



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 : September-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	19.09.2025	45.2	20.3	10.3	11.7
A2	Mines Pit Downwind	19.09.2025	53.4	25.6	11.8	12.6
A3	Crusher Area	18.09.2025	63.7	28.7	8.6	9.9
A4	Haul Road	18.09.2025	61.9	23.2	7.5	8.8
Buffer Zone						
A5	Mines Office	19.09.2025	49.3	29.1	13.5	14.6
A6	Gudipadu	19.09.2025	40.2	19.3	10.5	11.6
A7	Gorvimanipalli	18.09.2025	38.6	18.6	12.9	13.7
A8	Boyareddypalli	18.09.2025	44.3	22.4	14.5	15.9
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.



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Authorized Signatory
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