



ISO 9001, 14001 & 45001
CERTIFIED COMPANY

LAWN ENVIRO PRIVATE LIMITED

(Formerly M/s. Lawn Enviro Associates)

[Environmental Engineers & Consultants in Pollution Control]

Recognised by Ministry of Environment Forest & Climate Change, GOI, New Delhi and Laboratory Accredited by NABL

TEST REPORT

REF.NO: LAWN/SCL-M/2024

Report Date: 30-9-2024

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	Mines Office (ML-2)	LIMIT	PROTOCOL/METHOD
1. Date of sampling	20-9-2024	--	---
2. Date of Analysis	23-9-2024	--	---
3. Total time of monitoring	24 hr	--	---
4. Average flow rate (cum/min)	1.05	--	---
5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀	64	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 ($\mu\text{g}/\text{m}^3$)	08	80	IS:5182 (Part-2); 2018 New West & Gaeke Method
8. Nitrogen dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	21	80	IS:5182 (Part-6); 2017 JACOB & Hochheiser Method
9. CO, Concentration (mg/m^3)	0.008	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 30-12-2023, DUE ON 29-12-2024

1. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 17-J-751), 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

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



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Pedaveedu (V), Mattampally (M),
Suryapet - (Dist).

Location	:	Near ML Area West Side Boundary	LIMIT	PROTOCOL/METHOD
1. Date of sampling	:	20-9-2024	--	---
2. Date of Analysis	:	23-9-2024	--	---
3. Total time of monitoring	:	24 hr	--	---
4. Average flow rate (cum/min)	:	1.04	--	---
5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀	:	73	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 ($\mu\text{g}/\text{m}^3$)	:	12	80	IS:5182 (Part-2); 2018 New West & Gaeke Method
8. Nitrogen dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	:	24	80	IS:5182 (Part-6); 2017 JACOB & Hochheiser Method
9. CO, Concentration (mg/m^3) :	:	0.025	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 30-12-2023, DUE ON 29-12-2024

1. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 17-F-731), 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-2)**
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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	21-9-2024	23-9-2024	1,044	2000 mg/m^3
2	Near Loading Area	21-9-2024	23-9-2024	1,232	
3	Near Haulage Road cross in Mines	21-9-2024	23-9-2024	928	
4	Near Haulage Road exit in Mine	22-9-2024	23-9-2024	1,024	
5	Pit - 2 Ramp	22-9-2024	23-9-2024	1,175	


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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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