

WATER QUALITY OF RIVERS IN MAHANADI BASIN-2004																																														
CODE	BASIN	RIVER	MF	LOCATION	TEMPERATURE (°C)				pH				CONDUCTIVITY (µmhos/cm)				D.O (mg/l)				B.O.D (mg/l)				FAECAL COLIFORM (MPN/100 ml)				TOTAL COLIFORM (MPN/100 ml)				NITRITE (mg/l)				NITRATE (mg/l)				AMMONICAL NITROGEN (mg/l)					
					N	MIN	MAX	MEAN	N	MIN	MAX	MEAN	N	MIN	MAX	MEAN	N	MIN	MAX	MEAN	N	MIN	MAX	MEAN	N	MIN	MAX	MEAN	N	MIN	MAX	MEAN	N	MIN	MAX	MEAN	N	MIN	MAX	MEAN	N	MIN	MAX	MEAN		
		RIVER MAHANADI																																												
1851	MAHANADI	MAHANADI	Q	MAHANADI AT SIHAWA.	1	25	25	25	1	7.8	7.8	7.8	1	189	189	189	1	7.3	7.3	7.3	1	0.8	0.8	0.8	-	-	-	-	1	28	28	28	1	0.600	0.600	0.600	-	-	-	-	1	0.170	0.170	0.170		
1264	MAHANADI	MAHANADI	Q	MAHANADI AT RUDRI U/S AT DHAMTORI RESERVOIR, CHHATISSGARH	4	24	28	26	4	7.4	8.1	7.8	4	187	281	219	4	7.0	8.0	7.6	4	0.3	1.1	0.8	-	-	-	-	4	4	39	18	-	-	-	-	4	0.121	0.780	0.432	3	0.113	0.230	0.181		
1099	MAHANADI	MAHANADI	M	MAHANADI AT U/ S OF RAJIM, CHHATISSGARH.	12	24	29	26	12	7.6	8.8	8.0	12	162	310	219	12	6.6	7.9	7.2	12	0.7	2.2	1.5	-	-	-	-	12	3	43	23	1	0.101	0.101	0.101	11	0.121	1.003	0.584	12	0.009	0.420	0.224		
1852	MAHANADI	MAHANADI	Q	MAHANADI AT ARRANG, RAIPUR	1	28	28	28	1	8.1	8.1	8.1	1	194	194	194	1	6.9	6.9	6.9	1	1.9	1.9	1.9	-	-	-	-	1	43	43	43	-	-	-	-	1	0.590	0.590	0.590	1	0.290	0.290	0.290		
1100	MAHANADI	MAHANADI	M	MAHANADI AT KHARAD, CHHATISSGARH.	11	25	32	28	11	6.3	8.5	7.6	2	145	150	148	11	6.7	7.8	7.3	11	1.3	2.4	2.0	-	-	-	-	10	32	392	155	11	0.018	0.049	0.035	-	-	-	-	-	-	-	-		
1282	MAHANADI	MAHANADI	Q	MAHANADI AT SHEORINARAYAN VILLAGE , CHHATISSGARH.	3	27	31	29	3	7.2	8.1	7.6	-	-	-	-	3	6.3	7.2	6.8	3	2.4	3.0	2.6	-	-	-	-	3	84	388	187	3	0.037	0.093	0.058	-	-	-	-	-	-	-	-		
1467	MAHANADI	MAHANADI	M	MAHANADI AFTER CONFL. WITH RIVER MAND, CHHATISSGARH	11	20	30	24	10	7.5	8.8	8.2	2	158	162	160	11	6.4	7.9	7.0	11	1.0	3.8	2.0	-	-	-	-	11	42	435	129	11	0.021	0.049	0.031	-	-	-	-	-	-	-	-		
1101	MAHANADI	MAHANADI	M	MAHANADI AT INTERSTATE BOUNDRY, CHHATISSGARH.	11	20	29	24	11	6.4	8.7	7.9	2	148	164	156	11	6.7	7.7	7.1	11	1.0	3.6	1.8	-	-	-	-	11	41	372	118	11	0.020	0.045	0.030	-	-	-	-	-	-	-	-		
1281	MAHANADI	MAHANADI	Q	MAHANADI AT HIRAKUD RESERVOIR, ORISSA	4	22	30	28	4	7.5	8.2	7.8	3	132	374	218	3	7.4	8.3	7.8	4	0.8	1.0	0.9	4	78	330	192	4	230	790	493	3	0.003	1.964	0.681	3	0.031	1.638	0.632	-	-	-	-	-	
1270	MAHANADI	MAHANADI	M	MAHANADI AT SAMBALPUR U/S, ORISSA	12	17	30	26	12	7.5	8.3	7.8	12	105	429	194	12	7.2	9.4	8.2	12	0.6	2.2	1.4	12	490	2300	1183	12	790	4300	2291	10	0.001	0.110	0.021	12	0.016	1.681	0.575	-	-	-	-	-	
