

Ground water Quality Status (Tube well) (2018)

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	7.3	1120	0.6	4.0	15	658	624	316	316	83.2	26.3	145.9	83.58	34.697	ND
	Oct	7.8	1136	0.3	1.7	7.6	642	618	176	320	75.2	32.2	138.9	184.1	10.835	0.224
2. NALCO township	April	8.1	519	0.5	5.9	0.3	326	308	240	216	56	18.5	45.97	20.02	3.682	0.22
	Oct	7.9	703	0.5	3.4	9	386	362	194	246	52.8	27.8	22.2	124.1	7.552	0.224
2. BALASORE (3 stations)																
3. Naigopalpur	April	8.1	131	0.2	2.0	6.4	84	68	64	52	15.2	3.4	7.99	4.85	7.093	0.79
	Oct	7.0	182	0.8	3.4	2	110	92	64	44	12	3.4	7.4	17.16	0.049	ND
4. Kuanrpur	April	8.6	253	0.5	4.0	3.2	145	124	28	62	17.6	4.4	46.97	10.39	2.265	ND
	Oct	7.6	344	0.5	1.7	3.5	186	174	74	68	19.2	4.9	57.4	12.4	1.508	ND
5. Chakulia	April	8.1	339	1.3	2.0	1.4	211	188	102	112	31.2	8.3	39.98	28.98	6.429	0.45
	Oct	6.8	459	0.3	1.7	3	268	248	102	146	43.2	9.3	59.3	47.51	6.920	ND
3. BERHAMPUR (4 stations)																
6. Near Railway station	April	7.9	973	0.4	7.9	2.1	542	512	208	268	68.8	23.4	126.9	88.68	1.533	ND
	Oct	7.4	1545	0.8	9.6	2.3	1012	996	332	356	94.4	29.2	342.6	98.9	32.117	ND
7. MKCG Medical College	April	8.1	736	0.3	13.9	6.2	429	402	180	180	54.4	10.7	111.9	47.14	5.834	ND
	Oct	8.1	854	0.3	11.5	6.5	468	446	244	250	60.8	23.9	101.9	54.72	0.529	0.224
8. Bus stand	April	7.7	1083	0.4	7.9	0.9	629	588	322	296	75.2	26.3	168.9	39.05	8.126	ND
	Oct	7.7	1232	0.6	7.8	13	972	926	398	292	65.6	31.2	342.6	34.7	0.371	0.112
9. Badabazar	April	7.9	904	0.5	5.9	1.6	531	498	86	144	40	10.7	196.9	84.82	0.842	ND
	Oct	7.4	1439	0.5	11.5	2.2	902	842	234	328	75.2	34.1	342.6	76.24	91.553	0.224
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	7.4	624	0.6	5.9	45	406	368	98	108	30.4	7.8	129.94	53.48	7.172	ND
	Oct	5.4	382	0.4	5.1	7.3	202	178	24	98	26.4	7.8	63	47.14	21.476	ND
11. Old town-Samantarapur Area	April	6.8	762	0.4	7.9	0.9	442	402	80	138	36.8	11.2	135.93	94.03	20.283	0.11
	Oct	7.3	658	0.5	3.4	6.6	252	224	206	194	40.8	22.4	42.6	55.1	14.484	0.056
12. Kalpana-Laxmisagar Area,	April	5.8	276	0.4	5.9	2.4	158	132	22	44	14.4	1.9	61.96	15.34	15.385	0.11
	Oct	6.8	624	0.5	6.8	9.3	222	198	104	146	33.6	15.1	17.8	61.69	20.397	ND
13. Chandra sekharpur	April	6.6	84	0.6	5.9	2.2	48	36	22	28	8	1.9	3.99	8.83	4.561	ND
	Oct	6.8	197	0.3	3.4	9.5	146	126	56	84	23.2	6.3	22.2	36.81	3.971	0.336
14. Capital Hospital Area	April	6.7	91	0.7	5.9	17	58	44	18	24	6.4	1.9	15.99	4.28	2.869	ND
