



ISO 9001, 14001 & 45001  
CERTIFIED COMPANY

# LAWN ENVIRO ASSOCIATES

[Engineers & Consultants in Pollution Control]

Recognised by Ministry of Environment Forest & Climate Change (MoEF & CC), GOI, New Delhi  
& Laboratory Accredited by NABL

## TEST REPORT

REF.NO: LAWN/SCL-M/2024

Report Date: 01-7-2024

### 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	:	22-6-2024	--	---
2. Date of Analysis	:	24-6-2024	--	---
3. Total time of monitoring	:	<b>24 hr</b>	--	---
4. Average flow rate (cum/min)	:	1.12	--	---
5. Particulate matter Concentration ( $\mu\text{g}/\text{m}^3$ ) -PM <sub>10</sub>	:	66	100	IS:5182 (Part-23); 2017 Gravimetric Method
6. Particulate matter Concentration ( $\mu\text{g}/\text{m}^3$ ) -PM <sub>2.5</sub>	:	25	60	IS:5182 (Part-24); 2019 Gravimetric Method
7. Sulphur dioxide (SO <sub>2</sub> ) Concentration ( $\mu\text{g}/\text{m}^3$ )	:	06	80	IS:5182 (Part-2); 2018 New West & Gaeke Method
8. Nitrogen dioxide (NO <sub>2</sub> ) Concentration ( $\mu\text{g}/\text{m}^3$ )	:	16	80	IS:5182 (Part-6); 2017 JACOB & Hochheiser Method
9. CO, Concentration ( $\text{mg}/\text{m}^3$ )	:	0.012	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 30-12-2023, DUE ON 29-12-2024
1. FINE PARTICULATE SAMPLER MODEL / APM 550; (SL.NO. 912-DTH-2011), CALIBRATED ON 30-12-2023, DUE ON 29-12-2024

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

Branch Office : D.No.31-58-103, MIG-71, Phase-7, Road No.4/4, Dwarakapuri Colony, Kurmanapallem, Vishakhapatnam-530046.Tel : 9701505182

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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	:	22-6-2024	--	---
2. Date of Analysis	:	24-6-2024	--	---
3. Total time of monitoring	:	<b>24 hr</b>	--	---
4. Average flow rate (cum/min)	:	1.05	--	---
5. Particulate matter Concentration ( $\mu\text{g}/\text{m}^3$ ) -PM <sub>10</sub>	:	72	100	IS:5182 (Part-23); 2017 Gravimetric Method
6. Particulate matter Concentration ( $\mu\text{g}/\text{m}^3$ ) -PM <sub>2.5</sub>	:	29	60	IS:5182 (Part-24); 2019 Gravimetric Method
7. Sulphur dioxide (So <sub>2</sub> ) Concentration ( $\mu\text{g}/\text{m}^3$ )	:	09	80	IS:5182 (Part-2); 2018 New West & Gaeke Method
8. Nitrogen dioxide (No <sub>2</sub> ) Concentration ( $\mu\text{g}/\text{m}^3$ )	:	18	80	IS:5182 (Part-6); 2017 JACOB & Hochheiser Method
9. CO, Concentration (mg/m <sup>3</sup> )	:	0.027	2	IS:5182 (Part-10); 2019 CO Analyzer Method



*[Signature]*  
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1. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2465-DTA-2019), CALIBRATED ON 30-12-2023, DUE ON 29-12-2024

1. FINE PARTICULATE SAMPLER MODEL / APM 550; (SL.NO. 931-DTH-2011), CALIBRATED ON 30-12-2023, DUE ON 29-12-2024

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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	17-6-2024	24-6-2024	1,512	2000 ( $\mu\text{g}/\text{m}^3$ )
2	Near Haulage Road	17-6-2024	24-6-2024	1,175	
3	Near Secondary Crusher	17-6-2024	24-6-2024	1,286	
4	Conveyor Transport Point - 1	18-6-2024	24-6-2024	1,408	
5	Conveyor Transport Point - 1	18-6-2024	24-6-2024	1,488	
6	Near Drilling Area	18-6-2024	24-6-2024	1,338	
7	Near Haulage Road-2 (Near HSD Bank)	19-6-2024	24-6-2024	1,038	



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1. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2161-DTH-2011), CALIBRATED ON 30-12-2023, DUE ON 29-12-2024
2. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2461-DTA-2019), CALIBRATED ON 30-12-2023, DUE ON 29-12-2024
3. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2463-DTA-2019), CALIBRATED ON 30-12-2023, DUE ON 29-12-2024

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