1271	MAHANADI	MAHANADI	M	MAHANADI AT SAMBALPUR D/S, ORISSA	12	17	32	26	12	7.2	8.2	7.7	12	138	407	204	12	5.2	9.3	7.5	12	1.4	4.0	3.0	12	2300	24000	6225	12	7000	54000	14308	11	0.001	0.085	0.015	12	0.050	2.089	0.648	-	-	-	-	-	
1272	MAHANADI	MAHANADI	Q	MAHANADI D/S (AFTER CONFL. WITH R. ONG SONEPUR U/S), ORISSA	4	19	32	26	4	7.5	7.9	7.7	4	159	376	230	4	7.1	8.3	7.7	4	0.2	1.4	0.8	4	700	1100	878	4	1300	2400	1700	4	0.001	1.331	0.362	4	0.003	1.828	0.500	-	-	-	-	-	
1274	MAHANADI	MAHANADI	Q	MAHANADI AFTER CONFL. WITH R.TEL (SONEPUR D/S), ORISSA	4	20	32	27	4	7.4	7.9	7.8	4	195	380	258	4	6.6	9.1	7.5	4	0.8	2.0	1.4	4	1700	4900	3075	4	5900	11000	7950	3	0.001	1.227	0.466	4	0.004	0.420	0.151	-	-	-	-	-	
1275	MAHANADI	MAHANADI	Q	MAHANADI AT TIKARPADA, ORISSA	4	22	29	27	4	7.4	7.8	7.6	4	140	468	246	4	7.2	7.8	7.5	4	0.4	2.0	1.0	4	27	1100	328	4	40	1700	530	3	0.002	0.021	0.012	4	0.250	2.094	1.012	-	-	-	-	-	
1276	MAHANADI	MAHANADI	Q	MAHANADI AT NARSINGHPUR, ORISSA	4	23	33	29	4	7.1	7.8	7.5	4	148	464	244	4	6.7	8.7	7.5	4	0.4	2.0	1.3	4	260	1100	810	4	470	2800	1818	3	0.003	0.032	0.013	4	0.178	2.641	1.080	-	-	-	-	-	
1277	MAHANADI	MAHANADI	M	MAHANADI AT CUTTACK U/S, ORISSA	12	22	34	29	12	7.5	8.3	7.8	12	121	363	201	12	6.8	9.0	7.9	12	0.5	2.2	1.3	12	220	1700	440	12	430	4900	1090	10	0.001	0.250	0.037	12	0.068	2.184	0.683	-	-	-	-	-	
1278	MAHANADI	MAHANADI	M	MAHANADI AT CUTTACK D/S, ORISSA	11	21	34	29	11	6.8	8.0	7.5	11	165	375	231	11	7.0	8.0	7.5	11	1.4	3.0	2.2	11	1300	22000	6018	11	3500	92000	19018	9	0.001	0.160	0.027	11	0.210	2.253	0.906	-	-	-	-	-	
		ESTUARINE STRETCH																																												
1639	MAHANADI	MAHANADI	Q	MAHANADI AT PARADEEPD/S, ORISSA	4	23	30	27	4	7.1	7.8	7.5	4	476	20700	10095	4	4.4	8.0	6.7	4	1.0	3.8	2.4	4	2200	13000	6975	4	8400	54000	21900	3	0.068	1.478	0.588	3	0.025	2.078	0.814	-	-	-	-	-	
		TRIBUTARIES																																												
		RIVER SEONATH																																												
1107	MAHANADI	SEONATH	M	SEONATH AT U/ S RAJNANGAON , CHAATISSGARH	12	25	33	27	12	7.5	7.5	7.5	12	338	395	365	12	7.0	8.4	7.6	8	0.7	1.6	1.1	-	-	-	-	11	75	2400	745	1	0.040	0.040	0.040	1	0.450	0.450	0.450	1	0.300	0.300	0.300		

1266	MAHANADI	SEONATH	Q	SEONATH AT SHIMGA AFTER CONFL. WITH R. KHARON, CHHATISSGARH	4	22	29	25	4	7.5	8.3	8.1	4	281	375	309	4	7.1	7.5	7.3	3	0.1	1.1	0.7	-	-	-	-	4	4	240	65	-	-	-	-	3	0.235	0.591	0.365	3	0.110	0.239	0.193
	RIVER KHARON																																											
1265	MAHANADI	KHARON	Q	KHARON AT RAIPUR U/S, CHHATISSGARH.	5	26	28	28	5	7.4	8.1	7.8	4	173	294	234	5	6.7	7.8	7.3	5	0.7	2.0	1.2	-	-	-	-	5	3	39	28	1	0.570	0.570	0.570	4	0.111	0.890	0.568	5	0.163	0.210	0.191