	Oct	6.2	263	0.3	5.1	8.4	198	156	36	52	15.2	3.4	52.6	41.16	9.923	0.224
15. Secretariate-Governor House-Old bus stand Area	April	7.2	329	0.6	5.9	24	203	188	120	114	31.2	8.8	37.98	16.04	8.773	0.17
	Oct	6.7	302	0.6	5.1	9.5	192	176	100	120	31.2	10.2	22.2	42.78	5.160	ND
5. CUTTACK (5 stations)																
16. Jagatpur	April	8.2	819	0.2	4.0	3	445	402	186	232	65.6	16.6	85.95	83.58	35.957	ND
	Oct	8.0	689	0.3	3.4	8.8	388	324	190	210	44.8	23.9	76	53.48	36.578	ND
17. Mangalabag	April	8.4	217	0.3	5.9	5.9	143	128	112	118	36.8	6.3	11.99	6.46	6.953	0.11
	Oct	7.8	324	0.6	3.4	11	188	164	106	106	28.8	8.3	22	32.21	0.833	0.112
18. Madhupatna-Kalyan Nagar Area	April	8.0	382	0.3	4.0	0.5	214	188	102	104	32.8	5.4	51.97	17.53	5.729	ND
	Oct	8.2	435	0.4	3.4	14	242	216	116	118	28.8	11.2	50	30.97	0.827	ND

Stn Name	Month of Monitoring	pH	Cond., $\mu\text{S}/\text{cm}$	BOD, mg/l	COD, mg/l	Turbidity, NTU	TDS, mg/l	TFS	Total Alkalinity, mg/l	Total Hardness $\text{CaCO}_3$ , mg/l	Calcium as Ca, mg/l	Magnesium as Mg, mg/l	Chloride, mg/l	Sulphate, mg/l	Nitrate, mg/l	$\text{NH}_4\text{-N}$ , mg/l
19. Badambadi Area	April	8.4	218	0.6	9.9	1.6	136	110	106	108	33.6	5.8	11.99	5.47	5.064	ND
	Oct	7.7	403	0.7	3.4	9.7	262	246	128	114	28.8	10.2	46	35.44	2.639	0.224
20. Bidanasi-Tulsipur Area	April	7.9	153	0.6	4.0	7.4	95	78	74	62	19.2	3.4	7.99	5.72	6.394	ND
	Oct	8.0	175	0.4	5.1	8.2	112	96	58	66	17.6	5.4	7.4	26.36	0.851	0.168
6. Paradeep (JAGATSINGHPUR) (2 stations)																
21. Musadiha	May	7.9	6937	1.4	3.8	0.6	5280	4980	286	56	0	0.0	2998.5	5.34	2.694	0.608
	Oct	7.7	1365	1.7	15.3	1.2	846	816	248	140	33.6	13.6	388.7	16.42	10.288	0.112
22. Badapadia	May	7.8	2960	1.6	5.7	0.2	1880	1760	276	184	56	10.7	929.5	20.52	18.193	ND
	Oct	7.8	1939	1.3	8.5	1.1	1190	1150	260	54	16.8	2.9	629.7	12.81	9.285	0.056
7. Sukinda (JAJPUR) (4 stations)																
23. TISCO	April	8.3	312	0.7	7.9	1.9	179	162	142	132	40	7.8	17.99	2.24	16.387	ND
	Oct	7.8	285	0.3	6.8	8.9	176	146	124	138	35.2	12.2	9.3	30.5	15.455	0.112
24. Saruabil	April	7.0	298	0.2	5.9	19	168	152	124	108	35.2	4.9	23.98	4.97	9.966	ND
	Oct	7.0	257	0.8	3.4	8.5	158	142	76	94	24.8	7.8	22.2	31.96	17.816	ND
25. Kaliapani	April	7.7	234	0.4	7.9	15	132	118	116	88	28	4.4	9.99	4.72	1.137	ND
	Oct	7.5	234	0.2	3.4	8.6	146	128	82	94	25.6	7.3	18.5	29.97	4.872	ND
26. Kamarda	April	7.5	142	0.3	4.0	22	88	70	80	66	19.2	4.4	5.99	0.497	1.119	ND
