

**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	:	25-03-2015
Date of Analysis	:	28-03-2015
Reference No.	:	Air-62/14

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)	80.7	79.4	89.2	IS : 5182(Pt 23)	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Particulate Matter (PM _{2.5})	47.5	46.9	52.6	EPA Guideline	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Sulfur Dioxide (SO ₂)	11.3	10.8	12.9	IS : 5182(Pt 2)	Spectrophotometric Analysis (West-Gaeke Method)
Oxides of Nitrogen (NO _x)	14.8	13.5	16.1	IS : 5182(Pt 6)	Jacob & Hochheiser Modified(Na-Arsenite) Method
Carbon Monoxide(CO)	423	397	415	NDIR	Non dispersive Infrared Spectrometry

Units: PM₁₀, PM_{2.5}, SO₂, NO_x & CO all in $\mu\text{g}/\text{m}^3$

Permissible Standard) :
100 $\mu\text{g}/\text{m}^3$ (for PM₁₀)
60 $\mu\text{g}/\text{m}^3$ (for PM_{2.5})
80 $\mu\text{g}/\text{m}^3$ (for SO₂ & NO_x)
4000 $\mu\text{g}/\text{m}^3$ (for CO)

For GLOBAL EXPERTS


(Authorised Signatory)