

**A.P. POLLUTION CONTROL BOARD
NATIONAL WATER MONITORING PROGRAMME (NWMP) DATA FOR THE MONTH OF DECEMBER - 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 (m3/Sec)	Water Temp(OC)	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	10.12.2019	05.30 P.M	Clear	>1 mtr.	Bathing, Cloth washing	---	Clear	None	-	24	7.3	7.69	470	1.0	1.36	---	290	<3	---	---	0.50	---	124	56	<10	BDL	0.04	132	80	52	34	38	290	280	4	0.20	0.18	3.82	0.26	42.1	1.7	Domestic	Irrigation purpose		
2	1257	Upstream of Pennar river at Somasila	Nellore / Nellore	NWMP	Monthly	06.12.2019	01.00 P.M	Clear	3-4 ft	Fishing & Agriculture	---	Colorless	Odourless	-	24	7.5	7.82	846	1.4	2.80	---	230	<3	---	---	0.70	---	142	160	<10	BDL	0.06	192	102	90	84	90	508	496	6	0.22	0.18	4	0.56	51.8	3.1	Domestic & agriculture	Domestic & Agriculture		
3	1782	Puligadda aqueduct near Avanigadda (V)	Krishna / Vijayawada	NWMP	Monthly	05.12.2019	04.30 P.M	Clear	>1 mtr.	Cattle Washing, Boating	---	Turbid	None	Medium	26	4.9	7.78	36200	2.1	0.68	---	130	<3	---	---	1.56	---	162	11200	12	BDL	0.04	5800	2160	3640	2290	5600	23100	23068	8	0.38	0.20	320	0.64	66	31.8	Other	Fishing		
4	1787	River Krishna at Amaravathi	Guntur / Guntur	NWMP	Monthly	06.12.2019	09.00 A.M	Clear	>100 cms.	Others	---	Clear	None	-	21	7.1	7.80	580	0.8	1.70	---	150	<3	---	---	0.52	---	132	84	<10	BDL	0.04	186	102	84	58	50	360	348	4	0.10	0.22	3.90	0.72	36.1	1.6	Other	Fishing		
5	1786	Downstream of Krishna river at Vedadri	Krishna / Vijayawada	NWMP	Monthly	10.12.2019	11.00 A.M	Clear	Approx >1 mts	Bathing, cloth washing, boating ect	---	Clear	None	-	26	7.4	7.91	482	1.0	1.62	---	120	<3	---	---	0.42	---	102	72	<10	BDL	0.04	136	80	56	42	44	302	292	6	0.24	0.18	3.11	0.48	40	1.6	Other	Cultivation		
6	1790	2nd Causeway, Pulicot lake	Nellore / Nellore	NWMP	Monthly	06.12.2019	11.00 A.M.	Clear	2-3ft	Fishing	---	Colorless	Odourless	-	22	4.9	7.64	22400	2.4	0.78	---	210	<3	---	---	0.90	---	174	7100	12	BDL	0.04	1974	560	1414	1200	4280	14120	14092	8	0.46	0.30	176	0.42	80.8	41.7	Industrial & other	Industrial & Fishing		
7	3051	Budameru canal near BDG at NH-5, Keesarapalli	Krishna / Vijayawada	NWMP	Monthly	11.12.2019	11.30 A.M.	Clear	>1 mts	Fishing and Cloth Washing.	---	Cloud	None	-	26	5.8	7.42	987	3	5.20	---	240	<3	---	---	1.74	---	252	110	20	4.90	4.82	280	156	124	68	74	620	604	12	1.50	0.58	7.1	1.18	35.6	1.9	Other	Natural drain		
8	3052	Guntatippa drain B/C with Ryves canal at Ramavarapadu, Vijayawada	Krishna / Vijayawada	NWMP	Monthly	11.12.2019	12.30 P.M.	Clear	<1 mts	---	---	Cloud	None	-	26	5.2	7.40	1673	7.2	8.40	---	>2400	3	---	---	2.14	---	398	230	60	5.82	5.68	402	230	172	130	176	1054	1030	20	2.50	1.88	23	1.40	46.9	3.8	Industrial, Domestic & others	Cultivation		
9	1177	Downstream of Munneru River at Keesara	Krishna / Vijayawada	NWMP	Monthly	10.12.2019	03.00 P.M	Cloudy	Approx >1 mts	Fishing, Bathing & Cloth washing	---	Clear	None	-	26	7.2	8.01	854	1.6	1.70	---	380	3	---	---	0.76	---	230	114	<10	BDL	0.04	292	174	118	86	72	540	524	4	0.40	0.26	4.52	0.76	34.3	1.8	Other	Cultivation		