1846	MAHANADI	KHARON	Q	KHARON RIVER A/C KHAPRI DRAIN.	1	29	29	29	1	7.5	7.5	7.5	1	385	385	385	1	7.9	7.9	7.9	-	-	-	-	-	-	-	-	1	460	460	460	-	-	-	-	-	-	-	-	-	-	-	
	RIVER HASDEO																																											
1105	MAHANADI	HASDEO	M	HASDEO AT U/ S KORBA , CHHATISSGARH	10	19	32	26	10	7.3	8.1	7.5	-	-	-	-	10	7.4	8.8	7.9	10	1.0	2.4	1.2	-	-	-	-	10	30	48	34	10	0.050	0.800	0.138	2	0.900	1.100	1.000	-	-	-	-
1106	MAHANADI	HASDEO	M	HASDEO AT U/S OF CHAMPA, CHHATISSGARH	11	22	32	27	11	6.3	8.2	7.5	2	136	155	146	11	6.7	8.2	7.3	11	0.9	2.4	1.8	-	-	-	-	10	45	318	118	11	0.026	0.050	0.038	-	-	-	-	-	-	-	-
	RIVER IB																																											
1267	MAHANADI	IB	M	IB AT SUNDARGARH, ORISSA	12	17	36	27	12	6.9	8.1	7.7	12	72	323	156	12	7.0	9.4	8.3	12	0.5	2.4	1.0	12	45	1700	559	12	130	3500	1134	10	-	0.070	0.014	12	0.025	2.041	0.455	-	-	-	-
1268	MAHANADI	IB	M	IB AT JHARSUGUDA (INTAKE), ORISSA	12	19	34	28	12	6.8	8.0	7.6	12	75	328	161	12	6.7	9.4	8.0	12	0.6	1.6	1.0	12	130	1700	514	12	260	2800	978	8	0.001	0.046	0.017	12	0.037	1.876	0.420	-	-	-	-
1300	MAHANADI	IB	M	IB AT RAJ NAGAR U/S, ORISSA	12	20	34	28	12	6.8	8.1	7.6	12	88	337	172	12	6.4	9.1	8.1	12	0.4	2.2	1.2	12	110	4900	867	12	350	11000	2062	9	0.001	0.031	0.009	12	0.028	2.052	0.495	-	-	-	-
1269	MAHANADI	IB	M	IB AT BRAJRAJNAGAR (INTAKE) D/S, ORISSA	12	21	35	28	12	7.1	8.0	7.6	12	66	356	176	12	6.5	8.9	7.8	12	0.6	2.8	1.9	12	170	9200	1713	12	430	16000	4072	9	0.001	0.038	0.011	12	0.057	2.060	0.564	-	-	-	-
	RIVER KUAKHAI																																											
1280	MAHANADI	KUAKHAI	M	KUAKHAI AT BHUBANESWAR D/S, ORISSA	12	20	32	28	12	6.7	7.9	7.4	12	178	276	232	12	4.9	7.7	6.5	12	1.0	4.8	3.1	12	1100	13000	3500	12	2200	24000	7700	11	-	0.301	0.075	12	0.120	6.192	1.549	-	-	-	-
1279	MAHANADI	KUAKHAI	M	KUAKHAI AT BHUBANESWAR U/S, ORISSA	12	21	32	28	12	7.2	8.1	7.7	12	114	257	171	12	6.7	8.8	7.9	12	0.5	1.8	1.2	12	230	1300	743	12	790	3500	1633	10	0.001	0.120	0.027	12	0.043	2.849	0.705	-	-	-	-
	RIVER KATHJODI																																											
1301	MAHANADI	KATHAJODI	M	KATHAJODI AT CUTTACK D/S, ORISSA	12	20	33	29	12	7.2	8.0	7.6	12	85	599	279	12	6.8	11.5	7.6	12	1.6	5.0	3.6	12	2200	16000	6683	12	7900	17000	12642	10	0.001	0.168	0.030	12	0.231	3.282	1.440	-	-	-	-
	RIVER BIRUPA																																											
1640	MAHANADI	BIRUPA	Q	BIRUPA AT CHOUDWAR, ORISSA	4	22	29	27	4	6.9	8.0	7.5	4	81	247	157	3	6.2	8.3	7.4	4	0.3	2.4	1.4	4	1100	7900	3450	4	3500	13000	6700	4	0.001	2.068	0.571	3	0.031	2.087	0.741	-	-	-	-