

Table-14 Ground water Quality Status (Tube well) (2019)

Monitoring Station	Month of Monitoring	pH	Cond., µS/cm	BOD, mg/l	COD, mg/l	Turbidity, NTU	TDS, mg/l	TFS	Total Alkalinity, mg/l	Total Hardness CaCO <sub>3</sub> , mg/l	Calcium as Ca, mg/l	Magnesium as Mg, mg/l	Chloride, mg/l	Sulphate, mg/l	Nitrate, mg/l	NH <sub>4</sub> -N, mg/l
1. ANGUL (2 stations)																
1. Angul Township	April	7.2	1184	0.2	1.6	1.7	592	564	242	208	60.92	2.67	153.8	70.52	4.282	<0.28
	Oct	7.9	776	0.4	3.7	1.9	484	428	292	308	70.54	3.29	57.7	80.24	36.004	0.84
2. NALCO township	April	7.6	608	0.3	3.1	0.8	316	300	192	184	46.49	2.80	59.6	26.49	0.784	<0.28
	Oct	7.6	551	0.1	1.8	1.2	348	308	212	200	36.87	3.13	65.4	28.92	8.901	0.28
2. BALASORE (3 stations)																
3. Naigopalpur	April	6.6	198	0.2	5.2	2.9	116	100	56	62	16.83	2.08	21.2	14.4	1.798	<0.28
	Oct	7.1	93	0.3	5.5	5.6	56	44	36	32	9.62	1.66	7.7	5.95	1.550	0.28
4. Kuanrpur	April	7.8	308	0.7	1.7	1.5	168	148	74	56	16.03	1.97	41.3	12.19	0.053	0.28
	Oct	6.6	180	0.2	3.7	3.5	116	100	72	84	24.05	2.17	9.6	12.62	27.856	0.28
5. Chakulia	April	6.6	303	0.7	1.7	3	188	168	82	80	24.85	2.02	49	20.39	1.187	<0.28
	Oct	7.6	217	0.2	3.7	4	128	104	32	24	8.02	1.40	40.4	10.59	0.620	0.56
3. BERHAMPUR(4 stations)																
6. Near Railway station	Apr	7.6	988	0.3	5.2	4.8	546	516	196	174	48.10	2.64	192.3	13.93	25.686	<0.28
	Oct	7.8	1338	0.2	5.5	3	904	856	224	76	22.44	2.08	332.7	75.72	23.649	0.28
7. MKCG Medical College	Apr	7.8	1250	0.2	5.2	3.7	672	652	272	220	51.30	3.01	240.4	26.9	0.620	<0.28
	Oct	8.2	670	0.2	5.5	8	412	384	188	172	41.68	2.80	98.07	45.72	2.214	0.56
8. Bus stand	Apr	7.4	1283	0.3	5.2	2.3	692	624	252	184	46.49	2.80	240.4	27.36	0.926	<0.28
	Oct	8	1397	0.5	9.2	3.9	864	804	312	220	54.51	2.94	284.6	61.19	3.144	0.28
9. Badabazar	Apr	6.8	777	0.6	3.4	4.5	436	416	114	140	36.87	2.57	144.2	49.75	25.686	<0.28
	Oct	7.6	1291	0.6	3.7	2.8	764	724	260	172	51.30	2.51	226.9	84.29	23.649	0.56
Drinking water specification (IS : 10500 (2012))																
Acceptable Limit		6.5-8.5	-	-	-	1	500	-	200	200	75	30	250	200	45	0.5
Permissible limit		No relax	-	-	-	5	2000	-	600	600	200	100	1000	400	No relax	No relax

Stn Name	Month of Monitoring	pH	Cond., µS/cm	BOD, mg/l	COD, mg/l	Turbidity, NTU	TDS, mg/l	TFS	Total Alkalinity, mg/l	Total Hardness CaCO <sub>3</sub> , mg/l	Calcium as Ca, mg/l	Magnesium as Mg, mg/l	Chloride, mg/l	Sulphate, mg/l	Nitrate, mg/l	NH <sub>4</sub> -N, mg/l
4. BHUBANESWAR (6 stations)																
10. Khandagiri Area	April	6.2	652	0.3	3.8	4.2	448	428	126	114	33.67	2.29	153.8	41.6	0.500	<0.28
	Oct	6.7	133	0.9	14.9	125	92	76	36	48	16.03	1.66	15.4	24.05	1.594	0.56