10	1178	Downstream of Paleru river at Jaggaiahpet	Krishna/ Vijayawada	NWMP	Monthly	10.12.2019	11.40 A.M	Clear	Approx >1 mts	Others	Water hyacinth	Clear	None	-	25	7.6	7.99	840	1.2	1.64	---	150	<3	---	---	0.76	---	198	106	<10	BDL	0.06	292	170	122	88	74	510	496	4	0.46	0.30	4.16	0.72	35	1.9	Other	Drinking water source to Jaggaiahpet		
11	4385	Sea Water, Bay of Bengal. Kothapatnam Beach, Prakasam District,	Prakasam/ Ongole	NWMP	Monthly	09.12.2019	01.40 P.M	Clear & Sunny	Below 100m	Fishing & Salt Manufacturing	---	Colorless	Odourless	-	30	4.9	8.21	36350	2.6	0.82	---	210	<3	---	---	---	---	---	---	---	---	---	---	---	---	---	2260	---	24700	---	---	0.46	---	---	---	---	---	Other	Fishing & Salt Manufacturing	
12	4387	Krishnapatnam Port	Nellore/ Nellore	NWMP	Monthly	04.12.2019	11.00 A.M	Clear	2-3 mtr.	Fishing	---	Colorless	Odourless	-	23	4.4	7.84	22400	2.2	0.76	---	240	<3	---	---	---	---	---	---	---	---	---	---	---	---	---	1840	---	14300	---	---	0.66	---	---	---	---	---	Industrial / Other	Industrial and Fishig	
13	4383	Sea Water Bay of Bengal Fishing Harbor, Nizampatnam	Guntur/ Guntur	NWMP	Monthly	06.12.2019	11.50 A.M	Clear	Approx>100 mtr.	Fishing	---	Clear	None	-	22	5.2	7.53	22600	2.2	1.32	---	120	<3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2040	---	14500	---	---	1.30	---	---	---	---	---	Other	Cultivation
14	4386	Sea Water Bay of Bengal, Vadarevu Beach, Chirala, Prakasam District	Prakasam/ Ongole	NWMP	Monthly	09.12.2019	05.40 P.M	Clear & Sunny	Below 100m	Fishing	---	Colorless	Odorless	-	30	5.1	8.10	35750	2.4	0.93	---	150	<3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2100	---	23950	---	---	0.52	---	---	---	---	---	Other	Fishing
15	4375	Pavitra Sangamam at Ibrahimpatnam	Krishna/ Vijayawada	NWMP	Monthly	10.12.2019	03.40 P.M.	Clear	Approx >1 mts	Bathing, Cloth washing etc.	None	Clear	None	-	24	7.4	7.69	490	0.8	1.20	---	240	<3	---	---	0.46	---	104	70	<10	BDL	0.04	132	62	58	40	46	300	292	4	0.20	0.34	3.48	0.70	42.1	1.7	Domestic	Irrigation purpose		
16	4378	Sea Water Bay of Bengal Manginapudi Beach, Machilipatnam	Krishna / Vijayawada	NWMP	Monthly	16.12.2019	03.30 P.M	Clear	Approx >1 mts	Bathing	-	None	None	-	25	4.8	7.99	35870	2.2	1.04	---	150	<3	---	---	---	---	---	---	---	---	---	---	---	---	---	2420	-	23000	-	-	0.52	-	-	-	-	-	Other	Irrigation purpose	
17	4379	Upputeru before confluence with sea at Chinnagollapalem	Krishna / Vijayawada	NWMP	Monthly	16.12.2019	04.00 P.M.	Clear	Aprox >1mts	-	Water hyacinth	None	None	-	25	4.6	7.82	29800	2.2	0.98	---	210	<3	---	---	---	---	---	---	---	---	---	---	---	---	---	2180	-	19300	-	-	0.72	-	-	-	-	-	Other	Irrigation purpose	
18	4381	River Krishna after confluence with River Musi at Vadapalli (V), Guntur District	Guntur/ Guntur	NWMP	Monthly	11.12.2019	01.15 P.M	Clear	>100 CM.	Fishing	-	Clear	None	-	22	7.3	7.86	756	1.4	1.54	---	210	<3	---	---	0.74	---	172	90	<10	BDL	0.06	196	110	86	64	68	470	460	4	0.22	0.31	4.20	0.64	42.2	2.1	Other	Irrigation purpose		
