



B.S. ENVI - TECH PVT. LTD.

ENVIRONMENTAL CONSULTANTS & ANALYTICAL LABORATORY

TEST REPORT

AMBIENT AIR QUALITY REPORT

Project : Gudipadu Lime Stone Mine of Sagar Cements Ltd,
Location : Gudipadu (V), Yadiki (M), Ananthapur (D), A.P.,
Month : December-2025.

S.No	Location	Date of Monitoring	24-hourly Concentration, [µg/m³]			
			PM ₁₀	PM _{2.5}	SO ₂	NO ₂
Filter Paper: Whatmann						
Flow Rate for PM ₁₀ : 0.9 - 1.4 m³/Min						
Flow Rate for PM _{2.5} : 0.0167 m³/Min						
Core Zone						
A1	Mines Pit Upwind	18.12.2025	46.3	22.1	12.3	13.8
A2	Mines Pit Downwind	18.12.2025	50.1	26.5	14.8	15.0
A3	Crusher Area	19.12.2025	68.3	31.7	15.3	16.2
A4	Haul Road	19.12.2025	63.9	20.4	10.4	11.6
Buffer Zone						
A5	Mines Office	18.12.2025	51.0	31.6	16.7	17.4
A6	Gudipadu	18.12.2025	41.6	23.5	12.7	15.5
A7	Gorvimanipalli	19.12.2025	34.8	22.0	14.6	17.1
A8	Boyareddypalli	19.12.2025	45.5	24.7	18.5	19.4
NAAQ Standards for Industrial, Residential, Rural and Other Areas (24 hourly standard)			100 [µg/m³]	60 [µg/m³]	80 [µg/m³]	80 [µg/m³]

NABL Certificate No.: TC- 5233

NABET Certificate No.: NABET/EIA/2326/RA 0302(Rev.01)

Method of Analysis for PM₁₀& PM_{2.5}: Gravimetric Method.

Method of Analysis for SO₂: Improved West & Geake Method.

Method of Analysis for NO₂: Jacob & Hocheiser Method.

Duration: Sample was collected on 24 hourly basis.

B.S. Narashimharaju Jogi
Authorized Signatory
B.S.Narashimharaju Jogi