11. Old town-Samantarapur Area	April	6.7	408	0.4	1.7	2.1	236	216	102	106	26.45	2.46	45.2	41.17	0.571	<0.28
	Oct	7.8	530	1.0	14.9	15	304	276	228	218	46.49	3.09	51.9	9.52	3.986	0.56
12. Kalpana-Laxmisagar Area,	April	6.3	261	0.3	1.7	2.9	172	148	82	76	20.84	2.17	27.9	28.6	0.492	<0.28
	Oct	5.9	284	0.2	5.6	8.8	168	152	20	32	11.22	1.40	57.7	17.38	50.397	0.28
13. Chandrasekhar pur	April	7.1	216	0.3	1.7	2.6	148	128	84	80	24.05	2.08	26.9	9.95	0.549	<0.28
	Oct															
14. Capital Hospital Area	April	6.0	351	0.6	1.7	47	192	160	46	68	19.24	2.08	59.6	29.85	0.589	<0.28
	Oct															
15. Secretariate-Governor House-Old bus stand Area	April	6.4	357	0.2	1.7	3.1	196	180	94	90	23.25	2.33	48.1	16.17	0.957	<0.28
	Oct	7.4	228	0.7	5.6	8.3	148	128	86	84	25.65	2.08	24.9	12.74	22.497	0.28
5. CUTTACK (5 stations)																
16. Jagatpur	April	7.5	539	0.1	1.7	1.4	268	248	160	176	48.10	2.67	40.4	33.95	9.694	0.56
	Oct	6.1	504	0.2	3.7	1.3	292	264	112	144	41.68	2.46	59.6	51.54	32.284	<0.28
17. Mangalabag	April	8.2	263	0.4	3.4	4	148	128	110	104	28.86	2.33	15.4	7.96	3.149	<0.28
	Oct	6.5	418	0.1	9.3	8.4	248	228	178	184	48.10	2.76	11.5	38.09	42.027	0.56
18. Madhupatna-Kalyan Nagar Area	April	7.9	297	0.4	3.4	1.9	156	128	120	102	30.46	2.21	16.3	7.09	0.926	<0.28
	Oct	6.5	370	0.2	1.9	3.4	216	196	124	104	33.67	2.08	46.1	14.28	0.797	<0.28

Stn Name	Month of Monitoring	pH	Cond., µS/cm	BOD, mg/l	COD, mg/l	Turbidity, NTU	TDS, mg/l	TFS	Total Alkalinity, mg/l	Total Hardness CaCO <sub>3</sub> , mg/l	Calcium as Ca, mg/l	Magnesium as Mg, mg/l	Chloride, mg/l	Sulphate, mg/l	Nitrate, mg/l	NH <sub>4</sub> -N, mg/l
19. Badambadi Area	April	8.4	216	0.9	3.4	4.8	132	112	80	64	18.44	2.02	19.23	3.48	3.795	<0.28
	Oct	6.7	393	0.4	5.6	1.6	228	200	76	84	22.44	2.25	65.4	28.21	6.466	0.56
20. Bidanasi-Tulsipur Area	April	8.0	160	0.2	3.4	0.9	92	76	70	60	17.64	1.97	11.5	3.98	1.085	<0.28
	Oct	6.5	420	0.2	1.9	3.6	244	220	202	180	44.89	2.80	15.4	25.95	7.351	0.28
6. PARADEEP (JAGAT Singhpur )(2 stations)																
21. Musadiha	Apr	8.4	698	0.3	3.4	1.6	388	368	236	184	48.08	15.60	76.9	9.95	16.806	<0.28
	Oct	7.6	2468	1.5	15.4	0.6	1512	1420	233	180	36.86	21.45	765.3	16.43	28.635	0.28
22. Badapadia	Apr	8.2	913	0.8	5.2	1.2	504	488	308	248	56.10	26.32	110.57	17.54	4.805	<0.28
	Oct	7.3	948	1.1	17.3	1.1	576	540	314	248	38.47	37.04	154	14.64	32.554	0.56
7. SUKINDA ( JAJPUR)(4 stations)																
23. TISCO	April	7.9	284	0.3	3.4	2.2	160	140	128	98	24.04	9.26	18.3	1.86	0.779	<0.28
	Oct	6.8	196	0.4	9.3	16	116	100	92	96	25.64	7.80	9.6	9.64	1.151	0.28
24. Saruabil	April	6.5	237	0.4	6.9	1.2	136	116	80	60	16.03	4.87	26	6.84	0.505	<0.28
