

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'17	352.0	47.0	15.3	28.3	572.5	
2	May'17	344.0	43.3	13.2	25.3	572.5	
3	June'17	332.0	41.7	11.8	22.4	400.8	
4	July'17	287.0	37.5	8.4	17.4	286.3	
5	August'17	310.0	39.7	9.8	20.1	400.8	
6	September'17	327.0	42.6	10.7	23.1	400.8	

(MA2) Location :- Near Ravana Office

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'17	393.0	53.0	19.6	37.4	858.8	
2	May'17	381.0	51.0	17.4	34.6	744.3	
3	June'17	373.0	48.0	15.2	29.6	973.3	
4	July'17	337.0	43.2	12.3	22.2	400.8	
5	August'17	352.0	46.4	14.4	26.3	515.3	
6	September'17	378.0	47.6	16.6	28.7	458.0	

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

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'17	442.0	57.0	22.3	39.7	572.5	
2	May'17	420.0	54.3	20.7	37.6	858.8	
3	June'17	392.0	51.6	18.6	35.2	744.3	
4	July'17	374.0	47.6	15.6	26.2	458.0	
5	August'17	387.0	49.4	17.4	30.1	687.0	
6	September'17	401.0	52.4	19.3	32.7	744.3	

(MA8) Location :- Near Loading Point

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'17	376.0	50.0	17.6	34.2	515.3	
2	May'17	355.0	48.0	15.2	30.1	629.8	
3	June'17	348.0	46.3	13.6	25.4	629.8	
4	July'17	320.0	41.5	10.4	18.5	343.5	
5	August'17	338.0	43.7	11.6	23.7	458.0	
6	September'17	351.0	45.8	14.2	26.0	629.8	

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

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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'17	339.0	42.7	12.9	26.7	515.3	
2	May'17	350.0	47.6	14.8	27.3	401	
3	June'17	326.0	40.4	10.4	21.2	458.0	
4	July'17	274.0	34.3	7.5	15.2	343.5	
5	August'17	297.0	37.7	8.9	19.4	515.3	
6	September'17	320.0	41.7	11.4	22.6	458.0	

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

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'17	323.5	43.1	10.4	21.0	472.3	
2	May'17	349.8	44.4	11.5	22.6	472.3	
3	June'17	350.3	45.5	13.8	26.4	486.6	
4	July'17	275.0	34.1	6.5	13.4	415.1	
5	August'17	282.0	35.7	7.0	15.0	429.4	
6	September'17	311.7	39.6	10.1	19.9	372.1	

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

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'17	345.0	45.3	11.6	22.0	687.0	
2	May'17	352.0	46.6	14.8	26.3	572.5	
3	June'17	318.3	42.0	10.9	20.1	386.4	
4	July'17	278.3	30.4	7.2	14.3	357.8	
5	August'17	305.7	35.7	10.1	20.2	629.8	
6	September'17	315.0	38.9	9.6	19.5	458.0	

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

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'17	389.0	52.0	16.4	32.4	629.8	
2	May'17	364.0	49.3	14.6	28.9	744.3	
3	June'17	347.0	46.3	12.4	24.3	458.0	
4	July'17	334.0	42.6	11.7	22.2	400.8	
5	August'17	368.0	47.2	15.4	29.7	629.8	
6	September'17	373.0	44.4	13.6	25.6	515.3	

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

J.K. Cement Works, Nimbahera
Maliakhara Limestone Mine
Blast Vibration report
From April-17 to September-17

Sr.No.	Date	Peak Partical Velocity	Frequency
1	07.04.2017	2.79	28
2	10.04.2017	0.0889	22
3	15.04.2017	1.59	64
4	18.04.2017	1.91	23
5	09.05.2017	3.37	30
6	16.05.2017	0.953	39
7	04.06.2017	1.02	43
8	08.06.2017	1.59	26
9	09.06.2017	2.41	37
10	11.06.2017	2.35	47
11	16.06.2017	1.33	39
12	17.07.2017	1.27	30
13	18.07.2017	2.16	57
14	21.07.2017	0.953	26
15	11.08.2017	1.02	34
16	17.09.2017	2.48	>100
17	22.09.2017	2.54	43

Deepak
(Deepak Kalra)

Miner Manager
Maliakhara Limestone Mine
J. K. Cement Works
NIMBAHERA (TQ.)