

AMBIENT AIR QUALITY IN [PM₁₀] µg / m³

Month / Location	Oct '16	Nov'16	Dec'16	Jan'17	Feb'17	March'17	AVG	MAX	MIN
MAIN GATE	56.00	71.00	68.00	64.00	60.00	64.00	63.83	71.00	56.00
COMMERCIAL GATE	65.00	82.00	72.00	85.00	74.00	75.00	75.50	85.00	65.00
MINES LIGHTING TOWER	59.00	60.00	77.00	72.00	76.00	62.00	67.67	77.00	59.00
RAILWAY TRACK DEAD END	55.00	63.00	72.00	76.00	70.00	56.00	65.33	76.00	55.00
CPP MAIN GATE NEAR TEMPLE	53.00	54.00	56.00	70.00	52.00	59.00	57.33	70.00	52.00
MAHAMKALIGUDEM	69.00	76.00	77.00	84.00	76.00	70.00	75.33	84.00	69.00
RAVIPAHAD	72.00	70.00	78.00	74.00	78.00	68.00	73.33	78.00	68.00
JANAPAHAD DARGA	62.00	68.00	62.00	65.00	58.00	59.00	62.33	68.00	58.00
SUNYAPAHAD	66.00	72.00	65.00	68.00	70.00	62.00	67.17	72.00	62.00

AMBIENT AIR QUALITY IN [PM_{2.5}] µg / m³

Month / Location	Oct '16	Nov'16	Dec'16	Jan'17	Feb'17	March'17	AVG	MAX	MIN
MAIN GATE	23.00	30.00	36.00	26.00	23.00	24.00	27.00	36.00	23.00
COMMERCIAL GATE	36.00	32.00	32.00	36.00	30.00	26.00	32.00	36.00	26.00
MINES LIGHTING TOWER	25.00	26.00	29.00	33.00	22.00	20.00	25.83	33.00	20.00
RAILWAY TRACK DEAD END	30.00	30.00	26.00	28.00	21.00	23.00	26.33	30.00	21.00
CPP MAIN GATE NEAR TEMPLE	21.00	26.00	32.00	30.00	19.00	19.00	24.50	32.00	19.00
MAHAMKALIGUDEM	36.00	34.00	30.00	35.00	27.00	24.00	31.00	36.00	24.00
RAVIPAHAD	26.00	31.00	29.00	32.00	22.00	20.00	26.67	32.00	20.00
JANAPAHAD DARGA	21.00	26.00	22.00	26.00	19.00	23.00	22.83	26.00	19.00
SUNYAPAHAD	28.00	25.00	26.00	30.00	16.00	20.00	24.17	30.00	16.00

AMBIENT AIR QUALITY IN [SO₂] µg / m³

Month / Location	Oct '16	Nov'16	Dec'16	Jan'17	Feb'17	March'17	AVG	MAX	MIN
MAIN GATE	11.00	8.00	9.00	7.00	9.00	8.00	8.67	11.00	7.00
COMMERCIAL GATE	9.00	10.00	10.00	9.00	11.00	7.00	9.33	11.00	7.00
MINES LIGHTING TOWER	8.00	11.00	7.00	10.00	10.00	10.00	9.33	11.00	7.00
RAILWAY TRACK DEAD END	9.00	8.00	8.00	12.00	10.00	8.00	9.17	12.00	8.00
CPP MAIN GATE NEAR TEMPLE	11.00	9.00	9.00	9.00	8.00	6.00	8.67	11.00	6.00
MAHAMKALIGUDEM	7.00	10.00	11.00	10.00	11.00	10.00	9.83	11.00	7.00
RAVIPAHAD	11.00	8.00	10.00	8.00	12.00	10.00	9.83	12.00	8.00
JANAPAHAD DARGA	10.00	9.00	9.00	9.00	10.00	10.00	9.50	10.00	9.00
SUNYAPAHAD	8.00	10.00	8.00	10.00	10.00	12.00	9.67	12.00	8.00

