

J.K. Cement WORKS, NIMBAHERA (RAJ)

AMBIENT AIR QUALITY DATA

MALIAKHERA MINE (Core Zone)

(MA1) Location :- Near Mine Office

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'16	328.0	45.0	13.7	25.4	801.5	
2	May '16	341.0	39.9	15.1	29.6	973.3	
3	June'16	317.0	41.0	11.7	22.6	629.8	
4	July'16	275.0	34.0	10.2	20.6	630	
5	August'16	159.0	26.0	5.9	12.2	400.8	
6	September'16	240.0	31.0	7.8	16.4	629.8	

(MA2) Location :- Near Ravana Office

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'16	361.0	52.0	18.0	36.0	1030.5	
2	May '16	369.0	49.4	20.2	37.8	629.8	
3	June'16	350.0	48.0	14.8	27.6	916.0	
4	July'16	315.0	45.0	12.4	23.6	916.0	
5	August'16	208.0	34.0	9.6	16.1	286.3	
6	September'16	304.0	40.0	11.4	22.4	400.8	

(MA3) Location :- 3 to 10 Meter Distance From Drilling Operation

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'16	422.0	55.0	21.2	38.0	916.0	
2	May '16	431.0	57.6	18.3	35.3	916.0	
3	June'16	389.0	51.0	17.6	31.0	858.8	
4	July'16	335.0	48.0	13.0	25.0	859	
5	August'16	221.0	40.0	11.2	22.0	286.3	
6	September'16	340.0	46.0	14.6	26.7	458.0	

(MA8) Location :- Near Loading Point

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'16	348.0	49.0	15.2	27.0	687.0	

2	May '16	356.0	51.2	17.1	32.6	744.3	
3	June'16	338.0	46.0	13.6	24.3	858.8	
4	July'16	325.0	43.0	14.8	21.0	859	
5	August'16	196.0	30.0	7.7	18.4	515.3	
6	September'16	276.0	37.0	8.4	19.5	515	

Note : ALL VALUES IN MICROGRAMS / CUBIC METER ($\mu\text{g}/\text{M}^3$)

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AMBIENT AIR QUALITY DATA

Maliakhera MINE (Buffer Zone)

(MA4) Location :- Near Mine Office of Karunda Mine

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'16	326.0	42.0	10.6	21.4	801.5	
2	May '16	332.0	43.2	12.1	21.1	802	
3	June'16	310.0	39.0	9.2	18.6	858.8	
4	July'16	270.0	33.0	8.5	19.6	572.5	
5	August'16	169.0	20.6	7.1	15.1	229.0	
6	September'16	222.0	30.0	6.8	14.6	572.5	

(MA5) Location :- Near Packing plant gate of J.K Mangrol Plant

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'16	356.0	46.8	15.2	26.8	801.5	
2	May '16	362.5	45.2	12.4	23.3	863.5	
3	June'16	316.0	40.1	10.8	24.7	658.4	
4	July'16	268.3	36.1	8.1	16.3	653.6	
5	August'16	188.2	27.7	6.3	12.3	300.6	
6	September'16	257.3	38.2	9.0	19.1	601.1	

(MA6) Location :- Main Security Gate of JKCW Nimbahera

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'16	332.5	42.8	10.8	21.0	629.8	
2	May '16	345.8	44.2	11.3	21.8	811.0	
3	June'16	307.3	39.9	9.3	20.0	830.0	
4	July'16	290.2	40.2	11.1	22.0	634.5	
5	August'16	185.8	28.7	6.0	12.2	281.5	
6	September'16	217.2	28.6	8.6	15.3	605.9	

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(MA7) Location :- Near Mine Water Pump of Nimbahera -Ahipura Mine

S.No.	MONTH	SPM	RSPM	SO ₂	NO _x	CO	Remarks
1	April'16	381.0	54.0	18.0	34.0	801.5	
2	May '16	379.0	51.2	14.6	26.0	973.3	
3	June'16	360.0	53.0	16.0	30.0	858.8	
4	July'16	352.0	50.0	15.6	28.0	859	
5	August'16	201.0	29.0	7.4	14.0	171.8	
6	September'16	336.0	48.0	12.6	24.4	515.3	

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

J.K. Cement Works, Nimbahera

Maliakhara Limestone Mine

Blast Vibration report

From April-16 to September-16

Sr.No.	Date	Peak Partical Velocity	Frequency
1	08.04.2016	1.4	>100
2	09.04.2016	1.08	73
3	11.04.2016	2.86	34
4	21.04.2016	1.91	23
5	26.04.2016	1.14	39
6	08.05.2016	1.71	47
7	28.05.2016	1.46	30
8	03.06.2016	2.22	32
9	05.06.2016	1.21	51
10	18.07.2016	0.889	28
11	22.07.2016	1.08	85

12	13.08.2016	2.48	26
13	26.08.2016	3.56	39
14	02.09.2016	2.92	22
15	05.09.2016	2.48	23
16	06.09.2016	2.29	32
17	22.09.2016	0.826	57
18	26.09.2016	1.14	85
19	29.09.2016	1.46	27