	Oct	8.1	491	14.6	95.3	8	274	204	170	190	57.6	11.2	18.52	58.95	6.105	ND
8. JHARSUGUDA (8 stations)																
27. Thelkoi	April	7.6	145	0.3	5.9	1.9	88	72	58	62	19.2	3.4	12.99	4.47	0.000	ND
	Oct	6.5	515	0.3	5.8	12	292	274	40	126	34.4	9.7	115.7	34.7	34.478	0.224
28. Bhurkhamunda	April	8.1	314	0.3	7.9	13	176	158	156	128	33.6	10.7	13.99	6.34	2.396	ND
	Oct	6.1	198	0.2	7.7	7	124	106	42	46	13.6	2.9	27.8	18.06	14.940	0.168
29. Badamal Industrial Estate	April	8.0	189	0.3	7.9	1.3	102	88	62	52	16.8	2.4	16.99	5.72	15.219	ND
	Oct	6.1	119	0.5	5.8	8	72	52	40	36	11.2	1.9	11.1	4.35	17.372	ND
30. Budhipadar	April	7.8	157	0.1	7.9	4.8	88	78	48	44	13.6	2.4	15.99	3.48	28.572	ND
	Oct	5.9	176	0.4	5.8	7.9	106	94	40	40	12	2.4	27.8	7.33	16.125	ND
31. Brajarajnar Mining Belt	April	7.9	138	0.2	7.9	2.6	79	66	44	40	12.8	1.9	11.99	4.97	16.387	ND
	Oct	6.5	325	0.4	7.7	29	196	182	156	124	27.2	13.6	24.1	5.97	2.335	ND

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
32. Rampur (water tank)	April	8.1	187	1.8	17.8	13	108	88	82	64	19.2	3.9	10.99	8.83	2.578	ND
	Oct	6.6	329	0.5	5.8	34	194	180	152	122	26.4	13.6	24.1	5.09	0.827	ND
33. Ib thermal power station	April	8.2	294	0.6	7.9	6.4	162	132	122	96	27.2	6.8	24.98	4.47	2.651	ND
	Oct	6.7	333	0.4	7.7	34	192	168	162	126	29.6	12.7	22.2	4.85	0.675	ND
34. Belpahar Area	April	7.9	177	0.6	13.9	1.7	101	78	44	60	18.4	3.4	13.99	20.55	2.621	ND
	Oct	6.9	705	0.4	5.8	14	382	352	154	150	39.2	12.7	120.4	24	1.788	ND
9. PURI (4 stations)																
35. Hospital-Bus stand- Mausima temple area	April	8.5	398	0.2	4.0	3.2	254	222	186	182	53.6	11.7	34.98	7.21	2.370	ND
	Oct	7.6	1122	0.8	10.2	7.4	632	598	300	310	75.2	29.7	148.2	75.99	14.012	0.336
36. Near Jagannath Temple	April	8.3	1013	0.4	7.9	5.5	561	512	260	264	65.6	24.4	139.9	48.38	49.391	ND
	Oct	8.0	1051	0.2	3.4	8.6	640	610	144	80	20.8	6.8	224.5	76.99	2.904	0.224
37. Near Sea Beach,	April	8.2	18510	0.5	11.9	3.4	12850	12460	218	2000	320	292.4	6996.5	631.34	14.406	ND
	Oct	8.1	2480	0.2	3.4	5.6	1570	1520	148	344	38.4	60.4	611.2	258	23.677	0.224
38. Baliapanda	April	8.4	335	0.6	5.9	1.9	186	168	46	44	13.6	2.4	69.9	9.65	6.446	ND
	Oct	7.0	594	0.7	5.1	30	346	304	144	156	39.2	14.1	61.1	73.26	1.548	0.336
10. SAMBALPUR (3 stations)																
39. Near Panthanivas	April	8.0	466	0.6	7.9	9.8	252	232	110	120	38.4	5.8	54.97	31.34	21.057	ND
	Oct	6.8	375	0.4	7.7	11	212	184	64	122	32.8	9.7	48.1	40.4	31.505	ND