	Oct	6.6	245	0.3	1.9	9.1	148	128	96	92	25.64	6.82	21.2	14.28	12.666	0.28
25. Kaliapani	April	7.8	343	0.2	1.7	4.8	192	172	166	138	41.67	8.29	13.5	3.6	0.540	<0.28
	Oct	6.7	500	0.1	3.7	5.7	288	276	204	188	49.69	15.60	32.7	28.69	6.599	0.56
26. Kamarda	April	7.4	387	0.3	1.7	2.5	220	204	208	168	51.29	9.75	10.6	0.75	0.744	<0.28
	Oct	6.9	269	0.1	1.9	5.3	156	132	132	128	38.47	7.80	9.6	5.95	27.280	0.28
8. JHARSUGUDA (8 stations)																
27. Thekoi	April															
	Oct															
28. Bhurkhamunda	April	7.1	196	0.2	1.7	1.5	116	100	54	52	16.83	2.44	28.8	6.23	1.909	<0.28
	Oct	7.4	190	0.2	3.7	2	116	96	56	48	14.43	2.92	17.3	14.28	21.169	0.56
29. Badamal Industrial Estate	April	6.8	215	0.9	5.2	1.1	128	108	56	56	17.63	2.92	22.1	11.06	2.839	<0.28
	Oct	7.2	106	0.4	1.8	12	72	60	36	40	11.22	2.92	7.7	10.48	13.109	1.12
30. Budhipadar	April	6.4	170	0.6	1.7	2.6	112	96	54	52	16.83	2.44	18.3	10.57	3.357	<0.28
	Oct	6.6	187	0.4	1.8	8	116	96	64	56	16.03	3.90	23.07	10.38	2.214	1.12

Stn Name	Month of Monitoring	pH	Cond., µS/cm	BOD, mg/l	COD, mg/l	Turbidity, NTU	TDS, mg/l	TFS	Total Alkalinity, mg/l	Total Hardness CaCO <sub>3</sub> , mg/l	Calcium as Ca, mg/l	Magnesium as Mg, mg/l	Chloride, mg/l	Sulphate, mg/l	Nitrate, mg/l	NH <sub>4</sub> -N, mg/l
31. Brajarajnagar Mining Belt	April	5.8	150	0.9	1.7	2.5	92	72	24	36	11.22	1.95	18.3	18.6	1.873	<0.28
	Oct	7.3	262	0.3	3.6	42	148	128	44	48	14.43	2.92	42.3	17.98	30.469	0.28
32. Rampur (water tank)	April	6.8	286	0.5	1.7	2.2	188	160	120	104	30.45	6.82	29.2	12.31	0.828	<0.28
	Oct	6.6	241	0.1	3.6	1.6	152	136	84	64	22.44	1.95	28.8	11.31	1.639	0.56
33. Ib thermal power station	April	6.9	315	0.4	1.7	1.7	168	152	144	114	32.06	8.29	14.4	2.86	0.766	<0.28
	Oct	6.6	219	0.4	1.8	3	140	124	116	96	24.04	8.77	13.5	3.45	2.126	0.56
34. Belpahar Area	April	6.8	199	0.3	1.7	4.9	128	108	64	58	16.03	4.39	27.9	7.96	0.704	<0.28
	Oct	6.9	195	0.2	1.8	1.2	120	108	84	88	25.64	5.85	17.3	6.66	2.657	0.84
9. PURI (4 stations)																
35. Hospital-Busstand-Mausima temple area	April	8.1	504	0.2	1.7	7.8	288	268	110	114	28.05	10.72	88.4	25	1.182	<0.28
	Oct	7.9	975	0.2	1.9	1.3	584	544	240	268	68.92	23.40	186.5	24.76	28.919	0.56
36. Near Jagannath Temple	April	7.8	701	0.3	3.4	3.6	388	372	202	150	40.87	11.70	103.8	18.65	3.742	<0.28
	Oct	8.1	808	0.4	1.9	4.1	524	488	224	160	38.47	15.60	173.1	17.74	1.151	0.84
37. Near Sea Beach,	April	8.2	600	0.3	3.4	5.4	368	352	160	124	32.86	10.24	111.5	21.64	0.602	<0.28
	Oct	8.2	1175	0.5	3.8	3.3	668	612	356	240	51.29	27.29	187.5	21.67	1.196	0.56
38. Baliapanda	April	7.9	442	0.6	1.7	8.5	284	252	132	118	28.05	11.70	88.4	7.21	0.492	<0.28
