

Maliakhhera Limestone Mine

(J. K. Cement Works, Nimbahera)

Vehicular Exhaust Emission Measurement

S. No.	Type of Machine	Machine No.	PUC Limit	No. of Reading	Average PUC limit as per test report	Date of testing	Remarks
1	Tipper	RJ27 GC 3282	< 65%	6	With in Limit	15.01.2018	
2	Tipper	RJ27 GC 3283	< 65%	6	With in Limit	15.01.2018	
3	Tipper	RJ27 GC 3285	< 65%	6	With in Limit	15.01.2018	
4	Tipper	RJ27 GC 3280	< 65%	6	With in Limit	15.01.2018	
5	Tipper	RJ27 GC 3284	< 65%	6	With in Limit	15.01.2018	
6	Tipper	RJ27 GB 2023	< 65%	6	With in Limit	15.01.2018	
7	Tipper	RJ27 GB 5798	< 65%	6	With in Limit	15.01.2018	
8	Tipper	RJ27 GB 5797	< 65%	6	With in Limit	15.01.2018	
9	Tipper	RJ27 GB 5796	< 65%	6	With in Limit	15.01.2018	
10	Tipper	RJ27 GB 5800	< 65%	6	With in Limit	15.01.2018	
11	Tipper	RJ27 GB 5816	< 65%	6	With in Limit	15.01.2018	
12	Tipper	RJ27 GB 5815	< 65%	6	With in Limit	15.01.2018	
13	Tipper	RJ27 GB 5802	< 65%	6	With in Limit	15.01.2018	
14	Tipper	RJ27 GB 5813	< 65%	6	With in Limit	15.01.2018	
15	Tipper	RJ27 GB 5814	< 65%	6	With in Limit	15.01.2018	
16	Tipper	RJ27 GB 5799	< 65%	6	With in Limit	15.01.2018	



Deepak Kalla
D.G.M. (Mines)

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	October'17	337.0	40.5	12.4	22.8	515.3	
2	November'17	341.0	42.2	14.7	26.3	343.5	
3	December'17	324.0	43.4	11.6	24.3	400.8	
4	January'18	315.0	39.8	10.7	23.6	458.0	
5	February'18	320.0	41.7	9.8	21.4	343.5	
6	March'18	332.0	44.5	13.6	25.2	515.3	

(MA2) Location :- Near Ravana Office

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	

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

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	October'17	412.0	53.7	18.1	36.4	858.8	
2	November'17	434.0	55.4	21.7	41.6	687.0	
3	December'17	425.0	51.6	19.8	38.5	858.8	
4	January'18	397.0	49.7	17.6	30.2	744.3	
5	February'18	451.0	57.2	23.4	37.4	858.8	
6	March'18	439.0	56.2	20.4	39.4	973.3	

(MA8) Location :- Near Loading Point

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	October'17	348.0	44.2	13.2	25.6	458.0	
2	November'17	364.0	49.8	17.4	30.7	400.8	
3	December'17	359.0	46.6	14.6	27.8	515.3	
4	January'18	338.0	42.7	12.1	26.2	515.3	
5	February'18	356.0	44.8	11.2	23.4	458.0	
6	March'18	367.0	48.5	15.4	27.3	687.0	

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

J.K. Cement WORKS, NIMBAHERA (RAJ)

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	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	

(MA5) 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	

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

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	October'17	345.0	45.3	11.6	22.0	687.0	
2	November'17	352.0	46.6	14.8	26.3	572.5	
3	December'17	318.3	42.0	10.9	20.1	386.4	
4	January'18	278.3	30.4	7.2	14.3	357.8	
5	February'18	305.7	35.7	10.1	20.2	629.8	
6	March'18	315.0	38.9	9.6	19.5	458.0	

