



LAWN ENVIRO PRIVATE LIMITED

[Environmental Engineers & Consultants in Pollution Control]

Recognised by MOEF&CC/CPCB under EP Act, GOI, New Delhi & Laboratory Accredited by NABL

TEST REPORT



ISO 9001, 14001 & 45001
Certified Company

REF.NO: LAWN/DECCAN/SEP/2026/AAQ/001

Date: 26-9-2026

AMBIENT AIR QUALITY DATA

Name of the Industry & : **M/s. DECCAN CEMENTS LIMITED,**
Address **Bhavanipuram, Janpahad (P.O),**
Palakeedu (M), Suryapet (Dist.)

S.No	Date of sample	Time duration	Location	Avg. Flow rate (m ³ /min)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
1	17-9-2026	8 hr	Near Main gate	1.13	67	26	11	25
			Near Guest House	1.10	53	20	07	17
			Near Temple	1.04	45	16	05	15
			Near Commercial Office	1.08	63	22	13	27
LIMIT				---	<100	<60	<80	<80
PROTOCOL / METHOD					IS:5182 (Part-23); 2017/ Gravimetric Method	IS:5182 (Part-24); 2019/ Gravimetric Method	IS:5182 (Part-2); 2018/ New West & Gaeke Method	IS:5182 (Part-6); 2017/ Jacob & Hochheiser Method

1. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2461-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
2. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2161-DTH-2011), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
3. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2464-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
4. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2465-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027

1. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 16-I-623), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
2. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 17-F-731), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
3. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 17-J-750), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
4. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 17-J-751), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027

AUTHORISED SIGNATORY



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Certified Company

TEST REPORT

REF.NO: LAWN/DECCAN/SEP/2026/AAQ/002

Date: 26-9-2026

AMBIENT AIR QUALITY DATA (BUFFER ZONE)

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

S.No	Date of sample	Time duration	Location	Avg. Flow rate (m ³ /min)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
1	18-9-2026	8 hr	Mahankalli Gudem Village	1.11	62	24	10	21
			Janpahad Darga	1.07	66	28	12	23
			Ravipahad Village	1.14	48	17	08	19
			Sunyapahad Village	1.05	56	21	06	16
LIMIT				---	<100	<60	<80	<80
PROTOCOL / METHOD					IS:5182 (Part-23); 2017/ Gravimetric Method	IS:5182 (Part-24); 2019/ Gravimetric Method	IS:5182 (Part-2); 2018/ New West & Gaeke Method	IS:5182 (Part-6); 2017/ Jacob & Hochheiser Method

1. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2461-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
2. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2161-DTH-2011), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
3. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2464-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
4. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2465-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027

1. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 16-I-623), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
2. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 17-F-731), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
3. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 17-J-750), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
4. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 17-J-751), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027


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Certified Company

TEST REPORT

REF.NO: LAWN/DECCAN/SEP/2026/AAQ/003

Date: 26-9-2026

AMBIENT AIR QUALITY DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Location	Near Main gate	LIMIT	PROTOCOL
1. Date of sampling	: 17-9-2026	---	---
2. Total time of monitoring	: 24 hr	---	---
3. Average flow rate (cum/m)	: 1.13	---	---
4. Particulate Matter Concentration ($\mu\text{g}/\text{m}^3$)-PM ₁₀	: 67	<100	IS-5182 (Part-23); 2017
5. Particulate Matter Concentration ($\mu\text{g}/\text{m}^3$)-PM _{2.5}	: 26	<60	IS-5182 (Part-24); 2019
6. Sulphur Dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	: 11	<80	IS-5182 (Part-2); 2018
7. Nitrogen Dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	: 25	<80	IS-5182 (Part-6); 2017
8. Lead (Pb) Concentration ($\mu\text{g}/\text{m}^3$)	: 0.13	<1.0	IS-5182 (Part-22); 2019
9. Carbon monoxide (Co) Concentration (mg/m^3)	: 0.51	<2.0	IS-5182 (Part-10); 2019
10. Ammonia (NH ₃) Concentration ($\mu\text{g}/\text{m}^3$)	: 06	<400	IS-5182 (Part-25); 2018
11. Ozone (O ₃) Concentration ($\mu\text{g}/\text{m}^3$)	: 07	<100	IS-5182 (Part-9); 2019
12. Benzene (C ₆ H ₆) Concentration ($\mu\text{g}/\text{m}^3$)	: <0.02	<05	IS-5182 (Part-11); 2017
13. Arsenic (As) Concentration (ng/m^3)	: ND	<06	NAAQMS/ 36/2012-13
14. Nickel (Ni) Concentration (ng/m^3)	: ND	<20	IS-5182 (Part-26); 2020
15. Benzo pyrene (Bap) Particulate phase Concentration (ng/m^3)	: ND	<01	NAAQMS/ 36/2012-13

