

Muniguda (D/s of M/s Vedanta
Alumina Project)

Month	Year	Temp., °C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., µS/cm	Nitrate- N, mg/l
Jan	2010	26	7.89	7.1	0.8	6.1	173	0.098
Apr		35	7.4	6.4	0.9	6.8	200	0.077
July		28	7.6	6.2	1.5	14.3	146	0.948
Oct		26	8.2	6.6	0.9	6.6	196	0.428
Min		26	7.4	6.2	0.8	6.1	146	0.077
Max		35	8.2	7.1	1.5	14.3	200	0.948
Average		28.75	7.8	6.6	1.0	8.45	178.75	0.38775

Gunupur (Interstate Boundry)

Month	Year	Temp., °C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., µS/cm	Nitrate- N, mg/l
Jan	2010	23	7.93	8.2	1.8	9.1	172.2	0.337
Apr		32	8.1	7.7	1.1	16.9	332	0.079
July		29	8	6.8	1.8	15.5	158	0.356
Oct		24	7.9	6.1	1	6.6	194	0.566
Min		23	7.9	6.1	1.0	6.6	158	0.079
Max		32	8.1	8.2	1.8	16.9	332	0.566
Average		27	8.0	7.2	1.4	12.025	214.05	0.3345

NH ₄ -N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.99	940	220	6.6	0.51	B	0.006	100	2
1.344	200	80	5.25	0.67	C	0.276	108	ND
0.168	2100	1700				0.028	42	0
1.176	3500	1700	5	0.52	C	0.025	72	0
0.168	200	80	5	0.51		0.006	42	0
1.344	3500	1700	6.6	0.67		0.276	108	2
0.9195	1685	925	5.61667	0.56667		0.10233	80.5	0.66667

NH ₄ -N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
2.75	580	230	6.7	0.52	B	0.01	80	0
1.344	310	130	6.16	0.56	B	0.016	160	ND
0.336	1400	940				0.051	46	0
0.952	5400	2200	6.2	0.51	B	0.01	48	0
0.336	310	130	6.16	0.51	0	0.01	46	0
2.75	5400	2200	6.7	0.56	0	0.016	160	0
1.3455	1923	875	6.35333	0.53	#DIV/0!	0.012	83.5	0

s	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
72	56	16	12	1.34	0.067	0.207	4.48	39
84	64	20	16	5.073	0.105	0.231	12.32	35
72	42	30	12	36.7	0.06	0.216	7.28	98
62	40	22	13.6	5.8	0.048	0.137	3.08	105
62	40	16	12	1.34	0.048	0.137	3.08	35
84	64	22	16	36.7	0.105	0.231	12.32	105
72.5	50.5	19.3333	13.4	12.2283	0.07	0.19775	6.79	69.25

s	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
84	64	20	16	6.12	0.096	0.203	19.6	103
124	80	44	34	2.835	0.145	0.212	11.76	29
70	46	24	9	46.69	0.111	0.259	11.76	104
62	36	26	12.5	10.1	0.114	0.182	4.2	101
62	36	20	9	2.835	0.096	0.182	4.2	29
124	80	44	34	46.69	0.145	0.259	19.6	104
85	56.5	30	17.875	16.4363	0.1165	0.214	11.83	84.25

TDS, mg/l	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
92	80	27	7.7	1.34	0.041	6.2	1.8	9.5
126	104	17	10.5	4	0.062	3.7	8.8	7
464	504	134.5	8.5	2.8	0.01	3.4	2.3	5.3
35	128	31.5	8.1	1.8	0.027	3.4	0.8	1.5
35	80	17	7.7	1.34	0.01	3.4	0.8	1.5
464	504	31.5	10.5	4	0.062	6.2	8.8	9.5
179.25	204	25.1667	8.7	2.485	0.035	4.175	3.425	5.825

TDS, mg/l	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
92	82	75	10.8	2.68	0.058	6.6	4.4	7.3
196	162	24	24.2	3.9	0.089	3.4	2.7	5.1
232	304	115.1	6.5	3.6	0.02	3.2	3	4.9
107	188	107.2	7.4	2.7	0.309	2.8	0.4	0.8
92	82	24	6.5	2.68	0.02	2.8	0.4	0.8
232	304	107.2	24.2	3.9	0.309	6.6	4.4	7.3
156.75	184	68.7333	12.225	3.22	0.119	4	2.625	4.525

m Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Mercury, micro gm/l	Total, micro gm/l
51.4	8.5	19.5	0.012	1900
19	BDL	11.2	ND	653
32	2	6.1	BDL	12770
9	3.4	7.4	BDL	926
9	2	6.1	0.012	
51.4	8.5	19.5	0.012	
27.85	4.63333	11.05	0.012	

m Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Mercury, micro gm/l	Total, micro gm/l
45	8.8	10.7	0.14	5840
29	1.7	4.5	ND	869
32	2.3	7	BDL	12990
14	2.3	1.4	BDL	384
14	1.7	1.4	0.14	
45	8.8	10.7	0.14	
30	3.775	5.9	0.14	