



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/2025

Report Date: 31-3-2025

AMBIENT AIR QUALITY DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED, (MINE-1)**
Mattampally (Post & Mandal),
Suryapet - (Dist).

Location	:	Near Mines Office	LIMIT	PROTOCOL/METHOD
1. Date of sampling	:	17-3-2025	--	---
2. Date of Analysis	:	22-3-2025	--	---
3. Total time of monitoring	:	24 hr	--	---
4. Average flow rate (cum/min)	:	1.13	--	---
5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀	:	62	100	IS:5182 (Part-23); 2017 Gravimetric Method
6. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM _{2.5}	:	24	60	IS:5182 (Part-24); 2019 Gravimetric Method
7. Sulphur dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	:	09	80	IS:5182 (Part-2); 2018 New West & Gaeke Method
8. Nitrogen dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	:	18	80	IS:5182 (Part-6); 2017 JACOB & Hochheiser Method
9. CO, Concentration (mg/m^3) :		0.011	2	IS:5182 (Part-10); 2019 CO Analyzer Method

AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2463-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
1. FINE PARTICULATE SAMPLER MODEL / APM 550; (SL.NO. 912-DTH-2011), 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. SAGAR CEMENTS LIMITED, (MINE-1)**
Mattampally (Post & Mandal),
Suryapet - (Dist).

Location		Near Crusher Area	LIMIT	PROTOCOL/METHOD
1. Date of sampling	:	17-3-2025	--	---
2. Date of Analysis	:	22-3-2025	--	---
3. Total time of monitoring	:	24 hr	--	---
4. Average flow rate (cum/min)	:	1.10	--	---
5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀	:	71	100	IS:5182 (Part-23); 2017 Gravimetric Method
6. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM _{2.5}	:	30	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 ($\mu\text{g}/\text{m}^3$)	:	20	80	IS:5182 (Part-6); 2017 JACOB & Hochheiser Method
9. CO, Concentration (mg/m ³)	:	0.016	2	IS:5182 (Part-10); 2019 CO Analyzer Method

AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2465-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026

1. FINE PARTICULATE SAMPLER MODEL / APM 550; (SL.NO. 931-DTH-2011), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026



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FUGITIVE EMISSION DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED, (MINE-1)**
Mattampally (Post & Mandal),
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 Unloading	21-3-2025	22-3-2025	1,381	2000 ($\mu\text{g}/\text{m}^3$)
2	Near Haulage Road	21-3-2025	22-3-2025	1,074	
3	Near Secondary Crusher	21-3-2025	22-3-2025	1,238	
4	Conveyor Transfer Point - 1	22-3-2025	22-3-2025	1,342	
5	Conveyor Transfer Point - 2	22-3-2025	22-3-2025	1,312	
6	Near Drilling Area	22-3-2025	22-3-2025	1,466	
7	Near Haulage Road-2 (Near HSD Bunk)	22-3-2025	22-3-2025	1,148	

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
4. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2465-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026