AMBIENT AIR QUALITY IN [NO_x] µg / m³

Month / Location	Oct '16	Nov'16	Dec'16	Jan'17	Feb'17	March'17	AVG	MAX	MIN
MAIN GATE	21.00	22.00	22.00	23.00	23.00	20.00	21.83	23.00	20.00
COMMERCIAL GATE	20.00	19.00	19.00	21.00	21.00	18.00	19.67	21.00	18.00
MINES LIGHTING TOWER	26.00	18.00	21.00	23.00	20.00	19.00	21.17	26.00	18.00
RAILWAY TRACK DEAD END	20.00	21.00	24.00	22.00	24.00	22.00	22.17	24.00	20.00
CPP MAIN GATE NEAR TEMPLE	19.00	25.00	20.00	19.00	22.00	23.00	21.33	25.00	19.00
MAHAMKALIGUDEM	21.00	20.00	21.00	24.00	24.00	20.00	21.67	24.00	20.00
RAVIPAHAD	20.00	24.00	22.00	23.00	26.00	21.00	22.67	26.00	20.00
JANAPAHAD DARGA	22.00	17.00	23.00	21.00	18.00	24.00	20.83	24.00	17.00
SUNYAPAHAD	24.00	22.00	24.00	24.00	22.00	20.00	22.67	24.00	20.00
MAIN GATE	24.00	22.00	21.00	22.00	20.00	23.00	22.00	24.00	20.00

STACK EMISSION MONITORING DATA (SPM In mg/Nm ³) LINE-1						
Month Location	Oct '16	Nov'16	Dec'16	Jan'17	Feb'17	March'17
Kiln ESP	-	-	-	-	-	65
Cooler ESP	-	-	-	-	-	82
Coal Mill	-	-	-	-	-	24
Cement Mills	-	-	-	-	-	20

STACK EMISSION MONITORING DATA (SPM In mg/Nm ³)						
Month location	Oct '16	Nov'16	Dec'16	Jan'17	Feb'17	March'17
KILN RABH	42	48	42	48	46	34
COAL MILL	38	45	46	30	45	27
COOLER ESP	45	48	44	46	40	48
CEMENT MILL- VRM	46	48	44	46	25	21
CEMENT MILL- 2	40	44	42	40	39	27
CPP ESP	54	70	49	55	46	50

At Day Time

Noise Levels In Deccan Cements Limited									
Month / Location	Oct '16	Nov'16	Dec'16	Jan'17	Feb'17	March'17	AVG	MAX	MIN
MAIN GATE	71.00	65.00	69.00	75.00	69.00	68.00	69.50	75.00	65.00
GUEST HOUSE	55.00	53.00	72.00	68.00	62.00	72.00	63.67	72.00	53.00
KILN	69.00	63.00	71.00	62.00	65.00	71.00	66.83	71.00	62.00
COLONY	55.00	54.00	65.00	56.00	58.00	65.00	58.83	65.00	54.00
COAL MILL	62.00	65.00	68.00	69.00	64.00	70.00	66.33	70.00	62.00
CEMENT MILL	74.00	68.00	71.00	69.00	72.00	71.00	70.83	74.00	68.00
RAW MILL	70.00	74.00	71.00	68.00	70.00	75.00	71.33	75.00	68.00
SHOVEL	88.00	85.00	87.00	85.00	80.00	84.00	84.83	88.00	80.00
DRILLIN AREA	89.00	82.00	85.00	84.00	82.00	87.00	84.83	89.00	82.00
INSIDE TIPPER CABIN	81.00	84.00	68.00	70.00	69.00	68.00	73.33	84.00	68.00
CRUSHER HOPPER	72.00	70.00	75.00	74.00	70.00	72.00	72.17	75.00	70.00
HAULAGE ROAD	69.00	65.00	68.00	65.00	68.00	68.00	67.17	69.00	65.00
CRUSHER	65.00	72.00	65.00	64.00	64.00	65.00	65.83	72.00	64.00
PACKING HOUSE	69.00	64.00	70.00	69.00	70.00	78.00	70.00	78.00	64.00
POWER PLANT	70.00	78.00	75.00	68.00	70.00	71.00	72.00	78.00	68.00

Night Time

Month Location	Oct '16	Nov'16	Dec'16	Jan'17	Feb'17	March'17	AVG	MAX	MIN
MAIN GATE	59.00	60.00	60.00	59.00	60.00	57.00	59.17	60.00	57.00
GUEST HOUSE	62.00	55.00	56.00	60.00	61.00	62.00	59.33	62.00	55.00
KILN	62.00	60.00	63.00	62.00	60.00	66.00	62.17	66.00	60.00
COLONY	56.00	58.00	56.00	51.00	50.00	54.00	54.33	58.00	50.00
COAL MILL	60.00	60.00	59.00	59.00	60.00	57.00	59.17	60.00	57.00
CEMENT MILL	60.00	62.00	63.00	62.00	60.00	62.00	61.50	63.00	60.00
RAW MILL	66.00	62.00	63.00	62.00	60.00	65.00	63.00	66.00	60.00



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Gazette Notification No.: S.O.1295 (E), Validity upto June 2017.