	Oct	8.1	350	0.1	1.9	4.5	216	188	96	44	12.82	2.92	61.5	7.38	1.373	0.56
10. SAMBALPUR(3 stations)																
39. Near Panthanivas	April	8.1	366	0.8	1.6	1.2	224	208	92	86	26.45	4.87	43.3	29.73	18.875	<0.28
	Oct	6.6	282	0.5	9.3	9	172	148	68	96	27.25	6.82	34.6	31.78	6.731	0.28
40. Near Railway station	April	7.6	1738	0.6	3.1	0.5	1028	988	274	290	83.35	19.98	346.1	137.8	28.175	<0.28
	Oct	7	606	0.1	3.7	1.4	348	312	140	208	49.69	20.47	42.3	101.54	30.469	0.56
41. Near VSS Medical College, Burla	April	8.1	602	0.9	1.6	1.3	320	292	248	214	54.50	19.01	37.5	21.39	1.072	<0.28
	Oct	7.5	422	0.1	3.7	1.8	256	228	226	220	32.06	34.12	15.4	24.05	1.329	0.28

Stn Name	Month of Monitoring	pH	Cond., µS/cm	BOD, mg/l	COD, mg/l	Turbidity, NTU	TDS, mg/l	TFS	Total Alkalinity, mg/l	Total Hardness CaCO <sub>3</sub> , mg/l	Calcium as Ca, mg/l	Magnesium as Mg, mg/l	Chloride, mg/l	Sulphate, mg/l	Nitrate, mg/l	NH <sub>4</sub> -N, mg/l
11. TALCHER (7 stations)																
42. Mahanadi Coal Field Area	April	6.9	403	0.8	1.6	2.2	236	216	92	128	34.46	10.24	25	70.39	0.819	<0.28
	Oct	7.8	412	1.1	7.4	39	236	204	100	140	36.86	11.70	21.4	75.59	8.591	0.28
43. Kaniha	April	7.5	511	0.4	1.6	3.6	260	240	220	172	44.88	14.62	17.3	14.93	0.717	<0.28
	Oct	7.9	527	0.1	3.7	13	312	288	272	216	49.69	22.42	23.07	13.21	1.196	0.56
44. Talcher town	April	7.6	704	0.4	3.1	4.1	372	364	170	196	48.08	18.52	67.3	69.03	11.284	<0.28
	Oct	7.7	614	0.5	1.8	12	372	352	308	304	67.32	33.14	11.5	59.76	1.329	0.84
45. Meramundali Area	April	7.2	220	1.0	3.1	1.1	124	108	82	60	17.63	3.90	12.5	15.05	1.603	<0.28
	Oct	8.0	878	0.2	5.5	1.8	488	476	320	340	73.73	38.02	38.5	99.05	3.941	0.56
46. Talcher Thermal Area	April	7.3	1404	0.6	1.6	4.6	852	820	376	280	75.33	22.42	202	99.64	0.877	<0.28
	Oct	7.9	922	0.5	3.7	80	528	488	296	256	57.70	27.29	84.6	75.12	1.506	0.28
47. Banarpal	April	7.5	1078	0.4	6.3	0.6	704	672	344	240	62.51	20.47	134.6	92.41	2.201	<0.28
	Oct	7.6	1138	0.3	5.5	9.5	748	704	300	240	54.50	25.34	178.8	110	1.594	0.84
48. Kulad	April	7.7	1444	0.8	9.4	4.2	848	824	278	246	62.51	21.93	211.5	145.9	23.130	<0.28
	Oct	8.3	1008	0.4	1.8	8.2	612	584	244	160	49.69	8.77	140.4	86.19	2.347	0.28
Drinking water specification (IS : 10500 (2012))																
Acceptable Limit		6.5- 8.5	-	-	-	1	500	-	200	200	75	30	250	200	45	0.5
Permissible limit		No relax	-	-	-	5	2000	-	600	600	200	100	1000	400	No relax	No relax

**Contd..**

Stn Name	Month of Monitoring	Total Kjeldahl N, mg/l	Fluoride, mg/l	PO <sub>4</sub> <sup>3-</sup> -P, mg/l	Sodium, mg/l	Potassium, mg/l	Boron, mg/l	Cr (VI), mg/l	Chromium Total, mg/l	Mercury, mg/l	Cadmium, mg/l	Copper, mg/l	Lead, mg/l	Nickel, mg/l	Zinc, mg/l	Iron Total, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml
