

# Ambuja Cement

## STACK EMISSION MONITORING RESULTS (FEBRUARY 2017) (Monthly Average Value)

| Sr. No. | Stack Attached To                | Particulate Matter (mg/Nm <sup>3</sup> ) |
|---------|----------------------------------|--|
| 1       | Cement Mill Bag House            | 12.62                                    |
| 2       | D.G. Set                         | Not Operated                             |
| 3       | Clinker Dump Hopper-1 Bag Filter | 13.86                                    |
| 4       | Clinker Dump Hopper-2 Bag Filter | 14.73                                    |
| 5       | Packing Plant -1 Bag Filter      | 16.37                                    |
| 6       | Packing Plant -2 Bag Filter      | 15.37                                    |

## AMBIENT AIR MONITORING RESULTS (FEBRUARY 2017) (Monthly Average Values)

| Stations  | Respirable Suspended Particulate Matter (µg/M <sup>3</sup> ) |       | Gaseous Emission (µg/M <sup>3</sup> ) |                 |
|---|--|-------|---------------------------------------|-----------------|
|   | PM10   | PM2.5 | SO <sub>2</sub>                       | NO <sub>x</sub> |
| Station No. 1 (Labour Hutment towards Jajhra)     | 60.4   | 18.92 | 7.4                                   | 10.3            |
| Station No. 2 (Rain Water Harvesting)             | 58.4   | 20.08 | 7.6                                   | 11.6            |
| Station No. 3 (Rooftop of Adm. Block)             | 61.7   | 20.35 | 7.0                                   | 10.8            |
| Station No. 4 (Rooftop of Guest House)            | 57.2   | 19.46 | 7.0                                   | 10.3            |
| Station No. 5 (Near Nursery towards Pater Phaloo) | 54.9   | 20.69 | 7.8                                   | 11.7            |
| Station No. 6 (STP- Towards Ratyor)               | 59.5   | 18.81 | 7.7                                   | 11.8            |

## TREATED SEWAGE WATER QUALITY (FEBRUARY 2017) (Monthly Average Values)

| Parameters          | Units   | STP1 Inside Plant |               |         | STP2 Outside Plant |               |         |
|---------------------|---------|-------------------|---------------|---------|--------------------|---------------|---------|
|                     |         | Minimum Value     | Maximum Value | Average | Minimum Value      | Maximum Value | Average |
| pH                  | -       | 8                 | 9.5           | -       | 8                  | 9.5           | -       |
| TSS                 | Mg/lit. | 20                | 55            | 38      | 40                 | 70            | 57      |
| BOD <sub>5day</sub> | Mg/lit. | 12                | 20            | 16      | 14                 | 26            | 19.6    |
| COD                 | Mg/lit. | 40                | 80            | 56      | 40                 | 100           | 76      |

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## ONLINE AMBIENT AIR QUALITY & STACK EMISSION MONITORING RESULTS - (FEBRUARY 2017)

| Date | CAAQMS Data      |                   |               |                |                | Stack Emission Data            |
|------|------------------|-------------------|---------------|----------------|----------------|--------------------------------|
|      | PM 10<br>(ug/m3) | PM 2.5<br>(ug/m3) | CO<br>(ug/m3) | SO2<br>(ug/m3) | Nox<br>(ug/m3) | PM<br>Concentration<br>(mg/M3) |
|      |                  |                   |               |                |                |                                |
|      |                  |                   |               |                |                |                                |
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|      |                  |                   |               |                |                |                                |
|      |                  |                   |               |                |                |                                |
|      |                  |                   |               |                |                |                                |

\*- Analyser Problem

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## HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (FEBRUARY 2017)

| Stations  | Parameters                  |                              |                           |
|---|-----------------------------|------------------------------|---------------------------|
|   | Nickel (ng/M <sup>3</sup> ) | Arsenic (ng/M <sup>3</sup> ) | Lead (µg/M <sup>3</sup> ) |
| Station No. 1 (Labour Hutment towards Jajhra)     | ND                          | ND                           | ND                        |
| Station No. 2 (Rain Water Harvesting)             | ND                          | ND                           | ND                        |
| Station No. 3 (Rooftop of Adm. Block)             | ND                          | ND                           | ND                        |
| Station No. 4 (Rooftop of Guest House)            | ND                          | ND                           | ND                        |
| Station No. 5 (Near Nursery towards Pater Phaloo) | ND                          | ND                           | ND                        |
| Station No. 6 (STP- Towards Ratyor)               | ND                          | ND                           | ND                        |

ND – Not Detected.