40. Near Railway station	April	8.1	1268	0.4	9.9	1.2	758	702	228	320	99.2	17.5	214.89	131.2	25.507	ND
	Oct	7.5	1164	0.2	11.5	2.5	762	724	160	420	128	24.4	260.2	136.2	31.548	ND
41. Near VSS Medical College, Burla	April	8.3	688	1.3	7.9	32	395	376	260	244	68.8	17.5	68.96	21.02	2.359	ND
	Oct	7.8	724	0.4	13.4	60	402	376	200	228	51.2	24.4	61.1	81.84	17.029	ND
11. TALCHER (7 stations)																
42. Mahanadi Coal Field Area	April	7.3	395	0.4	4.0	8.4	236	206	98	140	36.8	11.7	27.98	68.4	6.647	ND
	Oct	8.0	571	0.2	3.4	150	312	268	80	140	28.8	16.6	24.1	137.6	4.429	0.112
43. Kaniha	April	7.6	515	0.4	2.0	0.6	284	240	272	232	51.2	25.3	13.99	7.83	3.595	ND
	Oct	8.5	538	0.2	1.7	8.6	358	346	120	192	51.2	15.6	57.4	106.6	4.793	0.448

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
44. Talcher town	April	7.0	927	0.2	5.9	9.2	558	502	200	228	54.4	22.4	165.92	66.91	42.884	ND
	Oct	8.4	989	0.5	6.8	14	642	588	232	348	89.6	30.2	92.6	193.9	19.804	0.336
45. Meramundali Area	April	7.8	1037	0.3	2.0	0.3	619	588	436	432	108.8	39.0	69.96	74.74	19.898	0.33
	Oct	8.1	920	0.7	3.4	7.9	502	418	236	256	59.2	26.3	83.3	106.6	8.646	0.056
46. Talcher Thermal Area	April	7.3	1646	0.4	9.9	52	921	846	280	356	81.6	37.0	273.86	153.85	5.335	0.11
	Oct	7.9	1383	0.2	3.4	130	758	724	216	326	74.4	34.1	222.2	142.22	2.469	0.224
47. Banarpal	April	7.4	901	0.2	2.0	0.6	532	486	268	284	76.8	22.4	96.95	85.2	22.732	0.67
	Oct	7.9	993	0.4	3.4	12	552	502	142	292	67.2	30.2	106.5	180.6	0.468	0.448
48. Kulad	April	7.9	736	0.3	4.0	4.3	418	388	142	224	56	20.5	72.96	111.07	41.834	ND
	Oct	8.5	611	0.3	1.7	14	402	346	88	176	48	13.6	69.4	137.6	2.055	0.224
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	1.12	0.430	0.169	99.9	13.54	0.105	<0.002	0.008	0.00032	0.0015	0.005	0.009	0.013	0.064	0.179	23	4.5
	Oct	12.32	0.325	0.001	91.55	3.72	0.24	--	--	--	--	--	--	--	--	--	<1.8	<1.8
2. NALCO township	April	1.68	0.520	2.078	29.46	5.86	0.035	<0.002	0.015	0.00019	0.0008	0.003	0.002	0.002	0.011	0.250	<1.8	<1.8
	Oct	5.04	0.496	0.019	32.25	3.19	0.21	--	--	--	--	--	--	--	--	--	4.5	4.5
2. BALASORE (3 stations)																		
3. Naigopalpur	April	5.6	0.330	0.166	5.43	1.93	0.021	<0.002	0.005	0.00025	0.0006	0.005	0.007	0.007	0.006	1.387	<1.8	<1.8
	Oct	1.68	0.264	0.074	19.87	1.65	0.58	--	--	--	--	--	--	--	--	--	33	<1.8
4. Kuanrpur	April	0.56	5.100	0.167	29.95	6.83	0.446	<0.002	0.009	0.00063	0.0013	0.004	0.007	0.007	0.033	1.576	4.5	2
