22.20           | 6.0        | 1.12                           | 0.02             | 52.0                  | 15.21          | 3.60             | 3.00            | 30.0               | 100.0               | 40.0                      | 2.0                           | 0.00             | 0.40         | 60.5                 | 0.82            | -                   | -           | -            | -                        | - |   |   |
| 17                                        | RIVER MANDOI AT AMOIA BRIDGE, AMOIA-GOA             | 28        | 0.2            | 7.2       | 7.20 | 205.4        | BDL        | 0.002            | BDL                        | 2000                       | 1100                           | 400                | 5.32            | BDL                      | 20.0                    | 47.00           | 6.0        | 0.50                           | 0.02             | 34.0                  | 5.0000         | 6.50             | 4.00            | 121.0              | 41.0                | 4.0                       | 6.0                           | 0.00             | BDL          | 100.0                | 0.0             | -                   | -           | -            | -                        | - |   |   |
| 18                                        | RIVER MANDOI AT BELHEITE, PANAR-GOA                 | 28        | 0.2            | 6.6       | 7.83 | 890.00       | BDL        | BDL              | BDL                        | 600                        | 310                            | 100                | 12.54           | BDL                      | 56.0                    | 15.002          | -          | 0.56                           | 0.00             | 7000.0                | 176.70         | 1072.0           | 1081.0          | 400.4              | 260.00              | 1072.0                    | 25.0                          | 0.201            | 0.500        | 300.0                | 0.02            | -                   | -           | -            | -                        | - |   |   |
| 19                                        | RIVER MANDOI NEAR HOTEL MARBOT, PANAR-GOA           | 29        | 0.5            | 6.2       | 7.01 | 41200.00     | BDL        | BDL              | 0.005                      | 470                        | 330                            | 110                | 11.28           | BDL                      | 100.0                   | 16450.00        | -          | 0.56                           | 0.050            | 7000.0                | 600.00         | 1051.00          | 1763.00         | 674.0              | 29720.0             | 20864.0                   | 22.0                          | 0.115            | 0.89         | 303.3                | 1.1             | -                   | -           | -            | -                        | - |   |   |
| 20                                        | RIVER TRIGOL AT BRACOL, FERNEM-GOA                  | 29        | 1              | 7.3       | 7.60 | 24510.0      | BDL        | BDL              | BDL                        | 170                        | 140                            | 110                | 4.63            | BDL                      | 62.0                    | 9097.10         | -          | 1.12                           | BDL              | 6600.0                | 240.40         | 1458.0           | 1288.90         | 591.4              | 14413.0             | 3095.0                    | 8.0                           | 0.14             | 1.80         | 201.00               | BDL             | -                   | -           | -            | -                        | - |   |   |
| 21                                        | RIVER CHAPORA AT BOLDIM BRIDGE, SIOIM               | 29        | 1.01           | 6.0       | 6.90 | 61.90        | BDL        | BDL              | BDL                        | 3300                       | 2300                           | 330                | 3.62            | BDL                      | 36.0                    | 14870.30        | -          | 0.6                            | BDL              | 5000.0                | 721.80         | 777.60           | 1364.10         | 969.2              | 24101.0             | 14614.0                   | 6.0                           | 0.30             | 1.70         | 329.2                | 0.70            | -                   | -           | -            | -                        | - |   |   |
| 22                                        | RIVER SINGU FERM CANDOLIM NEAR BRIDGE, CANDOLIM-GOA | 29        | 0.50           | 7.4       | 7.70 | 46270.0      | BDL        | BDL              | 0.006                      | 3300                       | 2300                           | 490                | 4.69            | BDL                      | 110.0                   | 16994.70        | -          | 1.12                           | BDL              | 6000.0                | 480.9          | 1166.4           | 1703.50         | 561.7              | 25903.0             | 20204.0                   | 22.0                          | 0.080            | 1.52         | 223.7                | 0.97            | -                   | -           | -            | -                        | - |   |   |
| 23                                        | RIVER SINGU FERM NEAR SERULI TEMPLE, CANDOLIM-GOA   | 29        | 0.60           | 5.5       | 7.60 | 4710.0       | BDL        | BDL              | 0.007                      | 940                        | 700                            | 170                | 7.76            | BDL                      | 110.0                   | 17244.70        | -          | 1.12                           | BDL              | 7200.0                | 480.0          | 1506.6           | 1844.50         | 627.3              | 28745.0             | 21031.0                   | 25.0                          | 0.106            | 1.92         | 242.2                | 0.96            | -                   | -           | -            | -                        | - |   |   |
