



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

REF.NO: LAWN/DECCAN/2025

Date: 18-9-2025

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	05-9-2025	8 hr	Near Main gate	1.13	68	27	08	17
			Near Guest House	1.11	59	24	09	22
			Near Temple	1.08	50	16	06	16
			Near Commercial Office	1.15	71	31	12	25
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 06-01-2025, DUE ON 05-01-2026
2. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2161-DTH-2011), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
3. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2464-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
4. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2465-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026

1. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 16-I-623), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
2. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 17-F-731), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
3. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 17-J-750), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
4. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 17-J-751), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026

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LAWN ENVIRO PRIVATE LIMITED

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Date: 18-9-2025

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	06-9-2025	8 hr	Mahankalli Gudem Village	1.14	55	17	05	14
			Janpahad Darga	1.10	65	26	13	25
			Ravipahad Village	1.06	63	24	09	20
			Sunypahad Village	1.10	60	20	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 06-01-2025, DUE ON 05-01-2026
2. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2161-DTH-2011), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
3. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2464-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
4. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2465-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026

1. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 16-I-623), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
2. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 17-F-731), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
3. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 17-J-750), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
4. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 17-J-751), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026


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AMBIENT AIR QUALITY DATA

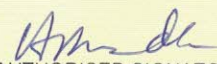
Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.)

Location	Near Main gate	LIMIT	PROTOCOL
1. Date of sampling	05-9-2025	--	---
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	68	<100	IS-5182 (Part-23); 2017
5. Particulate Matter Concentration ($\mu\text{g}/\text{m}^3$)-PM _{2.5}	27	<60	IS-5182 (Part-24); 2019
6. Sulphur Dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	08	<80	IS-5182 (Part-2); 2018
7. Nitrogen Dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	17	<80	IS-5182 (Part-6); 2017
8. Lead (Pb) Concentration ($\mu\text{g}/\text{m}^3$)	0.16	<1.0	IS-5182 (Part-22); 2019
9. Carbon monoxide (Co) Concentration (mg/m ³)	0.70	<2.0	IS-5182 (Part-10); 2019
10. Ammonia (NH ₃) Concentration ($\mu\text{g}/\text{m}^3$)	15	<400	IS-5182 (Part-25); 2018
11. Ozone (O ₃) Concentration ($\mu\text{g}/\text{m}^3$)	08	<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 06-01-2025, DUE ON 05-01-2026

1. FINE PARTICULATE SAMPLER / AAS 127 MINI; (SL.NO. 16-I-623), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026


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REF.NO: LAWN/DECCAN/2025

Date: 18-9-2025

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 ($\mu\text{g}/\text{m}^3$)	: 0.16	<1.0	IS-5182 (Part-22); 2019
2. Carbon monoxide (Co) Concentration (mg/m^3)	: 0.70	<2.0	IS-5182 (Part-10); 2019
3. Ammonia (NH_3) Concentration ($\mu\text{g}/\text{m}^3$)	: 15	<400	IS-5182 (Part-25); 2018
4. Ozone (O_3) Concentration ($\mu\text{g}/\text{m}^3$)	: 08	<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 06-01-2025, DUE ON 05-01-2026
1. FINE PARTICULATE SAMPLER / AAS 127 MINI, (SL.NO. 16-I-623), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026

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TEST REPORT

REF.NO: LAWN/DECCAN/2025

Date: 18-9-2025

FUGITIVE EMISSION DATA

Name of the Industry & Address : **M/s. DECCAN CEMENTS LIMITED,**
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	07-9-2025	1,136
2	Near Crusher Area	07-9-2025	940
3	Near Cement Mill – 1 & 2	07-9-2025	987
4	Near VRM	07-9-2025	1,264
5	Near CPP	07-9-2025	1,377

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3. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2464-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
4. RESPIRABLE DUST SAMPLER / APM 460 BL (SL.NO. 2465-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
5. RESPIRABLE DUST SAMPLER / APS 113 BL; (SL. NO. 105-C-2017), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026


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TEST REPORT

REF.NO: LAWN/DECCAN/2025

Date: 18-9-2025

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 70 TPH Boiler (CPP)
Date of Sampling : 06-9-2025

PROTOCOL

1. Stack diameter (m)	: 2.80	--
2. Stack cross sectional area (sq m)	: 6.154	--
3. Flue gas temperature (°C)	: 124	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	: 7.36	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	: 1,63,056	IS-11255 (Part-3); 2018

EMISSION DATA LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 33.20	<50	IS-11255 (Part-1); 2019
7. Sulphur dioxide Concentration (mg/N m ³)	: 283.80	<600	IS-11255 (Part-2); 2019
8. Oxides of nitrogen Concentration (mg/N m ³)	: 101.50	<300	IS-11255 (Part-7); 2017


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026
M/s. LATA ENVIROTECH SERVICES.,



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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 : 05-9-2025

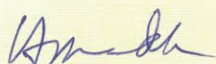
PROTOCOL

1. Stack diameter (m)	: 1.0	--
2. Stack cross sectional area (sq m)	: 0.785	--
3. Flue gas temperature (°C)	: 80	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	: 11.69	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	: 33,036	IS-11255 (Part-3); 2018

