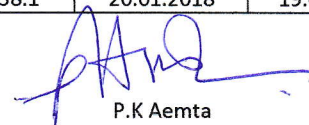


J.K.CEMENT WORKS, NIMBAHERA
KARUNDA LIMESTONE MINES
PUC OF PRODUCTION TIPPERS.

Sr.No.	TYPE OF MACHINE	Tipper Model No.	MACHINE NO.	PUC LIMIT	NO.OF READING	AVG.OF PUC READING	DATE OF TESTING	VALID UP TO
1	TIPPER	TATA LPK2518	RJ09GB2807	<65%	4	25	20.01.2018	19.07.2018
2	TIPPER	TATA LPK2518	RJ09GB2809	<65%	4	27.6	20.01.2018	19.07.2018
3	TIPPER	TATA LPK2518	RJ09GB2810	<65%	4	27.6	20.01.2018	19.07.2018
4	TIPPER	TATA LPK2518	RJ09GB2811	<65%	6	38.1	20.01.2018	19.07.2018
5	TIPPER	TATA LPK2518	RJ09GA9437	<65%	4	27.4	20.01.2018	19.07.2018
6	TIPPER	TATA LPK2518	RJ09GA9438	<65%	4	27.4	20.01.2018	19.07.2018
7	TIPPER	TATA LPK2518	RJ09GA9440	<65%	4	25	20.01.2018	19.07.2018
8	TIPPER	TATA LPK2518	RJ09GA9441	<65%	4	36.35	21.01.2018	20.07.2018
9	TIPPER	TATA LPK2519	RJ09GA9443	<65%	4	25	20.01.2018	19.07.2018
10	TIPPER	TATA LPK2518	RJ09GB0523	<65%	4	27.6	20.01.2018	19.07.2018
11	TIPPER	TATA LPK2518	RJ09GB0524	<65%	6	38.1	20.01.2018	19.07.2018
12	TIPPER	TATA LPK2518	RJ09GB0526	<65%	6	45.6	21.01.2018	20.07.2018
13	TIPPER	TATA LPK2518	RJ09GB0529	<65%	4	27.6	20.01.2018	19.07.2018
14	TIPPER	TATA LPK2518	RJ09GB0534	<65%	4	27.4	20.01.2018	19.07.2018
15	TIPPER	TATA LPK2518	RJ09GB2566	<65%	4	25	20.01.2018	19.07.2018
16	TIPPER	TATA LPK2518	RJ09GA7741	<65%	4	27.6	20.01.2018	19.07.2018
17	TIPPER	TATA LPK2518	RJ09GB2574	<65%	6	38.1	20.01.2018	19.07.2018
18	TIPPER	TATA LPK3118	RJ09GA9446	<65%	4	25	20.01.2018	19.07.2018
19	TIPPER	TATA LPK3118	RJ09GA9447	<65%	4	25	20.01.2018	19.07.2018
20	TIPPER	TATA LPK3118	RJ09GA9449	<65%	4	25	20.01.2018	19.07.2018
21	TIPPER	TATA LPK3118	RJ09GA9178	<65%	6	38.1	20.01.2018	19.07.2018
22	TIPPER	TATA LPK3118	RJ09GA9180	<65%	4	27.4	20.01.2018	19.07.2018
23	TIPPER	TATA LPK3118	RJ09GA9181	<65%	4	27.6	20.01.2018	19.07.2018
24	TIPPER	TATA LPK3118	RJ09GA9183	<65%	6	38.1	20.01.2018	19.07.2018
25	TIPPER	TATA LPK3118	RJ09GB9881	<65%	5	25.9	20.01.2018	19.07.2018
26	TIPPER	TATA LPK3118	RJ09GB9882	<65%	4	27.4	20.01.2018	19.07.2018
27	TIPPER	TATA LPK3118	RJ09GB9883	<65%	4	27.4	20.01.2018	19.07.2018
28	TIPPER	TATA LPK3118	RJ09GB9884	<65%	4	27.6	20.01.2018	19.07.2018
29	TIPPER	TATA LPK3118	RJ09GB9885	<65%	6	38.1	20.01.2018	19.07.2018