TEST REPORT

REF.NO: LAWN/DECCAN/2016

Date: 24-12-2016

AMBIENT NOISE QUALITY DATA

Name of the Industry & Address : M/s. DECCAN CEMENTS LIMITED,
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Location	Levels in dB (A)	
	Day Time	
1. Near Security	:	57
2. Near Packing	:	59
3. Near Mills	:	70
4. Near Silo	:	66
5. Near Control room	:	53

Note: 1. Noise levels are monitored on 15-12-2016.
2. Day time is reckoned in between 10 am and 6 pm; Limit <75 dB (A)


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TEST REPORT

REF.NO: LAWN/DECCAN/2016

Date: 24-12-2016

AMBIENT NOISE LEVELS DATA

Name of the Industry & Address : M/s. DECCAN CEMENTS LIMITED,
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Location	Levels in dB(A) Leq	
		Day time
1. Near Crusher	:	72.00
2. Near Packinghouse	:	65.00
3. Near Power plant	:	69.00

Note: 1. Noise levels are monitored on 15-12-2016.
2. Day time is reckoned in between 6.0 am and 10.0 pm - Limit 75 dB (A).


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REF.NO: LAWN/DECCAN/2016

Date: 24-12-2016

WATER ANALYSIS

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Sample Particulars : Drinking Water (R.O.Water)
Date of collection : 17-12-2016
Date of Analysis : 19-12-2016
PROTOCOL : A. P. H. A.

		As per IS:10500 - 2012 Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
1. pH	: 6.89	6.50 - 8.50	No relaxation
2. E.C (micromhos/cm)	: 87	--	--
3. Turbidity (NTU)	: Nil	01 max	05 max
4. Total dissolved solids	: 41	500 max	2000 max
5. Total hardness	as CaCO ₃ : 8.25	200 max	600 max
6. Calcium	as Ca : 2.40	75 max	200 max
7. Magnesium	as Mg : 0.55	30 max	100 max
8. Sodium	as Na : 18	--	--
9. Potassium	as K : 0.13	--	--
10. Chloride	as Cl : 10	250 max	1000 max
11. Sulphate	as SO ₄ : 3.10	200 max	400 max
12. Nitrates	as NO ₃ : 1.10	45 max	No relaxation
13. Methyl orange alkalinity	as CaCO ₃ : 26.50	--	--
14. Phenolphthalein alkalinity	as CaCO ₃ : Nil	--	--
15. Total Alkalinity	as CaCO ₃ : 26.50	200 max	600 max
16. Iron	as Fe : 0.03	0.3 max	No relaxation
17. Fluorides	as F : 0.14	1.0 max	1.5 max
18. Lead	as Pb : <0.01	0.01	No relaxation
19. Copper	as Cu : <0.01	0.05	1.50

Note: All the values except pH & E.C. are expressed in mg/L.


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TEST REPORT

REF.NO: LAWN/DECCAN/2016

Date: 24-12-2016

WASTE WATER ANALYSIS

Name of the Industry & Address : M/s. DECCAN CEMENTS LIMITED,
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Sample Particulars : STP Inlet
Date of collection : 17-12-2016
Date of Analysis : 19-12-2016
PROTOCOL : A. P. H. A.

1. pH	:	7.40
2. Total dissolved solids	:	726
3. Total suspended solids	:	154
4. Chemical oxygen demand	:	307
5. Biochemical oxygen demand (3 days at 27 °C)	:	81
6. Chlorides as Cl	:	143
7. Sulphates as SO_4	:	102
8. Oil & Grease	:	2.90

Note: All the values except pH are expressed in mg/L.


