

J.K. Cement WORKS, NIMBAHERA (RAJ)

ENVIRONMENTAL QUALITY DATA

KARUNDA MINE (Core zone)

(KA1) Location :- Near Mine Office

S.No.	MONTH	SPM	RSPM	SO2	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	400.8	
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	

(KA2) Location :- Near Ravana Office

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	

(KA3) Location :- 3 to 10 Meter Distance From Drilling Operation

S.No.	MONTH	SPM	RSPM	SO2	NOx	CO	Remarks
1	April'17	405.0	51.7	19.7	38.7	744.3	
2	May'17	427.0	54.6	18.2	36.4	973.3	
3	June'17	389.0	48.7	16.6	30.3	744.3	
4	July'17	357.0	43.4	13.4	24.4	629.8	
5	August'17	380.0	44.9	12.3	26.2	744.3	
6	September'17	410.0	50.4	17.4	31.7	801.5	

(KA8) Location :- Near Loading Point

S.No.	MONTH	SPM	RSPM	SO₂	NOx	CO	Remarks
1	April'17	344.0	45.8	13.7	28.2	629.8	
2	May'17	361.0	49.6	15.5	30.4	629.8	
3	June'17	352.0	42.3	12.3	22.2	515.3	
4	July'17	304.0	38.4	9.4	18.4	400.8	
5	August'17	317.0	40.7	10.7	20.5	458.0	
6	September'17	337.0	43.6	14.5	25.7	400.8	

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

J.K. Cement WORKS, NIMBAHERA (RAJ)

ENVIRONMENTAL QUALITY DATA

KARUNDA MINE (Buffer Zone)

(KA4) Location :- Near Ravana Office of MaliaKhera Mine

S.No.	MONTH	SPM	RSPM	SO2	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	

(KA5) Location :- Near Packing plant gate of J.K Mangrol Plant

S.No.	MONTH	SPM	RSPM	SO2	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	

(KA6) Location :- Near Stacker transfer point of J.K.Nimbahera Plant

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	

(KA7) Location :- Near Mine Office -Tilakhera Mine

S.No.	MONTH	SPM	RSPM	SO₂	NO_x	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	

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

Ground Vibration Details at Karunda 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.	13/04/17	IInd Bench NW (S-Pit) BID (11--2)	300 Mtr. West Site from Face	10	40.37	1.21	Nonels DTH & TLD
2.	18/04/17	IInd Bench NE (N-Pit) BID (11--7)	300 Mtr. East Site from Face	20	14.1	1.57	Nonels DTH & TLD
3.	02/05/17	IVth Bench NE (S-Pit) BID (11-11)	300 Mtr. East Site from Face	16	33.3	5.10	Nonels DTH & TLD
4.	12/05/17	IInd Bench NE (S-Pit) BID (12-5)	300 Mtr. East Site from Face	14	39.71	4.76	Nonels DTH & TLD
5.	17/06/17	IInd Bench N (S-Pit) BID (11-21)	300 Mtr. from back site of face	09	37.34	2.79	Nonels DTH & TLD
6.	24/06/17	IIInd Bench N (S-Pit) BID (11-23)	300 Mtrs From back site of the face	15	28.70	1.31	Nonels DTH & TLD
7.	01/07/17	IInd Bench SW (N-Pit) BID (13-11)	300 Mtr. West Site from Face	09	36.11	2.43	Nonels DTH & TLD
8.	06/07/17	IIIst Bench E (S-Pit) BID (13-12)	300 Mtr. East Site from Face	10	42.5	1.57	Nonels DTH & TLD
9.	3/08/17	Ist Bench NE (S-Pit) BID (8-5)	300 Mtr. East Site from Face	10	39.7	2.75	Nonels DTH & TLD
10.	12/08/17	IIst Bench N (N-Pit) BID (13-06)	300 Mtr. Back Site from Face	25	31.44	1.61	Nonels DTH & TLD
11.	10/09/17	IIst Bench S (N-Pit) BID (13-18)	300 Mtr. Front of Face	18	22.99	1.30	Nonels DTH & TLD
12.	28/09/17	Ist Bench S (S-Pit) BID(8--8)	300 Mtr. West Site from Face	14	47.42	1.23	Nonels DTH & TLD