

LIMESTONE MINES: -Narmada Cement Mine-Babarkot

KEY ENVIRONMENTAL PARAMETERS FOR QUARTER (APRIL-JUNE-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	34.0	24.0	29.0	22.0	36.0	26.0	32.0	24.0
PM-10	100	53.0	40.0	44.0	40.0	55.0	45.0	50.0	43.0
SO ₂	80	12.2	11.1	12.5	11.5	12.8	12.1	12.8	11.7
NO _x	80	20.1	19.0	20.5	18.6	20.5	18.2	20.3	19.6

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	25.0	20.0	26.0	20.0	27.0	24.0	24.0	20.0
PM-10	100	47.0	36.0	42.0	36.0	44.0	38.0	45.0	36.0
SO ₂	80	11.8	11.2	12.9	12.0	11.9	11.2	12.5	11.4
NO _x	80	20.8	19.4	20.5	19.4	20.5	19.4	19.8	18.4

2.2	Vibration due to Blasting Peak Particle velocity at 300 M (Average)	Trans	Vert	Long	mm/s
		0.254	0.508	0.191	

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

2.4	Greenbelt / Plantation							
	2011	2010*	2009.0	2008.0	2007.0	2006.0	2005.0	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.

2011 - Plantation will be carried out before onset of monsoon.