EMISSION DATA

LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 17.40	<30	IS-11255 (Part-1); 2019
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STACK MONITORING KIT : MODEL NO: APM-160/SI No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026
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REF.NO: LAWN/DECCAN/2025

Date: 18-9-2025

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 - III
Date of Sampling : 06-9-2025

PROTOCOL

1. Stack diameter (m)	: 1.20	--
2. Stack cross sectional area (sq m)	: 1.13	--
3. Flue gas temperature (°C)	: 84	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	: 12.72	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	: 51,745	IS-11255 (Part-3); 2018

EMISSION DATA

TSPCB Prescribed LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 11.70	<30	IS-11255 (Part-1); 2019
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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 : 06-9-2025

PROTOCOL

1. Stack diameter (m)	:	4.20	--
2. Stack cross sectional area (sq m)	:	13.86	--
3. Flue gas temperature ($^{\circ}\text{C}$)	:	104	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	:	9.77	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	:	4,87,484	IS-11255 (Part-3); 2018

EMISSION DATA LAWN TSPCB Prescribed LIMIT

6. Suspended particulate matter Concentration (mg/Nm^3)	:	14.10	<30	IS-11255 (Part-1); 2019
7. Sulphur dioxide Concentration (mg/Nm^3)	:	0.60	<100	IS-11255 (Part-2); 2019
8. Oxides of nitrogen Concentration (mg/Nm^3)	:	288	<800	IS-11255 (Part-7); 2017

AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026
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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 - II
Date of Sampling : 06-9-2025

PROTOCOL

1. Stack diameter (m)	: 4.0	--
2. Stack cross sectional area (sq m)	: 12.57	--
3. Flue gas temperature (°C)	: 110	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	: 4.54	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	: 2,05,444	IS-11255 (Part-3); 2018

EMISSION DATA

TSPCB Prescribed LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 18.20	<30	IS-11255 (Part-1); 2019
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Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.).

Sample Particulars : Stack attached to the Slag Mill
Date of Sampling : 05-9-2025

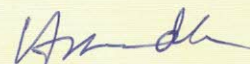
PROTOCOL

1. Stack diameter (m)	: 2.0	--
2. Stack cross sectional area (sq m)	: 3.14	--
3. Flue gas temperature (°C)	: 74	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	: 6.80	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	: 76,867	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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Bhavanipuram, Janpahad (P.O),
Palakeedu (M), Suryapet (Dist.).

Sample Particulars : Stack attached to the Crusher
Date of Sampling : 05-9-2025

PROTOCOL

1. Stack diameter (m)	: 1.30	--
2. Stack cross sectional area (sq m)	: 1.327	--
3. Flue gas temperature (°C)	: 40	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	: 6.50	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	: 31,052	IS-11255 (Part-3); 2018

EMISSION DATA

TSPCB Prescribed LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 16.70	<30	IS-11255 (Part-1); 2019
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STACK MONITORING KIT : MODEL NO. APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026
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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 : 05-9-2025

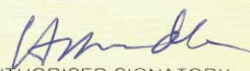
PROTOCOL

1. Stack diameter (m)	: 1.60	--
2. Stack cross sectional area (sq m)	: 2.01	--
3. Flue gas temperature (°C)	: 78	IS-11255 (Part-3); 2018
4. Exit velocity of flue gases (m/sec)	: 10.81	IS-11255 (Part-3); 2018
5. Flow rate (cum/hr)	: 78,221	IS-11255 (Part-3); 2018

EMISSION DATA

TSPCB Prescribed LIMIT

6. Suspended particulate matter Concentration (mg/N m ³)	: 15.46	<30	IS-11255 (Part-1); 2019
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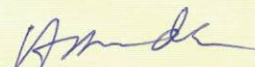
WASTE WATER ANALYSIS

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

Date of Collection : 06-9-2025
Date of Analysis : 08-9-2025
PROTOCOL : A. P. H. A. 24th Edition

	STP Inlet	STP Outlet	LIMITS
1. pH	7.41	7.56	5.5-8.5
2. Total Dissolved Solids	1,262	1,041	<2,100
3. Total Suspended Solids	216	22	<100
4. Chemical Oxygen Demand	301	59	<250
5. Bio Chemical Oxygen Demand (3 days at 27 °C)	122	12	<100
6. Chlorides as Cl	178	130	<600
7. Sulphates as So ₄	94	21	<1,000
8. Oil & Grease	2.70	<1.0	<10

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


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LAWN ENVIRO PRIVATE LIMITED

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ISO 9001, 14001 & 45001
Certified Company

TEST REPORT

REF.NO: LAWN/DECCAN/2025

Date: 18-9-2025

WASTE WATER QUALITY ANALYSIS

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

Date of Collection : 06-9-2025
Date of Analysis : 08-9-2025
PROTOCOL : A.P.H.A. 24th Edition

