



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

C-23, BJB Nagar,
Bhubaneswar-751014
Ph.: 0674-2436853
Fax:- 0674-2433487
E-mail- globalexerts@rediffmail.com
globalexerts@gmail.com
consult@globalexerts.in
visit us: www.globalexerts.in

AMBIENT AIR QUALITY RESULTS

Name of Industry & Address	:	M/s SHIVA CEMENT LIMITED Teleghana, Kutra, Sundargarh
Date of Monitoring	:	24-10-14
Date of Analysis	:	27-10-14
Reference No.	:	Air-34(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)	71.2	73.6	79.8	IS : 5182(Pt 23)	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Particulate Matter (PM _{2.5})	40.8	42.1	46.5	EPA Guideline	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Sulfur Dioxide (SO ₂)	12.4	12.7	13.4	IS : 5182(Pt 2)	Spectrophotometric Analysis (West-Gaeke Method)
Oxides of Nitrogen (NO _x)	14.9	13.1	14.2	IS : 5182(Pt 6)	Jacob & Hochheiser Modified(Na-Arsenite) Method
Carbon Monoxide(CO)	412	389	428	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)