Note : ND - Not Detected

1. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2461-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
1. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 16-I-623), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027


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Certified Company

REF.NO: LAWN/DECCAN/SEP/2026/AAQ/004

Date: 26-9-2026

AMBIENT AIR QUALITY DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Location	Near Main gate	LIMIT	PROTOCOL
1. Lead (Pb) Concentration ($\mu\text{g}/\text{m}^3$)	: 0.13	<1.0	IS-5182 (Part-22); 2019
2. Carbon monoxide (Co) Concentration (mg/m^3)	: 0.51	<2.0	IS-5182 (Part-10); 2019
3. Ammonia (NH_3) Concentration ($\mu\text{g}/\text{m}^3$)	: 06	<400	IS-5182 (Part-25); 2018
4. Ozone (O_3) Concentration ($\mu\text{g}/\text{m}^3$)	: 07	<100	IS-5182 (Part-9); 2019
5. Benzene (C_6H_6) Concentration ($\mu\text{g}/\text{m}^3$)	: <0.02	<05	IS-5182 (Part-11); 2017
6. Arsenic (As) Concentration (ng/m^3)	: ND	<06	NAAQMS/ 36/2012-13
7. Nickel (Ni) Concentration (ng/m^3)	: ND	<20	IS-5182 (Part-26); 2020
8. Benzo pyrene (Bap) Particulate phase Concentration (ng/m^3)	: ND	<01	NAAQMS/ 36/2012-13

Note : ND-Not Detected

1. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2461-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
1. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 16-I-623), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027


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TEST REPORT



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REF.NO: LAWN/DECCAN/SEP/2026/FE/005

Date: 26-9-2026

FUGITIVE EMISSION DATA

Name of the Industry & : **M/s. DECCAN CEMENTS LIMITED,**
Address Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

PROTOCOL : IS-5182

S.No.	Location	Date	SPM ($\mu\text{g}/\text{m}^3$)
1	Near Cement Mill – III	19-9-2026	845
2	Near Crusher Area	19-9-2026	726
3	Near Cement Mill – 1 & 2	19-9-2026	1,012
4	Near VRM	19-9-2026	814
5	Near CPP	19-9-2026	940

1. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2461-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
2. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2161-DTH-2011), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
3. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2464-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
4. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2465-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
5. RESPIRABLE DUST SAMPLER / APS 113 BL; (SL. NO. 105-C-2017), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027


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TEST REPORT



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Certified Company

REF.NO: LAWN/DECCAN/SEP/2026/STACK/006

Date: 26-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Sample Particulars : Stack attached to the Kiln - 3
Date of Sampling : 17-9-2026
Time of Monitoring : 11.30 am

PROTOCOL

1. Stack diameter (m)	:	3.80	---
2. Stack cross sectional area (sq m)	:	11.34	---
3. Flue gas temperature ($^{\circ}\text{C}$)	:	128	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	:	12.14	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	:	4,95,603	IS-11255 (Part-3); 2018

EMISSION DATA

TSPCB Prescribed LIMIT

6. Suspended particulate matter Concentration (mg/Nm^3)	:	6.63	<30	IS-11255 (Part-1); 2019
7. Sulphur dioxide Concentration (mg/Nm^3)	:	0.09	<100	IS-11255 (Part-2); 2019
8. Oxides of nitrogen Concentration (mg/Nm^3)	:	191	<800	IS-11255 (Part-7); 2017


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027
M/s. LATA ENVIROTECH SERVICES.,



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TEST REPORT



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Certified Company

REF.NO: LAWN/DECCAN/SEP/2026/STACK/007

Date: 26-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.).

