

**A.P. POLLUTION CONTROL BOARD  
NATIONAL WATER MONITORING PROGRAMME (NWMP) DATA FOR THE MONTH OF JULY - 2019**

| 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 <sup>3</sup> /Sec) | Water Temp(°C) | DO (mg/L) | pH   | Conductivity uS/cm | BOD (mg/L) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Fecal Coliform (MPN/100ml) | Total Coliform (MPN/100ml) | Saprobity index | Diversity index | Turbidity (NTU) | Phen-Alk. (mg/L) | Total Alk. (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) | TFS (mg/L) | TSS (mg/L) | Phosphate (mg/L) | Boron (mg/L) | Potassium (mg/L) | Fluoride (mg/L) | %Sodium (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   | 03.07.2019                    | 05.00 P.M.    | Clear         | >1 mtr.       | Bathing, Cloth washing etc.                  | None                                       | None               | None                | -                          | 28             | 7.2       | 7.89 | 690                | 1.0        | 0.72             | <2               | 800                        | ---                        | ---             | 0.52            | ---             | 190              | 74                | <10             | BDL        | 0.04       | 212              | 98              | 114            | 60               | 53              | 430           | 420        | 4          | 0.06       | 0.12             | 4.1          | 0.64             | 34.5            | 0.6            | Domestic               | Irrigation purpose        |                                      |             |
| 2     | 1257         | Upstream of Pennar river at Somasila  | Nellore / Nellore     | NWMP      | Monthly   | 09.07.2019                    | 12.00 P.M.    | Clear         | App 2-3 ft    | ---  | ---  | Colorless          | Odourless           | -                          | 17             | 7.3       | 7.60 | 980                | 1.6        | 0.60             | <2               | 800                        | ---                        | ---             | 1.30            | ---             | 178              | 152               | 12              | BDL        | 0.08       | 242              | 168             | 74             | 88               | 96              | 610           | 602        | 8          | 0.27       | 0.10             | 5.82         | 0.32             | 45.4            | 2.7            | Domestic & agriculture | Irrigation purpose        |                                      |             |
| 3     | 1782         | Puligadda aqueduct near Avaniagadda (V)   | Krishna / Vijayawada  | NWMP      | Monthly   | 12.07.2019                    | 12.15 P.M.    | Clear         | >1 mtr.       | Cattle washing, cloth washing, boathing etc. | ---  | Turbid             | None                | Medium                     | 27             | 5.5       | 7.88 | 37500              | 2.2        | 0.68             | ---              | 4                          | 1100                       | ---             | ---             | 1.82            | ---              | 160               | 10800           | 16         | BDL        | 0.22             | 5900            | 1840           | 4060             | 2380            | 5764          | 23800      | 23764      | 14         | 0.08             | 0.32         | 286              | 0.70            | 66.5           | 32.5                   | Other                     | Irrigation purpose                   |             |
| 4     | 1787         | River Krishna at Amaravathi   | Krishna / Vijayawada  | NWMP      | Monthly   | 09.07.2019                    | 04.00 P.M.    | Clear         | >1 mtr.       | Others                                       | ---  | None               | None                | -                          | 21             | 7.1       | 7.82 | 697                | 1.2        | 0.94             | <2               | 800                        | ---                        | ---             | 0.43            | ---             | 148              | 90                | <10             | BDL        | 0.48       | 208              | 88              | 120            | 82               | 68              | 418           | 410        | 4          | 0.16       | 0.08             | 4.80         | 0.72             | 40.7            | 2              | Other                  | Irrigation purpose        |                                      |             |
| 5     | 1786         | Downstream of Krishna river at Vedadri  | Krishna / Vijayawada  | NWMP      | Monthly   | 03.07.2019                    | 02.00 P.M.    | Clear         | Approx >1 mts | Bathing, cloth washing, boathing etc.        | ---  | Clear              | None                | -                          | 28             | 7.2       | 7.77 | 613                | 1.2        | 0.42             | <2               | 800                        | ---                        | ---             | 0.28            | ---             | 162              | 84                | <10             | BDL        | 0.06       | 174              | 46              | 128            | 66               | 68              | 378           | 370        | 4          | 0.04       | 0.08             | 3.8          | 0.80             | 45              | 2.2            | Other                  | Other                     |                                      |             |
