

MONTH – January-2016

AMBIENT AIR MONITORING REPORT

Monitoring Station	Avg. PM₁₀ (µg/m³)	Avg. PM_{2.5} (µg/m³)	Avg. SO₂ (µg/m³)	Avg. NOx (µg/m³)	Avg. CO (µg/m³)
Khairtal Village	45.25	26.94	9.06	8.74	BDL
Kukurdihi Village	41.7	30.75	9.62	9.6	BDL
Guest House	46.56	26.56	8.25	9.56	BDL
Water Treatment Plant	57.42	34.96	10.4	12.72	BDL
Mines Field Office	58.73	36.46	11.6	12.67	BDL
Railway Operation	63.03	35.94	11.79	12.03	BDL

BDL: Below Detectable level

STACK MONITORING REPORT

Monitoring Station	Particulate Matter (mg/Nm3)
Kiln Stack (Line- 1)	7.3
Crusher Stack (Line- 1)	8.6
Cooler (Line- 1)	13.7
Coal Mill (Line- 1)	16.1
Cement Mill – 1	23.9
Cement Mill – 2	12.8
Cement VRPM stack	16.9
Cement Mill- 3	11.2
Kiln Stack (Line- 2)	8.9
Crusher Stack (Line- 2)	7.9
Coal Mill (Line- 2)	11.8
Cooler (Line- 2)	16.6
DG – 04 MW	Didn't Run in the month
TPP- 15 MW (Old)	21.3
TPP- 33 MW	26.1
TPP- 15 MW (New)	Didn't Run in the month

AMBIENT NOISE LEVEL REPORT

Location	Noise Level (dB)	
	Day Time (dB)	Night Time (dB)
Plant Canteen Area	59.7	59.3
Colony	47.9	47.4
Near Old CCR Building	66.2	65.7
Near New CCR Building	66.9	66.5
Mines Field Office	66	65.6
Mines Office	57.1	56.6
TPP area	65.8	65.4
Main office	58.1	57.8

WATER QUALITY REPORT

EFFLUENT QUALITY							
	pH	COD	BOD	Oil & Grease	S.S.	TDS	Remark
STP (treated)	6.95	19.2	4.0	<0.2	4	850.5	
Mines Work Shop (treated)	7	40	6	<0.2	18	406	
TPP DM Plant back wash (RO installed)	5.55	8	< 2	< 0.2	< 2	78	

Note: All parameters are in mg/l except pH.