

Godavari River Result-2012
Godavari at Gangapur Dam (1095)

[illegible]

Godavari River at Shomeshwer Temple (2177)

Chikhli Nalla Meets Godavari River (2178)

Chikhli Nalla Meets Godavari River (21/7/8)												
Sr.No.	Parameter	Limits	04.01.12	06.02.12	06.03.12	03.04.12	04.05.12	03.06.12	03.07.12	06.08.12	04.09.12	04.10.12
I Core Parameter												
1	pH	6.5 to 9.0	7.35	7.1	7.1	7.21	6.89	Dry	7.06	6.93	7.96	7.09
2	Conductivity $\mu\text{mhos/cm}$.		1100	938	950	908	1400		1.081	1186	2113	1340
3	DO (mg/L.)	4.0 mg/l.	1.5	5.1	Nil	6.1	3.2		2.9	4.5	4.2	3.2
	B.O.D. mg/l	5.0 mg/l. (Monthly average of atleast 10 Samples)	40	8	27	5	14		20	12	8	7
4												
5	Nitrate- N mg/l	45 mg/l.	BDL	0.112	0.2	11.4	BDL	Dry	6.055	24.65	10.44	41.15
6	Ammonia- N mg/l	...	21.2	4.9	29.68	14.41	26.44		11.914	3.374	4.425	4.253
	Total Coliform (MPN) / 100 ml.	Not greater than 5000	900	240	180	500	240		240	280	301	280
7												
8	Faecal Coli form / 100 ml		240	50	60	1500	50		60	70	80	80
II General Parameter												
9	COD (mg/L.)	...	80	68	80	24	52	Dry	64	40	44	24
10	T.K.N. (mg/L.)		...	NA	NA	...	...		...	...	...	1.86
11	T.D.S. (mg/L)	...	316	498	514	490	290		821	421	1668	916
12	Total Fixed Solids (mg/L)	1500 mg/l.	134	218	210	214	89		96	121	230	110
13	Total Suspended Solids (mg/L)	...	48	38	44	51	39		68	21	27	16
14	Turbidity (NTU)	...	4	4	1	3	1		4	2	2	3
15	Hardness (mg/L.) By Cal. method	500 mg/l.	267	200	274	257	261		352.77	428.04	534	457.2
16	Fluoride (mg/L.)- By I.C method	1.5 mg/l.	0.547	1.082	4.303	0.491	0.708		0.352	0.392	0.329	0.31
17	Boron (mg/L)	...	BDL	1.2	2.4	BDL	0.502		0.408	BDL	BDL	BDL
18	Sulphate (mg/L.)- By I.C method	400 mg/l.	33	28.46	21.75	32	59.52		45.35	70.83	82	73.03
19	Chloride (mg/L.)- By I.C method	600 mg/l.	175	128	153.81	223	208.1		224	308	649.1	300
20	T-Alkalinity (mg/L)		242	216	281	146	144		172	186	144	176
21	P-Alkalinity (mg/L)		Nil	2.9	Nil	Nil	BDL		Nil	Nil	8	BDL
22	Phosphate (mg/L.) By I.C method		1.889	2.699	5.788	0.05	BDL		0.055	0.243	BDL	0.698
23	% Sodium											30.27
24	Sodium (mg/L.)- By I.C method		65.6	58.01	64.64	53.31	71.59		48.4	76.39	238.3	92.75
25	Potassium (mg/L.) By I.C method		12.35	8	12.78	6.694	12.34		9.438	7.82	6.868	6.202
26	Calcium (mg/L.) By I.C method		70.57	71.2	72.84	67.26	66.58		94.52	114.4	139.8	118.3
27	Magnesium (mg/L.) By I.C method		22.64	5.75	12.45	21.65	23.07		28.35	34.57	44.89	39.28
III Trace Metal												
28	Nickel ($\mu\text{g/L}$)		...	...	...	...	...	...	...	...	...	0.371
29	Chromium ($\mu\text{g/L}$)	0.05 mg/l.	...	...	...	...	...	...	...	...	...	0.048
30	Cadmium ($\mu\text{g/L}$)	0.01mg/l.	...	...	...	...	...	...	...	...	...	0.005
31	Zinc ($\mu\text{g/L}$)	5.0 mg/l.	...	...	...	...	...	...	...	...	...	0.492
32	Copper ($\mu\text{g/L}$)	1.5 mg/l.	...	...	...	...	...	...	...	...	...	0.006
33	Lead ($\mu\text{g/L}$)	0.1 mg/l.	...	...	...	...	...	...	...	...	...	BDL
34	Iron ($\mu\text{g/L}$)	5.0 mg/l.	...	...	...	...	...	...	...	...	...	BDL