| 24                                        | BRACOL BEACH, FERNEM-GOA                            | 29        | -              | 6.5       | 7.83 | 51860.0      | BDL        | BDL              | BDL                        | 170                        | 130                            | 70                 | 8.62            | BDL                      | 128.0                   | 17204.60        | -          | 1.68                           | BDL              | 7200.0                | 721.4          | 1312.2           | 1806.40         | 1182.0             | 26380.0             | 12491.0                   | 23.0                          | 0.30             | 1.7          | 466.9                | 0.80            | -                   | -           | -            | -                        | - |   |   |
| 25                                        | MIRAMAR BEACH, PANAR-GOA                            | 28        | -              | 7.2       | 7.99 | 49070.0      | BDL        | BDL              | BDL                        | 150                        | 280                            | 120                | 9.18            | BDL                      | 64.0                    | 17170.0         | -          | 0.56                           | 0.07             | 7000.0                | 480.0          | 1099.4           | 1774.00         | 642.7              | 20990.0             | 17291.0                   | 16.0                          | 0.005            | 0.52         | 291.5                | 0.95            | -                   | -           | -            | -                        | - |   |   |
| 26                                        | CALANGUTE BEACH                                     | 30        | -              | 6.8       | 7.01 | 48350.0      | BDL        | 0.140            | BDL                        | 280                        | 270                            | 170                | 3.18            | BDL                      | 112.0                   | 17400.60        | -          | 0.56                           | BDL              | 7600.0                | 480.0          | 1553.2           | 1758.0          | 640.7              | 28822.0             | 21328.0                   | 100.0                         | BDL              | 1.80         | 235.1                | 0.89            | -                   | -           | -            | -                        | - |   |   |
| 27                                        | MORIM BEACH                                         | 29        | -              | 6.5       | 7.06 | 52080.0      | BDL        | BDL              | 0.005                      | 130                        | 70                             | 110                | 6.38            | BDL                      | 100.0                   | 17784.50        | -          | 1.12                           | BDL              | 7400.0                | 641.30         | 1069.4           | 2084.0          | 1172.0             | 32641.0             | 18097.0                   | 18.0                          | 0.22             | 1.8          | 467.1                | 0.70            | -                   | -           | -            | -                        | - |   |   |
| 28                                        | VAGATOR BEACH                                       | 30        | -              | 6.3       | 7.04 | 51170.0      | BDL        | BDL              | 0.005                      | 130                        | 70                             | 110                | 3.18            | BDL                      | 124.0                   | 17748.4         | -          | 0.56                           | BDL              | 7800.0                | 480.0          | 1603.8           | 2083.00         | 663.0              | 31073.0             | 23020.0                   | 110.0                         | 0.13             | 1.82         | 247.9                | 0.80            | -                   | -           | -            | -                        | - |   |   |
| 29                                        | HARWALI WATER FALL, BICHOLIIM                       | 28        | -              | 7.6       | 7.13 | 80.83        | BDL        | 0.1              | BDL                        | 1900                       | 2650                           | 640                | 3.86            | BDL                      | 120.0                   | 5.38            | 16.0       | 1.68                           | BDL              | 30.0                  | 4.01           | 6.80             | 3.54            | 31.8               | 47.0                | 37.0                      | 5.0                           | 0.220            | 0.27         | 35.9                 | 0.47            | -                   | -           | -            | -                        | - |   |   |
| 30                                        | KALMONA SPRING, SALGÃO                              | 29        | -              | 7.3       | 8.17 | 111.20       | BDL        | 1.00             | BDL                        | 1100                       | 700                            | 680                | BDL             | BDL                      | 32.0                    | 12.00           | 4.0        | 0.56                           | BDL              | 28.0                  | 5.6            | 3.40             | 6               | 47.4               | 74.0                | 56.0                      | 5.0                           | BDL              | 0.20         | 44.7                 | BDL             | -                   | -           | -            | -                        | - |   |   |