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Date: 24-12-2016

WASTE WATER ANALYSIS

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Sample Particulars : STP Outlet
Date of collection : 17-12-2016
Date of Analysis : 19-12-2016
PROTOCOL : A. P. H. A.

		LIMITS
1. pH	: 7.91	5.50-9.0
2. Total dissolved solids	: 614	<2,100
3. Total suspended solids	: 26	<50
4. Chemical oxygen demand	: 45	<250
5. Biochemical oxygen demand (3 days at 27 °C)	: 08	<30
6. Chlorides as Cl	: 110	<600
7. Sulphates as So ₄	: 35	<1,000
8. Oil & Grease	: <1.0	<10

Note: All the values except pH are expressed in mg/L.


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REF.NO: LAWN/DECCAN/2016

Date: 24-12-2016

STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Sample Particulars : Stack attached to the Kiln/Raw Mill with RABH - II
Date of Sampling : 15-12-2016

			PROTOCOL
1. Stack diameter (m)	: 4.20		--
2. Stack cross sectional area (sq m)	: 13.86		--
3. Flue gas temperature (°C)	: 118		IS-11255 (P-1) 1985;ASTMD-3685
4. Exit velocity of flue gases (m/sec)	: 13.04		IS-11255 (P-1) 1985;ASTMD-3685
5. Flow rate (cum/hr)	: 6,50,644		IS-11255 (P-3) 1985;ASTMD-3685
	EMISSION DATA	LIMIT	
6. Suspended particulate matter Concentration (mg/N m ³)	: 23	50	IS-11255 (Part-1); 1985
7. Sulphur dioxide Concentration (mg/N m ³)	: 52	---	IS-11255 (Part-2); 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	: 146	---	IS-5182 (Part-6); 1975

STACK MONITORING KIT : MODEL NO.SEA-90 / SL NO.060307
M/S. AERO VIRONMENT ENGINEERS INC.

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Date: 24-12-2016

STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Sample Particulars : Stack attached to the Coal Mill with bag type dust collector - II
Date of Sampling : 15-12-2016

		PROTOCOL
1. Stack diameter (m)	: 1.60	--
2. Stack cross sectional area (sq m)	: 2.01	--
3. Flue gas temperature (°C)	: 70	IS-11255 (P-1) 1985;ASTMD-3685
4. Exit velocity of flue gases (m/sec)	: 12.89	IS-11255 (P-1) 1985;ASTMD-3685
5. Flow rate (cum/hr)	: 93,923	IS-11255 (P-3) 1985;ASTMD-3685

	EMISSION DATA	LIMIT	
6. Suspended particulate matter Concentration (mg/N m ³)	: 37	50	IS-11255 (Part-1); 1985

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Name of the Industry & Address : M/s. DECCAN CEMENTS LIMITED,
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

	*I	*II	*III	PROTOCOL
1. Date of sampling	: 16-12-2016	16-12-2016	16-12-2016	--
2. Stack diameter (m)	: 1.30	4.0	1.20	--
3. Stack cross sectional area (sq m)	: 1.327	12.57	1.13	--
4. Flue gas temperature (°C)	: 62	210	58	IS-11255 (P-1) 1985;ASTMD-3685
5. Exit velocity of flue gases (m/sec)	: 11.06	10.63	12.50	IS-11255 (P-1) 1985;ASTMD-3685
6. Flow rate (cum/hr)	: 52,836	4,81,029	50,850	IS-11255 (P-3) 1985;ASTMD-3685

EMISSION DATA

				LIMIT
7. Suspended particulate matter Concentration (mg/N m ³)	: 35	30	28	50 IS-11255 (Part-1); 1985

Note: *I Stack attached to the Crusher with bag type dust collector
*II Stack attached to the Cooler with ESP - II
*III Stack attached to the Cement mill with bag type dust collector - II


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Date: 24-12-2016

STACK MONITORING DATA

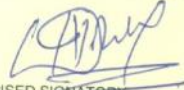
Name of the Industry & Address : M/s. DECCAN CEMENTS LIMITED,
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Sample Particulars : Stack attached to the Power plant with ESP
Date of Sampling : 16-12-2016

