

LIMESTONE MINES: Kovaya Limestone Mine

KEY ENVIRONMENTAL PARAMETERS

DATE- 06.05.2011

| 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 04/04/2011 and 07/04/2011) | | | | | |
| 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 | 21 | 29 | 23 | 24 | 22 |
| PM 10 | 100 | 53 | 42 | 46 | 37 | 45 |
| SO2 | 120 | 14.1 | 14.1 | 13.6 | 14.7 | 15.8 |
| NO2 | 120 | 12 | 12.6 | 12.5 | 12.1 | 12.1 |

| 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 |