| 6     | 1790         | 2nd Causeway, Pulicot lake  | Nellore / Nellore     | NWMP      | Monthly   | 09.07.2019                    | 11.00 A.M.    | Clear         | 2-3ft         | Fishing                                      | ---  | Colorless          | Odourless           | -                          | 18             | 5         | 7.94 | 40100              | 2.6        | 0.58             | ---              | 4                          | 1600                       | ---             | ---             | 1.80            | ---              | 172               | 11200           | 18         | BDL        | 0.10             | 5400            | 2080           | 3320             | 2900            | 6400          | 25600      | 25562      | 10         | 0.06             | 0.18         | 302              | 0.80            | 70.5           | 37.7                   | Industrial                | Other                                |             |
| 7     | 3051         | Budameru canal near BDG at NH-5, Keesarapalli   | Krishna / Vijayawada  | NWMP      | Monthly   | 12.07.2019                    | 02.30 PM      | Clear         | Approx >1 mts | Fishing and Cloth Washing.                   | ---  | Gray               | Odorous             | -                          | 28             | 5.3       | 7.11 | 2042               | 6          | 2.47             | ---              | 4                          | 1600                       | ---             | ---             | 1.98            | ---              | 546               | 250             | 56         | BDL        | 4.90             | 402             | 210            | 192              | 130             | 208           | 1282       | 1270       | 14         | 2.82             | 0.53         | 70               | 1.18            | 47.8           | 4.5                    | Other                     | Other                                |             |
| 8     | 3052         | Guntatippa drain B/C with Ryves canal at Ramavarapadu, Vijayawada   | Krishna / Vijayawada  | NWMP      | Monthly   | 12.07.2019                    | 03.15 AM      | Clear         | Approx <1 mts | ---  | ---  | Clear              | None                | -                          | 28             | 5.8       | 6.92 | 2170               | 14.2       | 2.86             | ---              | 4                          | >1600                      | ---             | ---             | 0.93            | ---              | 620               | 264             | 88         | BDL        | 6.40             | 410             | 218            | 192              | 104             | 230           | 1380       | 1370       | 18         | 3.04             | 2.26         | 74               | 1.28            | 49.6           | 4.9                    | Industrial & Agricultural | Irrigation purpose                   |             |
| 9     | 1178         | Downstream of Paleru river at Jaggaiahpet   | Krishna/ Vijayawada   | NWMP      | Monthly   | 03.07.2019                    | 02.00 P.M.    | Clear         | Approx >1 mts | Others                                       | ---  | Clear              | None                | -                          | 28             | 6.9       | 7.80 | 820                | 1.6        | 0.94             | ---              | 2                          | 800                        | ---             | ---             | 0.72            | ---              | 176               | 104             | <10        | BDL        | 0.14             | 204             | 110            | 94               | 70              | 80            | 510        | 502        | 4          | 0.08             | 0.24         | 5.3              | 0.44            | 45             | 2.4                    | Industrial & other        | Drinking water source to Jaggaiahpet |             |
| 10    | 4385         | Sea Water, Bay of Bengal. Kothapatnam Beach, Prakasam District.   | Prakasam/ Ongole      | NWMP      | Monthly   | 11.07.2019                    | 02.00 P.M.    | Clear & Sunny | >1 mtr.       | Fishing & Salt Manufactu                     | ---  | Colorless          | Odourless           | -                          | 27             | 5.2       | 7.85 | 46600              | 2.4        | 0.32             | ---              | 4                          | >1600                      | ---             | ---             | ---             | ---              | ---               | ---             | ---        | ---        | ---              | ---             | ---            | ---              | ---             | ---           | ---        | ---        | ---        | ---              | ---          | ---              | ---             | ---            | ---                    | Other                     | Marine                               |             |
| 11    | 4387         | Krishnapatnam Port  | Nellore/ Nellore      | NWMP      | Monthly   | 01.07.2019                    | 3.00 P.M.     | Clear         | 2-3 mtr.      | Fishing                                      | ---  | Colorless          | Odourless           | -                          | 20             | 5.8       | 7.84 | 47500              | 2.2        | 0.70             | ---              | 4                          | >1600                      | ---             | ---             | ---             | ---              | ---               | ---             | ---        | ---        | ---              | ---             | ---            | ---              | ---             | ---           | ---        | ---        | ---        | ---              | ---          | ---              | ---             | ---            | Industrial / Other     | Industrial and Fishig     |                                      |             |
