



**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 : 21.03.16  
Date of Analysis : 24.03.16  
Reference No. : Air-63/15

Pollutant	Concentration in Ambient Air			NAAQS 2009 In $\mu\text{g}/\text{m}^3$	Protocol	Instrument used and Method of Measurement
	Main Gate	Office Building	Kiln Site			
	1	2	3			
Particulate Matter ( $\text{PM}_{10}$ )	62.9	74.3	81.7	100	IS : 5182(Pt 23)	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Particulate Matter ( $\text{PM}_{2.5}$ )	34.7	43.8	47.3	60	EPA Guideline	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Sulfur Dioxide ( $\text{SO}_2$ )	9.7	9.8	10.9	80	IS : 5182(Pt 2)	Spectropho- tometric Analysis (West-Gaeke Method)
Oxides of Nitrogen ( $\text{NO}_x$ )	14.1	13.8	15.2	80	IS : 5182(Pt 6)	Jacob & Hochheiser Modified(Na- Arsenite) Method
Carbon Monoxide( $\text{CO}$ )	464	378	462	4000	NDIR	Non dispersive Infrared Spectrometry

For Global Tech Enviro Experts Pvt. Ltd.

(Authorised Signatory)