



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



ISO 9001, 14001 & 45001
Certified Company

TEST REPORT

REF.NO: LAWN/SCL-M/001/2025

Report Date: 04-10-2025

AMBIENT AIR QUALITY DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED (MINE-2)**
(Pedaveedu works)
(Formerly known as M/s. AMARESWARI CEMENTS LIMITED)
Pedaveedu (V), Mattampally (M),
Suryapet - (Dist).

Location	:	Near Mines Office - ML-2	LIMIT	PROTOCOL/METHOD
1. Date of sampling	:	24-9-2025	--	---
2. Date of Analysis	:	29-9-2025	--	---
3. Total time of monitoring	:	24 hr	--	---
4. Average flow rate (cum/min)	:	1.08	--	---
5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀	:	67	100	IS:5182 (Part-23); 2017 Gravimetric Method
6. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM _{2.5}	:	26	60	IS:5182 (Part-24); 2019 Gravimetric Method
7. Sulphur dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	:	06	80	IS:5182 (Part-2); 2018 New West & Gaeke Method
8. Nitrogen dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	:	15	80	IS:5182 (Part-6); 2017 JACOB & Hochheiser Method
9. CO, Concentration (mg/m ³)	:	0.010	2	IS:5182 (Part-10); 2019 CO Analyzer Method


AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2161-DTH-2011), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026

1. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 17-J-751), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-M/002/2025

Report Date: 04-10-2025

AMBIENT AIR QUALITY DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED (MINE-2)**
(Pedaveedu works)
(Formerly known as M/s. AMARESWARI CEMENTS LIMITED)
Pedaveedu (V), Mattampally (M),
Suryapet - (Dist).

Location	Near ML Area West Side Boundary	LIMIT	PROTOCOL/METHOD
1. Date of sampling	24-9-2025	--	---
2. Date of Analysis	29-9-2025	--	---
3. Total time of monitoring	24 hr	--	---
4. Average flow rate (cum/min)	1.07	--	---
5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀	58	100	IS:5182 (Part-23); 2017 Gravimetric Method
6. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM _{2.5}	20	60	IS:5182 (Part-24); 2019 Gravimetric Method
7. Sulphur dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	10	80	IS:5182 (Part-2); 2018 New West & Gaeke Method
8. Nitrogen dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	22	80	IS:5182 (Part-6); 2017 JACOB & Hochheiser Method
9. CO, Concentration (mg/m^3) :	0.014	2	IS:5182 (Part-10); 2019 CO Analyzer Method


AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2461-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026

1. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 17-F-731), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-M/012/2025

Report Date: 04-10-2025

FUGITIVE EMISSION DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED (MINE-2)**
(Pedaveedu works)
(Formerly known as M/s. AMARESWARI CEMENTS LIMITED)
Pedaveedu (V), Mattampally (M),
Suryapet - (Dist).

PROTOCOL : IS-5182 (Part-4)

S.No.	Location	Date of Sampling	Date of Analysis	SPM ($\mu\text{g}/\text{m}^3$)	LIMITS
1	Near Drilling Area	24-9-2025	29-9-2025	984	2000 mg/m^3
2	Loading Area	24-9-2025	29-9-2025	1,172	
3	Haulage Road cross in Mines	24-9-2025	29-9-2025	880	
4	Near Haulage Road exit in Mine	25-9-2025	29-9-2025	1,046	
5	Pit – 2 Ramp	25-9-2025	29-9-2025	1,128	

AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2161-DTH-2011), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
2. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2461-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
3. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2463-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026