

J.K. Cement WORKS, NIMBAHERA (RAJ)

AMBIENT AIR QUALITY DATA

NIMBAHERA - AHIRPURA MINE (Core Zone)

(NA1) Location :- Near Mine Gate

S.No.	MONTH	SPM	RPM	SO ₂	NOx	CO	Remarks
1	October'13	307.0	38.9	9.83	13.00	657.5	
2	Novemeber'13	324.0	45.6	7.40	12.00	541.0	
3	December'13	361.0	47.1	9.30	16.30	594.0	
4	January'14	335.3	46.9	10.60	16.20	592.5	
5	February'14	344.1	51.1	11.20	14.50	638.5	
6	March'14	328.7	41.5	8.20	13.20	616.0	

(NA2) Location :- Near Mine Water Pump

S.No.	MONTH	SPM	RPM	SO ₂	NOx	CO	Remarks
1	October'13	374.0	55.0	12.30	26.80	643.0	
2	Novemeber'13	353.1	52.3	11.60	27.80	651.0	
3	December'13	334.1	48.8	9.10	24.90	635.0	
4	January'14	371.5	56.1	12.00	28.90	669.5	
5	February'14	347.4	51.2	12.40	18.20	657.5	
6	March'14	338.5	45.0	9.90	20.40	640.0	

(NA3) Location :- 3 to 10 Meter Distance From Drilling Operation

S.No.	MONTH	SPM	RPM	SO ₂	NOx	CO	Remarks
1	October'13	472.0	55.6	13.10	28.20	668.0	
2	Novemeber'13	480.0	57.1	14.60	31.50	674.0	
3	December'13	483.0	54.6	13.50	22.30	667.0	
4	January'14	466.5	55.1	13.80	24.10	662.5	
5	February'14	457.5	50.4	12.50	20.80	701.5	
6	March'14	480.0	54.0	12.00	22.30	674.0	

(NA8) Location :- Near Loading Point

S.No.	MONTH	SPM	RPM	SO ₂	NOx	CO	Remarks
1	October'13	359.0	37.5	9.3	24.90	717.0	
2	Novemeber'13	368.0	39.8	9.9	25.20	700.0	
3	December'13	358.1	43.5	9	26.50	711.0	
4	January'14	370.3	45.6	10.0	31.70	685.0	
5	February'14	359.0	44.8	12.4	20.50	650.5	
6	March'14	352.0	49.5	10.5	19.90	670.0	

Note : ALL VALUES IN MICROGRAMS / CUBIC METER (µg/M3)

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AMBIENT AIR QUALITY DATA

NIMBAHERA - AHIRPURA MINE (Buffer Zone)

(NA4) Location :- Near Ravana Office of MaliaKhera Mine

S.No.	MONTH	SPM	RPM	SO ₂	NOx	CO	Remarks
1	October'13	333.9	40.1	9.3	23.3	552.5	
2	Novemeber'13	344.1	41.4	9.2	24.8	601.5	
3	December'13	337.6	48.3	11.2	21.5	624	
4	January'14	350.5	52.8	12.0	28.4	626.5	
5	February'14	365.5	53.0	14.0	27.8	623.5	
6	March'14	355	51.2	13.2	25.2	647.5	

(NA5) Location :- Near Canteen of J.K Mangrol Plant

S.No.	MONTH	SPM	RPM	SO ₂	NOx	CO	Remarks
1	October'13	331.7	46.6	9.40	15.70	621.0	
2	Novemeber'13	349.3	49.1	9.30	17.10	606.5	
3	December'13	323.1	44.2	9	14.00	617.3	
4	January'14	332.8	42.2	8.40	13.40	672.0	
5	February'14	340.7	50.1	10.00	14.90	675.8	
6	March'14	328.7	44.6	8.90	14.00	625.0	

(NA6) Location :- Near Mine Office of Karunda Mine

S.No.	MONTH	SPM	RPM	SO ₂	NOx	CO	Remarks
1	October'13	319.7	41.6	9.5	23.3	602.5	
2	Novemeber'13	344.0	47.8	9.7	25.7	613.0	
3	December'13	334.2	39.8	8.2	18.7	626.0	
4	January'14	332.0	41.4	8.7	15.8	638.0	
5	February'14	330.0	42.2	9.2	19.3	631.0	
6	March'14	322.5	48.6	9.8	18.3	608.0	

(NA7) Location :- Near New J.K.Factory Gate Nimbahera Plant

S.No.	MONTH	SPM	RPM	SO ₂	NOx	CO	Remarks
1	October'13	331.1	40.9	8.0	14.0	620.80	
2	Novemeber'13	330.0	49.7	8.8	16.9	645.50	
3	December'13	335.2	46.0	8.6	16.3	601.80	
4	January'14	325.7	43.2	10.8	15.3	607.50	
5	February'14	330.4	49.8	9.8	13.4	643.80	
6	March'14	327.5	44.6	8.5	14.1	629.00	

Note : ALL VALUES IN MICROGRAMS / CUBIC METER (µg/M³)