

# DURGA CEMENT WORKS

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

## AMBIENT AIR QUALITY MONITORING REPORT MONTH OF JULY 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.	26.73	53.69	7.70	12.62
2	MIN.	17.73	45.68	5.48	9.79
3	AVG.	21.41	48.64	6.99	11.28
4	STD DEV.	3.20	2.42	0.79	0.96
5	COFF. OF VARIATION	0.15	0.05	0.11	0.09
6	98 PERCENTILE	26.40	53.13	7.70	12.56

### 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.	21.78	43.64	8.10	11.56
2	MIN.	13.42	37.42	4.69	7.54
3	AVG.	16.56	41.59	6.85	10.59
4	STD DEV.	3.17	2.00	1.08	1.29
5	COFF. OF VARIATION	0.19	0.05	0.16	0.12
6	98 PERCENTILE	21.63	43.55	8.03	11.53

### 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.	27.29	55.02	8.68	12.7
2	MIN.	19.64	40.23	4.87	10.09
3	AVG.	23.77	49.64	7.21	11.32
4	STD DEV.	2.37	5.89	1.26	0.92
5	COFF. OF VARIATION	0.10	0.12	0.17	0.08
6	98 PERCENTILE	27.10	54.95	8.57	12.62

### 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.	20.38	45.66	7.62	11.11
2	MIN.	14.74	33.25	4.24	7.52
3	AVG.	17.04	39.50	6.36	9.83
4	STD DEV.	1.89	4.76	1.16	1.31
5	COFF. OF VARIATION	0.11	0.12	0.18	0.13
6	98 PERCENTILE	20.15	45.49	7.60	11.11

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## STACK MONITORING REPORT MONTH OF JULY 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.	13.83	22.09	18.14	14.16	19.45
2	MIN.	7.29	13.89	9.66	8.41	10.87
3	AVG.	10.62	17.57	12.85	10.84	15.43
4	STD DEV.	2.92	3.51	3.76	2.39	3.37
5	COFF. OF VARIATION.	0.28	0.20	0.29	0.22	0.22
6	98 PERCENTILE	13.73	21.86	17.82	14.01	19.30

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A UNIT OF ANDHRA CEMENTS LIMITED

Durgapuram,Dachepalli

DIST. Guntur (AP)

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

	<b>Day Time dB(A)</b>	<b>Night Time dB(A)</b>
Max.	44.60	43.40
Min.	43.60	43.10
Avg.	43.98	43.20
Std.Dev	0.39	0.12
Coff.of Variation	0.01	0.00
98 percentile	44.56	43.38

**2. Near Time Office**

	<b>Day Time dB(A)</b>	<b>Night Time dB(A)</b>
Max.	54.60	53.70
Min.	45.60	44.80
Avg.	49.68	48.70
Std.Dev.	4.04	4.19
Coff.of Variation	0.08	0.09
98 percentile	54.50	53.61

**3. Near Mine Office**

	<b>Day Time dBA</b>	<b>Night Time dBA</b>
Max.	55.80	53.80
Min.	52.60	51.30
Avg.	54.02	52.16
Std.Dev.	1.33	1.06
Coff.of Variation	0.02	0.02
98 percentile	55.70	53.70