

**GLOBAL EXPERTS**

(A Techno-Enviro. Consultant)
An ISO-9001:2008 Certified Company

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AMBIENT AIR QUALITY RESULTS

Name of Industry & Address	:	M/s SHIVA CEMENT LIMITED Teleghana, Kutra, Sundargarh
Date of Monitoring	:	23-11-14
Date of Analysis	:	26-11-14
Reference No.	:	Air-39(a)/14

Pollutant	Concentration in Ambient Air			Protocol	Instrument used and Method of Measurement
	Main Gate	Office Building	Kiln Site		
	1	2	3		
Particulate Matter (PM ₁₀)	78.1	76.7	82.9	IS : 5182(Pt 23)	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Particulate Matter (PM _{2.5})	43.8	43.3	45.6	EPA Guideline	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Sulfur Dioxide (SO ₂)	12.2	12.5	12.7	IS : 5182(Pt 2)	Spectrophotometric Analysis (West-Gaeke Method)
Oxides of Nitrogen (NO _x)	14.7	13.3	13.9	IS : 5182(Pt 6)	Jacob & Hochheiser Modified(Na-Arsenite) Method
Carbon Monoxide(CO)	423	395	437	NDIR	Non dispersive Infrared Spectrometry

Units: PM₁₀, PM_{2.5}, SO₂, NO_x & CO all in µg/m³

Permissible Standard) :
100 µg/m³ (for PM₁₀)
60 µg/m³ (for PM_{2.5})
80 µg/m³ (for SO₂ & NO_x)
4000 µg/m³ (for CO)

For GLOBAL EXPERTS


(Authorised Signatory)