

## LIMESTONE MINES: Kovaya Limestone Mine

**KEY ENVIRONMENTAL PARAMETERS**

**DATE- 01.02.2012**

<b>1</b>	<b>STATIC INFORMATION (Physical Data)</b>					
1.1	M.L.No.	<b>MINE CODE : 38GUJ02009</b>				
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				
<b>2</b>	<b>DYNAMIC PARAMETER</b>					
<b>2.1</b>	<b>Ambient Air Quality( Date of monitoring 09/01/2012 and 31/01/2012)</b>					
AMBIENT AIR QUALITY MONITORING RESULTS (Microgram/M3)						
<b>CORE ZONE</b>						
Parameters	Permissible Limit	Location (Actual value)				
		Site I	Site II	Site III	Site IV	Site V
PM 2.5	60	22	17.5	14	17	17
PM 10	100	33	24.5	24.5	28.5	26
SO2	120	12.7	11.3	11.75	11.65	12.15
NO2	120	11.65	12.55	12.4	12	11.5

BUFFER ZONE						
Parameters	Permissible Limit	Location (Actual value)				
		Site I	Site II	Site III	Site IV	Site V
PM 2.5	60	16	21.5	19.5	24	25
PM 10	100	24	36	24	31.5	37
SO2	120	9.95	10.75	9.2	9.55	10.1
NO2	120	12.6	14.15	11.85	13.25	14.15
<b>2.2 Vibration due to Blasting</b>						
Average Peak Particle velocity at 150 M 0.4 mm/sec						
<b>2.3 Quality of Discharge Water</b>						
TDS,DO,PH,total suspended solids(TSS) NO DISCHARGE						
<b>2.4 Greenbelt / Plantation</b>						
	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