

J.K. Cement WORKS, NIMBAHERA (RAJ)**AMBIENT AIR QUALITY DATA****NIMBAHERA - AHIRPURA MINE (Core Zone)****(NA1) Location :- Near Mine Gate**

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	October'17	349.5	42.3	13.0	24.2	515.3	
2	November'17	338.5	44.4	14.2	27.0	515.3	
3	December'17	343.3	46.1	15.4	29.5	458.0	
4	January'18	380.1	48.7	17.8	30.7	744.3	
5	February'18	340.2	47.0	16.6	28.2	515.3	
6	March'18	414.6	53.9	20.4	34.5	858.8	

(NA2) Location :- Near Mine Water Pump

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	October'17	384.0	49.7	17.2	31.4	744.3	
2	November'17	396.0	52.3	19.6	35.6	687.0	
3	December'17	402.0	54.3	20.8	38.9	572.5	
4	January'18	415.0	51.2	22.4	34.2	572.5	
5	February'18	390.0	50.4	18.6	32.4	744.3	
6	March'18	436.0	52.3	23.7	37.4	687.0	

(NA3) Location :- 3 to 10 Meter Distance From Drilling Operation

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	October'17	425.0	55.7	21.4	37.8	858.8	
2	November'17	439.0	57.2	23.2	40.1	801.5	
3	December'17	447.0	56.3	24.4	42.3	916.0	
4	January'18	456.0	54.3	25.2	39.6	916.0	
5	February'18	432.0	53.7	20.4	38.6	858.8	
6	March'18	460.0	57.8	26.3	41.4	973.3	

(NA8) Location :- Near Loading Point

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	October'17	364.0	46.5	15.7	28.2	629.8	
2	November'17	372.0	50.1	17.3	32.3	572.5	
3	December'17	384.0	48.7	19.4	35.6	744.3	
4	January'18	359.0	47.6	16.2	29.2	744.3	
5	February'18	377.0	44.8	14.9	25.8	629.8	
6	March'18	402.0	50.4	21.7	39.6	629.8	

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

J.K. Cement WORKS, NIMBAHERA (RAJ)

AMBIENT AIR QUALITY DATA

NIMBAHERA - AHIRPURA MINE (Buffer Zone)

(NA4) Location :- Near Ravana Office of MaliaKhera Mine

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	October'17	377.0	45.6	15.8	27.8	629.8	
2	November'17	388.0	52.7	19.6	34.8	515.3	
3	December'17	368.0	48.6	16.6	29.6	629.8	
4	January'18	358.0	46.7	14.4	28.5	572.5	
5	February'18	371.0	47.6	13.6	25.5	629.8	
6	March'18	384.0	51.6	17.5	30.6	744.3	

(NA5) Location :- Near Packing plant gate of J.K Mangrol Plant

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	October'17	319.0	40.5	12.6	21.8	405.5	
2	November'17	358.5	48.6	16.5	30.7	629.8	
3	December'17	369.3	45.0	14.3	29.1	710.9	
4	January'18	350.3	45.2	14.1	26.2	572.5	
5	February'18	373.8	48.1	16.0	27.4	586.8	
6	March'18	383.3	49.1	19.3	32.6	787.2	

(NA6) Location :- Near Mine Office of Karunda Mine

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	October'17	325.0	40.7	10.9	20.4	515.3	
2	November'17	332.0	38.7	9.8	19.8	401	
3	December'17	347.0	43.6	13.6	27.4	629.8	
4	January'18	328.0	41.6	11.8	22.3	458.0	
5	February'18	312.0	39.5	8.9	18.6	286.3	
6	March'18	334.0	45.6	14.7	28.5	515.3	

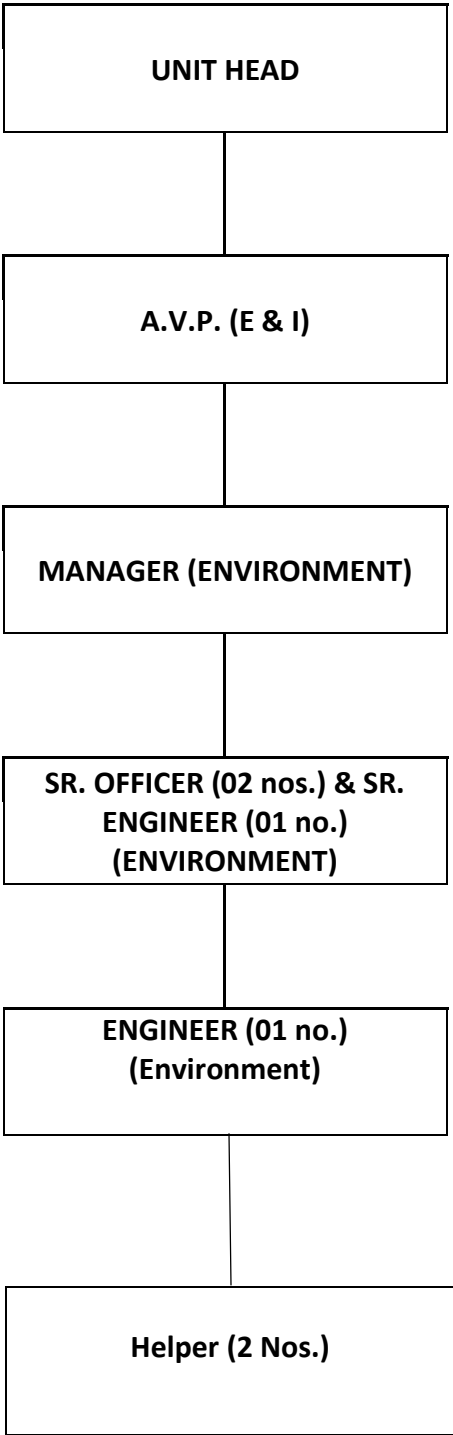
(NA7) Location :- Near New J.K.Factory Gate Nimbahera Plant