Sample Particulars : Stack attached to the Cooler ESP - III
Date of Sampling : 17-9-2026
Time of Monitoring : 1.00 pm

PROTOCOL

1. Stack diameter (m)	: 3.35	---
2. Stack cross sectional area (sq m)	: 8.81	---
3. Flue gas temperature (°C)	: 110	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	: 7.39	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	: 2,34,381	IS-11255 (Part-3); 2018

EMISSION DATA

TSPCB Prescribed LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 14.75	<30	IS-11255 (Part-1); 2019
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AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027
M/s. LATA ENVIROTECH SERVICES.,



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TEST REPORT



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REF.NO: LAWN/DECCAN/SEP/2026/STACK/008

Date: 26-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.).

Sample Particulars : Stack attached to the Crusher
Date of Sampling : 18-9-2026
Time of Monitoring : 10.00 am

PROTOCOL

1. Stack diameter (m)	: 1.30	---
2. Stack cross sectional area (sq m)	: 1.327	---
3. Flue gas temperature (°C)	: 35	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	: 9.02	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	: 43,090	IS-11255 (Part-3); 2018

EMISSION DATA

TSPCB Prescribed LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 19.20	<30	IS-11255 (Part-1); 2019
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AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027
M/s. LATA ENVIROTECH SERVICES.,



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TEST REPORT



ISO 9001, 14001 & 45001
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REF.NO: LAWN/DECCAN/SEP/2026/STACK/009

Date: 26-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.).

Sample Particulars : Stack attached to the Coal Mill - III
Date of Sampling : 18-9-2026
Time of Monitoring : 8.30 am

PROTOCOL

1. Stack diameter (m)	: 1.90	---
2. Stack cross sectional area (sq m)	: 2.84	---
3. Flue gas temperature (°C)	: 71	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	: 12.75	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	: 1,30,356	IS-11255 (Part-3); 2018

EMISSION DATA

TSPCB Prescribed LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 14.82	<30	IS-11255 (Part-1); 2019
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AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027
M/s. LATA ENVIROTECH SERVICES.,



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TEST REPORT



ISO 9001, 14001 & 45001
Certified Company

REF.NO: LAWN/DECCAN/SEP/2026/STACK/010

Date: 26-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.).

Sample Particulars : Stack attached to the Cement Mill - I & II
Date of Sampling : 18-9-2026
Time of Monitoring : 6.30 am

PROTOCOL

1. Stack diameter (m)	: 1.0	---
2. Stack cross sectional area (sq m)	: 0.785	---
3. Flue gas temperature (°C)	: 78	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	: 11.32	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	: 31,990	IS-11255 (Part-3); 2018

EMISSION DATA

LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 16.89	<30	IS-11255 (Part-1); 2019
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AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027
M/s. LATA ENVIROTECH SERVICES.,



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Certified Company

REF.NO: LAWN/DECCAN/SEP/2026/STACK/011

Date: 26-9-2026

STACK MONITORING DATA

Name of the Industry & : **M/s. DECCAN CEMENTS LIMITED,**
Address : Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Sample Particulars : Stack attached to the Cement Mill - 4
Date of Sampling : 18-9-2026
Time of Monitoring : 11.45 am

PROTOCOL

1. Stack diameter (m)	:	1.95	---
2. Stack cross sectional area (sq m)	:	2.985	---
3. Flue gas temperature ($^{\circ}$ C)	:	87	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	:	10.94	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	:	1,17,561	IS-11255 (Part-3); 2018