	Oct	1.68	4.370	0.062	42	1.65	0.55	--	--	--	--	--	--	--	--	--	23	<1.8
5. Chakulia	April	2.8	0.320	0.007	24.98	8.54	0.014	<0.002	0.011	0.00070	0.0009	0.002	0.009	0.009	0.014	0.128	<1.8	<1.8
	Oct	1.68	0.077	0.047	36.5	1.32	0.61	--	--	--	--	--	--	--	--	--	13	<1.8
3. BERHAMPUR (4 stations)																		
6. Berhampur near Railway station	April	0.56	0.330	0.051	82.95	17.9	0.039	0.007	0.018	<0.00006	0.0008	0.013	0.008	0.015	0.093	0.301	<1.8	<1.8
	Oct	3.92	0.841	0.031	231	1.2	0.08										<1.8	<1.8
7. MKCG medical College	April	1.68	1.500	0.039	78.25	11.25	0.011	0.002	0.011	0.00051	0.0007	0.006	0.007	0.009	0.066	2.351	<1.8	<1.8
	Oct	0.28	2.370	0.132	65.8	3.85	0.12	--	--	--	--	--	--	--	--	--	<1.8	<1.8
8. Bus stand	April	0.28	0.400	0.081	107.6	12.01	0.046	0.007	0.038	<0.00006	0.0008	0.009	0.007	0.015	0.057	0.321	<1.8	<1.8
	Oct	3.36	0.743	0.023	253.5	1.7	0.16	--	--	--	--	--	--	--	--	--	<1.8	<1.8
9. Badabazar	April	0.28	0.280	0.044	123.8	13.34	0.109	0.005	0.0021	0.00006	0.0004	0.004	0.007	0.015	0.081	0.541	<1.8	<1.8
	Oct	3.36	0.289	0.001	204.5	2.99	0.04	--	--	--	--	--	--	--	--	--	<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	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	0.56	0.130	0.015	88.6	20.3	0.046	0.008	0.023	0.00006	0.0004	0.008	0.009	0.009	0.086	9.476	<1.8	<1.8
	Oct	1.12	0.126	0.004	30.15	3.98	0.01	--	--	--	--	--	--	--	--	--	<1.8	<1.8
11. Old town-Samantarapur Area	April	1.68	0.100	0.014	91.85	14.3	0.042	0.017	0.037	<0.00006	0.0007	0.011	0.005	0.008	0.078	0.332	<1.8	<1.8
	Oct	2.24	0.579	0.244	37.00	11.52	0.05	--	--	--	--	--	--	--	--	--	<1.8	<1.8
12. Kalpana-Laxmisagar Area	April	2.24	0.160	0.015	36.02	5.34	0.014	0.027	0.041	0.00013	0.0006	0.007	0.009	0.009	0.069	1.061	<1.8	<1.8
	Oct	2.24	0.109	0.001	13.62	7.4	0.05	--	--	--	--	--	--	--	--	--	<1.8	<1.8
13. Chandrasekharapur	April	1.12	0.180	0.013	2.91	1.11	0.014	0.017	0.027	<0.00006	0.0004	0.005	0.007	0.008	0.054	0.597	<1.8	<1.8
	Oct	1.12	0.166	0.007	10.01	1.38	0.09	--	--	--	--	--	--	--	--	--	<1.8	<1.8
14. Capital Hospital Area	April	1.68	0.100	0.013	10.43	2.6	0.025	0.023	0.033	0.00006	0.0007	0.007	0.005	0.003	0.065	2.489	<1.8	<1.8
	Oct	2.24	0.143	0.003	44.6	6.06	0.04	--	--	--	--	--	--	--	--	--	350	130
15. Secretariate-Governor House-Old bus stand Area	April	3.92	0.160	0.017	24.25	6.7	0.039	0.017	0.037	0.00070	0.0004	0.005	0.004	0.002	0.077	7.120	920	540
