

**KARUNDA LIMESTONE MINES**

M/s J. K. Cement Works

Date : 15.10.2018

**KEY ENVIRONMENTAL PARAMETERS**  
**Quarter Q - 2 (From July 2018 - September 2018)**

|                                  |                                                      |                         |       |                    |                                            |                       |       |              |       |
|----------------------------------|------------------------------------------------------|-------------------------|-------|--------------------|--------------------------------------------|-----------------------|-------|--------------|-------|
| 1                                | STATIC INFORMATION (Physical Data)                   |                         |       |                    |                                            |                       |       |              |       |
| 1.1                              | M. L. No.                                            |                         |       |                    | 3/03                                       |                       |       |              |       |
| 1.2                              | Area                                                 |                         |       |                    | 240.86 Hectare                             |                       |       |              |       |
| 1.3                              | Lease Duration                                       |                         |       |                    | Valid upto 12.12.2034                      |                       |       |              |       |
| 1.4                              | Date of Commissioning                                |                         |       |                    | 13.12.1984                                 |                       |       |              |       |
| 1.5                              | Production Capacity                                  |                         |       |                    | 2.0 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                                                  | 290.2                   | 223.4 | 369.7              | 313.5                                      | 414.2                 | 358.0 | 373.0        | 287.5 |
| PM 10                            | 100                                                  | 35.9                    | 26.1  | 47.4               | 37.9                                       | 50.9                  | 40.1  | 46.8         | 35.8  |
| NOx                              | 80                                                   | 24.6                    | 18.6  | 13.8               | 9.7                                        | 31.9                  | 20.2  | 31.4         | 20.1  |
|                                  |                                                      |                         |       |                    |                                            |                       |       |              |       |
| 2.2                              | Vibration due to Blasting (max Value of the Quarter) |                         |       |                    |                                            |                       |       |              |       |
|                                  | Peak particle velocity at 300 mtr is 2.83 mm/sec.    |                         |       |                    |                                            |                       |       |              |       |
|                                  |                                                      |                         |       |                    |                                            |                       |       |              |       |
| 2.3                              | Quality of Discharge Water                           |                         |       |                    |                                            |                       |       |              |       |
|                                  | No water discharge from mines                        |                         |       |                    |                                            |                       |       |              |       |
|                                  |                                                      |                         |       |                    |                                            |                       |       |              |       |
| 2.4                              | Greenbelt / Plantation (Within Lease Area)           |                         |       |                    |                                            |                       |       |              |       |
| Year                             | 2018-19                                              |                         |       |                    | Cumulative (2004 -18) upto 31st March 2018 |                       |       |              |       |
| No. of Tree Planted within lease |                                                      |                         |       |                    | 26494                                      |                       |       |              |       |
| Area (hect.) under Plantation    |                                                      |                         |       |                    | 10.83                                      |                       |       |              |       |