 P.K Aemta
 Sr.Manager (Mines)

KARUNDA LIMESTONE MINES

Blast Vibration Summary List

October-2017 To March-2018

Sr. No.	Date	Location of Blasting		Vibration measured from blasting face (Distance in Mtrs.)	No. of Holes	Charge/Delay (Kg.)	Peak vector sum (mm/sec.)	Accessories used in blasting
		Bench	B.Id.					
1	03.10.2017	B-I,S/P	7-2	300M Back side of blast face	12	37.03	2.52	DTH & TLD
2	15.10.2017	B-I,N/P	15-23	300M west side of blast face	33	39.39	2.16	DTH & TLD
3	27.10.2017	B-I,N/P	17-6	300M west side of blast face	28	32.92	2.65	DTH & TLD
4	02.11.2017	B-I,S/P	7-7	300M Back side of blast face	18	41.03	2.13	DTH & TLD
5	03.11.2017	B-I,S/P	7-8	300M Back side of blast face	16	50.34	1.3	DTH & TLD
6	12.12.2018	B-I,S/P	7-14	300M Front side of blast face	14	43	1.59	DTH & TLD
7	18.12.2018	B-II,N/P	13-23	300M East side of blast face	10	19.41	1.05	DTH & TLD
8	08.01.2018	B-II,S/P	8-16	300M west side of blast face	18	15.7	1.12	DTH & TLD
9	18.01.2018	B-II,N/P	15-29	300M Front side of blast face	17	35.52	2.48	DTH & TLD
10	25.01.2018	B-I,N/P	16-28	300M west side of blast face	20	40	2.19	DTH & TLD
11	03.02.2018	B-II,N/P	13-25	300M East side of blast face	20	22.5	2.96	DTH & TLD
12	20.02.2018	B-I,N/P	16-34	300M Back side of blast face	16	37.5	2.63	DTH & TLD
13	01.03.2018	B-INW,N/P	16-37	300M Back side of blast face	22	35.5	2.46	DTH & TLD
14	14.03.2018	B-II,S/P	12-18	300M Back side of blast face	20	37.2	1.63	DTH & TLD

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Rajesh Joshi
Dy. Manager (Mines)


P K Ameta
Sr. Manager (Mines)

J.K. Cement WORKS, NIMBAHERA (RAJ)

ENVIRONMENTAL QUALITY DATA

KARUNDA MINE (Core zone)

(KA1) Location :- Near Mine Office

S.No.	MONTH	SPM	RSPM	SO ₂	NO _x	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	400.8	
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	

(KA2) Location :- Near Ravana Office

S.No.	MONTH	SPM	RSPM	SO ₂	NO _x	CO	Remarks
1	October'17	371.0	47.4	17.7	34.8	744.3	
2	November'17	356.0	45.6	13.4	26.8	515.3	
3	December'17	384.0	48.7	18.5	33.6	744.3	
4	January'18	379.0	46.2	16.4	31.4	629.8	
5	February'18	365.0	44.2	14.5	27.5	515.3	
6	March'18	374.0	49.6	19.4	32.4	744.3	

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

S.No.	MONTH	SPM	RSPM	SO ₂	NO _x	CO	Remarks
1	October'17	417.0	54.3	23.1	38.8	858.8	
2	November'17	396.0	49.8	18.6	33.4	744.3	
3	December'17	422.0	55.4	21.6	37.6	973.3	
4	January'18	408.0	50.2	19.6	35.4	858.8	
5	February'18	393.0	48.7	17.4	32.1	744.3	
6	March'18	436.0	54.4	23.6	39.7	858.8	

(KA8) Location :- Near Loading Point

S.No.	MONTH	SPM	RSPM	SO ₂	NO _x	CO	Remarks
1	October'17	356.0	45.6	15.4	30.8	458.0	
2	November'17	341.0	43.6	12.1	23.6	572.5	
3	December'17	374.0	45.4	14.6	29.4	687.0	
4	January'18	362.0	44.2	13.8	27.3	572.5	
5	February'18	345.0	42.6	11.5	22.5	629.8	
6	March'18	357.0	47.2	17.4	30.2	572.5	