EMISSION DATA

LIMIT

6. Suspended particulate matter Concentration (mg/Nm ³)	:	19.89	<30	IS-11255 (Part-1); 2019
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AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027
M/s. LATA ENVIROTECH SERVICES.,



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REF.NO: LAWN/DECCAN/SEP/2026/STACK/012

Date: 26-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Sample Particulars : Stack attached to the Cement VRM
Date of Sampling : 17-9-2026
Time of Monitoring : 8.30 am

PROTOCOL

1. Stack diameter (m)	:	2.0	--
2. Stack cross sectional area (sq m)	:	3.14	--
3. Flue gas temperature ($^{\circ}$ C)	:	70	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	:	7.31	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	:	82,632	IS-11255 (Part-3); 2018

EMISSION DATA

LIMIT

6. Suspended particulate matter Concentration (mg/Nm ³)	:	13.12	<30	IS-11255 (Part-1); 2019
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AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027
M/s. LATA ENVIROTECH SERVICES.,



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Certified Company

REF.NO: LAWN/DECCAN/SEP/2026/STACK/013

Date: 26-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Sample Particulars : Stack attached to the Kiln2/Raw Mill VRM (RABH)
Date of Sampling : 24-9-2026
Time of Monitoring : 7.15 am

PROTOCOL

1. Stack diameter (m)	:	4.20	--
2. Stack cross sectional area (sq m)	:	13.86	--
3. Flue gas temperature ($^{\circ}\text{C}$)	:	116	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	:	11.98	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	:	5,97,754	IS-11255 (Part-3); 2018

EMISSION DATA

TSPCB Prescribed LIMIT

6. Suspended particulate matter Concentration (mg/Nm^3)	:	12.02	<30	IS-11255 (Part-1); 2019
7. Sulphur dioxide Concentration (mg/Nm^3)	:	14.10	<100	IS-11255 (Part-2); 2019
8. Oxides of nitrogen Concentration (mg/Nm^3)	:	299	<800	IS-11255 (Part-7); 2017


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027
M/s. LATA ENVIROTECH SERVICES.,



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Certified Company

REF.NO: LAWN/DECCAN/SEP/2026/STACK/014

Date: 26-9-2026

STACK MONITORING DATA

Name of the Industry & : **M/s. DECCAN CEMENTS LIMITED,**
Address Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.).

Sample Particulars : Stack attached to the Cooler ESP - II
Date of Sampling : 24-9-2026
Time of Monitoring : 2.30 pm

PROTOCOL

1. Stack diameter (m)	: 4.0	--
2. Stack cross sectional area (sq m)	: 12.57	--
3. Flue gas temperature (°C)	: 108	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	: 5.46	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	: 2,47,076	IS-11255 (Part-3); 2018

EMISSION DATA

TSPCB Prescribed LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 19.02	<30	IS-11255 (Part-1); 2019
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AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027
M/s. LATA ENVIROTECH SERVICES.,



LAWN ENVIRO PRIVATE LIMITED

[Environmental Engineers & Consultants in Pollution Control]

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TEST REPORT



ISO 9001, 14001 & 45001
Certified Company

REF.NO: LAWN/DECCAN/SEP/2026/STACK/015

Date: 26-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.).

Sample Particulars : Stack attached to the Coal Mill - II
Date of Sampling : 24-9-2026
Time of Monitoring : 11.10 am

PROTOCOL

1. Stack diameter (m)	: 1.60	---
2. Stack cross sectional area (sq m)	: 2.01	---
3. Flue gas temperature (°C)	: 72	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	: 12.66	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	: 91,608	IS-11255 (Part-3); 2018

EMISSION DATA

TSPCB Prescribed LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 17.86	<30	IS-11255 (Part-1); 2019
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ISO 9001, 14001 & 45001
Certified Company

REF.NO: LAWN/DECCAN/SEP/2026/WWA/016

Date: 26-9-2026

WASTE WATER ANALYSIS

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Date of Collection : 18-9-2026
Date of Analysis : 19-9-2026
PROTOCOL : A. P. H. A. 24th Edition

