

Source-related BOD, COD Values & BOD/COD Ratios of Water Bodies in Telangana, Observed in 2024 under the National Water Quality Monitoring Project (NWMP).

Compiled for IHS Laboratory Analysts to

Guess BOD Range for Sample Dilution Purposes Only.

| Sl | Water Body | BOD mg/L | COD mg/L | BOD/COD Ratio | Source |
|--------------------------|---|--|---|-------------------------------|---------------|
| 1 | Godavari River | 1.2 to 3.2 | 11.08 to 35.25 | 0.05 to 0.11 | NWMP, 2025 |
| 2 | Maneru / Manair River | 1.4 to 1.9 | 18.67 to 32.20 | 0.06 to 0.09 | |
| 3 | Manjeera River | 2.4 to 4.8 | 20.17 to 55.92 | 0.09 to 0.12 | |
| 4 | Kinnarsani River | 1.3 to 1.5 | 18.00 to 21.33 | 0.07 to 0.08 | |
| 5 | Krishna River | 1.4 to 3,6 | 18.58 to 38.58 | 0.07 to 0.11 | |
| 6 | Musi River, Bapughat to Pratapsingaram (GHMC Area) | 8.1 to 10.5 | 95.58 to 147.00 | 0.07 to 0.09 | |
| 7 | Musi River, Pillapalli to Wadapalli (Downstream of GHMC Area) | 3.3 to 6.0 | 33.80 to 73.58 | 0.08 to 0.10 | |
| 8 | Lakes and Tanks (146 Lakes & Tanks) | 1.2 To 46.70; Mean: 6.9, Median: 6.5 | 9.0 to 465.8; Mean: 83.4, Median: 80.2 | 0.10 to 0.20; Median: 0.10 | |
| 9 | 185 Lakes in GHMC Area (BOD data available for 162 Lakes) | 1.0 to 191, Mean: 10, Median: 7 | Not Available | Not Available | |
| Wastewater points | | | | | |
| | Sewage Treatment Plants | 7.23 to 35.0; Mean: 14.76, Median: 14.61 | 30.0 to 172.0; Mean: 70.79, Median: 68.96 | 0.14 to 0.27; Median: 0.22 | NWMP, 2025 |

NWMP, 2025. National Water Quality Monitoring Project (NWMP) Data from 2010 to 2024.

WEBSITENWMPDATA2010TO2024(11).xls Available at Telangana Pollution Control Board Website <https://tgpcb.cgg.gov.in/Home/EnvironmentalData>, accessed on 31-12-2025.

TGPCB, 2025. Environmental Data – GHMC Area Lakes (185 Lakes). 185Jan-Dec2024.xls. Available at Telangana Pollution Control Board Website, <https://tgpcb.cgg.gov.in/Home/EnvironmentalData> accessed on 31-12-2025.