19	4384	Infront of M/s Bhageeratha Chemicals & Industries Ltd., Cheruvukommupalem (V), Ongole (M), Prakasam District	Prakasam/ Ongole	NWMP	Monthly	09.12.2019	9.45 A.M	Clear & Sunny	About 500 ft	Industries	---	Colorless	Odorless	-	29	4.6	8.04	9422	1.2	9.20	---	120	<3	---	---	0.68	---	480	2190	16	BDL	0.24	2240	810	1430	1410	1260	5940	5908	10	0.56	0.48	22.0	2.10	54.5	11.5	Industrial	Industrial & Domestic		
20	3079	D/s of River Krishna after confluence with treated sewage discharging from 10MLD STP located at Ramalingeshwamagar, Vijayawada	Krishna	NWMP	Monthly	Sample was not collected due to dry condition for the month of December, 2019.																																												
21	4346	Nagavali River near NH-16 Bridge, Up stream of Srikakulam, before confluence of town Sewage .	Srikakulam	NWMP	Monthly	05.12.2019	04.30 PM	Clear	50-100 cms	Others	None	Clear	None	-	24	7.3	8.34	348	1.6	0.65	0.01	11	120	-	-	1.93	0.0	160	15	7.6	0.14	0.02	164	84	80	7.84	11.87	224	216	8	0.29	0.02	2.48	0.37	13.39	0.40	Industrial	Agricultural purposes		
22	4347	Nagavali River near Water pump house (Killipalem), Down stream of Srikakulam, after confluence of town sewage	Srikakulam	NWMP	Monthly	05.12.2019	04.45 PM	Clear	50-100 cms	Others	None	Clear	None	-	25	6.3	8.06	988	2.1	8.64	0.02	20	150	-	-	2.14	0.0	300	147	19.6	0.28	0.05	352	168	184	19.89	78.09	680	668	11	1.19	0.05	18.74	0.51	31.14	1.81	Industrial	Agricultural purposes		
23	4348	River Vamsadhara at Battili	Srikakulam	NWMP	Monthly	05.12.2019	03.00 PM	Clear	50-100 cms	Others	None	Clear	None	-	29	8.0	8.35	329	1.5	0.53	0.02	7	93	-	-	1.81	0.0	140	24	7.6	0.14	0.01	156	92	64	5.92	11.68	216	208	5	0.09	0.02	2.66	0.55	13.76	0.41	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), Ranasthalam, Srikakulam	Srikakulam	NWMP	Monthly	06.12.2019	09.00 AM	Clear	>10ms	Others	None	Clear	None	-	26	7.0	8.33	36400	2.7	0.51	0.01	9	93	-	-	1.27	-	-	-	0.14	0.03	-	-	-	24780	24752	4	0.11	0.21	364.60	1.20	-	-	Industrial	Fishing			
25	2352	River Vamsadhara at Gara	Srikakulam	NWMP	Monthly	05.12.2019	08.00 AM	Cloudy	<50 cms	Others	None	Clear	None	-	29	8.0	8.22	274	2.0	0.47	0.04	11	120	-	-	2.13	0.0	120	24	8.8	0.14	0.04	116	60	56	2.1	14.5	184	176	8	0.13	0.02	3.15	0.25	20.83	0.59	Industrial	Agricultural purposes
26	1448	River Nagavali at Thotapally Regulatory	Vizianagaram	NWMP	Monthly	09.12.2019	02.30 PM	Cloudy	50-100 cms	Others	None	Clear	None	-	28	6.2	8.32	268	1.7	0.45	0.01	9	110	-	-	1.86	0.0	104	24	8.4	0.28	0.07	120	84	36	11.12	11.03	182	176	4	0.16	0.02	2.98	0.56	16.26	0.44	Industrial	Agricultural purposes
27	4351	River Nagavali Immediate Border between Andhra Pradesh & Orissa States, Near Sivalayam, Kureru (V), Komarada (M)	Srikakulam	NWMP	Monthly	09.12.2019	10.40 AM	Clear	<50 cms	Others	None	Clear	None	-	26	8.2	8.24	360	2.4	0.69	0.04	15	150	-	-	0.48	0.0	152	24	8.0	0.28	0.03	172	92	80	10.5	12.43	232	224	3	0.27	0.01	2.14	0.28	13.41	0.41	Industrial	Agricultural purposes
