

# STAR CEMENT LIMITED

March – 2018

## STACK EMISSION MONITORING RESULTS (Average Values)

| Sl. No. | Stack Attached To                    | Particulate Matter (mg/Nm <sup>3</sup> ) |
|---------|--------------------------------------|--|
| 1       | Primary Crusher (Bag Filter)         | 17.3                                     |
| 2       | Secondary Crusher (Bag Filter)       | 19.2                                     |
| 3       | RABH                                 | 23.8                                     |
| 4       | Coal Mill                            | 16.7                                     |
| 5       | Cooler ESP                           | 21.7                                     |
| 6       | Roller Press Mill (581 Bag Filter-1) | 19.7                                     |
| 7       | Cement Mill (Bag Filter)             | 17.4                                     |
| 8       | Packing Plant (Bag Filter)           | 19.2                                     |

## AMBIENT AIR QUALITY MONITORING RESULTS (Average Values)

| Stations<br>↓                        | Parameters → | Respirable Suspended particulate Matter (µg/m <sup>3</sup> ) |                   | Gaseous Emission (µg/m <sup>3</sup> ) |                 |
|--------------------------------------|--------------|--|-------------------|---------------------------------------|-----------------|
|                                      |              | PM <sub>10</sub>   | PM <sub>2.5</sub> | SO <sub>2</sub>                       | NO <sub>2</sub> |
| Station #1 (Near Guest House)        |              | 64.4   | 39.3              | 5.8                                   | 14.5            |
| Station #2 (Near Pump House)         |              | 68.2   | 41.9              | 8.1                                   | 16.8            |
| Station #3 (Near Security Gate No-2) |              | 75.2   | 45.7              | 9.3                                   | 21.7            |
| Station #4 (Staff Quarters - 4)      |              | 62.1   | 37.9              | 5.7                                   | 15.1            |

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### **FUGITIVE EMISSION MONITORING RESULTS** **(Average Values)**

| <b>Location</b>           | <b>Fugitive Emission Results<br/>(in µg/m<sup>3</sup>)</b> | <b>Limit<br/>(in µg/m<sup>3</sup>)</b> |
|---------------------------|--|--|
| Coal Storage Section      | 1485   | <b>2000</b>                            |
| Limestone Storage Section | 2876   | <b>5000</b>                            |
| Cement Packing Plant      | 3494   | <b>5000</b>                            |