| 12    | 4383         | Sea Water Bay of Bengal Fishing Harbor, Nizampatnam   | Guntur/ Guntur        | NWMP      | Monthly   | 11.07.2019                    | 12.15 PM      | Clear & Sunny | >100 mtr.     | Fishing                                      | ---  | Clear              | None                | -                          | 22             | 5.1       | 7.95 | 46800              | 2.8        | 1.04             | ---              | 4                          | >1600                      | ---             | ---             | ---             | ---              | ---               | ---             | ---        | ---        | ---              | ---             | ---            | ---              | ---             | ---           | ---        | ---        | ---        | ---              | ---          | ---              | ---             | ---            | ---                    | ---                       | Other                                | Cultivation |
| 13    | 4384         | Infront of M/s Bhageeratha Chemicals & Industries Ltd., Cheruvukommupalem (V), Ongole (M), Prakasam District                    | Prakasam/ Ongole      | NWMP      | Monthly   | 11.07.2019                    | 10.10 AM      | Clear & Sunny | About 500 ft  | ---  | ---  | Colorless          | Odorless            | -                          | 26             | 4.4       | 7.93 | 7280               | 0.8        | 6.20             | <2               | 280                        | ---                        | ---             | 0.26            | ---             | 292              | 1680              | 12              | BDL        | 0.06       | 2010             | 482             | 1528           | 910              | 710             | 4510          | 4488       | 6          | 0.08       | 0.06             | 28.0         | 0.93             | 42.8            | 6.9            | Industrial             | Industrial & Domestic     |                                      |             |
| 14    | 4386         | Sea Water Bay of Bengal, Vadarevu Beach, Chirala, Prakasam District   | Prakasam/ Ongole      | NWMP      | Monthly   | 11.07.2019                    | 05.45 P.M.    | Clear & Sunny | Marine        | Fishing                                      | ---  | Colorless          | Odorless            | -                          | 27             | 5.5       | 7.89 | 47000              | 2.8        | 0.36             | ---              | 4                          | >1600                      | ---             | ---             | ---             | ---              | ---               | ---             | ---        | ---        | ---              | ---             | ---            | ---              | ---             | ---           | ---        | ---        | ---        | ---              | ---          | ---              | ---             | ---            | ---                    | Other                     | Marine                               |             |
| 15    | 4375         | Pavitra Sangamam at Ibrahimpatnam   | Krishna/ Vijayawada   | NWMP      | Monthly   | 03.07.2019                    | 05.00 P.M.    | Clear         | <1 Meter      | Bathing, Cloth washing etc.                  | Water hyacinth                             | None               | None                | -                          | 28             | 7.1       | 7.94 | 677                | 0.8        | 0.63             | <2               | 800                        | ---                        | ---             | 0.50            | ---             | 156              | 98                | <10             | BDL        | 0.04       | 220              | 94              | 126            | 72               | 56              | 428           | 420        | 4          | 0.06       | 0.14             | 4.2          | 0.84             | 34.9            | 1.6            | Domestic               | Irrigation purpose        |                                      |             |
| 16    | 4378         | Sea Water Bay of Bengal Manginapudi Beach, Machilipatnam  | Krishna / Vijayawada  | NWMP      | Monthly   | 08.07.2019                    | 11.00 A.M.    | Clear         | <1 mtr        | Bathing, Cloth washing etc.                  | Water hyacinth                             | Colorless          | None                | -                          | 26             | 5.7       | 7.97 | 48100              | 2.8        | 1.82             | ---              | 4                          | >1600                      | ---             | ---             | ---             | ---              | ---               | ---             | ---        | ---        | ---              | ---             | ---            | ---              | ---             | ---           | ---        | ---        | ---        | ---              | ---          | ---              | ---             | ---            | ---                    | Domestic                  | Irrigation purpose                   |             |
| 17    | 4379         | Upputeru before confluence with sea at Chinnagollapalem   | Krishna / Vijayawada  | NWMP      | Monthly   | 30.07.2019                    | 5.30 P.M.     | Clear         | <1 mtr        | Bathing, Cloth washing etc.                  | Water hyacinth                             | Clear              | None                | -                          | 26             | 5.5       | 7.86 | 29200              | 3.2        | 1.30             | ---              | 4                          | >1600                      | ---             | ---             | ---             | ---              | ---               | ---             | ---        | ---        | ---              | ---             | ---            | ---              | ---             | ---           | ---        | ---        | ---        | ---              | ---          | ---              | ---             | ---            | ---                    | Other                     | Irrigation purpose                   |             |
