

MONTH – May-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	54.8	30.3	8.03	7.56	BDL
Kukurdihi Village	58.1	38.1	10.7	15.8	BDL
Guest House	53	24.1	5.53	15.2	BDL
Water Treatment Plant	61	38.8	11.7	14.7	BDL
Mines Field Office	64.5	38.3	8.67	18.3	BDL
Railway Operation	57	33.2	9.21	15.8	BDL

BDL: Below Detectable level

STACK MONITORING REPORT

Monitoring Station	Particulate Matter (mg/Nm³)
Kiln Stack (Line- 1)	27.2
Crusher Stack (Line- 1)	25.8
Cooler (Line- 1)	29.2
Coal Mill (Line- 1)	26.7
Cement Mill – 1	28.9
Cement Mill – 2	26.8
Cement VRPM stack	23.8
Cement Mill- 3	28.4
Kiln Stack (Line- 2)	9.15
Crusher Stack (Line- 2)	27.1
Coal Mill (Line- 2)	29.7
Cooler (Line- 2)	24.6
DG – 04 MW	Didn't Run in the month
TPP- 15 MW (Old)	Didn't Run in the month
TPP- 33 MW	41.5
TPP- 15 MW (New)	47.5

AMBIENT NOISE LEVEL REPORT

Location	Noise Level (dB)	
	Day Time (dB)	Night Time (dB)
Plant Canteen Area	64.95	63.55
Colony	47.1	45.8
Near Old CCR Building	66.05	64.4
Near New CCR Building	66.9	64.95
Mines Field Office	61.1	59.5
Mines Office	59.4	58
TPP area	66.25	64.8
Main office	64.1	63.2

WATER QUALITY REPORT

EFFLUENT QUALITY							
	pH	COD	BOD	Oil & Grease	S.S.	TDS	Remark
STP (treated)	7.47	48	<2	<0.2	10	554.7	
Mines Work Shop (treated)	7.58	56	<2	0.4	28	451.9	
TPP DM Plant back wash (RO installed)	5.72	8	<2	<0.2	<2	46.4	

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