	Oct	3.36	0.158	0.008	11.09	7.08	0.07	--	--	--	--	--	--	--	--	--	<1.8	<1.8
5. CUTTACK (5 stations)																		
16. Jagatpur	April	1.12	0.370	0.148	58.6	9.71	0.053	0.003	0.023	0.00006	0.0004	0.006	0.010	0.009	0.022	0.663	<1.8	<1.8
	Oct	2.24	0.229	0.014	54.4	2.63	0.13	--	--	--	--	--	--	--	--	--	<1.8	<1.8
17. Mangalabag	April	1.68	0.380	0.066	7.4	3.61	0.005	0.003	0.028	0.00006	0.0004	0.007	0.007	0.007	0.067	0.959	4.5	<1.8
	Oct	6.72	0.296	0.001	18.36	8.94	0.14	--	--	--	--	--	--	--	--	--	33	6.8
18. Madhupatna-Kalyan Nagar Area	April	0.56	0.240	0.1	32.72	5.13	0.039	<0.002	0.008	0.00036	0.0003	0.006	0.010	0.006	0.037	0.887	<1.8	<1.8
	Oct	3.92	0.188	0.028	38.55	5.11	0.14	--	--	--	--	--	--	--	--	--	<1.8	<1.8
19. Badambadi Area	April	0.56	0.300	0.072	8.1	3.99	0.004	0.028	0.016	0.00013	0.0005	0.004	0.008	0.010	0.062	0.362	<1.8	<1.8
	Oct	4.76	0.202	0.007	33.6	16.17	0.12	--	--	--	--	--	--	--	--	--	<1.8	<1.8
20. Bidanasi-Tulsipur Area	April	1.68	0.330	0.056	5.22	1.85	0.011	<0.002	0.011	0.00006	0.0005	0.007	0.007	0.007	0.054	1.107	<1.8	<1.8
	Oct	4.76	0.155	0.022	11.37	2.01	0.09	--	--	--	--	--	--	--	--	--	<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
6. Paradeep (JAGATSINGHPUR) (2 stations)																		
21. Musadiha	May	2.24	1.3	0.007	2010	56.5	0.133	0.002	0.008	<0.00006	0.0012	0.004	0.004	0.008	0.018	0.500	<1.8	<1.8
	Oct	12.32	0.504	0.047	280	16.8	1.00	--	--	--	--	--	--	--	--	--	<1.8	<1.8
22. Badapadia	May	0.056	0.69	0.019	625	43.2	0.081	<0.002	0.008	<0.00006	0.0016	0.004	0.004	0.007	0.021	0.400	<1.8	<1.8
	Oct	4.48	1.250	0.087	474.3	19.2	1.45	--	--	--	--	--	--	--	--	--	13	<1.8
7. Sukinda (JAJPUR) (4 stations)																		
23. TISCO	April	1.12	0.200	0.498	12.09	4.63	0.007	<0.002	0.017	0.00006	0.0006	0.005	0.002	0.013	0.017	0.724	1600	540
	Oct	0.56	0.136	0.009	6.76	0.26	0.03	--	--	--	--	--	--	--	--	--	4.5	<1.8
24. Saruabil	April	0.56	0.170	0.031	14.8	3.76	0.011	<0.002	0.021	0.00025	0.0007	0.006	0.007	0.009	0.048	2.621	<1.8	<1.8
	Oct	2.8	0.186	0.022	16.71	3.34	0.01	--	--	--	--	--	--	--	--	--	<1.8	<1.8
25. Kaliapani	April	0.56	0.190	0.221	6.4	2.66	0.007	0.003	0.019	0.00025	0.0007	0.004	0.006	0.011	0.024	0.862	7.8	<1.8
	Oct	0.56	0.206	0.031	10.85	0.26	0.01	--	--	--	--	--	--	--	--	--	<1.8	<1.8
26. Kamarda	April	0.56	0.150	0.129	3.86	1.29	0.007	<0.002	0.017	0.00013	0.0009	0.006	0.005	0.009	0.051	5.324	<1.8	<1.8
	Oct	0.56	0.166	0.038	14.48	2.8	0	--	--	--	--	--	--	--	--	--	79	4.5