| 18    | 4381         | River Krishna after confluence with River Musi at Vadapalli (V), Guntur District  | Guntur/ Guntur        | NWMP      | Monthly   | 18.07.2019                    | 12.30 A.M.    | Clear         | >1 mtr.       | -  | -  | Clear              | None                | -                          | 23             | 7.4       | 7.74 | 807                | 1.2        | 0.86             | <2               | 280                        | ---                        | ---             | 0.62            | ---             | 174              | 110               | <10             | BDL        | BDL        | 220              | 96              | 124            | 70               | 78              | 490           | 480        | 4          | 0.12       | 0.08             | 8.10         | 0.63             | 42.2            | 2.3            | Other                  | Irrigation purpose        |                                      |             |
| 19    | 4368         | Kolleru Kokkirayalanka (V), Kaikaluru (M), West Godavari District   | West Godavari / Eluru | NWMP      | Monthly   | 11.07.2019                    | 08.45 A.M.    | Clear         | <1 mtr.       | Cattle washing, cloth washing, boathing etc. | Eichhornia crassipes SOLMS plants floating | Light green colour | Not classif y smell | -                          | 26             | 6.2       | 7.98 | 14730              | 5.4        | 3.24             | ---              | 4                          | 1300                       | ---             | ---             | 0.83            | ---              | 736               | 4520            | 28         | BDL        | 0.8              | 2880            | 740            | 2140             | 842             | 1899          | 9420       | 9382       | 32         | 4.25             | 0.86         | 134.00           | 1.03            | 57.3           | 15.3                   | Agriculture & other       | Agriculture, Fishing, Bathing.       |             |
| 20    | 4382         | Borewell water police station, Autonagar, Pedakakani, Guntur District   | Guntur/ Guntur        | NWMP      | Monthly   | 11.07.2019                    | 04.30 P.M.    | Clear         | >1 mtr.       | Others                                       | ---  | Clear              | None                | Medium                     | 21             | 4.2       | 8.10 | 3040               | 0.8        | 5.66             | <2               | 280                        | ---                        | ---             | 0.52            | ---             | 510              | 648               | <10             | BDL        | 0.24       | 490              | 140             | 350            | 220              | 475             | 1850          | 1840       | 6          | 0.03       | 0.24             | 3.59         | 1.79             | 67.4            | 9.3            | Other                  | Domestic                  |                                      |             |
| 21    | 1177         | Downstream of Munneru river at Keesara  | Krishna/ Vijayawada   | NWMP      | Monthly   | No flow, sample not collected |               |               |               |  |  |                    |                     |                            |                |           |      |                    |            |                  |                  |                            |                            |                 |                 |                 |                  |                   |                 |            |            |                  |                 |                |                  |                 |               |            |            |            |                  |              |                  |                 |                |                        |                           |                                      |             |
| 22    | 4370         | Krishna canal of Krishna District entering into Eluru Town  | West Godavari/ Eluru  | NWMP      | Monthly   | No flow, sample not collected |               |               |               |  |  |                    |                     |                            |                |           |      |                    |            |                  |                  |                            |                            |                 |                 |                 |                  |                   |                 |            |            |                  |                 |                |                  |                 |               |            |            |            |                  |              |                  |                 |                |                        |                           |                                      |             |
| 23    | 3079         | D/s of River Krishna after confluence with treated sewage discharging from 10MLD STP located at Ramalingeshwarnagar, Vijayawada | Krishna               | NWMP      | Monthly   | No flow sample nto collected  |               |               |               |  |  |                    |                     |                            |                |           |      |                    |            |                  |                  |                            |                            |                 |                 |                 |                  |                   |                 |            |            |                  |                 |                |                  |                 |               |            |            |            |                  |              |                  |                 |                |                        |                           |                                      |             |