	*I	*II	Limits As per GSR 422E
1. pH	7.31	7.68	6.50-8.50
2. Total dissolved solids	1,489	1,239	2100
3. Total Suspended solids (at 103-105 °C)	45	27	100
4. Chemical oxygen demand	90	49	250
5. Biochemical oxygen demand (3 days at 27 °C)	16	11	30
6. Chlorides as Cl	249	160	600
7. Sulphates as SO ₄	83	36	1000
8. Oil & Grease	0.49	0.11	10
9. Dissolved Oxygen	1.60	0.90	NS
10. Free available chlorine as Cl ₂	Nil	Nil	0.50
11. Copper as Cu	0.12	0.06	1.0
12. Iron as Fe	0.27	0.09	1.0
13. Phosphate as P	0.22	0.10	5.0
14. Zinc as Zn	0.16	0.03	1.0
15. Chromium as Cr+6	0.07	0.02	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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Branch Office : D.No.31-58-103, MIG-71, Phase-7, Road No.4/4, Dwarakapuri Colony, Kurmanapallem, Vishakhapatnam-530046. Tel : 9701505182

Email: lawnenviro@yahoo.co.in, info@lawnenviro.in, URL : www.lawnenviro.in



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TEST REPORT

REF.NO: LAWN/DECCAN/2025

Date: 18-9-2025

WATER ANALYSIS

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

Sample Particulars : Borewell Water
Date of Collection : 06-9-2025
Date of Analysis : 08-9-2025
PROTOCOL : A. P. H. A. 24th Edition

1. pH	:	7.55
2. E.C (micromhos/cm)	:	570
3. Turbidity (NTU)	:	1.10
4. Total dissolved solids	:	315
5. Total hardness	as CaCO ₃ :	175
6. Calcium	as Ca :	48
7. Magnesium	as Mg :	13.87
8. Sodium	as Na :	40.98
9. Potassium	as K :	3.10
10. Chloride	as Cl :	48.06
11. Sulphate	as SO ₄ :	30.98
12. Nitrates	as NO ₃ :	3.41
13. Methyl orange alkalinity	as CaCO ₃ :	172
14. Phenolphthalein alkalinity	as CaCO ₃ :	<5.0
15. Total Alkalinity	as CaCO ₃ :	172
16. Iron	as Fe :	0.18
17. Fluorides	as F :	0.61
18. Lead	as Pb :	0.008
19. Copper	as Cu :	0.015

BACTERIOLOGICAL ANALYSIS

1. Total Plate Count/ml	:	214 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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TEST REPORT

REF.NO: LAWN/DECCAN/2025

Date: 18-9-2025

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 : 06-9-2025
Date of Analysis : 08-9-2025
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	: 7.46	6.50 - 8.50	No relaxation
2. E.C (micromhos/cm)	: 126	--	--
3. Turbidity (NTU)	: Nil	01 max	05 max
4. Total dissolved solids	: 67	500 max	2000 max
5. Total hardness	as CaCO ₃ : 11.94	200 max	600 max
6. Calcium	as Ca : 2.53	75 max	200 max
7. Magnesium	as Mg : 1.29	30 max	100 max
8. Sodium	as Na : 22	--	--
9. Potassium	as K : 0.11	--	--
10. Chloride	as Cl : 12.40	250 max	1000 max
11. Sulphate	as SO ₄ : 3.45	200 max	400 max
12. Nitrates	as NO ₃ : 1.26	45 max	No relaxation
13. Methyl orange alkalinity	as CaCO ₃ : 31	--	--
14. Phenolphthalein alkalinity	as CaCO ₃ : <5.0	--	--
15. Total Alkalinity	as CaCO ₃ : 31	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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TEST REPORT



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REF.NO: LAWN/DECCAN/2025

Date: 18-9-2025

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)	65	60
2. Near Guest House	55	50
3. Near Colony	58	53
4. Near Temple	54	49

- Note:**
- Noise levels are monitored on 06-9-2025.
 - Instrument make - Lutron SL – 4001/G-49271, Calibrated on 20-02-2025, Due on 19-02-2026.
 - 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/2025

Date: 18-9-2025

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 Mahankaligudem (Village)	51	41
2. Near Janpahad Durga (Village)	53	43
3. Near Sunyapahad (Village)	47	38

- Note:**
- Noise levels are monitored on 06-9-2025.
 - Instrument make - Lutron SL – 4001/G-49271, Calibrated on 20-02-2025, Due on 19-02-2026.
 - 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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TEST REPORT

REF.NO: LAWN/DECCAN/2025

Date: 18-9-2025

WORK ZONE NOISE QUALITY DATA

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

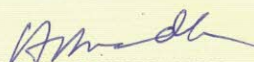
Location	Levels in dB (A)	
	Day Time	Night Time
1. Near Kiln	82	78
2. Near Coal Mill	77	72
3. Near Cement Mill	75	70
4. Near WHR	84	79
5. Near Crusher	81	76
6. Near Slag Mill	83	78
7. Near Stores	66	61
8. Near Commercial Office	70	65

Note: *I 1. Noise levels are monitored on 06-9-2025.

2. Instrument make - Lutron SL – 4001/G-49271, Calibrated On 20-02-2025, Due On 19-02-2026.

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

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


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