

LIMESTONE MINES: Kovaya Limestone Mine

KEY ENVIRONMENTAL PARAMETERS

DATE- 06.06.2011

1	STATIC INFORMATION (Physical Data)					
1.1	M.L.No.	MINE CODE : 38GUJ02009				
1.2	Area	953.3253 Hect.				
1.3	Lease Duration	20 years				
1.4	Date Of Commensoning	04.09.1995				
1.5	Production	7.84 Million tonne Capacity				
2						
DYNAMIC PARAMETER						
2.1	Ambient Air Quality(Date of monitoring 05/05/2011 and 23/05/2011)					
ABIEN T AIR QUALITY MONITORING RESULTS (Microgram/M3)						
CORE ZONE						
Parameters	Permissible Limit	Location (Actual value)				
		Site I	Site II	Site III	Site IV	Site V
PM 2.5	60	27.5	25	29.5	26	39
PM 10	100	55.5	46	51	42.5	49
SO2	120	12.8	11.45	13.5	11.95	13.15
NO2	120	19.15	17.35	18.75	16.55	17.4

BUFFER ZONE						
Parameters	Permissible Limit	Location (Actual value)				
		Site I	Site II	Site III	Site IV	Site V
PM 2.5	60	17	23	21	28	22
PM 10	100	28	35	29	38	33.5
SO2	120	9.85	10.45	9.1	10.15	10.35
NO2	120	13.1	14.5	11.95	14.9	14.55
2.2 Vibration due to Blasting						
Average Peak Particle velocity at 300 M 2.00mm/sec						
2.3 Quality of Discharge Water						
TDS,DO,PH,total suspended solids(TSS) NO DISCHARGE						
2.4 Greenbelt / Plantation						
	Total Upto -06-07	2007-08	2008-09	2009-10	2010-11	Cumulative
No. of Trees Planted	147163	13270	63640	7500	4600	236173
Area (Hect.) under Plantation	70.26	5.3	22.46	4	2	104.02