

MONTH –September-2017

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	48.8	21.1	8.58	13.5	BDL
Kukurdihi Village	43.3	19.3	9.83	15.9	BDL
Guest House	46.5	19.3	6.58	12.7	BDL
Water Treatment Plant	39.9	17.7	6.72	14.1	BDL
Mines Field Office	42.1	18.3	10.7	8.5	BDL
Railway Operation	40.3	17.7	6.46	15	BDL

BDL: Below Detectable level

STACK MONITORING REPORT

Monitoring Station	Particulate Matter (mg/Nm ³)
Kiln Stack (Line- 1)	6.81
Crusher Stack (Line- 1)	18.6
Cooler (Line- 1)	16.3
Coal Mill (Line- 1)	27.7
Cement Mill – 1	25.3
Cement Mill – 2	16.3
Cement VRPM stack	Didn't Run in the month
Cement Mill- 3	18.5
Kiln Stack (Line- 2)	Plant Shut-down
Crusher Stack (Line- 2)	Plant Shut-down
Coal Mill (Line- 2)	Plant Shut-down
Cooler (Line- 2)	Plant Shut-down
DG – 04 MW	Didn't Run in the month
TPP- 15 MW (Old)	31.4
TPP- 33 MW	24.8
TPP- 15 MW (New)	23.2

AMBIENT NOISE LEVEL REPORT

Location	Noise Level (dB)	
	Day Time (dB)	Night Time (dB)
Plant Canteen Area	65.3	61.1
Colony	51	45.3
Near Old CCR Building	66.6	61.5
Near New CCR Building	56.1	53.1
Mines Field Office	68.7	64.8
Mines Office	62.6	55.2
TPP area	71.5	66.1
Main office	61.5	59.6

WATER QUALITY REPORT

	EFFLUENT QUALITY						Remark
	pH	COD	BOD	Oil & Grease	S.S.	TDS	
STP (treated)	7.40	37.5	3.80	< 0.2	2	714	
Mines Work Shop (treated)	8.05	41.7	4.80	< 0.2	4	386	
TPP DM Plant back wash (RO installed)	9.15	12.5	< 2.0	< 0.2	< 2.0	48	

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