

## DURGA CEMENT WORKS

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

### AMBIENT AIR QUALITY MONITORING REPORT MONTH OF JUNE 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 <sub>2</sub> $\mu\text{g}/\text{m}^3$	NO <sub>2</sub> $\mu\text{g}/\text{m}^3$
1	MAX.	27.1	57.96	6.63	10.52
2	MIN.	19.03	48.47	3.19	4.93
3	AVG.	23.43	53.34	5.41	8.83
4	STD DEV.	2.55	3.49	1.22	1.87
5	COFF. OF VARIATION	0.11	0.07	0.22	0.21
6	98 PERCENTILE	26.91	57.75	6.62	10.50

#### 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 <sub>2</sub> $\mu\text{g}/\text{m}^3$	NO <sub>2</sub> $\mu\text{g}/\text{m}^3$
1	MAX.	23.05	49.64	6.78	9.85
2	MIN.	18.74	37.82	2.96	5.51
3	AVG.	21.24	44.21	4.76	7.54
4	STD DEV.	1.56	4.61	1.35	1.48
5	COFF. OF VARIATION	0.07	0.10	0.28	0.20
6	98 PERCENTILE	22.99	49.55	6.69	9.71

#### 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 <sub>2</sub> $\mu\text{g}/\text{m}^3$	NO <sub>2</sub> $\mu\text{g}/\text{m}^3$
1	MAX.	29.21	60.66	8.86	12.11
2	MIN.	25.82	51.25	4.24	7.99
3	AVG.	27.15	54.33	6.71	10.44
4	STD DEV.	1.28	3.27	1.42	1.29
5	COFF. OF VARIATION	0.05	0.06	0.21	0.12
6	98 PERCENTILE	29.07	60.07	8.72	12.01

#### 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 <sub>2</sub> $\mu\text{g}/\text{m}^3$	NO <sub>2</sub> $\mu\text{g}/\text{m}^3$
1	MAX.	24.57	47.73	7.30	10.75
2	MIN.	17.02	39.96	3.19	5.98
3	AVG.	21.06	44.34	4.83	8.16
4	STD DEV.	2.49	2.65	1.28	1.60
5	COFF. OF VARIATION	0.12	0.06	0.26	0.20
6	98 PERCENTILE	24.25	47.56	7.02	10.55

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## STACK MONITORING REPORT MONTH OF JUNE 2014

S.N		RABH mg/Nm <sup>3</sup>	COOLER ESP mg/Nm <sup>3</sup>	COAL MILL mg/Nm <sup>3</sup>	CEMENT MILL- 1 mg/Nm <sup>3</sup>	CEMENT MILL- 2 mg/Nm <sup>3</sup>
1	MAX.	12.95	17.38	14.17	10.52	13.02
2	MIN.	8.83	10.17	9.20	7.18	8.22
3	AVG.	11.03	13.27	11.55	8.68	10.41
4	STD DEV.	1.81	3.09	2.05	1.69	2.19
5	COFF. OF VARIATION.	0.16	0.23	0.18	0.20	0.21
6	98 PERCENTILE	12.89	17.16	14.02	10.43	12.92

**DURGA CEMENT WORKS**

A UNIT OF ANDHRA CEMENTS LIMITED

Durgapuram, Dacheppalli

DIST. Guntur (AP)

**NOISE LEVEL MONITORING REPORT MONTH OF JUNE 2014****1. Colony area**

	<b>Day Time dB(A)</b>	<b>Night Time dB(A)</b>
Max.	45.6	43.6
Min.	43.5	42.3
Avg.	44.36	42.9
Std.Dev	0.88	0.60
Coff.of Variation	0.02	0.01
98 percentile	45.52	43.59

**2. Near Time Office**

	<b>Day Time dB(A)</b>	<b>Night Time dB(A)</b>
Max.	55.3	52.4
Min.	48.6	47.3
Avg.	51.78	50.2
Std.Dev.	2.46	1.96
Coff.of Variation	0.05	0.04
98 percentile	55.08	52.33

**3. Near Mine Office**

	<b>Day Time dBA</b>	<b>Night Time dBA</b>
Max.	54.5	53.4
Min.	52.4	50.3
Avg.	53.38	51.98
Std.Dev.	0.87	1.42
Coff.of Variation	0.02	0.03
98 percentile	54.44	53.35