1. ANGUL (2 stations)																		
1. Angul Township	April	3.08	0.363	0.22	111	35.8	0.028	<0.002	0.027	--	0.0014	0.009	0.007	0.018	0.018	0.167	1.8	1.8
	Oct	5.88	0.35	0.01	39.41	13.11	0.05										17	1.8
2. NALCO township	April	4.48	0.44	0.027	36.6	12.36	0.01	<0.002	0.029	--	0.0015	0.008	0.007	0.009	0.114	0.098	17	1.8
	Oct	3.64	0.46	0.02	41.62	12.75	0.18										1.8	1.8
2. BALASORE(3 stations)																		
3. Naigopalpur	April	1.4	0.269	0.022	13.98	1.66	0.056	<0.002	0.013	--	0.0014	0.005	0.008	0.014	0.013	1.996	8	1.8
	Oct	1.68	0.12	0.03	5.93	1.1	0.03										70	17
4. Kuanrpur	April	2.8	5.39	0.185	39.05	0.74	0.456	<0.002	0.010	--	0.0008	0.003	0.003	0.004	0.009	0.816	1.8	1.8
	Oct	2.52	0.73	0.05	6.5	1.29	0.06										1.8	1.8
5. Chakulia	April	3.36	0.175	0.021	31.25	0.86	0.024	<0.002	0.015	--	0.0013	0.003	0.003	0.014	0.012	0.904	1.8	1.8
	Oct	2.24	5.48	0.03	32.73	7.7	0.41										46	1.8
3. BERHAMPUR (4 stations)																		
6. Berhampur near Railway station	Apr	1.4	0.222	0.23	125.7	20.14	0.052	<0.002	0.013	--	0.0009	0.011	0.007	0.013	0.062	2.012	23	1.8
	Oct	1.68	0.24	0.08	271.6	51.8	0.21										13	1.8
7. MKCG medical College	Apr	0.56	0.776	0.023	158.6	22.29	0.277	<0.002	0.010	--	0.0012	0.006	0.008	0.009	0.105	3.324	1600	540
	Oct	3.08	0.74	0.02	60.61	31.39	0.24										23	1.8
8. Bus stand	Apr	1.96	0.618	0.169	167.7	23.09	0.042	<0.002	0.013	--	0.0011	0.007	0.005	0.012	0.122	0.969	1.8	1.8
	Oct	0.84	0.64	0.04	202.6	50.55	0.22										79	13
9. Badabazar	Apr	1.4	0.658	0.186	96.1	14.56	0.056	<0.002	0.015	--	0.0010	0.009	0.008	0.014	0.052	0.443	1.8	1.8
	Oct	1.96	0.64	0.05	183.6	44.49	0.17										1.8	1.8
Drinking water specification (IS : 10500 (2012))																		
Acceptable Limit		-	1.0	-	-	-	0.5	-	0.05	0.001	0.003	0.05	0.01	0.02	5.0	1.0	Absent	
Permissible limit		-	1.5	-	-	-	1.0	-	No relax	No relax	No relax	1.5	No relax	No relax	15.0	No relax	No relax	

Stn Name	Month of Monitoring	Total Kjeldahl N, mg/l	Fluoride, mg/l	PO <sub>4</sub> <sup>3-</sup> -P, mg/l	Sodium, mg/l	Potassium, mg/l	Boron, mg/l	Cr (VI), mg/l	Chromium Total, mg/l	Mercury, mg/l	Cadmium, mg/l	Copper, mg/l	Lead, mg/l	Nickel, mg/l	Zinc, mg/l	Iron Total, mg/l	TC, MPN/100 ml	FC, MPN/100 ml
4. BHUBANESWAR (6 stations)																		
10. Khandagiri Area	April	3.664	0.312	0.111	106	23.2	0.066	<0.002	0.013	--	0.0015	0.005	0.004	0.004	0.008	0.100	1.8	1.8
	Oct	2.52	0.06	0.02	9.1	2.72	0.09										1.8	1.8
11. Old town-Samantarapur Area	April	3.92	0.372	0.022	33.26	12.62	0.049	<0.002	0.015	--	0.0017	0.007	0.007	0.012	0.116	0.094	23	1.8