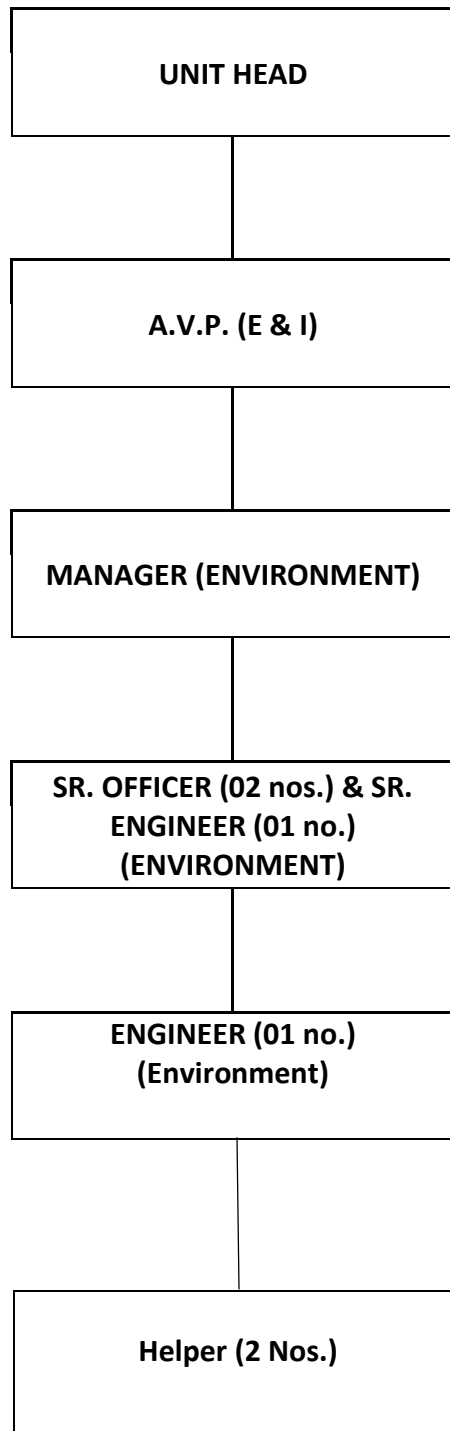
(MA7) Location :- Near Mine Water Pump of Nimbahera -Ahirpura Mine

S.No.	MONTH	SPM	RSPM	SO ₂	NOx	CO	Remarks
1	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	

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

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

ORGANISATION CHART OF POLLUTION CONTROL DEPARTMENT



J.K. Cement WORKS, MANGROL (RAJ)
MALIAKHERA 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)	4.014
2.	Pollution control expenses (Statutory)	-
3.	Gardening Expenses	1.80
4.	CSR Expenses	5.0
Total (Rs. in Lacs)		10.814/-

J.K. *Cement* WORKS, MANGROL (RAJ)
MALIAKHERA MINE

EXPENDITURE INCURRED ON ENVIRONMENTAL PROTECTION
MEASURES DURING YEAR 2017-2018

S. No.	Activity	Recurring Cost per Annum (Rs.)
1.	Pollution control expenses (Others)	72060
2.	Pollution control expenses (Statutory)	277945
3.	Gardening Expenses	204720
4.	CSR Expenses	1338808
Total (Rs.)		1893533/-

Maliakhhera Limestone Mine

Blast Vibration report

From October-17 to March-18

Sr.No.	Date	PPV	Frequency
1	27.10.2017	3.75	37
2	29.10.2017	0.953	32
3	27.11.2017	0.635	37
4	28.11.2017	3.37	26
5	09.12.2017	1.91	28
6	15.12.2017	1.97	57
7	04.01.2018	3.24	73
8	05.01.2018	1.4	43
9	06.01.2018	3.24	32
10	09.01.2018	1.59	22
11	11.01.2018	1.27	39
12	18.01.2018	1.4	19
13	08.02.2018	1.84	37
14	11.02.2018	0.635	34
15	26.02.2018	1.71	27
16	01.03.2018	3.75	57
17	04.03.2018	2.1	51
18	08.03.2018	2.03	73
19	10.03.2018	2.79	85



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