

MONTH – December 2014

AMBIENT AIR MONITORING REPORT

Monitoring Station	Avg. PM ₁₀ (µg/m ³)	Avg. PM _{2.5} (µg/m ³)	Avg. SO ₂ (µg/m ³)	Avg. NO _x (µg/m ³)	Avg. CO (µg/m ³)
Khairtal Village	37.1	24.6	8.3	8.0	BDL
Kukurdih Village	35.2	24.1	8.0	8.6	BDL
Guest House	45.1	30.2	9.9	10.3	BDL
Water Treatment Plant	49.4	29.7	9.1	9.9	BDL
Mines Field Office	49.6	31.2	9.5	10.2	BDL
Railway Operation	44.4	29.2	9.2	10.2	BDL

BDL: Below Detectable level

STACK MONITORING REPORT

Monitoring Station	Particulate Matter (mg/Nm ³)
Kiln Stack (Line- 1)	8.9
Crusher Stack (Line- 1)	14.6
Cooler (Line- 1)	21.1
Coal Mill (Line- 1)	18.1
Cement Mill – 1	32.8
Cement Mill – 2	6.4
Cement VRPM stack	20.7
Cement Mill- 3	10.5
Kiln Stack (Line- 2)	6.2
Crusher Stack (Line- 2)	19.7
Coal Mill (Line- 2)	24.8
Cooler (Line- 2)	23.6
DG – 04 MW	Didn't run in the month
DG – 10 MW	Didn't run in the month
TPP- 15 MW (Old)	Didn't run in the month
TPP- 33 MW	36.3
TPP- 15 MW (New)	28.3

AMBIENT NOISE LEVEL REPORT

Location	Noise Level (dB)
Plant Canteen Area	64.8
Colony	47.6
Near CCR Building	68.7
Mines Field Office	65.9
Mines Office	61.1
TPP area	67.7
Main office	63.0

WATER QUALITY REPORT

EFFLUENT QUALITY							
	pH	COD	BOD	Oil & Grease	S.S.	TDS	Remark
STP (treated)	7.6	44	16	Nil	24	382	
Mines Work Shop (treated)	7.7	28	10	1.8	22	361	
TPP DM Plant back wash (RO installed)	5.7	Nil	Nil	Nil	0	69	

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