	Oct	1.68	0.56	0.04	22.33	8.29	0.32										23	23
12. Kalpana-Laxmisagar Area	April	2.8	0.146	0.27	22.16	10.63	0.056	<0.002	0.024	--	0.0009	0.004	0.003	0.005	0.143	0.101	23	2
	Oct	2.24	0.08	0.02	39.59	10.16	0.15										1.8	1.8
13. Chandrasekharpur	April	2.24	0.366	0.048	16.01	8.26	0.073	<0.002	0.013	--	0.0016	0.005	0.007	0.009	0.004	0.050	1.8	1.8
	Oct																	
14. Capital Hospital Area	April	3.08	0.175	0.221	41.05	1.32	0.059	<0.002	0.018	--	0.0016	0.012	0.003	0.004	0.007	0.638	1.8	1.8
	Oct																	
15. Secretariate Governor House-Old bus stand Area	April	2.8	0.149	0.022	29.21	13.03	0.028	<0.002	0.018	--	0.0018	0.004	0.008	0.008	0.057	0.114	540	130
	Oct	1.68	0.10	0.05	16.97	5.29	0.11										130	33
5. CUTTACK (5 stations)																		
16. Jagatpur	April	1.12	0.164	0.055	25.16	5.95	0.045	<0.002	0.024	--	0.0015	0.004	0.009	0.008	0.011	0.345	2	1.8
	Oct	4.2	0.15	0.07	38.1	7.21	0.02										1.8	1.8
17. Mangalabag	April	3.08	0.278	0.07	10.38	2.81	0.003	0.014	0.024	--	0.0013	0.006	0.006	0.005	0.057	2.368	1.8	1.8
	Oct	2.8	0.11	0.08	10.59	4.02	0.01										1.8	1.8
18. Madhupatna-Kalyan Nagar Area	April	2.8	0.232	0.047	10.91	4.38	0.024	<0.002	0.015	--	0.0010	0.004	0.006	0.005	0.020	0.417	1.8	1.8
	Oct	1.4	0.23	0.07	30.81	5.46	0.01										1.8	1.8

Stn Name	Month of Monitoring	Total Kjeldahl N, mg/l	Fluoride, mg/l	PO <sub>4</sub> <sup>3-</sup> -P, mg/l	Sodium, mg/l	Potassium, mg/l	Boron, mg/l	Cr (VI), mg/l	Chromium Total, mg/l	Mercury, mg/l	Cadmium, mg/l	Copper, mg/l	Lead, mg/l	Nickel, mg/l	Zinc, mg/l	Iron Total, mg/l	TC, MPN/100 ml	FC, MPN/100 ml
19. Badambadi Area	April	3.36	0.528	0.066	15.61	15.26	0.035	<0.002	0.013	--	0.0007	0.010	0.008	0.007	0.139	3.696	1.8	1.8
	Oct	4.2	0.22	0.14	43.5	9.52	0.08										1.8	1.8
20. Bidanasi-Tulsipur Area	April	0.28	0.2	0.057	5.75	1.68	0.033	<0.002	0.015	--	0.0018	0.002	0.003	0.003	0.010	0.481	1.8	1.8
	Oct	2.8	0.09	0.05	10.4	3.24	<0.005										5	5
6. PARADEEP (JAGATSINGHPUR ) (2 stations)																		
21. Musadiha	Apr	5.32	0.606	0.127	54.3	25.5	0.947	<0.002	0.020	--	0.0018	0.005	0.007	0.018	0.014	0.216	23	1.8
	Oct	4.76	0.41	0.04	500.4	15.86	0.79										1.8	1.8
22. Badapadia	Apr	2.24	1.11	0.172	77.25	13.7	0.484	<0.002	0.018	--	0.0014	0.005	0.008	0.008	0.018	0.842	1.8	1.8
	Oct	3.08	0.70	0.36	94.2	29.65	0.25										1.8	1.8
7. SUKINDA (JAJPUR) (4 stations)																		
23. TISCO	April	9.8	0.149	0.124	15.19	5.83	0.119	0.013	0.035	--	0.0013	0.004	0.008	0.005	0.010	0.120	1.8	1.8
	Oct	1.12	0.16	0.01	3.66	1.06	0.01										13	1.8
