

MONTH – May 2014

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	62.3	31.4	11.5	9.1	BDL
Kukurdih Village	58.7	27.7	10.4	9.7	BDL
Guest House	68.3	33.3	12.0	12.3	BDL
Water Treatment Plant	73.7	36.4	12.7	13.2	BDL
Mines Field Office	83.2	41.7	14.7	18.0	BDL
Railway Operation	80.4	39.6	12.5	13.7	BDL

BDL: Below Detectable level

STACK MONITORING REPORT

Monitoring Station	Particulate Matter (mg/Nm³)
Kiln Stack (Line- 1)	5.4
Crusher Stack (Line- 1)	15.1
Cooler (Line- 1)	23.2
Coal Mill (Line- 1)	25.3
Cement Mill – 1	26.9
Cement Mill – 2	7.4
Cement VRPM stack	19.3
Cement Mill- 3	14.4
Kiln Stack (Line- 2)	8.5
Crusher Stack (Line- 2)	37.2
Coal Mill (Line- 2)	24.3
Cooler (Line- 2)	16.7
DG - 04 MW	Didn't run in the month
DG - 10 MW	Didn't run in the month
TPP- 15 MW (Old)	31.0
TPP- 33 MW	24.1
TPP- 15 MW (New)	16.0

AMBIENT NOISE LEVEL REPORT

Location	Noise Level (dB)
Plant Canteen Area	55.8
Colony	42.9
Near CCR Building	68.9
Mines Field Office	64.8
Mines Office	60.2
TPP area	64.8
Main office	56.8

WATER QUALITY REPORT

EFFLUENT QUALITY							
	pH	COD	BOD	Oil & Grease	S.S.	TDS	Remark
STP (treated)	7.4	48	14	Nil	23	461	
Mines Work Shop (treated)	7.5	40	12	2.2	17	314	
TPP DM Plant back wash (RO installed)	5.4	Nil	Nil	Nil	0	26	

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