Godavari River, Hanuman Ghat (2179)												
Sr.No	Parameter	Limits	04.01.12	06.02.12	06.03.12	03.04.12	04.05.12	03.06.12	03.07.12	06.08.12	04.09.12	04.10.12
I Core Parameter												
1	pH	6.5 to 9.0	7.2	7.14	7.5	7.11	7.1	6.51	7.35	7.04	7.75	7.8
2	Conductivity $\mu\text{mhos/cm}$.		419	191	262	690	381	441	351.8	394	480.6	443.9
3	DO (mg/L)	4.0 mg/l.	2.4	5.5	6.2	6.2	5.9	6.2	5.9	3	4.8	6.4
4	B.O.D. mg/l	5.0 mg/l. (Monthly average of atleast 10 Samples)	18	6	4	4.5	6.2	5	4	12	6	6
5	Nitrate- N mg/l	45 mg/l.	0.451	3.359	1.119	3.52	0.238	0.016	0.106	9.25	18.3	14.27
6	Ammonia- N mg/l	...	0.017	1.4	BDL	0.195	1.2	1.48	0.095	0.991	0.534	0.164
7	Total Coliform (MPN) / 100 ml.	Not greater than 5000	240	120	70	500	60	180	60	110	90	110
8	Faecal Coli form / 100 ml		60	27	22	170	22	60	21	40	30	33
II General Parameter												
9	COD (mg/L)	...	32	40	40	36	32	40	20	48	32	20
10	T.K.N. (mg/L)		...	NA	NA	...	...	...	...	...	...	2.79
11	T.D.S. (mg/L)	...	290	118	148	368	217	260	214	366	372	310
12	Total Fixed Solids (mg/L)	1500 mg/l.	98	96	91	190	140	109	81	98	104	89
13	Total Suspended Solids (mg/L)	...	54	42	29	47	30	36	43	11	20	19
14	Turbidity (NTU)	...	1	1	1	1	1	1	4	1	2	2
15	Hardness (mg/L) By Cal. method	500 mg/l.	128.5	102	104.4	175.4	158.92	93.2	142.41	133.52	217.4	199.1
16	Fluoride (mg/L)- By I.C method	1.5 mg/l.	0.122	0.121	0.104	0.159	0.142	0.135	0.15	0.426	0.163	0.183
17	Boron (mg/L)	...	BDL	0.08	0.122	BDL	BDL	BDL	BDL	BDL	BDL	BDL
18	Sulphate (mg/L)- By I.C method	400 mg/l.	10.2	6.34	6.512	26	11.35	6.74	8.57	19.9	30.48	30.58
19	Chloride (mg/L)- By I.C method	600 mg/l.	15	9.568	7.34	24.6	31.05	9.36	19.48	22.44	30.3	26.24
20	T-Alkalinity (mg/L)		124	88	99	173	182	140	166	106	170	162
21	P-Alkalinity (mg/L)		NIL	NIL	NIL	NIL	BDL	NIL	NIL	NIL	6	BDL
22	Phosphate (mg/L) By I.C method		0.639	0.275	0.035	0.341	0.558	0.062	0.174	1.091	0.718	0.332
23	% Sodium											14.89
24	Sodium (mg/L)- By I.C method		13.52	6.84	8.18	24.97	20.48	8.3	17.56	14.39	18.08	16.32
25	Potassium (mg/L) By I.C method		2.36	1	1.48	2.091	3.586	1.081	2.172	4.495	3.632	3.08
26	Calcium (mg/L) By I.C method		33.43	30.4	26.18	44.54	40.48	23.6	36.68	36.58	56.82	52.07
27	Magnesium (mg/L) By I.C method		10.93	6.33	9.48	15.84	14.04	8.33	12.34	10.24	18.33	16.77
III Trace Metal												
28	Nickel ($\mu\text{g/L}$)		...	...	...	...	...	...	...	...	...	BDL
29	Chromium ($\mu\text{g/L}$)	0.05 mg/l.	...	...	...	...	...	...	...	...	...	BDL
30	Cadmium ($\mu\text{g/L}$)	0.01mg/l.	...	...	...	...	...	...	...	...	...	BDL
31	Zinc ($\mu\text{g/L}$)	5.0 mg/l.	...	...	...	...	...	...	...	...	...	0.081
32	Copper ($\mu\text{g/L}$)	1.5 mg/l.	...	...	...	...	...	...	...	...	...	BDL
33	Lead ($\mu\text{g/L}$)	0.1 mg/l.	...	...	...	...	...	...	...	...	...	BDL
34	Iron ($\mu\text{g/L}$)	5.0 mg/l.	...	...	...	...	...	...	...	...	...	BDL