24. Saruabil	April	4.76	0.132	0.019	22.26	6.79	0.094	0.024	0.049	--	0.0011	0.004	0.004	0.009	0.033	0.514	1.8	1.8
	Oct	0.56	0.15	0.01	14.47	4.23	0.09										1600	170
25. Kaliapani	April	2.52	0.139	0.022	10.69	2.06	0.049	0.038	0.045	--	0.0010	0.005	0.006	0.009	0.007	0.271	33	1.8
	Oct	0.84	0.14	0.02	22.15	9.12	0.06										540	11
26. Kamarda	April	2.52	0.131	0.026	10.65	2.11	0.042	0.006	0.018	--	0.0012	0.002	0.003	0.013	0.066	0.232	2	1.8
	Oct	1.96	0.14	0.02	4.34	1.11	0.04										130	49
8. JHARSUGUDA (8 stations)																		
27. Thelkoi	April																	
	Oct																	
28. Bhurkhamunda	April	3.08	0.342	0.132	19.09	5.29	0.033	<0.002	0.018	--	0.0018	0.006	0.009	0.005	0.083	0.060	1.8	1.8
	Oct	6.44	0.33	0.07	19.78	6.22	0.08										49	17
29. Badamal Industrial Estate	April	1.68	0.205	0.145	16.32	5.09	0.026	<0.002	0.025	--	0.0015	0.004	0.009	0.008	0.113	0.775	1.8	1.8
	Oct	9.8	0.22	0.04	8.23	3.33	0.01										1.8	1.8
30. Budhipadar	April	2.24	0.203	0.055	15.16	5.16	0.049	<0.002	0.015	--	0.0013	0.007	0.009	0.011	0.125	0.862	1.8	1.8
	Oct	9.52	0.21	0.04	15.29	8.16	<0.005										1.8	1.8



Stn Name	Month of Monitoring	Total Kjeldahl N, mg/l	Fluoride, mg/l	PO <sub>4</sub> <sup>3-</sup> -P, mg/l	Sodium, mg/l	Potassium, mg/l	Boron, mg/l	Cr (VI), mg/l	Chromium Total, mg/l	Mercury, mg/l	Cadmium, mg/l	Copper, mg/l	Lead, mg/l	Nickel, mg/l	Zinc, mg/l	Iron Total, mg/l	TC, MPN/100 ml	FC, MPN/100 ml
31. Brajarajnagar Mining Belt	April	1.96	0.216	0.065	14.19	6.12	0.042	<0.002	0.018	--	0.0017	0.016	0.005	0.011	0.106	0.360	1.8	1.8
	Oct	3.36	0.24	0.03	25.07	9.81	0.05										1.8	1.8
32. Rampur (water tank)	April	3.08	0.389	0.169	20.63	8.36	0.038	<0.002	0.015	--	0.0014	0.005	0.009	0.007	0.079	0.406	23	1.8
	Oct	1.96	0.37	0.02	24.14	8.69	0.04										13	1.8
33. Ib thermal power station	April	3.64	0.249	0.159	12.12	4.19	0.031	<0.002	0.029	--	0.0014	0.003	0.009	0.005	0.008	0.071	1.8	1.8
	Oct	4.48	0.23	0.01	12.09	3.78	0.10										1.8	1.8
34. Belpahar Area	April	2.52	0.193	0.095	17.81	6.69	0.035	<0.002	0.024	--	0.0017	0.004	0.006	0.003	0.056	0.479	1.8	1.8
	Oct	3.08	0.18	0.02	6.53	1.46	0.05										1.8	1.8
9. PURI(4 stations)																		
35. Hospital-Busstand-Mausima temple area	April	1.4	1.25	0.314	58.6	5.78	0.579	<0.002	0.030	--	0.0013	0.002	0.001	0.004	0.132	0.680	1.8	1.8
	Oct	4.76	1.19	1.78	81.5	42.44	0.15										240	13
36. Near Jagannath Temple	April	3.64	0.17	0.026	74.45	9.19	0.196	<0.002	0.027	--	0.0016	0.007	0.007	0.013	0.049	2.048	1.8	1.8
	Oct	1.96	0.21	0.04	124.2	18.92	0.18										1.8	1.8
37. Near Sea Beach	April	1.68	0.3	0.121	76.9	12.76	0.393	<0.002	0.018	--	0.0014	0.003	0.002	0.005	0.116	1.391	23	1.8