		PROTOCOL
1. Stack diameter (m)	: 3.50	--
2. Stack cross sectional area (sq m)	: 9.62	--
3. Flue gas temperature (°C)	: 121	IS-11255 (P-1) 1985;ASTMD-3685
4. Exit velocity of flue gases (m/sec)	: 11.90	IS-11255 (P-1) 1985;ASTMD-3685
5. Flow rate (cum/hr)	: 4,12,121	IS-11255 (P-3) 1985;ASTMD-3685

	EMISSION DATA	LIMIT	
6. Suspended particulate matter Concentration (mg/N m ³)	: 63	115	IS-11255 (Part-1); 1985

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Name of the Industry & Address : M/s. DECCAN CEMENTS LIMITED,
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Sample Particulars : Stack attached to VRM
Date of Sampling : 17-12-2016

		PROTOCOL
1. Stack diameter (m)	: 2.0	--
2. Stack cross sectional area (sq m)	: 3.14	--
3. Flue gas temperature (°C)	: 65	IS-11255 (P-1) 1985;ASTMD-3685
4. Exit velocity of flue gases (m/sec)	: 12.10	IS-11255 (P-1) 1985;ASTMD-3685
5. Flow rate (cum/hr)	: 1,36,778	IS-11255 (P-3) 1985;ASTMD-3685

EMISSION DATA LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 36	50	IS-11255 (Part-1); 1985
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M/S. AERO VIRONMENT ENGINEERS INC.


AUTHORISED SIGNATORY

Head Office : "LAWN HOUSE", #184-C, Vengalrao Nagar, Hyderabad - 500 038. (T.S.) INDIA. Tel : 040-66730925, 66730926, Fax : 040-66730926

Branch Office : H.No.31-56-11, 1st Floor, Siman Nagar, Kurmannapalem, Visakhapatnam - 530046 (A.P) INDIA. Tel : +91-9030029925

E-mail : lawnenviro@yahoo.co.in, Website : www.lawnenviro.com



LAWN ENVIRO ASSOCIATES

[Engineers & Consultants in Pollution Control]
Recognised by Ministry of Environment & Forests (MoEF), GOI, New Delhi
Gazette Notification No.: S.O.1295 (E), Validity upto June 2017.

TEST REPORT

REF.NO: LAWN/DECCAN/2016

Date: 24-12-2016

STACK MONITORING DATA

Name of the Industry & Address : M/s. DECCAN CEMENTS LIMITED,
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

	*I	*II	PROTOCOL
1. Date of sampling	: 17-12-2016	16-12-2016	--
2. Stack diameter (m)	: 0.46	0.46	--
3. Stack cross sectional area (sq m)	: 0.16	0.16	--
4. Flue gas temperature (°C)	: 43	45	IS-11255 (P-1) 1985;ASTMD-3685
5. Exit velocity of flue gases (m/sec)	: 11.20	11.52	IS-11255 (P-1) 1985;ASTMD-3685
6. Flow rate (cum/hr)	: 6,451	6,636	IS-11255 (P-3) 1985;ASTMD-3685

EMISSION DATA LIMIT

7. Suspended particulate matter Concentration (mg/N m³) : 45 48 100 IS-11255 (Part-1); 1985

Note: *I Stack attached to the Packer-II
*II Stack attached to the Packer-III


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STACK MONITORING KIT : MODEL NO.SEA-90 / SL.NO.060307
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TEST REPORT

REF.NO: LAWN/DECCAN/2016

Date: 24-12-2016

AMBIENT AIR QUALITY DATA

Name of the Industry & Address : M/s. DECCAN CEMENTS LIMITED,
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Location	:	Near Security	Near Mills	LIMIT	PROTOCOL
1. Date of sampling	:	15-12-2016	15-12-2016	--	--
2. Total time of monitoring	:	8 hr	8hr	--	--
3. Average flow rate (cum/min)	:	1.06	1.12	--	--
4. Particulate Matter Concentration ($\mu\text{g}/\text{m}^3$) - PM ₁₀	:	68	79	100	IS-5182 (Part-4); 1999
5. Particulate Matter Concentration ($\mu\text{g}/\text{m}^3$) - PM _{2.5}	:	26	34	60	USEPA
6. Sulphur Dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	:	12	09	80	IS-5182 (Part-2); 2001
7. Nitrogen Dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	:	18	25	80	IS-5182 (Part-6); 1975


AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL /SL.NO. RDS 9000 / 040139
2. RESPIRABLE DUST SAMPLER MODEL /SL.NO. RDS 9000 /040140



