

A.P. POLLUTION CONTROL BOARD

NATIONAL WATER MONITORING PROGRAMME (NWMP) DATA FOR THE MONTH OF JANUARY- 2020

| S.No. | Station code | Station name | District/ RO | Programme | Frequency | Monitoring date | Sampling time | Weather | Depth (mtrs.) | Human activities | Floating matter | Colour | Odour | Flow (m ³ /sec) | Water Temp (°C) | DO (mg/L) | pH | Conductivity (µS/cm) | BOD (mg/L) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | Fecal Streptococci | Saprophy index | Diversity index | Turbidity (NTU) | Free-Ale (mg/L) | Total Ale (mg/L) | Chloride (mg/L) | COD (mg/L) | TKN (mg/L) | Ammonia-N (mg/L) | Hardness (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sulphate (mg/L) | Sodium (mg/L) | TDS (mg/L) | TSS (mg/L) | TSS (mg/L) | Phosphate (mg/L) | Boron (mg/L) | Potassium (mg/L) | Fluoride (mg/L) | %Sulphur (mg/L) | SAR (mg/L) | Major polluting sources | Use of water in downstream | | |
|-------|--------------|---|----------------------|-----------|-----------|---|---------------|---------------|------------------|-------------------------------------|-----------------|-----------|-----------|----------------------------|-----------------|-----------|--------|----------------------|------------|------------------|------------------|----------------------------|----------------------------|--------------------|----------------|-----------------|-----------------|-----------------|------------------|-----------------|------------|------------|------------------|-----------------|----------------|------------------|-----------------|---------------|------------|------------|------------|------------------|--------------|------------------|-----------------|-----------------|------------|------------------------------|--------------------------------------|------------------------------|-------------|
| 1 | 25 | Upstream of river Krishna at Prakasam barrage | Krishna / Vijayawada | NWMP | Monthly | 03.01.2020 | 05.30 P.M | Clear | >1 mtr. | Bathing, Cloth washing etc. | --- | Clear | None | - | 23 | 7.2 | 7.76 | 440 | 1.2 | 0.67 | --- | 230 | <3 | BDL | 5.1 | 0.58 | 0.46 | --- | 120 | 52 | <10 | BDL | 0.04 | 128 | 76 | 52 | 32 | 34 | 265 | 254 | 4 | 0.16 | 0.12 | 3.24 | 0.38 | 35.7 | 1.3 | Domestic | Irrigation purpose | | |
| 2 | 1257 | Upstream of Pennar river at Somasila | Nellore / Nellore | NWMP | Monthly | 07.01.2020 | 01.00 P.M | Clear | 3-4 ft | Fishing & Agriculture | --- | Colorless | Odourless | - | 22 | 7.6 | 7.58 | 842 | 1.6 | 0.80 | --- | 210 | <3 | BDL | 5.1 | 0.58 | 0.72 | --- | 140 | 158 | <10 | BDL | 0.08 | 196 | 108 | 88 | 80 | 102 | 520 | 510 | 6 | 0.24 | 0.20 | 4.56 | 0.60 | 52.2 | 3.2 | Domestic & agriculture | Domestic & Agriculture | | |
| 3 | 1782 | Puligadda aqueduct near Avanigadda (V) | Krishna / Vijayawada | NWMP | Monthly | 18.01.2020 | 11.30 A.M | Clear | >1 mtr. | Cattle Washing, Boating | --- | Turbid | None | Medium | 24 | 4.6 | 7.80 | 36500 | 2.2 | 0.70 | --- | 120 | <3 | BDL | 5.1 | 0.58 | 1.64 | --- | 156 | 11350 | 12 | BDL | 0.08 | 5950 | 2200 | 3750 | 2300 | 5710 | 22800 | 22764 | 8 | 0.42 | 0.34 | 336 | 0.78 | 65.9 | 32.0 | Other | Fishing | | |