Godavari River at Ramkund (1096)

Goda River at Nashik D/S . (1211)												
Sr.No.	Parameter	Limits	04.01.12	06.02.12	06.03.12	03.04.12	04.05.12	03.06.12	03.07.12	06.08.12	04.09.12	04.10.12
I Core Parameter												
1	pH	6.5 to 9.0	7.17	7.3	7.58	7.11	7.01	7.58	7.16	6.89	7.59	7.63
2	Conductivity µmhos/cm.		311	201	248	399	410	275	398.1	331	519	495.1
3	DO (mg/L.)	4.0 mg/l.	4.4	5.6	6.2	6.3	6.1	6.4	5.4	5	4.7	4.5
4	B.O.D. mg/l	5.0 mg/l. (Monthly average of atleast 10 Samples)	9	5	4	4.5	4.5	4.5	2.01	6	8	6
5	Nitrate- N mg/l	45 mg/l.	0.0941	2.986	1.055	15.3	0.125	BDL	0.078	10.76	18.08	14.59
6	Ammonia- N mg/l	...	BDL	2.94	0.115	0.037	0.09	0.18	0.549	0.963	0.884	0.115
7	Total Coliform (MPN) / 100 ml.	Not greater than 5000	350	50	60	500	27	70	50	50	60	50
8	Faecal Coli form / 100 ml		70	21	20	140	13	21	22	21	22	17
II General Parameter												
9	COD (mg/L.)	...	36	48	40	36	28	44	16	32	32	32
10	T.K.N. (mg/L.)		...	NA	NA	...	...	...	...	...	...	3.73
11	T.D.S. (mg/L.)	...	188	118	137	198	296	166	233	435	482	450
12	Total Fixed Solids (mg/L.)	1500-mg/l.	97	62	92	93	127	69	110	126	202	107
13	Total Suspended Solids (mg/L.)	...	54	40	42	47	44	36	35	29	26	14
14	Turbidity (NTU)	...	1.0	1	1	1	1	1	1	1	2	1
15	Hardness (mg/L.) By Cal. method	500 mg/l.	131.6	84	115.14	183.4	170.7	116	146	145.71	221.9	218
16	Fluoride (mg/L.)- By I.C method	1.5 mg/l.	0.126	0.109	0.112	0.17	0.149	0.127	0.153	0.167	0.186	0.182
17	Boron (mg/L.)	...	BDL	BDL	0.09	BDL	BDL	BDL	BDL	BDL	BDL	BDL
18	Sulphate (mg/L.)- By I.C method	400 mg/l.	10.8	6.278	8.456	41	10.24	5.7	8.12	18.25	32.67	33
19	Chloride (mg/L.)- By I.C method.	600 mg/l.	15.62	9.239	12.28	25.7	29.15	12.04	19.75	19.1	35.64	27.84
20	T-Alkalinity (mg/L.)		126	100	110	182	200	190	164	142	168	190
21	P-Alkalinity (mg/L.)		NIL	Nil	NIL	NIL	BDL	NIL	NIL	16	BDL	BDL
22	Phosphate (mg/L.) By I.C method		0.369	0.29	0.403	1.282	0.93	BDL	0.428	1.052	0.987	0.341
23	% Sodium											14.82
24	Sodium (mg/L.)- By I.C method		13.43	13.12	12.82	26.2	20.07	14.18	17.7	13.94	21.63	17.77
25	Potassium (mg/L.) By I.C method		2.608	2.601	2.048	5.651	2.607	3.806	3.982	5.102	4.611	3.45
26	Calcium (mg/L.) By I.C method		34.75	28.8	30.23	47.82	41.98	29.84	38.91	40.45	57.81	56.09
27	Magnesium (mg/L.) By I.C method		10.86	2.93	9.63	15.54	16.01	10	11.92	10.85	18.83	18.92
III Trace Metal												
28	Nickel (µg/L)		...	...	...	...	...	...	...	...	...	BDL
29	Chromium (µg/L)	0.05 mg/l.	...	...	...	...	...	...	...	...	...	BDL
30	Cadmium (µg/L)	0.01mg/l.	...	...	...	...	...	...	...	...	...	BDL
31	Zinc (µg/L)	5.0 mg/l.	...	...	...	...	...	...	...	...	...	0.026
32	Copper (µg/L)	1.5 mg/l.	...	...	...	...	...	...	...	...	...	BDL
33	Lead (µg/L)	0.1 mg/l.	...	...	...	...	...	...	...	...	...	BDL
34	Iron (µg/L)	5.0 mg/l.	...	...	...	...	...	...	...	...	...	BDL