	STP Inlet	STP Outlet	LIMITS
1. pH	: 7.36	7.60	5.5-8.5
2. Total Dissolved Solids	: 1,568	1,311	<2,100
3. Total Suspended Solids	: 276	37	<100
4. Chemical Oxygen Demand	: 394	90	<250
5. Bio Chemical Oxygen Demand (3 days at 27 °C)	: 167	21	<100
6. Chlorides as Cl	: 260	178	<600
7. Sulphates as So ₄	: 145	34	<1,000
8. Oil & Grease	: 3.90	<1.0	<10

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


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REF.NO: LAWN/DECCAN/SEP/2026/WWA/017

Date: 26-9-2026

WASTE WATER QUALITY ANALYSIS

Name of the Industry & : **M/s. DECCAN CEMENTS LIMITED,**
Address : Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Date of Collection : 18-9-2026
Date of Analysis : 19-9-2026
PROTOCOL : A.P.H.A. 24th Edition

	*I	*II	Limits As per GSR 422E
1. pH	: 7.40	7.76	6.50-8.50
2. Total dissolved solids	: 1,501	1,288	2100
3. Total Suspended solids (at 103-105 °C)	: 45	27	100
4. Chemical oxygen demand	: 92	43	250
5. Biochemical oxygen demand (3 days at 27 °C)	: 17	11	30
6. Chlorides as Cl	: 240	174	600
7. Sulphates as SO ₄	: 82	40	1000
8. Oil & Grease	: 0.54	0.13	10
9. Dissolved Oxygen	: 1.50	0.90	NS
10. Free available chlorine as Cl ₂	: Nil	Nil	0.50
11. Copper as Cu	: 0.12	0.09	1.0
12. Iron as Fe	: 0.20	0.11	1.0
13. Phosphate as P	: 0.26	0.13	5.0
14. Zinc as Zn	: 0.14	0.05	1.0
15. Chromium as Cr+6	: 0.05	0.03	0.20

Note: 1) *I WHR Discharge water

*II Treated Effluent water

2) All the values except pH are expressed in mg/L

3) NS – Not Specified.


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TEST REPORT

REF.NO: LAWN/DECCAN/SEP/2026/WA/018

Date: 26-9-2026

WATER ANALYSIS

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Sample Particulars : Borewell Water
Date of Collection : 18-9-2026
Date of Analysis : 19-9-2026
PROTOCOL : A. P. H. A. 24th Edition

1. pH	:	7.40
2. E.C (micromhos/cm)	:	698
3. Turbidity (NTU)	:	1.10
4. Total dissolved solids	:	384
5. Total hardness	as CaCO ₃ :	213
6. Calcium	as Ca :	59
7. Magnesium	as Mg :	16.90
8. Sodium	as Na :	49.90
9. Potassium	as K :	3.70
10. Chloride	as Cl :	58.50
11. Sulphate	as SO ₄ :	37.70
12. Nitrates	as NO ₃ :	4.20
13. Methyl orange alkalinity	as CaCO ₃ :	209
14. Phenolphthalein alkalinity	as CaCO ₃ :	<5.0
15. Total Alkalinity	as CaCO ₃ :	209
16. Iron	as Fe :	0.23
17. Fluorides	as F :	0.68
18. Lead	as Pb :	0.012
19. Copper	as Cu :	0.016

BACTERIOLOGICAL ANALYSIS

1. Total Plate Count/ml	:	246 CFU
2. MPN of Coliform/100ml	:	Absent
3. MPN of E-Coli/100ml	:	Absent

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


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ISO 9001, 14001 & 45001
Certified Company

REF.NO: LAWN/DECCAN/SEP/2026/WA/019

Date: 26-9-2026

WATER ANALYSIS

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Sample Particulars : Drinking Water (R.O. Water)
Date of Collection : 18-9-2026
Date of Analysis : 19-9-2026
PROTOCOL : A. P. H. A. 24th Edition

