

LIMESTONE MINES: -Narmada Cement Mine-Babarkot

KEY ENVIRONMENTAL PARAMETERS FOR QUARTER (July to Sept-2011)

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 years	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 (Fortnightly Monitoring)							
		Site I		Site II		Site III		Site IV	
		Max	Min	Max	Min	Max	Min	Max	Min
PM 2.5	60	18.0	11.0	17.0	9.0	17.0	8.0	21.0	9.0
PM-10	100	37.0	20.0	36.0	24.0	43.0	43.0	35.0	29.0
SO ₂	80	11.2	10.5	10.2	8.9	11.4	9.1	10.8	10.2
NO _x	80	17.4	16.0	18.1	16.6	17.8	16.5	16.9	15.8

BUFFER ZONE

Parameters	Permissible Limit	Location (Fortnightly Monitoring)							
		Site I		Site II		Site III		Site IV	
		Max	Min	Max	Min	Max	Min	Max	Min
PM 2.5	60	20.0	8.0	18.0	12.0	24.0	14.0	22.0	10.0
PM-10	100	40.0	18.0	38.0	12.0	38.0	25.0	40.0	9.0
SO ₂	80	12.2	11.8	12.5	10.9	12.1	11.1	11.8	10.1
NO _x	80	19.8	14.8	20.4	15.3	19.4	18.0	18.7	14.9

2.2 Vibration due to Blasting
Peak Particle velocity at 300 M
(Average)

Trans	Vert	Long	
1.27	1.59	0.83	mm/s

2.3 Quality of Discharge Water

TDS,DO,PH,total suspended solids(TSS) NO DISCHARGE

2.4	Greenbelt / Plantation							
	2011*	2010*	2009	2008	2007	2006	2005	Cumulative
No. of Trees Planted	10470	10548	7166	4155	7011	2942	4841	47133
Area (Hect.) under Plantation	2.35	0.57	2.11	2.00	1.89	1.65	0.97	11.54
Survival rate	71%							

*Nearly 7000 species were plants as replacement.

2011 - In addition to the forestry Plantation nearly 8392 ornamental plantation was carried out