Godavari River, at Kapila Godavari Conf Point Tapovan (2181)													
Sr.No.	Parameter	Limits	04.01.12	06.02.12	06.03.12	03.04.12	04.05.12	03.06.12	03.07.12	06.08.12	04.09.12	04.10.12	
I Core Parameter													
1	pH	6.5 to 9.0	7.1	7.35	7.12	7.1	7	7.6	7.11	7.08	7.65	7.58	
2	Conductivity μ mhos/cm.		357	288	421	440	532	243	465.6	786.4	566.7	698.2	
3	DO (mg/L)	4.0 mg/l.	1.1	6.1	6.1	6.2	6.1	6.3	2.6	1.6	4.2	3.8	
	B.O.D. mg/l	5.0 mg/l. (Monthly average of atleast 10 Samples)	40	4	4.5	4.5	5	5	24	12	8	9	
4													
5	Nitrate- N mg/l	45 mg/l.	0.644	18.157	0.2	29.03	0.428	0.18	0.092	2.75	31.54	35.77	
6	Ammonia- N mg/l	...	10.03	0.84	5.72	1.681	0.125	-0.12	5.683	16.605	5.644	5.762	
7	Total Coliform (MPN) / 100 ml.	Not greater than 5000	140	60	70	500	50	140	140	180	170	170	
8	Faecal Coli form / 100 ml		70	11	22	220	21	70	60	70	60	50	
II General Parameter													
9	COD (mg/L)	...	40	40	32	28	28	32	64	60	40	36	
10	T.K.N. (mg/L)		...	NA	NA	...	...	...	...	...	...	4.66	
11	T.D.S. (mg/L)	...	348	174	270	246	316	148	325	410	450	467	
12	Total Fixed Solids (mg/L)	1500 mg/l.	155	97	72	98	70	77	96	109	190	97	
13	Total Suspended Solids (mg/L)	...	48	47	12	47	29	47	56	13	22	51	
14	Turbidity (NTU)	...	1	1	1	1	1	1	1	1	2	2	
15	Hardness (mg/L) By Cal. method	500 mg/l.	184.9	136	147	203	172.9	156	152.61	281.26	236.7	290.8	
16	Fluoride (mg/L)- By I.C method	1.5 mg/l.	0.162	0.161	147	0.194	0.139	0.0162	0.144	0.202	0.186	0.222	
17	Boron (mg/L)	...	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
18	Sulphate (mg/L)- By I.C method	400 mg/l.	19.8	14.76	10.768	18	10.11	6.38	18.15	50.46	36.29	44.64	
19	Chloride (mg/L)- By I.C method	600 mg/l.	38	19.09	26.747	39.2	25.17	24.11	32.66	56.2	39.44	46.65	
20	T-Alkalinity (mg/L)		214	140	136	207	240	232	174	256	206	272	
21	P-Alkalinity (mg/L)		NIL	NIL	NIL	NIL	BDL	NIL	NIL	NIL	BDL	BDL	
22	Phosphate (mg/L) By I.C method		5.4	1.408	2.63	2.395	0.965	2.616	2.202	6.962	2.663	3.27	
23	% Sodium											18.85	
24	Sodium (mg/L)- By I.C method		33.62	33.6	24.59	33.56	22.12	22.89	24.74	40.76	23.89	31.93	
25	Potassium (mg/L) By I.C method		10.164	10.1	7.514	5.906	2.57	6.73	9.714	8.205	6.133	6.628	
26	Calcium (mg/L) By I.C method		46.5	43.2	36.53	51.37	42.98	40.38	40.77	72.86	62.11	75.43	
27	Magnesium (mg/L) By I.C method		16.4	6.84	13.55	18.13	15.93	13.28	12.34	24.12	19.81	24.87	
III Trace Metal													
28	Nickel (μ g/L)		...	...	...	...	...	...	...	...	...	BDL	
29	Chromium (μ g/L)	0.05 mg/l.	...	...	...	...	...	...	...	...	...	0.025	
30	Cadmium (μ g/L)	0.01mg/l.	...	...	...	...	...	...	...	...	...	0.001	
31	Zinc (μ g/L)	5.0 mg/l.	...	...	...	...	...	...	...	...	...	0.034	
32	Copper (μ g/L)	1.5 mg/l.	...	...	...	...	...	...	...	...	...	BDL	
33	Lead (μ g/L)	0.1 mg/l.	...	...	...	...	...	...	...	...	...	0.001	
34	Iron (μ g/l)	5.0 mg/l.	...	...	...	...	...	...	...	...	...	BDL	

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