

**MALIAKHERA LIMESTONE MINES****M/s J. K. Cement Works**

Date :13.07.2019

**KEY ENVIRONMENTAL PARAMETERS**  
**Quarter Q - 1 (From April 2019 - June 2019)**

|                                  |                                                      |                         |      |                    |                         |                       |       |              |       |
|----------------------------------|------------------------------------------------------|-------------------------|------|--------------------|-------------------------|-----------------------|-------|--------------|-------|
| 1                                | STATIC INFORMATION (Physical Data)                   |                         |      |                    |                         |                       |       |              |       |
| 1.1                              | M. L. No.                                            |                         |      |                    | 4/03                    |                       |       |              |       |
| 1.2                              | Area                                                 |                         |      |                    | 315.409 Hectare         |                       |       |              |       |
| 1.3                              | Lease Duration                                       |                         |      |                    | Valid upto 12.12.2034   |                       |       |              |       |
| 1.4                              | Date of Commissioning                                |                         |      |                    | 13.12.1984              |                       |       |              |       |
| 1.5                              | Production Capacity                                  |                         |      |                    | 3.2 MMTPA               |                       |       |              |       |
|                                  |                                                      |                         |      |                    |                         |                       |       |              |       |
| 2                                | DYNAMIC PARAMETER                                    |                         |      |                    |                         |                       |       |              |       |
| 2.1                              | Ambient Air Quality                                  |                         |      |                    |                         |                       |       |              |       |
| Parameters                       | Permissible Limit                                    | LOCATION (Actual Value) |      |                    |                         |                       |       |              |       |
|                                  |                                                      | Near Mine Office        |      | Near Ravana Office |                         | 3 to10 Meter Distance |       | Near loading |       |
|                                  |                                                      | Max                     | Min  | Max                | Min                     | Max                   | Min   | Max          | Min   |
| SPM                              | 500                                                  | NA                      | NA   | NA                 | NA                      | 386.0                 | 377.0 | 386.0        | 380.0 |
| PM 10                            | 100                                                  | 53.4                    | 51.0 | 70.7               | 67.1                    | NA                    | NA    | NA           | NA    |
| PM 2.5                           | 60                                                   | 39.5                    | 38.2 | 52.9               | 51.7                    | NA                    | NA    | NA           | NA    |
| NOx                              | 80                                                   | 25.5                    | 23.6 | 27.1               | 25.9                    | 25.6                  | 24.2  | 25.6         | 25.0  |
|                                  |                                                      |                         |      |                    |                         |                       |       |              |       |
| 2.2                              | Vibration due to Blasting (max Value of the Quarter) |                         |      |                    |                         |                       |       |              |       |
|                                  | Peak particle velocity at 300 mtr is 2.56 mm/sec.    |                         |      |                    |                         |                       |       |              |       |
|                                  |                                                      |                         |      |                    |                         |                       |       |              |       |
| 2.3                              | Quality of Discharge Water                           |                         |      |                    |                         |                       |       |              |       |
|                                  | No water discharge from mines                        |                         |      |                    |                         |                       |       |              |       |
|                                  |                                                      |                         |      |                    |                         |                       |       |              |       |
| 2.4                              | Greenbelt / Plantation (Within Lease Area)           |                         |      |                    |                         |                       |       |              |       |
| Year                             | 2018-19                                              |                         |      |                    | Cummulative (2005 - 18) |                       |       |              |       |
| No. of Tree Planted within lease | 1255                                                 |                         |      |                    | 26905                   |                       |       |              |       |
| Area (hect.) under Plantation    | 1                                                    |                         |      |                    | 14.64                   |                       |       |              |       |