

Interstate River Boundary Water Quality Analysis Results for the year 2013-2014

S. No.	Parameters all in mg/l (except pH)	River Cauvery at Sathyagala Bridge (yearly)	River Thenpennai at Mugalur Bridge (Quarterly)					River Krishna at Deodurga (yearly)	River Tungabhadra at Hochechalli (yearly)	River Bhima at Ganagapur (yearly)	River Pennar at Mothukapalli (Kar) & Hindupur (A.P) (yearly)	River Manjira at Janwada (yearly)	River Godavari at Baser (yearly)
1	pH	7.5	7.1	6.9	7.4	7.6	7.9	7.8	7.4	There is no flow in the river from past seven years, hence the monitoring has been stopped.	7.5	7.8	
2	Electrical Conductivity $\mu\text{s}/\text{cm}$	450	1565	999	987	785	780	800	890		5.17	500	
3	Total Dissolved Solids	311	1080	670	536	487	460	464	623		322	340	
4	Total Dissolved Oxygen	-	-	4.5	04	-	7.8	09	08		07	6.9	
5	BOD	01	27	17	17	13	BDL	BDL	04		02	BDL	
6	COD	6.3	60.6	54	60	55	09	12	34		16	15	
7	Alkalinity	190.5	301	275	120	256	135	150	190		206	201	
8	Total Hardness	70.8	271	228	222	205	190	150	250		203	170	
9	Calcium Hardness	22.2	96	80	73	72	60	48	80		55	60	
10	Magnesium Hardness	3.7	7.5	9.2	10	6.0	9.8	9.8	12		16	4.9	
11	Chloride	56.9	150	96	127	89	58	50	75		31	15	
12	Sulphate	10.9	27.8	30	-	30	110	149	200		32	40	
13	Phosphate	-	-	-	1.0	-	BDL	0.03	BDL		BDL	BDL	
14	Sodium	23.2	118	110	89	99	90	85	96		40	36	
15	Potassium	1.7	21.8	05	18	04	02	10	02		06	02	
16	Boron	-	2.65	-	-	-	BDL	0.09	BDL		0.1	BDL	
17	NO ₃ -N	BDL	BDL	0.09	0.58	2.2	0.02	0.9	02		0.14	0.5	
18	NO ₂ -N	0.5	0.17	0.4	25.4	0.2	BDL	BDL	BDL		0.08	BDL	
19	NH ₃ -N	BDL	2.65	11	2.65	2.2	BDL	0.5	0.9		1.1	0.5	
20	T. Coliform CFU/100ml	7.22x10 ⁴	4.93x10 ⁵					104960	122880		93440	-	36000
21	F. Coliform CFU/100ml	5.84x10 ⁴	1.04x10 ⁵					960	960		320	-	2000

Interstate River Boundary Water Quality Analysis Results for the year 2014-2015

S. No.	Parameters all in mg/l (except pH)	River Cauvery at Sathyagala Bridge (yearly)	River Thenpennai at Mugalur Bridge (Quarterly)				River Krishna at Deodurga (yearly)	River Tungabhadra at Hochechalli (yearly)	River Bhima at Ganagapur (yearly)	River Pennar at Mothukapalli (Kar) & Hindupur (A.P) (yearly)	River Manjira at Janwada (yearly)	River Godavari at Baser (yearly)
1	pH	8.3	7.1	7.2	6.8	7.4	8.6	8.1	7.98	There is no flow in the river from past seven years, hence the monitoring has been stopped.	Monitoring not conducted	Monitoring not conducted
2	Electrical Conductivity $\mu\text{s}/\text{cm}$	300	1002	1174	1210	1323	623	1230	1080			
3	Total Dissolved Solids	155	503	560	648	658	440	724	740			
4	Total Dissolved Oxygen	10.8	1.26	3.1	1.5	4.0	8.1	6.4	6.6			
5	BOD	BDL	10.6	32	21.2	19.7	BDL	BDL	7.4			
6	COD	3.2	24.4	51	55.3	54.2	8.6	12.0	42			
7	Alkalinity	154	282	342	-	420	204	204	6.6			
8	Total Hardness	126	231	223	265	290	250	239	276			
9	Calcium Hardness	32	49.6	79	94	72.9	87.8	70.9	70.2			
10	Magnesium Hardness	11.2	26.0	06	7.5	26.2	7.5	14.9	24.5			
11	Chloride	-	138.8	136	159	169	72.5	136.2	129			
12	Sulphate	15.7	36.6	34.3	25.8	23.1	74.6	169.5	163			
13	Phosphate	0.04	0.51	6.4	1.9	3.0	3.2	2.9	0.02			
14	Sodium	18.0	100	168	118	126.5	100	177	128			
15	Potassium	1.60	20	18	19.9	16.1	2.5	6.2	4.6			
16	Boron	0.03	0.08	0.04	0.94	0.2	0.13	0.22	3.4			
17	NO ₃ -N	0.2	7.9	0.24	0.01	4.48	0.02	0.02	0.86			
18	NO ₂ -N	0.07	0.5	0.17	4.06	5.163	0.2	0.2	-			
19	NH ₃ -N	1.12	22	21.0	28.0	0.8	BDL	BDL	BDL			
20	T. Coliform CFU/100ml	-	-	262000	100800	95x10 ⁴	45600	66000	-			
21	F. Coliform CFU/100ml	-	-	192000	38400	78x10 ⁴	8400	7200	-			