

**KARUNDA Limestone MINES**

M/s J. K. Cement Works

Date: 18/01/2022

**KEY ENVIRONMENTAL PARAMETERS**  
**Quarter Q-3 (October-December'2021)**

|                                             |                                                      |                         |      |                    |      |                                          |       |                    |       |
|---------------------------------------------|------------------------------------------------------|-------------------------|------|--------------------|------|------------------------------------------|-------|--------------------|-------|
| 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 point |       |
|                                             |                                                      | Max                     | Min  | Max                | Min  | Max                                      | Min   | Max                | Min   |
| SPM                                         | 500                                                  | NA                      | NA   | NA                 | NA   | 416.0                                    | 335.0 | 340.0              | 286.0 |
| PM 10                                       | 100                                                  | 45.6                    | 32.4 | 56.5               | 40.3 | NA                                       | NA    | NA                 | NA    |
| PM 2.5                                      | 60                                                   | 28.7                    | 22.4 | 38.5               | 31.1 | NA                                       | NA    | NA                 | NA    |
| NOx                                         | 80                                                   | 27.7                    | 16.5 | 31.9               | 21.2 | 26.2                                     | 19.3  | 21.9               | 13.8  |
|                                             |                                                      |                         |      |                    |      |                                          |       |                    |       |
| 2.2                                         | Vibration due to Blasting (max Value of the Quarter) |                         |      |                    |      |                                          |       |                    |       |
|                                             | Peak particle velocity at 300 mtr is 2.984 mm/sec.   |                         |      |                    |      |                                          |       |                    |       |
|                                             |                                                      |                         |      |                    |      |                                          |       |                    |       |
| 2.3                                         | Quality of Discharge Water                           |                         |      |                    |      |                                          |       |                    |       |
|                                             | No water discharge from mines                        |                         |      |                    |      |                                          |       |                    |       |
|                                             |                                                      |                         |      |                    |      |                                          |       |                    |       |
| 2.4                                         | Greenbelt / Plantation (Within Lease Area)           |                         |      |                    |      |                                          |       |                    |       |
| Year                                        | FY 2021-22 till 30.09.2021                           |                         |      |                    |      | Cummulative (2005 - 21 ) upto March 2021 |       |                    |       |
| No. of Tree Planted within lease            | 8778                                                 |                         |      |                    |      | 58600                                    |       |                    |       |
| Area (hect.) under                          | 1.267(including gap filling)                         |                         |      |                    |      | 23                                       |       |                    |       |
| Greenbelt / Plantation (Outside Lease Area) |                                                      |                         |      |                    |      |                                          |       |                    |       |
| Year                                        | FY 2021-22                                           |                         |      |                    |      | Cummulative (2005 - 21 ) upto March 2021 |       |                    |       |
| No. of Tree Planted within lease            | 0                                                    |                         |      |                    |      | 3750                                     |       |                    |       |
| Area (hect.) under Plantation               | 0                                                    |                         |      |                    |      | 1.5                                      |       |                    |       |