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REF.NO: LAWN/DECCAN/2016

Date: 24-12-2016

AMBIENT AIR QUALITY DATA

Name of the Industry & Address : M/s. DECCAN CEMENTS LIMITED,
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Location	Near Admin Building	Near Packing House	Near Power Plant	LIMIT	PROTOCOL
1. Date of sampling	: 16-12-2016	16-12-2016	16-12-2016	--	--
2. Total time of monitoring	: 8 hr	8 hr	8 hr	--	--
3. Average flow rate (cum/min)	: 1.04	1.02	1.09	--	--
4. Particulate Matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀	: 69	75	82	100	IS-5182 (Part-4); 1999
5. Particulate Matter Concentration ($\mu\text{g}/\text{m}^3$) - PM _{2.5}	: 22	31	34	60	USEPA
6. Sulphur Dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	: 07	05	06	80	IS-5182 (Part-2); 2001
7. Nitrogen Dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	: 15	19	21	80	IS-5182 (Part-6); 1975

1. RESPIRABLE DUST SAMPLER MODEL /SL.NO. RDS 9000 / 040139
2. RESPIRABLE DUST SAMPLER MODEL /SL.NO. RDS 9000 / 040506
3. RESPIRABLE DUST SAMPLER MODEL /SL.NO. RDS 9000 / 040140


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TEST REPORT

REF.NO: LAWN/DECCAN/2016


Date: 24-12-2016

AMBIENT NOISE QUALITY DATA

Name of the Industry & Address : M/s. DECCAN CEMENTS LIMITED,
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Location	Levels in dB (A)	
	Day Time	Night Time
1. Near Main gate	54	48
2. Near Guest House	52	47
3. Near Colony	59	54
4. Near Coal Mill	70	65
5. Near Cement Mill	71	64
6. Near Kiln	69	62
7. Near Raw Mill	72	67

- Note:
- Noise levels are monitored on 15-12-2016.
 - Day time is reckoned in between 6 am and 10 pm; Limit <75 dB (A)
 - Night time is reckoned in between 10 pm and 6 am; Limit <70 dB (A)


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TEST REPORT

REF.NO: LAWN/DECCAN/2017

Date: 31-3-2017

STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

	*I	*II	*III	PROTOCOL
1. Date of sampling	: 23-3-2017	22-3-2017	23-3-2017	--
2. Stack diameter (m)	: 0.70	1.0	1.0	--
3. Stack cross sectional area (sq m)	: 0.38	0.785	0.785	--
4. Flue gas temperature (°C)	: 74	76	81	IS-11255 (P-1) 1985;ASTMD-3685
5. Exit velocity of flue gases (m/sec)	: 11.95	16.30	12.52	IS-11255 (P-1) 1985;ASTMD-3685
6. Flow rate (cum/hr)	: 16,348	46,064	35,382	IS-11255 (P-3) 1985;ASTMD-3685

EMISSION DATA

				LIMIT
7. Suspended particulate matter Concentration (mg/N m ³)	: 51	74	83	100 IS-11255 (Part-1); 1985

Note: *I Stack attached to the Coal Mill - I
*II Stack attached to the Cement Mill
*III Stack attached to the Raw Mill

STACK MONITORING KIT : MODEL NO. SEA-90 / SL NO 060307
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Date: 31-3-2017

STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Sample Particulars : Stack attached to the Kiln
Date of Sampling : 23-3-2017

			PROTOCOL
1. Stack diameter (m)	: 2.00		--
2. Stack cross sectional area (sq m)	: 3.14		--
3. Flue gas temperature (°C)	: 138		IS-11255 (P-1) 1985;ASTMD-3685
4. Exit velocity of flue gases (m/sec)	: 13.91		IS-11255 (P-1) 1985;ASTMD-3685
5. Flow rate (cum/hr)	: 1,57,239		IS-11255 (P-3) 1985;ASTMD-3685
	EMISSION DATA	LIMIT	
6. Suspended particulate matter Concentration (mg/N m ³)	: 81	100	IS-11255 (Part-1); 1985
7. Sulphur dioxide Concentration (mg/N m ³)	: 94	800	IS-11255 (Part-2); 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	: 106	600	IS-5182 (Part-6); 1975