8. JHARSUGUDA (8 stations)																		
27. Thekoi	April	0.56	0.390	0.014	7.16	1.89	0.011	<0.002	0.012	0.00019	0.0006	0.005	0.007	0.006	0.042	1.295	<1.8	<1.8
	Oct	0.28	0.220	0.137	54	4.55	0	--	--	--	--	--	--	--	--	--	<1.8	<1.8
28. Bhurkhamunda	April	0.56	0.440	0.002	8.86	2.77	0.018	<0.002	0.007	0.00006	0.0007	0.004	0.009	0.006	0.124	1.046	<1.8	<1.8
	Oct	6.72	0.157	0.092	23.62	4.21	<0.003	--	--	--	--	--	--	--	--	--	<1.8	<1.8
29. Badamal Industrial Estate	April	0.56	0.420	0.007	10.68	4.11	0.004	0.003	0.011	0.00019	0.0006	0.011	0.009	0.008	0.105	0.739	<1.8	<1.8
	Oct	2.24	0.159	0.019	10.02	2.76	<0.003	--	--	--	--	--	--	--	--	--	<1.8	<1.8
30. Budhipadar	April	1.12	0.430	0.005	10.9	3.65	0.021	0.003	0.011	0.00013	0.0004	0.016	0.009	0.006	0.050	0.163	<1.8	<1.8
	Oct	4.48	0.168	0.058	20.8	4.16	<0.003	--	--	--	--	--	--	--	--	--	<1.8	<1.8
31. Brajarajnar Mining Belt	April	0.56	0.440	0.004	7.4	2.66	ND	<0.002	0.005	0.00051	0.0003	0.006	0.002	0.011	0.020	2.723	<1.8	<1.8
	Oct	1.68	0.210	0.098	19.11	5.98	<0.003	--	--	--	--	--	--	--	--	--	79	22
32. Rampur (water tank)	April	2.24	0.420	0.006	7.38	3.06	ND	<0.002	0.007	<0.00006	0.0005	0.007	0.004	0.009	0.009	0.071	<1.8	<1.8
	Oct	6.72	0.208	0.015	19.57	5.85	<0.003	--	--	--	--	--	--	--	--	--	<1.8	<1.8
33. Ib thermal power station	April	1.12	0.510	0.001	15.66	5.45	0.042	0.003	0.02	0.00076	0.0004	0.003	0.005	0.008	0.019	1.709	540	240
	Oct	5.6	0.210	0.044	18.07	6.48	<0.003	--	--	--	--	--	--	--	--	--	<1.8	<1.8
34. Belpahar Area	April	0.56	0.500	0.005	9.51	3.11	ND	<0.002	0.015	0.00032	0.0006	0.003	0.004	0.008	0.050	1.647	920	540
	Oct	5.6	0.208	0.016	78.5	8.24	<0.003	--	--	--	--	--	--	--	--	--	<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
9. PURI (4 stations)																		
35. Hospital-Bus stand-Mausima temple area	April	8.96	0.380	0.215	22.42	6.34	0.154	<0.002	0.011	0.00013	0.0006	0.005	0.004	0.004	0.034	3.131	<1.8	<1.8
	Oct	3.08	0.341	0.06	95.5	20.8	0.13	--	--	--	--	--	--	--	--	--	<1.8	<1.8
36. Near Jagannath Temple	April	1.12	0.290	3.394	94.5	14.1	0.249	0.002	0.008	0.00013	0.0008	0.005	0.003	0.006	0.069	1.974	<1.8	<1.8
	Oct	3.92	0.327	0.017	182.5	38	0.51	--	--	--	--	--	--	--	--	--	<1.8	<1.8
37. Near Sea Beach	April	2.24	0.210	2.216	4210	260		0.007	0.018	<0.00006	0.0008	0.005	0.003	0.006	0.022	1.408	<1.8	<1.8
	Oct	4.48	0.311	0.014	426.5	70.5	0.19	--	--	--	--	--	--	--	--	--	13	<1.8
