

LIMESTONE MINES: -Narmada Cement Mine-Babarkot

KEY ENVIRONMENTAL PARAMETERS

1	STATIC INFORMATION (Physical Data)		
1.1	M.L.No.	MCR-1583-(N-1)-1942/CHH	
1.2	Area (Ha)	565.94	EC-J-11015/205/2005/IA.II(M) dated 21.09.2005
1.3	Lease Duration	20 year	Mine Code : 38GUJ02004
1.4	Date Of Commensoning (Execution)	02.01.1979	
1.5	Production (Capacity)	23 Lac T / A	
2	DYNAMIC PARAMETER		

2.1 Ambient Air Quality

Fugitive AIR QUALITY MONITORING RESULTS (Microgram/M3)

CORE ZONE

Parameters	Permissible Limit	Location (Actual value)							
		Site I		Site II		Site III		Site IV	
		Max	Min	Max	Min	Max	Min	Max	Min
PM 2.5	60	32.0	9	34	10	32.0	9	36	10
PM-10	100	66	22	80	23	72	19	74	24
SO2	80	12.4	10.2	15.3	10.6	14.2	10.6	12.8	9.9
NOx	80	19.6	11.9	20.6	10.5	19.8	12.8	20.4	12.9

BUFFER ZONE

Parameters	Permissible Limit	Location (Actual value)							
		Site I		Site II		Site III		Site IV	
		Max	Min	Max	Min	Max	Min	Max	Min
PM 2.5	60	28	11	27	14	30	10	26	13
PM-10	100	58	29	57	32	64	27	62	30
SO2	80	13.5	9.8	13.4	10.2	13.4	9.8	12.6	10.1
NOx	80	20.4	11.2	20.8	10.1	20.2	11.4	19.8	12.6

2.2 Vibration due to Blasting

Trans	Vert	Long
0.783	0.784	0.508

Peak Particle velocity at 300 M (Average) mm/s

2.3 Quality of Discharge Water
TDS,DO,PH,total suspended solids(TSS) NO DISCHARGE

2.4	Greenbelt / Plantation						
	2010*	2009	2008	2007	2006	2005	Cumulative
No. of Trees Planted	10548	7166	4155	7011	2942	4841	36663
Area (Hect.) under Plantation	0.57	2.11	2.00	1.89	1.65	0.97	9.19

Nearly 7000 species were planted as replacement of dead plants.