

MONTH –December-2017

AMBIENT AIR MONITORING REPORT

Monitoring Station	Avg. PM₁₀ (µg/m³)	Avg. PM_{2.5} (µg/m³)	Avg. SO₂ (µg/m³)	Avg. NO_x (µg/m³)	Avg. CO (µg/m³)
Khairtal Village	54.9	26.3	8.29	17.2	BDL
Kukurdihi Village	60.2	27.5	8.71	17.2	BDL
Guest House	57.9	24.6	8.69	17.9	BDL
Water Treatment Plant	54.9	27.6	10	18.1	BDL
Mines Field Office	58.6	25.2	8.25	16.4	BDL
Railway Operation	59.4	27.9	9.51	17.6	BDL

BDL: Below Detectable level

STACK MONITORING REPORT

Monitoring Station	Particulate Matter (mg/Nm³)
Kiln Stack (Line- 1)	22.2
Crusher Stack (Line- 1)	23.1
Cooler (Line- 1)	24.9
Coal Mill (Line- 1)	23.8
Cement Mill – 1	22.8
Cement Mill – 2	27.2
Cement VRPM stack	Didn't Run in the month
Cement Mill- 3	21.2
Kiln Stack (Line- 2)	16.8
Crusher Stack (Line- 2)	26.7
Coal Mill (Line- 2)	19.4
Cooler (Line- 2)	24.5
DG – 04 MW	Didn't Run in the month
TPP- 15 MW (Old)	23.9
TPP- 33 MW	24.5
TPP- 15 MW (New)	31

AMBIENT NOISE LEVEL REPORT

Location	Noise Level (dB)	
	Day Time (dB)	Night Time (dB)
Plant Canteen Area	68.7	64.7
Colony	53.7	44.6
Near Old CCR Building	68.7	67.4
Near New CCR Building	70	68.9
Mines Field Office	65.7	49.1
Mines Office	65.1	47.8
TPP area	69.8	65.6
Main office	68	64.3

WATER QUALITY REPORT

EFFLUENT QUALITY							
	pH	COD	BOD	Oil & Grease	S.S.	TDS	Remark
STP (treated)	7.07	40.2	3.80	0.05	4.80	722	
Mines Work Shop (treated)	8	52.2	6.20	0.2	5.6	538	
TPP DM Plant back wash (RO installed)	5.57	8.03	< 2.0	< 0.02	<2.0	26	

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