

LIMESTONE MINES: -Narmada Cement Mine-Babarkot

**KEY ENVIRONMENTAL PARAMETERS**

<b>1</b>	<b>STATIC INFORMATION (Physical Data)</b>		
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	
<b>2</b>	<b>DYNAMIC PARAMETER</b>		

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	28	9	32	10	31	9	28	10
PM-10	100	49	22	80	23	49	19	53	24
SO2	80	12.4	10.2	15.3	10.6	14.2	10.6	12.6	9.9
NOx	80	14.5	11.9	15.6	10.5	18.1	12.8	17.4	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	22	11	27	14	20	10	24	13
PM-10	100	52	29	57	32	58	27	52	30
SO2	80	13.5	9.8	13.4	10.2	13.4	9.8	12.6	10.1
NOx	80	13.2	11.2	13.9	10.1	17.3	11.4	13.4	12.6

**2.2 Vibration due to Blasting**  
Peak Particle velocity at 300 M 4.3 mm /sec

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

<b>2.4</b>	<b>Greenbelt / Plantation</b>						
	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 plants as replacement.