28	4352	Sea water, Bay of Bengal, after confluence of Marine outfall of M/s Mylan & M/s SMS Pharmaceuticals Ltd., Thammayyapalem, Poosapatirega, Vizianagaram District.	Vizianagaram	NWMP	Monthly	09.12.2019	10.15 AM	Clear	>100 cms	Others	None	Clear	Fishy	-	28	7.2	8.15	36000	6.0	0.46	0.24	7	93	-	-	0.72	-	-	-	0.14	0.03	-	-	-	-	-	24840	24820	3	0.10	0.24	403.90	1.24	-	-	Industrial	Fishing	
29	2353	Kondakarla-Ava Lake, Kondakarla	Visakhapatnam	NWMP	Monthly	07.12.2019	12.00 PM	Clear	50-100 cms	Fishing	None	Clear	None	-	28	5	8.52	714	2.3	1.58	0.04	21	240	-	-	4.14	0.0	184	98	20.8	0.56	0.11	260	156	104	37.84	46.21	464	452	13	0.23	0.13	8.92	0.74	27.05	1.25	Domestic	Washing purposes
30	4356	Eleru Canal, Near Pharma City, Visakhapatnam	Visakhapatnam	NWMP	Monthly	04.12.2019	12.20 PM	Clear	50-100 cms	Fishing	None	Clear	None	-	26	7.5	8.09	398	1.3	0.82	0.04	11	120	-	-	3.86	0.0	112	54	12.4	0.42	0.05	136	84	52	13.81	28.35	258	246	9	0.09	0.03	5.58	0.58	30.14	1.06	Industrial	Domestic
31	4357	Rushikonda Beach, Rushikonda, Visakhapatnam	Visakhapatnam	NWMP	Monthly	11.12.2019	02.30 PM	Clear	>10ms	Fishing	None	Clear	None	-	25	6.1	8.41	36900	1.6	0.29	0.04	7	93	-	-	2.41	-	-	-	0.14	0.01	-	-	-	-	-	25092	25070	6	0.10	0.18	388.3	1.32	-	-	Industrial, domestic	Bathing & Wasing	
32	1219	D/s of River Godavari at Rajahmundry (Dowlaiswaram)	East Godavari / Kakinada	NWMP	Monthly	12.12.2019	09.15 AM	Clear	50-100 cms	Cattle wading	Moderate	Clear	None	-	27	7.2	8.39	262	2.4	0.41	0.01	11	150	-	-	2.76	0.0	104	20	17.6	0.28	0.04	120	96	24	8.35	7.93	174	166	6	0.16	0.02	1.87	0.68	12.38	0.32	Industrial, domestic	Bathing & Wasing
33	2354	Samalkota Canal Near Samalkota, Kakinada, East Godavari District.	East Godavari / Kakinada	NWMP	Monthly	12.12.2019	07.00 AM	Clear	50-100 cms	Cattle wading	Moderate	Clear	None	-	25	4.2	8.65	339	3	0.66	0.01	15	150	-	-	1.27	0.0	108	44	9.6	0.28	0.06	144	84	60	11.67	17.28	226	218	4	0.23	0.02	2.94	0.41	20.3	0.63	Industrial, domestic	Bathing & Wasing
34	2355	Teki drain at Tallarevu, East Godavari District	East Godavari / Kakinada	NWMP	Monthly	05.12.2019	09.30 AM	Clear	50-100 cms	Fishing	Moderate	Clear	None	-	26	1.6	8.27	5876	5.8	3.38	0.02	28	1100	-	-	2.91	0.0	240	1512	24.8	0.84	0.25	828	352	476	198.55	799.6	3532	3510	8	0.28	0.18	25.72	0.36	66.92	12.1	Industrial, domestic	Agricultural purposes
35	2370	River Godavari at Rajahmundry U/s of Nalla channel	East Godavari / Kakinada	NWMP	Monthly	12.12.2019	08.30 AM	Clear	50-100 cms	Cattle wading	None	Clear	None	-	26	7.8	8.61	232	2	0.59	0.02	9	120	-	-	0.92	0.0	92	20	8.8	0.14	0.02	104	64	40	7.86	9.22	154	146	4	0.16	0.01	2.46	0.76	15.78	0.39	Industrial, domestic	Drinking, washing, irrigation, etc.
36	2371	River Godavari at Rajahmundry D/s of Nalla channel	East Godavari / Kakinada	NWMP	Monthly	12.12.2019	08.45 AM	Clear	50-100 cms	Cattle wading	None	Clear	None	-	26	7.7	8.45	243	2.2	0.87	0.02	15	150	-	-	1.82	0.0	100	20	24.8	0.28	0.07	108	84	24	6.58	10.65	168	160	6	0.13	0.02	2.54	0.52	17.27	0.45	Industrial, domestic	Drinking, washing, irrigation, etc.
