



Monthly Plant Environment monitoring report

Dated: 7th Nov., 2016

CHITTOR CEMENT PLANT
Of

M/s Lafarge India Limited

(Villages- Bhawalia, Mangrol and Arniya Joshi, Tehsil- Nimbahera, District. Chittorgarh, Rajasthan)

Environmental Clearance letter no.:

- Letter No.: J-11011/1097/2007-IA-II (I) dated 23.12.2008 for Integrated Cement Plant (Cement 1.6 MTPA; Clinker 1.6 MTPA), Captive Power Plant (25 MW), DG set (5 MW) and Arniya Joshi Limestone Mining (2.6 MTPA, 1476.425 ha.)
- J-11011/113/2011-IA-II (I) dated 19.06.2012 for Proposed Expansion of Cement Plant (from 1.6 MTPA to 2.6 MTPA)

| KEY PARAMETERS | | | | | |
|--|---------------------------------|---|--------------|-------------|----------|
| A) Static Information | | | | | |
| 1. Plant Area | : | 182.7 Hact. | | | |
| 2. Production capacity | : | Clinker- 1.6 MTPA Cement- 2.6 MTPA | | | |
| 3. Date of Commencement of the work | | 24/8/2016. | | | |
| B. Dynamic Parameters- Monitoring data for the month of Nov.'16. | | | | | |
| Pollutants in ($\mu\text{g}/\text{m}^3$) | RSPCB (Max.) | AAQ (Monthly Average) data | | | |
| | | Location of Ambient Air Quality Monitoring Stations | | | |
| | | Crusher Gate | Mangrol Gate | Main Gate-1 | Township |
| Particulate Matter (PM _{2.5}) | 60 | 27.43 | 25.00 | 28.62 | 23.54 |
| Particulate Matter (PM ₁₀) | 100 | 59.74 | 55.95 | 62.70 | 52.74 |
| NOx | 80 | 17.73 | 17.18 | 19.49 | 16.09 |
| SOx | 80 | 6.33 | 6.29 | 7.30 | 5.89 |
| O ₃ | 180 | 6.79 | 6.02 | 6.71 | 4.87 |
| Pb | 1 | 0.07 | 0.05 | 0.07 | 0.06 |
| CO | 4 | BDL | BDL | BDL | BDL |
| NH ₃ | 400 | 6.05 | 5.39 | 5.95 | 5.01 |
| C ₆ H ₆ | 5 | ND | ND | ND | ND |
| BaP | 1 | ND | ND | ND | ND |
| As | BDL (DL-0.5 mg/m ³) | BDL | BDL | BDL | BDL |
| Ni | 20 | 5.36 | 5.41 | 6.11 | 4.92 |



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| Hg | -- | ND | ND | ND | ND | ND |
|--|---|---------|----------|----------|---------|----|
| C. Green belt development /Plantation data. | | | | | | |
| No. Of Plants are planted till Dec.'15 | 32919 Plants are planted from 2011 to till Dec.'15 at LIL Plant, Colony & Nearby area by M/s Lafarge India Limited. | | | | | |
| Calendar year wise (Nos). | 2011-12 | 2012-13 | 2013-14 | 2015 | | |
| | 8092 | 4970 | 15107 | 4750 | | |
| Month-wise Plantation for LIL in 2016. | Jan.'16 | Feb.'16 | March'16 | April'16 | May'16 | |
| | 182 | 389 | 250 | 1385 | 147 | |
| | June'16 | July'16 | Aug.'16 | Sept.'16 | Oct.'16 | |
| | 787 | 1179 | 619 | 20 | 0 | |
| | Nov.'16 | | | | | |
| | 185 | | | | | |

Ramesh Warke
(Vice President-CCP)

Lafarge India Limited
Chittor Cement Plant
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