

J.K. Cement WORKS, MANGROL (RAJ)

AMBIENT AIR QUALITY DATA

TILAKHERA MINE(Core Zone)

(TA1) Location :- Near Mine Office

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'17	344.0	45.8	13.6	26.8	515.3	
2	May'17	327.0	42.7	11.3	22.7	400.8	
3	June'17	311.0	39.6	9.8	20.6	515.3	
4	July'17	276.0	37.1	7.8	15.4	343.5	
5	August'17	303.0	38.4	8.8	17.8	629.8	
6	September'17	317.0	40.2	9.5	19.6	343.5	

(TA2) Location :- Near Ravana Office

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'17	376.0	49.2	17.6	33.3	515.3	
2	May'17	387.0	47.3	16.2	30.2	744.3	
3	June'17	364.0	45.4	12.6	24.2	629.8	
4	July'17	329.0	41.4	10.2	19.6	515.3	
5	August'17	340.0	43.7	11.3	22.7	572.5	
6	September'17	368.0	46.3	13.2	25.4	629.8	

(TA3) Location :- 3 to 10 Meter Distance From Drilling Operation

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'17	424.0	52.3	20.4	37.4	629.8	
2	May'17	417.0	50.6	19.7	36.2	801.5	
3	June'17	384.0	48.6	15.6	30.6	687.0	
4	July'17	358.0	46.2	12.4	23.6	572.5	
5	August'17	377.0	47.8	13.6	25.8	744.3	
6	September'17	393.0	49.7	16.4	32.4	687.0	

(TA8) Location :- Near Loading Point.

S.No.	MONTH	SPM	RSPM	SO2	NOx	CO	Remarks
1	April'17	358.0	43.7	15.8	30.2	400.8	
2	May'17	367.0	44.3	14.3	27.3	629.8	
3	June'17	344.0	42.6	11.6	22.4	572.5	
4	July'17	294.0	39.2	9.3	17.6	286.3	
5	August'17	322.0	41.6	10.2	20.8	400.8	
6	September'17	346.0	43.2	11.9	23.6	458.0	

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

J.K. Cement WORKS, MANGROL (RAJ)

AMBIENT AIR QUALITY DATA

TILAKHERA MINE(Buffer Zone)

(TA4) 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	

(TA5) Location :- Near Stacker Transfer point of JKCW Nimbahera

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'17	404.0	53.8	18.3	33.2	772.9	
2	May'17	407.0	53.1	19.6	31.7	873.1	
3	June'17	371.5	47.8	14.7	29.6	572.5	
4	July'17	320.5	40.7	11.5	22.2	472.3	
5	August'17	347.8	45.2	14.0	26.0	753.8	
6	September'17	365.0	46.2	14.7	28.1	572.5	

(TA6) Location :- Near Ravana Office of Karunda Mine

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'17	369.0	47.3	17.0	31.7	572.5	
2	May'17	390.0	52.4	16.1	32.7	744.3	
3	June'17	376.0	44.3	14.4	23.6	629.8	
4	July'17	322.0	40.1	10.4	20.1	458.0	
5	August'17	338.0	39.8	9.6	21.4	572.5	
6	September'17	362.0	45.6	15.4	27.6	629.8	

(TA7) Location :- Near Mine Office of Maliakhera Mine

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
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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	

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

So. No.	Date	Location Of Blasting	Approx. Dist. Of Instrument (Minimate) From Blast	No. of Holes	Charge Per Delay Kgs.	Peak Vector Sum Mm/Sec	Accessories used in Blasting
1	9/4/2017	IIIrd Bench S (S-Pit) BID (16-1)	275 Mtr. Back Side of Blasting Face	8	31.95	2.47	Nonel DTH & TLD
2	22/04/2017	IIInd Bench SE (S-Pit) BID (17-4)	250 Mtr. Back Side of Blasting Face	10	35	2.76	Nonel DTH & TLD
3	4/7/2017	IIIrd Bench E (S-Pit) BID (16-4)	250 Mtr. In the line of Initiation	6	31.95	2.61	Nonel DTH & TLD
4	18/07/2017	Ist Bench SE (S-Pit) BID (18-1)	250 Mtr. In the line of Initiation	8	31.95	2.39	Nonel DTH & TLD
5	18/07/2017	IIInd Bench NE (S-Pit) BID (14-7)	350 Mtr. Opposite side Initiation	15	35	1.12	Nonel DTH & TLD
6	20/07/2017	IIIrd Bench S (S-Pit) BID (16-6)	225 Mtr. Back Side of Blasting Face	8	28.82	2.05	Nonel DTH & TLD
7	22/08/2017	Ist Bench NE (S-Pit) BID (14-8)	300 Mtr. In the line of Initiation	15	32.94	1.12	Nonel DTH & TLD
8	26/08/2017	Ist Bench NE (S-Pit) BID (15-2)	300 Mtr. In the line of Initiation	14	33.33	1.39	Nonel DTH & TLD
9	2/9/2017	Ist Bench NE (S-Pit) BID (15-3)	300 Mtr. In the line of Initiation	15	33.33	1.57	Nonel DTH & TLD
10	10/9/2017	IIInd Bench S (S-Pit) BID (17-9)	250 Mtr. Back Side of Blasting Face	10	33.33	2.41	Nonel DTH & TLD