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	SO ₂	NO _x	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	

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

S.No.	MONTH	SPM	RSPM	SO ₂	NO _x	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	

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

S.No.	MONTH	SPM	RSPM	SO ₂	NO _x	CO	Remarks
1	October'17	382.2	50.6	19.9	33.2	758.6	
2	November'17	322.0	42.5	12.9	21.8	386.4	
3	December'17	320.3	42.1	12.8	29.2	434.1	
4	January'18	335	42.2	13.2	24.3	500.9	
5	February'18	331.0	43.8	13.5	27.8	415.1	
6	March'18	337.8	43.3	12.8	25.1	415.1	

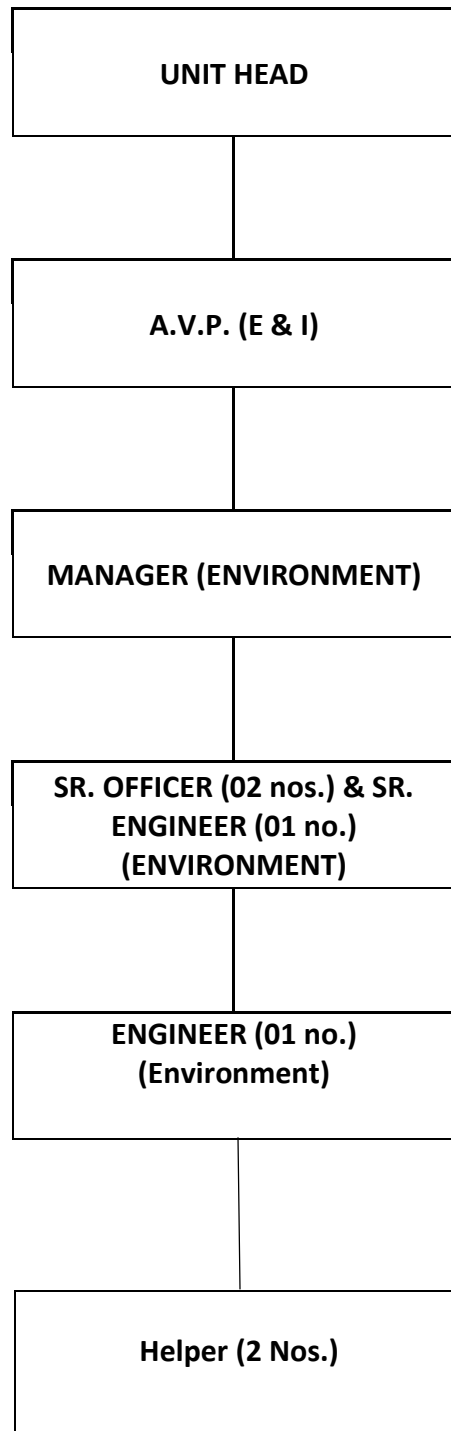
(KA7) Location :- Near Mine Office -Tilakhera Mine

S.No.	MONTH	SPM	RSPM	SO ₂	NO _x	CO	Remarks
1	October'17	329.0	41.8	11.7	21.4	400.8	
2	November'17	335.0	43.6	13.8	25.1	286.3	
3	December'17	347.0	39.6	13.6	27.4	629.8	
4	January'18	327.0	42.7	11.2	22.7	458.0	
5	February'18	343.0	44.6	14.7	26.5	515.3	
6	March'18	322.0	40.5	10.8	23.2	400.8	

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)
KARUNDA 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)	4.214
2.	Pollution control expenses (Statutory)	-
3.	Gardening Expenses	2.50
4.	CSR Expenses	46.0
Total (Rs. in Lacs)		52.714/-

J.K. *Cement* WORKS, MANGROL (RAJ)
KARUNDA 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)	221757
3.	Gardening Expenses	256942
4.	CSR Expenses	2268091
Total (Rs.)		2818849/-