As per IS:10500 - 2012			
		Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
1. pH	: 7.92	6.50 - 8.50	No relaxation
2. E.C (micromhos/cm)	: 108	--	--
3. Turbidity (NTU)	: Nil	01 max	05 max
4. Total dissolved solids	: 58	500 max	2000 max
5. Total hardness as CaCO ₃	: 10.20	200 max	600 max
6. Calcium as Ca	: 2.10	75 max	200 max
7. Magnesium as Mg	: 1.10	30 max	100 max
8. Sodium as Na	: 18	--	--
9. Potassium as K	: 0.10	--	--
10. Chloride as Cl	: 1.08	250 max	1000 max
11. Sulphate as SO ₄	: 3.0	200 max	400 max
12. Nitrates as NO ₃	: 1.20	45 max	No relaxation
13. Methyl orange alkalinity as CaCO ₃	: 26	--	--
14. Phenolphthalein alkalinity as CaCO ₃	: <5.0	--	--
15. Total Alkalinity as CaCO ₃	: 26	200 max	600 max
16. Iron as Fe	: <0.10	0.3 max	No relaxation
17. Fluorides as F	: <0.10	1.0 max	1.5 max
18. Lead as Pb	: <0.001	0.01	No relaxation
19. Copper as Cu	: <0.001	0.05	1.50

BACTERIOLOGICAL ANALYSIS

1. MPN of Coliform/100ml	: Absent	Absent	--
2. MPN of E-Coli/100ml	: Absent	Absent	--

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

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REF.NO: LAWN/DECCAN/SEP/2026/NOISE/020

Date: 26-9-2026

AMBIENT NOISE QUALITY DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Location	Levels in dB (A)	
	Day Time	Night Time
1. Near Main gate (Entrance Gate)	62	57
2. Near Guest House	55	50
3. Near Colony	56	51
4. Near Temple	53	48

- Note:**
- Noise levels are monitored on 18-9-2026.
 - Instrument make – 3M, Module–SD-200, SL. No.–SD20011044, Calibrated On 05-01-2026, Due On 04-01-2027
 - Day time is reckoned in between 6.0 am and 10.0 pm; Limit <75.0 dB (A)
 - Night time is reckoned in between 10.0 pm and 6.0 am; Limit <70.0 dB (A)

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REF.NO: LAWN/DECCAN/SEP/2026/NOISE/021

Date: 26-9-2026

AMBIENT NOISE QUALITY DATA

Name of the Industry & : **M/s. DECCAN CEMENTS LIMITED,**
Address Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Location	Levels in dB (A)	
	Day Time	Night Time
1. Near Mahankaligudem (Village)	49	39
2. Near Janpahad Durga (Village)	50	41
3. Near Sunyapahad (Village)	47	37

- Note:**
- Noise levels are monitored on 18-9-2026.
 - Instrument make – 3M, Module–SD-200, SL. No.–SD20011044, Calibrated On 05-01-2026, Due On 04-01-2027.
 - Residential areas day time is reckoned in between 6.0 am and 10.0 pm; Limit <55.0 dB (A)
 - Residential areas night time is reckoned in between 10.0 pm and 6.0 am; Limit <45.0 dB (A)


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ISO 9001, 14001 & 45001
Certified Company

REF.NO: LAWN/DECCAN/SEP/2026/NOISE/022

Date: 26-9-2026

WORK ZONE NOISE QUALITY DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Location : Levels in dB (A)

1. Near Kiln - 3	:	81
2. Near Coal Mill - 3	:	75
3. Near Cement Mill - 3	:	72
4. Near WHR - 2	:	82
5. Near Crusher	:	80
6. Near Slag Mill	:	74
7. Near Stores	:	63
8. Near Commercial Office	:	76

Note: *I 1. Noise levels are monitored on 17-9-2026.

2. Instrument make – 3M, Module–SD-200, SL. No.–SD20011044, Calibrated On 05-01-2026, Due On 04-01-2027.

*II The noise Pollution (Regulation and Control) Rules, 2000

Schedule, Rule 3(1) and 4(1), Section 7 – (IX) factories act – Limit <90 dB (A).


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