STACK MONITORING KIT : MODEL NO.SEA-90 / SL.NO.060307
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STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Sample Particulars : Stack attached to the Cooler
Date of Sampling : 21-3-2017

		PROTOCOL
1. Size of the duct	: 2.00	--
2. Stack cross sectional area (sq m)	: 3.14	--
3. Flue gas temperature (°C)	: 249	IS-11255 (P-1) 1985;ASTMD-3685
4. Exit velocity of flue gases (m/sec)	: 17.48	IS-11255 (P-1) 1985;ASTMD-3685
5. Flow rate (cum/hr)	: 1,97,593	IS-11255 (P-3) 1985;ASTMD-3685

	EMISSION DATA	LIMIT	
6. Suspended particulate matter Concentration (mg/N m ³)	: 67	100	IS-11255 (Part-1); 1985

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Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Sample Particulars : Stack attached to the Kiln
Date of Sampling : 23-3-2017

			PROTOCOL
1. Stack diameter (m)	: 2.00		--
2. Stack cross sectional area (sq m)	: 3.14		--
3. Flue gas temperature (°C)	: 138		IS-11255 (P-1) 1985;ASTMD-3685
4. Exit velocity of flue gases (m/sec)	: 13.91		IS-11255 (P-1) 1985;ASTMD-3685
5. Flow rate (cum/hr)	: 1,57,239		IS-11255 (P-3) 1985;ASTMD-3685
	EMISSION DATA	LIMIT	
6. Suspended particulate matter Concentration (mg/N m ³)	: 81	100	IS-11255 (Part-1); 1985
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	*I	*II	*III	PROTOCOL
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2. Stack diameter (m)	: 0.70	1.0	1.0	--
3. Stack cross sectional area (sq m)	: 0.38	0.785	0.785	--
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5. Exit velocity of flue gases (m/sec)	: 11.95	16.30	12.52	IS-11255 (P-1) 1985;ASTMD-3685
6. Flow rate (cum/hr)	: 16,348	46,064	35,382	IS-11255 (P-3) 1985;ASTMD-3685

EMISSION DATA

				LIMIT
7. Suspended particulate matter Concentration (mg/N m ³)	: 51	74	83	100 IS-11255 (Part-1); 1985

Note: *I Stack attached to the Coal Mill - I
*II Stack attached to the Cement Mill
*III Stack attached to the Raw Mill

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TEST REPORT

REF.NO: LAWN/DECCAN/2016

Date: 24-12-2016

AMBIENT AIR QUALITY DATA

Name of the Industry & Address : M/s. DECCAN CEMENTS LIMITED,
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Location	Near Guest house	Near Main gate	Between Kiln & Secondary Crusher	LIMIT	PROTOCOL
1. Date of sampling	: 17-12-2016	17-12-2016	17-12-2016	--	--
2. Total time of monitoring	: 8 hr	8 hr	8 hr	--	--
3. Average flow rate (cum/min)	: 1.01	1.08	1.12	--	--
4. Particulate Matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀	: 65	73	81	100	IS-5182 (Part-4); 1999
5. Particulate Matter Concentration ($\mu\text{g}/\text{m}^3$) - PM _{2.5}	: 21	28	30	60	USEPA
6. Sulphur Dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	: 07	14	11	80	IS-5182 (Part-2); 2001
7. Nitrogen Dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	: 15	26	24	80	IS-5182 (Part-6); 1975


AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL /SL NO. RDS 9000 / 040139
2. RESPIRABLE DUST SAMPLER MODEL /SL NO. RDS 9000 / 040506
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STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Nalgonda (Dist.) - 508 218.

Sample Particulars : Stack attached to the Cooler
Date of Sampling : 21-3-2017

		PROTOCOL
1. Size of the duct	: 2.00	--
2. Stack cross sectional area (sq m)	: 3.14	--
3. Flue gas temperature (°C)	: 249	IS-11255 (P-1) 1985;ASTMD-3685
4. Exit velocity of flue gases (m/sec)	: 17.48	IS-11255 (P-1) 1985;ASTMD-3685
5. Flow rate (cum/hr)	: 1,97,593	IS-11255 (P-3) 1985;ASTMD-3685

EMISSION DATA

LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 67	100	IS-11255 (Part-1); 1985
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