



# GLOBAL TECH. ENVIRO EXPERTS PVT. LTD.

(FORMERLY GLOBAL EXPERTS)

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## AMBIENT AIR QUALITY RESULTS

Name of Industry & Address	:	M/s. Khatkurbahal Limestone Mines Khatkurbahal, Kutra, Sundargarh
Date of Monitoring	:	24-08-15
Date of Analysis	:	26-08-15
Reference No.	:	Air-25/15

Pollutant	Concentration in Ambient Air		Protocol	Instrument used and Method of Measurement
	Office Site (South)	Mining Site (North)		
	1	2		
Particulate Matter (PM <sub>10</sub> )	42.8	51.3	IS : 5182(Pt 23)	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Particulate Matter (PM <sub>2.5</sub> )	23.9	30.1	EPA Guideline	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Sulfur Dioxide (SO <sub>2</sub> )	10.8	11.2	IS : 5182(Pt 2)	Spectrophotometric Analysis (West-Gaeke Method)
Oxides of Nitrogen (NO <sub>x</sub> )	11.4	13.1	IS : 5182(Pt 6)	Jacob & Hochheiser Modified(Na-Arsenite) Method
Carbon Monoxide(CO)	325	341	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)