

**MONTH – April-2016**

**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	63	41.2	5.21	9.57	BDL
Kukurdih Village	58.8	38.9	11.4	36.3	BDL
Guest House	55.9	36.8	8.65	10.9	BDL
Water Treatment Plant	58	37.9	8.4	15.6	BDL
Mines Field Office	64.4	42.8	8.09	13.1	BDL
Railway Operation	52.7	33.9	7.21	6.83	BDL

**BDL: Below Detectable level**

**STACK MONITORING REPORT**

Monitoring Station	Particulate Matter (mg/Nm <sup>3</sup> )
Kiln Stack (Line- 1)	25.4
Crusher Stack (Line- 1)	25.6
Cooler (Line- 1)	23.3
Coal Mill (Line- 1)	28.7
Cement Mill – 1	28.9
Cement Mill – 2	14.2
Cement VRPM stack	20.2
Cement Mill- 3	12.2
Kiln Stack (Line- 2)	5.10
Crusher Stack (Line- 2)	27.6
Coal Mill (Line- 2)	27.6
Cooler (Line- 2)	21.1
DG – 04 MW	Didn't Run in the month
TPP- 15 MW (Old)	Didn't Run in the month
TPP- 33 MW	44.9
TPP- 15 MW (New)	42.5

**AMBIENT NOISE LEVEL REPORT**

Location	Noise Level (dB)	
	Day Time (dB)	Night Time (dB)
Plant Canteen Area	66.3	64.5
Colony	47.2	45.7
Near Old CCR Building	67.4	65.6
Near New CCR Building	66.9	65.2
Mines Field Office	63	61
Mines Office	65.8	64.5
TPP area	64.2	62.7
Main office	63.8	62.2

**WATER QUALITY REPORT**

	EFFLUENT QUALITY						Remark
	pH	COD	BOD	Oil & Grease	S.S.	TDS	
STP (treated)	7.08	8	<2	<0.2	30	574	
Mines Work Shop (treated)	7.31	8	<2	<0.2	6	390	
TPP DM Plant back wash (RO installed)	5.56	8	<2	<0.2	2	20	

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