

**MONTH –January-2017**

**AMBIENT AIR MONITORING REPORT**

Monitoring Station	Avg. PM <sub>10</sub> (µg/m <sup>3</sup> )	Avg. PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Avg. SO <sub>2</sub> (µg/m <sup>3</sup> )	Avg. NO <sub>x</sub> (µg/m <sup>3</sup> )	Avg. CO (µg/m <sup>3</sup> )
Khairtal Village	56.8	24.7	4.36	9.32	BDL
Kukurdih Village	65.1	27.7	3.19	18.5	BDL
Guest House	67.8	28.1	2.96	12.9	BDL
Water Treatment Plant	57.8	26.1	2.98	21.7	BDL
Mines Field Office	65.5	28.1	3.33	25	BDL
Railway Operation	65.5	29.8	21.6	16.3	BDL

**BDL: Below Detectable level**

**STACK MONITORING REPORT**

Monitoring Station	Particulate Matter (mg/Nm <sup>3</sup> )
Kiln Stack (Line- 1)	27.1
Crusher Stack (Line- 1)	21.8
Cooler (Line- 1)	19.1
Coal Mill (Line- 1)	28.1
Cement Mill – 1	27.7
Cement Mill – 2	18.7
Cement VRPM stack	Didn't Run in the month
Cement Mill- 3	28
Kiln Stack (Line- 2)	14.8
Crusher Stack (Line- 2)	26.6
Coal Mill (Line- 2)	23.4
Cooler (Line- 2)	18.2
DG – 04 MW	Didn't Run in the month
TPP- 15 MW (Old)	23.7
TPP- 33 MW	19.9
TPP- 15 MW (New)	34.9

**AMBIENT NOISE LEVEL REPORT**

Location	Noise Level (dB)	
	Day Time (dB)	Night Time (dB)
Plant Canteen Area	65.6	60.6
Colony	45.4	40.5
Near Old CCR Building	64.7	62.5
Near New CCR Building	70.6	64.2
Mines Field Office	66.5	57
Mines Office	71	58.7
TPP area	66.1	65.2
Main office	65	61.8

**WATER QUALITY REPORT**

	EFFLUENT QUALITY						Remark
	pH	COD	BOD	Oil & Grease	S.S.	TDS	
STP (treated)	7.54	56	6	<0.2	4	564	
Mines Work Shop (treated)	7.66	40	2	<0.2	4	262	
TPP DM Plant back wash (RO installed)	6.81	16	< 2	<0.2	2	22	

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