| 4 | 1787 | River Krishna at Amaravathi | Guntur / Guntur | NWMP | Monthly | 10.01.2020 | 09.00 A.M | Clear | >100 cms. | Others | --- | Clear | None | - | 23 | 7.4 | 7.72 | 550 | 1.0 | 1.30 | --- | 130 | <3 | BDL | 6.2 | 0.66 | 0.64 | --- | 128 | 80 | <10 | BDL | 0.06 | 178 | 94 | 84 | 54 | 42 | 342 | 330 | 4 | 0.18 | 0.24 | 3.56 | 0.84 | 33.2 | 1.4 | Other | Fishing | | |
| 5 | 1786 | Downstream of Krishna river at Vedadri | Krishna / Vijayawada | NWMP | Monthly | 03.01.2020 | 11.30 A.M | Clear | Approx >1 mts | Bathing, cloth washing, boating ect | --- | Clear | None | - | 25 | 7.5 | 7.80 | 514 | 1.2 | 1.46 | --- | 150 | <3 | BDL | 6.2 | 0.58 | 0.50 | --- | 110 | 82 | <10 | BDL | 0.08 | 138 | 76 | 62 | 44 | 52 | 320 | 302 | 4 | 0.25 | 0.20 | 3.14 | 0.68 | 45.1 | 2.0 | Other | Cultivation | | |
| 6 | 1790 | 2nd Causeway, Pulicot lake | Nellore / Nellore | NWMP | Monthly | 07.01.2020 | 11.00 A.M. | Clear | 2-3ft | Fishing | --- | Colorless | Odourless | - | 22 | 4.6 | 7.70 | 21400 | 2.6 | 0.96 | --- | 150 | <3 | BDL | 5.1 | 0.66 | 0.96 | --- | 166 | 6800 | 12 | BDL | 0.04 | 1880 | 690 | 1190 | 1190 | 4100 | 13500 | 13468 | 8 | 0.56 | 0.28 | 180 | 0.54 | 80.7 | 40.9 | Industrial & other | Industrial & Fishing | | |
| 7 | 3051 | Budameri canal near BDG at NH-5, Keesarapalli | Krishna / Vijayawada | NWMP | Monthly | 17.01.2020 | 08.30 A.M | Clear | >1 mts | Fishing and Cloth Washing. | --- | Cloud | None | - | 26 | 5.6 | 6.88 | 1029 | 3.2 | 7.46 | --- | 210 | <3 | BDL | --- | --- | 1.86 | --- | 260 | 124 | 24 | 4.96 | 4.30 | 288 | 162 | 126 | 70 | 86 | 644 | 628 | 10 | 1.43 | 0.62 | 8.2 | 0.82 | 38.4 | 2.2 | Other | Natural drain | | |
| 8 | 3052 | Guntappa drain B/C with Ryves canal at Ramavarapadu, Vijayawada | Krishna / Vijayawada | NWMP | Monthly | 17.01.2020 | 09.30 A.M | Clear | <1 mts | --- | --- | Cloud | None | - | 26 | 5.4 | 7.79 | 1765 | 6.8 | 10.50 | --- | >2400 | 3 | BDL | --- | --- | 3.18 | --- | 406 | 238 | 54 | 6.90 | 6.32 | 418 | 210 | 208 | 128 | 180 | 1140 | 1120 | 22 | 2.80 | 1.94 | 24 | 0.96 | 46.4 | 3.8 | Industrial, Domestic & other | Cultivation | | |
| 9 | 1177 | Downstream of Munneru River at Keesara | Krishna / Vijayawada | NWMP | Monthly | 03.01.2020 | 02.30 P.M | Cloudy | Approx >1 mts | Fishing, Bathing & Cloth washing | --- | Clear | None | - | 25 | 7.3 | 7.95 | 881 | 1.8 | 1.04 | --- | 250 | <3 | BDL | 6.2 | 0.66 | 0.82 | --- | 234 | 118 | <10 | BDL | 0.08 | 302 | 176 | 146 | 90 | 78 | 550 | 540 | 6 | 0.52 | 0.30 | 5.10 | 0.93 | 35.3 | 1.9 | Other | Cultivation | | |
| 10 | 1178 | Downstream of Paleru river at Jaggaiahpet | Krishna/ Vijayawada | NWMP | Monthly | 03.01.2020 | 12.40 P.M | Clear | Approx >1 mts | Others | Water hyacinth | Clear | None | - | 25 | 7.5 | 7.81 | 1147 | 1.8 | 1.68 | --- | 120 | <3 | BDL | 6.2 | 0.58 | 0.84 | --- | 216 | 172 | <10 | BDL | 0.10 | 312 | 192 | 120 | 110 | 108 | 722 | 710 | 6 | 0.52 | 0.36 | 5.20 | 1.08 | 42.3 | 2.7 | Other | Drinking water source to Jaggaiahpet | | |
| 11 | 4385 | Sea Water, Bay of Bengal, Kothapatnam Beach, Prakasam District. | Prakasam/ Ongole | NWMP | Monthly | 07.01.2020 | 01.50 P.M | Clear & Sunny | Below 100m | Fishing & Salt Manufacturing | --- | Colorless | Odourless | - | 30 | 4.5 | 7.56 | 33780 | 2.4 | 1.20 | --- | 240 | <3 | BDL | 5.1 | 0.66 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2140 | --- | 21200 | --- | --- | 0.52 | --- | --- | --- | --- | --- | --- | Other | Fishing & Salt Manufacturing | |