	Oct	3.36	0.32	0.01	139.2	22.18	0.27										79	8
38. Baliapanda	April	1.68	0.989	0.379	58.2	4.01	0.47	<0.002	0.010	--	0.0010	0.010	0.005	0.005	0.042	1.558	1.8	1.8
	Oct	2.8	0.96	0.04	56.75	13.23	0.14										11	1.8
10. SAMBALPUR(3 stations)																		
39. Near Panthanivas	April	12.6	0.256	0.055	30.8	22.11	0.098	<0.002	0.015	--	0.0012	0.002	0.008	0.004	0.007	0.057	1.8	1.8
	Oct	1.68	0.10	0.03	20.34	4.05	0.40										220	7
40. Near Railway station	April	16.8	0.369	0.034	256	11.63	0.112	<0.002	0.020	--	0.0015	0.004	0.008	0.013	0.002	0.057	1.8	1.8
	Oct	2.24	0.19	0.02	35.21	1.29	0.50										1.8	1.8

Stn Name	Month of Monitoring	Total Kjeldahl N, mg/l	Fluoride, mg/l	PO <sub>4</sub> <sup>3-</sup> -P, mg/l	Sodium, mg/l	Potassium, mg/l	Boron, mg/l	Cr (VI), mg/l	Chromium Total, mg/l	Mercury, mg/l	Cadmium, mg/l	Copper, mg/l	Lead, mg/l	Nickel, mg/l	Zinc, mg/l	Iron Total, mg/l	TC, MPN/100 ml	FC, MPN/100 ml
41. Near VSS Medical College	April	17.64	0.509	0.05	19.91	10.92	0.021	<0.002	0.018	--	0.0016	0.004	0.009	0.009	0.024	0.056	1.8	1.8
	Oct	2.8	0.32	0.01	7.29	2.93	0.10										20	1.8
11. TALCHER (7 stations)																		
42. Mahanadi Coal Field Area	April	3.36	0.238	0.038	23.01	10.92	0.017	<0.002	0.024	--	0.0016	0.011	0.008	0.009	0.138	0.903	2	1.8
	Oct	1.68	0.25	0.01	19.02	4.49	0.05										1.8	1.8
43. Kaniha	April	2.24	0.335	0.124	17.12	9.16	0.031	<0.002	0.018	--	0.0011	0.003	0.005	0.003	0.019	0.065	5	1.8
	Oct	2.52	0.34	0.02	25.56	6.19	0.05										1.8	1.8
44. Talcher town	April	3.08	0.35	0.173	36.6	22.26	0.024	<0.002	0.027	--	0.0009	0.017	0.008	0.011	0.116	0.785	1.8	1.8
	Oct	1.96	0.37	0.03	8.82	3.13	0.22										1.8	1.8
45. Meramund ali Area	April	2.52	0.353	0.087	12.21	5.41	0.028	<0.002	0.029	--	0.0011	0.011	0.007	0.004	0.082	0.595	1.8	1.8
	Oct	1.12	0.34	0.04	30.09	10.19	0.04										1.8	1.8
46. Talcher Thermal Area	April	1.12	0.509	0.103	159	63.1	0.101	<0.002	0.030	--	0.0016	0.006	0.008	0.012	0.142	1.037	1.8	1.8
	Oct	1.96	0.48	0.04	73.45	26.31	0.12										920	130
47. Banarpal	April	3.08	0.808	0.117	121	57.15	0.112	<0.002	0.029	--	0.0013	0.006	0.009	0.013	0.124	0.979	1.8	1.8
	Oct	3.36	0.79	0.05	139.2	51.15	0.10										13	1.8
48. Kulad	April	1.4	0.531	0.167	166	65.45	0.073	<0.002	0.032	--	0.0011	0.014	0.009	0.015	0.119	1.056	5	1.8
	Oct	1.4	0.52	0.06	128.6	49.36	0.10										1.8	1.8
Drinking water specification (IS : 10500 (2012))																		
Acceptable Limit		-	1.0	-	-	-	0.5	-	0.05	0.001	0.003	0.05	0.01	0.02	5.0	1.0	Absent	
Permissible limit		-	1.5	-	-	-	1.0	-	No relax	No relax	No relax	1.5	No relax	No relax	15.0	No relax	No relax	