

# STAR CEMENT MEGHALAYA LIMITED

February – 2018

## STACK EMISSION MONITORING RESULTS (Average Values)

| Sl. No. | Stack Attached To            | Particulate Matter (mg/Nm <sup>3</sup> ) |
|---------|------------------------------|--|
| 1       | Limestone Crusher Bag Filter | 17.4                                     |
| 2       | Additive Crusher Bag Filter  | 16.15                                    |
| 3       | RABH                         | 18.3                                     |
| 4       | Coal Mill                    | 17.45                                    |
| 5       | Cooler ESP                   | 16.4                                     |

## AMBIENT AIR QUALITY MONITORING RESULTS (Average Values)

| Stations<br>↓                     | Parameters → | Respirable Suspended<br>particulate Matter<br>(µg/m <sup>3</sup> ) |                   | Gaseous Emission<br>(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 Pump House)      |              | 53.3   | 38.6              | 10.8                                     | 24.5            |
| Station #2 (Near Worker Colony)   |              | 50.9   | 32.1              | 9.5                                      | 24.6            |
| Station #3 (Near Raw Mill Hopper) |              | 55.9   | 41.2              | 11.8                                     | 27.1            |
| Station #4 (Behind MPL DM Plant)  |              | 52.8   | 34.0              | 10.4                                     | 26.5            |
| Station #5 (Near Water Reservoir) |              | 53.7   | 34.9              | 12.0                                     | 27.4            |

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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      | 1669   | <b>2000</b>                            |
| Limestone Storage Section | 1964   | <b>5000</b>                            |
| Clinker Loading Section   | 1427   | <b>2000</b>                            |