| 12 | 4387 | Krishnapatnam Port | Nellore/ Nellore | NWMP | Monthly | 07.01.2020 | 02.00 P.M | Clear | 2-3 mtr. | Fishing | --- | Colorless | Odourless | - | 23 | 4.6 | 7.98 | 20100 | 2.4 | 0.82 | --- | 210 | <3 | BDL | 5.1 | 0.58 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | Industrial / Other | Industrial and Fishig | | |
| 13 | 4383 | Sea Water Bay of Bengal Fishing Harbor, Nizampatnam | Guntur/ Guntur | NWMP | Monthly | 10.01.2020 | 11.50 A.M | Clear | Approx>10 0 mtr. | Fishing | --- | Clear | None | - | 24 | 4.9 | 7.64 | 21800 | 2.2 | 1.20 | --- | 150 | <3 | BDL | 6.2 | 0.58 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | Other | Cultivation |
| 14 | 4386 | Sea Water Bay of Bengal, Vadarevu Beach, Chirala, Prakasam District | Prakasam/ Ongole | NWMP | Monthly | 07.01.2020 | 05.40 P.M | Clear & Sunny | Below 100m | Fishing | --- | Colorless | Odorless | - | 30 | 5.0 | 7.60 | 33460 | 2.2 | 1.28 | --- | 120 | <3 | BDL | 5.1 | 0.66 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | Other | Fishing | |
| 15 | 4375 | Pavitra Sangamam at Ibrahimpatnam | Krishna/ Vijayawada | NWMP | Monthly | 03.01.2020 | 04.15 P.M | Clear | Approx >1 mts | Bathing, Cloth washing etc. | None | Clear | None | - | 24 | 7.2 | 7.76 | 435 | 1.0 | 1.06 | --- | 230 | <3 | BDL | 5.1 | 0.58 | 0.30 | --- | 92 | 64 | <10 | BDL | 0.04 | 128 | 53 | 75 | 34 | 38 | 258 | 250 | 4 | 0.18 | 0.26 | 2.93 | 0.40 | 38.4 | 1.5 | Domestic | Irrigation purpose | | |
| 16 | 4378 | Sea Water Bay of Bengal Manginapudi Beach, Machilipatnam | Krishna / Vijayawada | NWMP | Monthly | 18.01.2020 | 01.30 P. M | Clear | Approx >1 mts | Bathing | - | None | None | - | 26 | 4.5 | 7.84 | 32100 | 2.4 | 0.96 | --- | 120 | <3 | BDL | 6.2 | 0.58 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | Other | Irrigation purpose | |
| 17 | 4379 | Upper before confluence with sea at Chinnagollapalem | Krishna / Vijayawada | NWMP | Monthly | 30.01.2020 | 04.30 P.M | Clear | Aprox >1mts | - | Water hyacinth | None | None | - | 26 | 4.4 | 7.74 | 28400 | 2.4 | 0.83 | --- | 240 | <3 | BDL | 5.1 | 0.58 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | Other | Irrigation purpose | | |
| 18 | 4381 | River Krishna after confluence with River Musi at Vadapalli (V), Guntur District | Guntur/ Guntur | NWMP | Monthly | 10.01.2020 | 09.00 A.M | Clear | >100 CM. | Fishing | - | Clear | None | - | 21 | 7.5 | 7.90 | 720 | 1.6 | 0.87 | --- | 250 | <3 | BDL | 6.2 | 0.58 | 0.82 | --- | 162 | 86 | <10 | BDL | 0.06 | 184 | 82 | 102 | 58 | 64 | 440 | 430 | 4 | 0.26 | 0.34 | 4.50 | 0.67 | 42.1 | 2.0 | Other | Irrigation purpose | | |
| 19 | 4384 | Infront of M/s Bhageeratha Chemicals & Industries Ltd., Cheruvukommupalem (V), Ongole (M), Prakasam District | Prakasam/ Ongole | NWMP | Monthly | 07.01.2020 | 09.40 A.M | Clear & Sunny | About 500 ft | Industries | --- | Colorless | Odorless | - | 30 | 4.8 | 7.61 | 9882 | 1.4 | 6.20 | --- | 150 | <3 | BDL | --- | --- | 0.74 | --- | 494 | 2200 | 16 | BDL | 0.38 | 2260 | 848 | 1412 | 1428 | 1270 | 6120 | 6092 | 8 | 0.63 | 0.52 | 24 | 1.62 | 54.4 | 11.6 | Industrial | Industrial & Domestic | | |