| 31                                        | UPSTREAM OF RIVER MANDOI M/S VIDANTA PVT. LTD.      | 29        | -              | 7.4       | 6.39 | 54.08        | BDL        | BDL              | 0.000                      | 1700                       | 1100                           | 790                | 2.72            | BDL                      | 28.0                    | 43.49           | 4.0        | 1.12                           | BDL              | 34.0                  | 3.61           | 4.66             | 4.40            | 83.5               | 144.0               | 104.0                     | 10.0                          | 0.030            | BDL          | 80.7                 | BDL             | -                   | -           | -            | -                        | - |   |   |
| 32                                        | DOWNSTREAM OF RIVER MANDOI M/S VIDANTA PVT. LTD.    | 30        | -              | 6.6       | 7.03 | 278.5        | BDL        | BDL              | 0.006                      | 7000                       | 4000                           | 170                | 2.74            | BDL                      | 30.0                    | 41.49           | 10.0       | 1.70                           | BDL              | 30.0                  | 3.60           | 3.00             | 4.40            | 81.8               | 140.0               | 56.0                      | 6.0                           | 0.04             | 0.4          | 79.5                 | BDL             | -                   | -           | -            | -                        | - |   |   |
| 33                                        | KATINE LAKE, GOA VILHA, THIRVARDI-GOA               | 29        | -              | 6.2       | 6.78 | 104.80       | BDL        | 0.010            | 1700                       | 1100                       | 700                            | 7.58               | BDL             | 26.0                     | 16.40                   | 6.0             | 1.62       | BDL                            | 24.0             | 4.80                  | 2.43           | 3.12             | 29.3            | 59.0               | 33.0                | 14.0                      | 0.04                          | 0.4              | 12.1         | BDL                  | -               | -                   | -           | -            | -                        |   |   |   |
| 34                                        | STINEZCREEK, UPSTREAM, PANAR-GOA                    | 28        | -              | 6.1       | 7.24 | 770.9        | 6.7        | BDL              | 0.010                      | 4800                       | 4600                           | 400                | 16.14           | BDL                      | 176.0                   | 140.00          | 22.0       | 1.1                            | 0.71             | 160.0                 | 41.7           | 13.60            | 32.0            | 77.8               | 407.0               | 386.0                     | 31.0                          | 0.1              | 0.54         | 85.9                 | BDL             | -                   | -           | -            | -                        | - |   |   |
| 35                                        | STINEZCREEK, DOWNSTREAM, PANAR-GOA                  | 29        | -              | 0.5       | 6.96 | 284.7        | 4.8        | BDL              | BDL                        | 2700                       | 1700                           | 200                | 22.2            | BDL                      | 100                     | 41.5            | 20         | 0.50                           | 0.074            | 84                    | 24.1           | 5.8              | 3.8             | 24.1               | 105                 | 120                       | 41                            | 0.235            | 0.37         | 17.5                 | BDL             | -                   | -           | -            | -                        | - |   |   |
| 36                                        | DASHI LAKE, BICHOLI MAPUSA                          | 29        | -              | 8.2       | 6.88 | 111.50       | BDL        | 0.100            | BDL                        | 49                         | 17                             | 8.7                | 1.42            | BDL                      | 84.0                    | 5.49            | 6.0        | 1.7                            | BDL              | 56.0                  | 10.42          | 7.49             | BDL             | 12.6               | 70.0                | 28.0                      | 9.0                           | 0.08             | 0.32         | 4.7                  | 0.3             | -                   | -           | -            | -                        | - |   |   |
| 37                                        | TOYAR LAKE, CHIMBEL                                 | 27        | -              | 6.2       | 7.04 | 54.29        | BDL        | 0.047            | BDL                        | 9200                       | 2200                           | 920                | 1.42            | BDL                      | 20.0                    | 4.50            | 4.0        | 0.50                           | 0.009            | 12.0                  | 3.20           | 0.97             | 3.32            | 89.8               | 33.0                | 13.0                      | 3.0                           | 0.032            | 0.058        | 80.3                 | 0.37            | -                   | -           | -            | -                        | - |   |   |
| 38                                        | FRENSE LAKE, SAULEIM LAKE, PHERNE, SANGOLDA         | 30        | -              | 7.8       | 6.68 | 126.5        | BDL        | 1.016            | 0.005                      | 5400                       | 2400                           | 170                | 1.91            | BDL                      | 32.0                    |                 |            |                                |                  |                       |                |                  |                 |                    |                     |                           |                               |                  |              |                      |                 |                     |             |              |                          |   |   |   |