

STACK MONITORING RESULT

Name of Industry & Address : M/s SHIVA CEMENT LIMITED
 Teleghana, Kutra, Sundargarh

Stack Pattern : Circular

Date of Monitoring : 27-04-16

Date of Analysis : 29-04-16

Reference No. : Stk-01/16

Sl. No.	Parameters	(Result)				Protocols
		Cement Mill	Kiln	Coal Mill	Raw Material Mill	
1	Particulate Matter (PM) in mg/Nm ³ .	75.7	62.4	71.1	73.6	IS:11255 (Pt 1)
2	Flue Gas Temperature (°C) T _s	43.2	107.9	42.3	42.1	IS:11255 (Pt 3)
3	Flue Gas Velocity (m/s)	3.8	5.9	3.9	4.1	IS:11255 (Pt 3)
4	Ambient Temperature °C (T _a)	41.4	42.5	42.1	41.9	-
5	Height of H ₂ O Column in mm	1.21	2.42	1.25	1.39	-
6	Carbon Monoxide (CO) in ppm	-	173	-	-	IS:13270/GC
7	Carbon Dioxide (CO ₂) in %	-	8.9	-	-	IS:13270/GC
8	Oxygen (O ₂) in %	-	12.1	-	-	Orsat Apparatus
9	Sulfur Dioxide (SO ₂) in ppm	-	97	-	-	IS:11255 (Pt 2)
10	Oxides of Nitrogen (NO _x) in ppm	-	41	-	-	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)