



**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	:	21-12-15
Date of Analysis	:	23-12-15
Reference No.	:	Air-49/ 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 <sub>10</sub> )	59.2	62.1	65.9	IS : 5182(Pt 23)	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Particulate Matter (PM <sub>2.5</sub> )	34.4	35.7	38.9	EPA Guideline	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Sulfur Dioxide (SO <sub>2</sub> )	9.8	10.2	10.8	IS : 5182(Pt 2)	Spectrophotometric Analysis (West-Gaeke Method)
Oxides of Nitrogen (NO <sub>x</sub> )	11.9	12.8	13.7	IS : 5182(Pt 6)	Jacob & Hochheiser Modified(Na-Arsenite) Method
Carbon Monoxide(CO)	349	342	367	NDIR	Non dispersive Infrared Spectrometry

Units: PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> & CO all in µg/m<sup>3</sup>

Permissible Standard) :  
100 µg/m<sup>3</sup> (for PM<sub>10</sub>)  
60 µg/m<sup>3</sup> (for PM<sub>2.5</sub>)  
80 µg/m<sup>3</sup> (for SO<sub>2</sub> & NO<sub>x</sub>)  
4000 µg/m<sup>3</sup> (for CO)

For Global Tech Enviro Experts Pvt. Ltd.

(Authorised Signatory)