

SAGAR CEMENTS LIMESTONE MINE - 2 OF SAGAR CEMENTS LIMITED

Pedaveedu Village, Mattampally Mandal, Suryapet District.

AMBIENT AIR QUALITY MONITORING REPORTS (July - Sept. 2021)

| Sl No | Location | Near Drilling | Near Loading | Haul Road Cross | Haul road exit of MLB | Near Haulage road | Near Mines Office | Gundlapally Village | Pedaveedu Village | Ramachandrapuram Village | LIMITS | PROTOCOL | |
|-------|--|---------------|--------------|-----------------|-----------------------|-------------------|-------------------|---------------------|-------------------|--------------------------|--------|-------------------|-----|
| | | 20.09.2021 | | 15.09.2021 | | 20.09.2021 | | 19.09.2021 | | | | | |
| | Date of Sampling | Core Zone | | | | | | Buffer Zone | | | *** | *** | |
| 1 | Total time of monitoring | 24 Hours | | | | | | | | | | *** | *** |
| 2 | Average flow rate (cum/min) | 1.07 | 1.10 | 1.05 | 1.12 | 1.12 | 1.05 | 1.02 | 1.07 | 1.12 | *** | *** | |
| 3 | Particulate matter concentration ($\mu\text{g}/\text{m}^3$)-PM10 | 72 | 76 | 72 | 65 | 69 | 56 | 63 | 61 | 47 | <100 | IS-5182 (Part-23) | |
| 4 | Particulate matter Concentration($\mu\text{g}/\text{m}^3$)-PM2. | 28 | 30 | 27 | 23 | 26 | 18 | 23 | 20 | 15 | <60 | NAAQMS/36/2012-13 | |
| 5 | Sulphur dioxide (So2) Concentration($\mu\text{g}/\text{m}^3$) | 10 | 13 | 13 | 10 | 12 | 09 | 10 | 07 | 07 | <80 | IS-5182 (Part-2) | |
| 6 | Nitrogen dioxide (No2) Concentration($\mu\text{g}/\text{m}^3$) | 24 | 27 | 26 | 22 | 25 | 21 | 18 | 19 | 16 | <80 | IS-5182 (Part-6) | |
| 7 | CO Concentration (ppm) | <1 | <1 | - | - | <1 | <1 | <1 | <1 | -- | <2 | IS-5182 (Part-10) | |