

DURGA CEMENT WORKS

A Unit of Andhra Cements Limited
Gamalapadu(V), Dechepalli(M), Dist- Guntur
Andhra Pradesh

AMBIENT AIR QUALITY MONITORING REPORT MONTH OF APRIL 2014

LOCATION -1 NEAR MINE PIT-1, (CROSS WIND)

S.N		PM-2.5 $\mu\text{g}/\text{m}^3$	PM-10 $\mu\text{g}/\text{m}^3$	SO ₂ $\mu\text{g}/\text{m}^3$	NO ₂ $\mu\text{g}/\text{m}^3$
1	MAX.	32.25	62.09	8.10	11.56
2	MIN.	19.64	45.57	3.79	7.96
3	AVG.	27.11	54.91	6.27	10.02
4	STD DEV.	4.43	4.90	1.43	1.41
5	COFF. OF VARIATION	0.16	0.09	0.23	0.14
6	98 PERCENTILE	32.18	61.75	8.02	11.55

LOCATION -2 NEAR NAGULERU RIVER PUMP HOUSE, (CROSS WIND)

S.N		PM-2.5 $\mu\text{g}/\text{m}^3$	PM-10 $\mu\text{g}/\text{m}^3$	SO ₂ $\mu\text{g}/\text{m}^3$	NO ₂ $\mu\text{g}/\text{m}^3$
1	MAX.	27.85	47.74	5.14	8.74
2	MIN.	16.43	36.74	2.99	5.39
3	AVG.	22.31	43.7225	4.25	7.04
4	STD DEV.	4.18	4.12	0.81	1.32
5	COFF. OF VARIATION	0.19	0.09	0.19	0.19
6	98 PERCENTILE	27.67	47.63	5.13	8.68

LOCATION -3 NEAR CPP (TOWARDS GAMALAPADU VILLAGE), (UP WIND)

S.N		PM-2.5 $\mu\text{g}/\text{m}^3$	PM-10 $\mu\text{g}/\text{m}^3$	SO ₂ $\mu\text{g}/\text{m}^3$	NO ₂ $\mu\text{g}/\text{m}^3$
1	MAX.	34.69	64.96	7.64	10.93
2	MIN.	23.22	51.62	4.01	6.71
3	AVG.	29.52	55.92	6.20	9.35
4	STD DEV.	3.80	4.29	1.06	1.56
5	COFF. OF VARIATION	0.13	0.08	0.17	0.17
6	98 PERCENTILE	34.46	63.97	7.55	10.92

LOCATION -4 COLONY AREA (TOWARDS SRI NAGAR VILLAGE),(DOWN WIND)

S.N		PM-2.5 $\mu\text{g}/\text{m}^3$	PM-10 $\mu\text{g}/\text{m}^3$	SO ₂ $\mu\text{g}/\text{m}^3$	NO ₂ $\mu\text{g}/\text{m}^3$
1	MAX.	28.49	47.94	6.58	9.07
2	MIN.	17.02	34.48	3.18	5.69
3	AVG.	21.69	43.11	4.15	7.13
4	STD DEV.	3.79	4.12	1.24	1.29
5	COFF. OF VARIATION	0.17	0.10	0.30	0.18
6	98 PERCENTILE	27.92	47.61	6.35	8.99

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Durgapuram,Dachepalli

DIST. Guntur (AP)

NOISE LEVEL MONITORING REPORT MONTH OF APRIL 2014

1. Colony area

	Day Time dB(A)	Night Time dB(A)
Max.	43.20	42.20
Min.	41.50	41.10
Avg.	42.34	41.68
Std.Dev	0.67	0.43
Coff.of Variation	0.02	0.01
98 percentile	43.17	42.18

2. Near Time Office

	Day Time dB(A)	Night Time dB(A)
Max.	52.60	51.30
Min.	48.10	46.70
Avg.	51.40	49.52
Std.Dev.	1.92	2.09
Coff.of Variation	0.04	0.04
98 percentile	52.60	51.29

3.Near Mine Office

	Day Time dBA	Night Time dBA
Max.	54.8	52.6
Min.	51.6	51.1
Avg.	53.2	52.0
Std.Dev.	1.22	0.73
Coff.of Variation	0.02	0.01
98 percentile	54.7	52.6

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STACK MONITORING REPORT MONTH OF APRIL 2014

S.N		RABH mg/Nm ³	COOLER ESP mg/Nm ³	COAL MILL mg/Nm ³	CEMENT MILL- 1 mg/Nm ³	CEMENT MILL- 2 mg/Nm ³
1	MAX.	18.36	29.17	14.06	13.59	16.55
2	MIN.	13.08	14.60	9.59	9.82	10.97
3	AVG.	15.66	20.38	11.29	11.71	13.282
4	STD DEV.	2.64	7.74	2.42	2.67	2.17
5	COFF. OF VARIATION.	0.17	0.38	0.21	0.23	0.16
6	98 PERCENTILE	18.25	28.70	13.91	13.51	16.36