37	3053	Tullabagh drain at Vemulavada, East Godavari District	East Godavari / Kakinada	NWMP	Monthly	12.12.2019	09.00 AM	Clear	>10ms	None	Moderate	Clear	None	-	26	3.2	8.42	5810	4.6	1.55	0.02	15	240	-	-	1.24	0.0	248	1507	20.8	0.56	0.12	880	472	408	230.9	726.50	3480	3460	8	0.37	0.14	19.34	0.24	63.62	10.66	Industrial, domestic	Agricultural purposes
38	3067	U/s River Godavari Dowlaiswaram after confluence of STP Outlet	East Godavari / Kakinada	NWMP	Monthly	12.12.2019	08.45 AM	Clear	>10m	Others	None	Clear	None	-	26	7.0	8.43	245	2.4	0.75	0.03	210	20	-	-	0.75	0.0	80	29	12.8	0.28	0.04	100	72	28	8.39	12.24	162	154	4	0.26	0.01	2.11	0.59	20.61	0.53	Industrial, domestic	Agricultural purposes
39	4358	River Gowthami (Godavari) Govalanka, Injaram (V), Near GMC Balayogi Bridge, Tallarevu (M), East Godavari District	East Godavari / Kakinada	NWMP	Monthly	05.12.2019	8.30 AM	Clear	>10m	Fishing	Moderate	Clear	None	-	26	6.8	8.40	1877	2.4	0.70	0.01	20	210	-	-	3.18	0.0	140	519	9.6	0.42	0.08	288	160	128	77.58	256.8	1256	1238	12	0.15	0.08	10.84	0.40	64.95	6.59	Industrial, Agricultural	Irrigation & Aqua culture purposes
40	4359	Water sample collected at River Godavari After Confluence with Sabari Tributary (Kunavaram) at Weddigudem (V), V.R.Puram (M), East Godavari District	East Godavari / Kakinada	NWMP	Monthly	07.12.2019	11.30 AM	Cloudy	Flood	Cattle wading	Moderate	Clear	None	-	29	7.6	8.30	118	1.4	0.53	0.01	7	75	-	-	0.92	0.0	44	10	8.8	0.0	0.01	52	36	16	5.86	4.75	80	74	3	0.21	0.0	1.36	0.29	16.15	0.29	Agricultural & Other	Not applicable
41	4361	Sea water Bay of Bengal, Uppada Beach Road, Kakinada, East Godavari District	East Godavari / Kakinada	NWMP	Monthly	03.12.2019	04.00 PM	Cloudy	>10m	Fishing & Others	Moderate	Clear	Others	-	28	6.6	8.27	35900	2.0	0.62	0.01	7	63	-	-	1.06	-	-	-	0.14	0.04	-	-	-	-	-	25420	25402	5	0.11	0.17	332.50	1.21	-	-	Agricultural & Other	Not applicable	
42	4362	Sea water Bay of Bengal, Near Deep water port, Kakinada, East Godavari District (1Km away from jetty)	East Godavari / Kakinada	NWMP	Monthly	03.12.2019	03.00 PM	Cloudy	>10m	Others	Moderate	Clear	Others	-	28	5.8	8.13	30200	2.4	2.7	0.02	150	11	-	-	0.92	-	-	-	0.28	0.05	-	-	-	-	-	20542	20530	4	0.27	0.15	277	1.31	-	-	Agricultural & Other	Not applicable	
43	4363	Sea water Bay of Bengal, Near Kumbhabhishekam Temple, Kakinada, East Godavari District	East Godavari / Kakinada	NWMP	Monthly	03.12.2019	03.30 PM	Cloudy	>10m	Fishing & Others	Moderate	Clear	Others	-	28	3.8	8.10	14310	4.2	2.6	0.01	9	210	-	-	1.26	-	-	-	0.14	0.01	-	-	-	-	9592	9570	6	0.42	0.08	131.30	0.81	-	-	Agricultural & Other	Not applicable		
44	14	River Godavari at Polavaram	West Godavari / Eluru	NWMP	Monthly	06.12.2019	12.10 PM	Clear	50-100 cms	Washings	None	Clear	None	-	26	8.0	8.27	248	1.2	0.46	0.02	11	120	-	-	1.14	0.0	100	20	8.8	0.14	0.02	112	60	52	9.28	10.81	162	154	4	0.22	0.01	1.14	0.29	7.19	0.44	None	Drinking, washing, etc.