38. Baliapanda	April	7.84	0.340	0.366	45.6	9.43	0.119	<0.002	0.013	<0.00006	0.0006	0.004	0.004	0.008	0.055	0.627	<1.8	<1.8
	Oct	5.6	0.333	0.043	51.5	7.5	0.13	--	--	--	--	--	--	--	--	--	<1.8	<1.8
10. SAMBALPUR (3 stations)																		
39. Near Panthanivas	April	0.56	0.300	1.291	35.85	8.41	0.011	<0.002	0.007	0.00038	0.0007	0.008	0.010	0.003	0.097	7.181	<1.8	<1.8
	Oct	5.6	0.360	0.068	23.45	3.79	0.05	--	--	--	--	--	--	--	--	--	<1.8	<1.8
40. Near Railway station	April	0.56	0.290	0.007	131.8	12.61	0.014	<0.002	0.008	0.00044	0.0006	0.005	0.028	0.003	0.008	0.092	<1.8	<1.8
	Oct	2.24	0.329	0.028	100.2	4.81	0.16	--	--	--	--	--	--	--	--	--	<1.8	<1.8
41. Near VSS Medical College	April	0.28	0.290	0.113	44.49	10.74	0.007	<0.002	0.012	0.00025	0.0006	0.004	0.013	0.004	0.019	7.007	<1.8	<1.8
	Oct	2.24	0.172	0.097	48.8	7.63	<0.003	--	--	--	--	--	--	--	--	--	23	<1.8
11. TALCHER (7 stations)																		
42. Mahanadi Coal Field Area	April	0.28	0.440	1.623	18.8	5.49	0.025	<0.002	0.005	0.00013	0.0006	0.010	0.003	0.002	0.048	1.153	<1.8	<1.8
	Oct	3.92	0.116	0.001	42.15	9.99	0.26	--	--	--	--	--	--	--	--	--	<1.8	<1.8
43. Kaniha	April	1.12	0.500	0.177	9.2	3.81	0.06	<0.002	0.005	0.00013	0.0013	0.021	0.011	0.006	0.157	0.816	<1.8	<1.8
	Oct	2.24	0.237	0.005	48.3	1.8	0.07	--	--	--	--	--	--	--	--	--	<1.8	<1.8
44. Talcher town	April	0.56	0.540	0.084	105	8.81	0.144	0.003	0.007	0.00006	0.0020	0.038	0.012	0.018	0.254	1.224	<1.8	<1.8
	Oct	5.6	0.169	0.003	80.25	8.21	0.25	--	--	--	--	--	--	--	--	--	<1.8	<1.8
45. Meramundali Area	April	5.04	0.830	0.301	45.6	7.55	0.06	0.005	0.015	0.00006	0.0013	0.004	0.012	0.005	0.026	1.352	<1.8	<1.8
	Oct	3.36	0.985	0.011	74.7	1.66	0.15	--	--	--	--	--	--	--	--	--	<1.8	<1.8
46. Talcher Thermal Area	April	1.12	0.580	1.266	183.7	11.89	0.207	0.002	0.015	0.00032	0.0015	0.012	0.015	0.018	0.246	6.752	<1.8	<1.8
	Oct	7.84	0.717	0.003	147	2.16	<0.003	--	--	--	--	--	--	--	--	--	<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
47. Banarpal	April	6.16	0.640	0.157	65.25	14.39	0.046	<0.002	0.012	0.00019	0.0017	0.005	0.015	0.008	0.007	0.959	<1.8	<1.8
	Oct	5.6	0.486	0.009	71.4	5.43	0.09	--	--	--	--	--	--	--	--	--	<1.8	<1.8
48. Kulad	April	0.28	1.700	0.076	49.25	7.28	0.098	<0.002	0.007	0.00013	0.0015	0.140	0.014	0.009	0.161	1.556	<1.8	<1.8
	Oct	7.28	1.530	0.006	62.4	8.71	0.06	--	--	--	--	--	--	--	--	--	<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	