| 20 | 3079 | D/s of River Krishna after confluence with treated sewage discharging from 10MLD STP located at Ramalingeshwarnagar, Vijayawada | Krishna | NWMP | Monthly | Sample Not Collected due to dry condition | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 4346 | Nagavali River near NH-16 Bridge, Up stream of Srikakulam, before confluence of town Sewage. | Srikakulam | NWMP | Monthly | 02.01.2020 | 04.00 PM | Clear | 50-100 cms | Others | None | Clear | None | - | 24 | 8.2 | 7.20 | 522 | 2.6 | 0.34 | 0.08 | 150 | 9 | NIL | - | - | 10.6 | 0.0 | 132 | 78 | 16.8 | 0.14 | 0.03 | 180 | 120 | 60 | 14.28 | 37.49 | 332 | 312 | 25 | 0.03 | 0.02 | 2.65 | 0.28 | 30.81 | 1.22 | Industrial | Agricultural purposes | | |
| 22 | 4347 | Nagavali River near Water pump house (Kilipalem), Down stream of Srikakulam, after confluence of town sewage | Srikakulam | NWMP | Monthly | 02.01.2020 | 04.35PM | Clear | 50-100 cms | Others | None | Clear | None | - | 25 | 5.5 | 7.12 | 790 | 4.5 | 9.22 | 0.28 | 460 | 15 | NIL | - | - | 1.43 | 0.0 | 240 | 201 | 23.2 | 0.42 | 0.08 | 368 | 240 | 128 | 24.25 | 80.00 | 748 | 732 | 6 | 1.46 | 0.03 | 24.76 | 0.24 | 30.36 | 1.82 | Industrial | Agricultural purposes | | |
| 23 | 4348 | River Vamsadhara at Battili | Srikakulam | NWMP | Monthly | 02.01.2020 | 11.00AM | Clear | 50-100 cms | Others | None | Clear | None | - | 25 | 8.2 | 6.90 | 369 | 2.6 | 0.48 | 0.04 | 150 | 7 | NIL | - | - | 0.79 | 0.0 | 120 | 44 | 18 | 0.14 | 0.02 | 152 | 112 | 40 | 10.73 | 20.2 | 240 | 230 | 6 | 0.05 | 0.01 | 2.48 | 0.23 | 21.11 | 0.71 | Industrial | Agricultural purposes | | |
| 24 | 4349 | Sea Water, Bay of Bengal, after Confluence of marine outfall of M/s.Aurobindo pharma Ltd, M/s.Andhra Organics Ltd and M/s Lantech Pharmaceuticals Ltd, Dhoniapeta(V),Ranashaham, Srikakulam | Srikakulam | NWMP | Monthly | 02.01.2020 | 04.45PM | Clear | >100cms | Others | None | Clear | None | - | 23 | 6.4 | 7.56 | 31800 | 2.4 | 0.35 | 0.06 | 75 | 9 | - | - | - | 8.85 | - | - | - | - | - | - | - | - | - | - | - | 22300 | 22260 | 15 | 0.01 | 0.18 | 298.50 | 0.52 | - | - | - | - | Industrial | Fishing |
| 25 | 2352 | River Vamsadhara at Gara | Srikakulam | NWMP | Monthly | 02.01.2020 | 03.00PM | Cloudy | <50 cms | Others | None | Clear | None | - | 24 | 6.5 | 7.25 | 292 | 3.0 | 0.23 | 0.02 | 210 | 7 | NIL | - | - | 11.70 | 0.0 | 120 | 20 | 12.8 | 0.28 | 0.04 | 120 | 80 | 40 | 3.44 | 12.46 | 188 | 174 | 29 | 0.07 | 0.02 | 2.61 | 0.25 | 18.04 | 0.50 | Industrial | Agricultural purposes | | |
| 26 | 1448 | River Nagavali at Thotapally Regulatory | Vizianagaram | NWMP | Monthly | 08.01.2020 | 03.15PM | Cloudy | 50-100 cms | Others | None | Clear | None | - | 27 | 6.8 | 7.52 | 242 | 2.7 | 0.38 | 0.05 | 240 | 11 | NIL | - | - | 3.38 | 0.0 | 132 | 29 | 18 | 0.14 | 0.03 | 144 | 80 | 64 | 6.66 | 13.66 | 156 | 142 | 7 | 0.03 | 0.01 | 2.17 | 0.25 | 16.85 | 0.50 | Industrial | Agricultural purposes | | |
| 27 | 4351 | River Nagavali Immediate Border between Andhra Pradesh & Orissa States, Near Sivalayam, Kureru (V), Komarada (M) | Srikakulam | NWMP | Monthly | 08.01.2020 | 10.45AM | Clear | <50 cms | Others | None | Clear | None | - | 25 | 8.0 | 7.47</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

