



GLOBAL TECH. ENVIRO EXPERTS PVT. LTD.

(FORMERLY GLOBAL EXPERTS)
An ISO-9001:2008 Certified Company

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STACK MONITORING RESULT

Name of Industry & Address : M/s SHIVA CEMENT LIMITED
Teleghana, Kutra, Sundargarh
Stack Pattern : Circular
Date of Monitoring : 23-02-16
Date of Analysis : 26.02.16
Reference No. : Stk-53/15

Sl. No.	Parameters	(Result)				Protocols
		Cement Mill	Kiln	Coal Mill	Raw Material Mill	
1	Particulate Matter (PM) in mg/Nm ³ .	72.1	69.8	68.7	66.4	IS:11255 (Pt 1)
2	Flue Gas Temperature (°C) T _s	28.3	104.8	25.6	24.8	IS:11255 (Pt 3)
3	Flue Gas Velocity (m/s)	3.8	5.7	4.8	4.3	IS:11255 (Pt 3)
4	Ambient Temperature °C (T _a)	24.9	26.7	23.8	24.5	-
5	Height of H ₂ O Column in mm	1.29	2.27	2.07	1.66	-
6	Carbon Monoxide (CO) in ppm	-	136	-	-	IS:13270/GC
7	Carbon Dioxide (CO ₂) in %	-	8.2	-	-	IS:13270/GC
8	Oxygen (O ₂) in %	-	12.3	-	-	Orsat Apparatus
9	Sulfur Dioxide (SO ₂) in ppm	-	106	-	-	IS:11255 (Pt 2)
10	Oxides of Nitrogen (NO _x) in ppm	-	39	-	-	IS:11255 (Pt 7)

Sampling Instrument : Stack Monitoring Kit VSS-I & Flue Gas Analyzer (Quintox)
Permissible Standard for PM: 150 mg/ Nm³.

For Global Tech Enviro Experts Pvt. Ltd.


(Authorised Signatory)