

J.K. Cement WORKS, MANGROL (RAJ)

ENVIRONMENTAL QUALITY DATA

MANGROL LIME STONE MINE (Core zone)

(MG1) Location :- Near Towards Factory Gate

S.No.	MONTH	SPM	RSPM	SO2	NOx	CO	Remarks
1	April'17	394.0	52.7	18.3	36.3	572.5	
2	May'17	370.0	50.1	17.8	34.2	629.8	
3	June'17	362.0	48.3	16.6	32.4	515.3	
4	July'17	321.0	41.4	9.8	18.5	343.5	
5	August'17	347.0	45.2	12.3	24.4	458.0	
6	September'17	374.0	47.7	15.4	28.7	744.3	

(MG2) Location :- Ravana Office

S.No.	MONTH	SPM	RSPM	SO2	NOx	CO	Remarks
1	April'17	351.0	47.2	15.2	29.6	744.3	
2	May'17	347.0	45.3	13.4	25.3	515.3	
3	June'17	330.0	43.6	11.6	23.2	400.8	
4	July'17	283.0	35.4	6.8	14.7	286.3	
5	August'17	307.0	39.2	10.6	20.8	629.8	
6	September'17	312.0	40.7	12.4	24.2	286.3	

(MG3) Location :- 3 to 10 Meter Distance From Drilling Operation

S.No.	MONTH	SPM	RSPM	SO2	NOx	CO	Remarks
1	April'17	452.0	55.2	22.4	40.3	744.3	
2	May'17	437.0	56.7	20.8128	38.8	858.8	
3	June'17	401.0	52.4	18.2342	35.4	744.3	
4	July'17	341.0	44.3	11.7	22.6	458.0	
5	August'17	392.0	47.7	15.4	27.6	687.0	
6	September'17	420.0	51.5	17.4	34.4	858.8	

(MG8) Location :- Near Loading Point

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	April'17	385.0	49.2	16.5	32.2	629.8	
2	May'17	396.0	52.4	15.4	28.7	744.3	
3	June'17	353.0	46.3	14.6	26.4	458.0	
4	July'17	304.99	40.1	8.4	16.2	400.8	
5	August'17	335.0	43.2	11.2	22.8	572.5	
6	September'17	360.0	45.4	13.2	27.0	515.3	

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

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ENVIRONMENTAL QUALITY DATA

MANGROL LIME STONE MINE (Buffer Zone)

(MG4) Location :- Near Mine Office of Tilakhera Mine

S.No.	MONTH	SPM	RSPM	SO2	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	

(MG5) Location :- Near Stacker Transfer point of JKCW Nimbahera

S.No.	MONTH	SPM	RSPM	SO2	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	321	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	

(MG6) Location :- Near Ravana Office of Karunda Mine

S.No.	MONTH	SPM	RSPM	SO2	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	

(MG7) Location :- Near Mine Office of Maliakhhera Mine

S.No.	MONTH	SPM	RSPM	SO ₂	NO _x	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	
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 (µg/M3)

Ground Vibration Details at Mangrol Mines
Period: April, 2017 To September,17

Sl. 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.	16/04/17	Ist Bench W BID (5-4)	250 Mtr. back Site from Face	10	33	2.87	Nonels DTH & TLD
2.	21/04/17	Ist Bench W BID (5-7)	300 Mtr. back Site from Face	21	36	2.6	Nonels DTH & TLD
3.	14/05/17	IInd Bench SN face BID (5-16)	300 Mtr. back Site from Face	23	38	2.0	Nonels DTH & TLD
4.	16/05/17	IInd Bench WE face BID (4-23)	300 Mtr. East Site from Face	16	38	3.01	Nonels DTH & TLD
5.	5/06/17	Ist Bench E BID (4-31)	300 Mtr. from back site of face	17	37	2.44	Nonels DTH & TLD
6.	13/06/17	IInd Bench South face BID (5-25)	275 Mtrs From back site of the face	16	34	3.79	Nonels DTH & TLD
7.	06/07/17	Ist bench Trench -E BID (2-2)	250 Mtr From back site of the face	16	36	1.93	Nonels DTH & TLD
8.	08/07/17	IInd Trench South facet BID (4-42)	300 Mtr. From back site of the face	15	39	2.26	Nonels DTH & TLD
9.	5/08/17	IInd Bench W-Face BID (5-41)	300 Mtr. From back site of the face	14	37	1.94	Nonels DTH & TLD
10.	11/08/17	IInd Bench Trench South BID (4-50)	300 Mtr. From back site of the face	14	39	2.06	Nonels DTH & TLD
11.	7/09/17	Ist Bench W-face BID (6-13)	300 Mtr. back site of the face	14	34	3.52	Nonels DTH & TLD
12.	23/09/17	Ist Bench Trench N BID(2-4)	275 Mtr. back site of the face	23	36	2.18	Nonels DTH & TLD