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	October'17	358.2	46.2	16.0	28.4	691.8	
2	November'17	351.5	45.9	14.4	24.3	515.3	
3	December'17	352.0	45.6	15.7	32.0	605.9	
4	January'18	354.0	45.4	15.1	27.9	558.2	
5	February'18	367.3	51.1	20.2	33.5	529.6	
6	March'18	353.3	45.9	15.3	28.3	558.2	

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

J.K. Cement WORKS, NIMBAHERA & MANGROL (RAJ)

ORGANISATION CHART OF POLLUTION CONTROL DEPARTMENT



J.K. Cement WORKS, MANGROL (RAJ)
AHIRPURA MINE

Financial Budget for Environmental Management
FY 2018-19

S. No.	Activity	Recurring Cost per Annum (Rs. in Lacs)
		Proposed
1.	Pollution control expenses (Others)	4.528
2.	Pollution control expenses (Statutory)	-
3.	Gardening Expenses	1.80
4.	CSR Expenses	5.0
Total (Rs. in Lacs)		11.328

J.K. *Cement* WORKS, Nimbahera (RAJ)
AHIRPURA MINE

EXPENDITURE INCURRED ON ENVIRONMENTAL PROTECTION
MEASURES DURING YEAR 2017-2018

S. No.	Activity	Recurring Cost per Annum (Rs.)
1.	Pollution control expenses (Others)	54045
2.	Pollution control expenses (Statutory)	343873
3.	Gardening Expenses	139382
4.	CSR Expenses	401902
Total (Rs.)		939202/-

J.K. Cement Limestone Mines, Nimbhera(Murlia Block)

SUMMARY OF PRIMARY BLASTING FOR THE PERIOD - 01 Oct. 2017 to 31 March 2018

S. No.	Date of blast	Location of Blasting	No. Of Holes	Charge per delay in Kg.	PPV mm/sec.	Peak frequency (in Hz)
1	2	3	4	7	9	10
1	03-10-2017	IInd S-pit S/W	10	20	4.55	30
2	10-10-2017	IInd S-pit N/W	22	28.4	3.99	27
3	12-10-2017	IInd S-pit N/W	14	28.57	4.14	34
4	28-10-2017	IInd S-pit S/M	14	27.18	2.81	51
5	11-11-2017	IInd S-pit S/W	8	21.17	5.67	37
6	20-11-2017	IIIrd S-Pit N/W	21	12.3	4.10	47
7	21-11-2017	IIIrd S-Pit S/W	24	13.1	1.68	26
8	27-11-2017	IIIrd S-Pit S/W	24	13.19	1.69	85
9	04-12-2017	IIIrd S-Pit S/W	32	13.71	1.73	100
10	11-12-2017	II nd S-Pit S/W	8	24.65	3.41	57
11	26-12-2017	IIIrd S-Pit N/W	22	20.7	5.16	57
12	31-12-2017	IInd S-pit S/M	13	25.64	3.07	20
13	01-01-2018	III rd S-pit S/W	14	21	1.9	24
14	04-01-2018	III rd S-pit N/M	21	20.5	1.95	39
15	16-01-2018	III rd S-pit S/W	21	10.97	2.21	64
16	26-01-2018	I st S-Pit S/M	9	23.14	3.26	39
17	02-02-2018	I st S-Pit S/M	9	23.14	4.25	64
18	04-02-2018	II nd S-Pit S/M	11	23.73	4.99	57
19	11-02-2018	III rd S-pit S/W	17	23.52	2.19	34
20	20-02-2018	IIIrd S-Pit S/W	18	24.03	3.95	43
21	05-03-2018	IIIrd S-Pit W/M	16	24.3	3.32	43
22	09-03-2018	IIIrd S-Pit W/M	20	25.65	2.06	51
23	10-03-2018	II nd S-Pit S/M	11	24.49	5.7	39
24	20-03-2018	I st N-Pit N/M	13	24.36	3.14	34

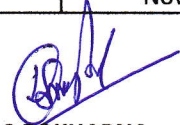

L.N. Tailor
Dy. Manager (Mines)


L.S. Pokharna
Sr. Manager (Mines)

J.K. CEMENT WORKS , NIMBAHERA
J.K. Cement Limestone Mine (Murlia Block)

PUC Certificate Details

Sr. No.	Tipper Reg. No.	Make	Year	PUCC No.	Validity Upto
1	RJ09GB1928	ASHOK-LEYLAND	2015	657710	1/10/2018
2	RJ09GB2628	ASHOK-LEYLAND	2015	657711	1/10/2018
3	RJ09GB4828	ASHOK-LEYLAND	2016	657712	1/10/2018
4	RJ09GB4928	ASHOK-LEYLAND	2016	657713	1/10/2018
5	RJ09GB5028	ASHOK-LEYLAND	2016	657714	1/10/2018
6	RJ09GB5828	ASHOK-LEYLAND	2016	657715	1/10/2018
7	RJ09GB8528	ASHOK-LEYLAND	2015	657717	1/10/2018
8	RJ09GB8728	ASHOK-LEYLAND	2015	657718	1/10/2018
9	RJ09GC0128	ASHOK-LEYLAND	2017	N/A	Nov-19
10	RJ09GC0228	ASHOK-LEYLAND	2017	N/A	Nov-19
11	RJ09GC0328	ASHOK-LEYLAND	2017	N/A	Nov-19



L.S. POKHARNA
Sr. Manager (Mines)