

RIVER KERANDI (INTAKE WELL OF NALCO REFINARY, HAL, SUNABEDA)

Month	Year	Temp., °C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., µS/cm	Nitrate- N, mg/l	NH ₄ -N, mg/l
Jan	2010	21	6.4	7.1	1.4	10.7	194.7	0.128	2.31
April		29	6.5	6.9	0.8	10.1	124	0.241	0.232
July		28	7.4	6	0.9	17	113	0.346	0.448
Oct		23	7.24	6.7	1.6	9.8	97.5	0.566	1.064
Min		21	6.4	6	0.8	9.8	97.5	0.128	0.232
Max		29	7.4	7.1	1.6	17	194.7	0.566	2.31
Average		25.25	6.9	6.7	1.2	11.9	132.3	0.32	1.01

TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l	s CaCO ₃ , mg/l
1700	1100	6.6	0.52	B	0.049	78	0	36
390	110	6.1	0.65	B	0.016	38	ND	40
2400	1300				0.030	22	0	42
2800	1300	5.7	0.42	C	0.005	20	0	28
390	110	5.7	0.42		0.005	20	0	28
2800	1300	6.6	0.65		0.049	78	0	42
1822.5	953	6.1	0.5		0.023	39.5	0	36.5

Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Flouride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l	TDS, mg/l
20	16	12.9	6.4	0.113	0.107	8.4	33	112
24	16	7	6.117	0.037	0.125	18.76	64	30
32	10	5	33.71	0.092	0.109	5.04	62	68
16	12	6.6	10.1	0.039	0.327	3.08	20	51
16	12	5	6.117	0.037	0.107	3.08	20	30
32	16	12.9	33.71	0.113	0.327	18.76	64	112
23.0	14.6667	7.875	14.08	0.07	0.17	8.82	44.75	65.25

TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmiu m, micro gm/l	Copper, micro gm/l	Lead, micro gm/l	m Total, micro gm/l
96	15	8.65	1.94	0.013	6.1	1.6	9.2	31.4
58	49	5.2	1.2	0.082	2.16	6.66	8.08	29
90	54.6	2.9	1.9	0.003	2.4	1.5	7.9	16
68	23	3.9	1.3	0.02	2.9	2.2	3.4	5
58	15	2.9	1.2	0.003	2.16	1.5	3.4	5
96	49	8.65	1.94	0.082	6.1	6.66	9.2	31.4
78.0	29	5.16	1.585	0.03	3.39	2.99	7.15	20.4

Nickel, micro gm/l	Zinc, micro gm/l	Mercury, micro gm/l	Iron Total, micro gm/l
6	11.7	0.02	8630
2.08	9.58	ND	2434
1.6	6	BDL	10480
3.6	5.2	BDL	1752
1.6	5.2	0.02	1752
6	11.7	0.02	8630
3.3	8.1	0.02	4272

spc board,
orissa

data for
the month