



GLOBAL TECH. ENVIRO EXPERTS PVT. LTD.
(FORMERLY GLOBAL EXPERTS)
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	:	22-05-15
Date of Analysis	:	24-05-15
Reference No.	:	Air-12/15

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)	79.2	73.9	86.3	IS : 5182(Pt 23)	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Particulate Matter (PM _{2.5})	47.6	43.8	49.7	EPA Guideline	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Sulfur Dioxide (SO ₂)	10.3	10.1	11.6	IS : 5182(Pt 2)	Spectrophotometric Analysis (West-Gaeke Method)
Oxides of Nitrogen (NO _x)	14.7	13.5	14.9	IS : 5182(Pt 6)	Jacob & Hochheiser Modified(Na-Arsenite) Method
Carbon Monoxide(CO)	431	362	411	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 Tech Enviro Experts Pvt. Ltd.

(Authorised Signatory)