

LIMESTONE MINES: Kovaya Limestone Mine

KEY ENVIRONMENTAL PARAMETERS

DATE- 01.10.2011

| 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 02/09/2011 and 30/09/2011) | | | | | |
| AMBIENT 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 | 15 | 17.5 | 20 | 22 |
| PM 10 | 100 | 40 | 26.5 | 25 | 29.5 | 34 |
| SO2 | 120 | 12.35 | 11 | 10.75 | 12.05 | 11.7 |
| NO2 | 120 | 14.1 | 14.45 | 11.7 | 13.3 | 14.1 |

| BUFFER ZONE | | | | | | |
|---|-------------------|-------------------------|---------|----------|---------|------------|
| Parameters | Permissible Limit | Location (Actual value) | | | | |
| | | Site I | Site II | Site III | Site IV | Site V |
| PM 2.5 | 60 | 22 | 25 | 19.5 | 26.5 | 15.5 |
| PM 10 | 100 | 33.5 | 36 | 24 | 35.5 | 22 |
| SO2 | 120 | 12.1 | 12.3 | 11.45 | 10.65 | 10.75 |
| NO2 | 120 | 13.5 | 13.9 | 13.45 | 12.25 | 11.4 |
| 2.2 Vibration due to Blasting Average Peak Particle velocity at 300 M 0.5 mm/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 |