

Ambuja Cement

STACK EMISSION MONITORING RESULTS (JUNE 2015)

(Average Value)

| Sr. No. | Stack Attached To | Particulate Matter (mg/Nm ³) |
|---------|----------------------------------|--|
| 1 | Cement Mill Bag House | 8.97 |
| 2 | D.G. Set | Not Operated |
| 3 | Clinker Dump Hopper-1 Bag Filter | 12.33 |
| 4 | Clinker Dump Hopper-2 Bag Filter | 13.08 |
| 5 | Packing Plant -1 Bag Filter | 13.85 |
| 6 | Packing Plant -2 Bag Filter | 12.58 |

AMBIENT AIR MONITORING RESULTS (JUNE 2015)

(Average Values)

| Stations | Respirable Suspended Particulate Matter (µg/M ³) | | Gaseous Emission (µg/M ³) | |
|--------------------------------------|--|-------|---------------------------------------|-----------------|
| | PM10 | PM2.5 | SO ₂ | NO _x |
| Station No. 1 (Near Adm. Office) | 54.9 | 18.66 | 8.1 | 12.5 |
| Station No. 2 (Near Scrap Yard) | 59.8 | 19.90 | 7.5 | 11.1 |
| Station No. 3 (Near MPSS) | 64.1 | 21.96 | 7.5 | 10.8 |
| Station No. 4 (Towards Navagraon) | 58.6 | 18.12 | 7.6 | 11.2 |
| Station No. 5 (Towards Pater Phaloo) | 57 | 19.19 | 7.4 | 11 |
| Station No. 6 (Towards Ratyor) | 65.4 | 18.85 | 8.1 | 11.8 |

TREATED SEWAGE WATER QUALITY (JUNE 2015)

(Average Values)

| Parameters | Units | STP1 Inside Plant | | | STP2 Outside Plant | | |
|---------------------|---------|-------------------|---------------|---------|--------------------|---------------|---------|
| | | Minimum Value | Maximum Value | Average | Minimum Value | Maximum Value | Average |
| Ph | - | 8 | 8.5 | - | 8.0 | 8.5 | - |
| TSS | Mg/lit. | 25 | 35 | 30 | 35 | 55 | 45 |
| BOD _{5day} | Mg/lit. | 10 | 16 | 12 | 12 | 22 | 17.6 |
| COD | Mg/lit. | 40 | 80 | 56 | 60 | 80 | 68 |

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ONLINE AMBIENT AIR QUALITY & STACK EMISSION MONITORING RESULTS - (JUNE 2015)

| Date | CAAQMS Data | | | | | Stack Emission Data |
|------------|------------------|-------------------|---------------|----------------------------|----------------|-----------------------------|
| | PM 10 (ug/m3) | PM 2.5 (ug/m3) | CO (ug/m3) | SO ₂ (ug/m3) | Nox (ug/m3) | PM Concentration (mg/M3) |
| 01/06/2015 | 30.48 | 7.29 | 0.44 | 5.09 | 23.71 | 4.02 |
| 02/06/2015 | 31.59 | 7.57 | 0.4 | 5.67 | 23.74 | 1.18 |
| 03/06/2015 | 22.86 | 8.01 | 0.38 | 5.11 | 23.73 | 2.35 |
| 04/06/2015 | 41.87 | 17 | 0.43 | 5.55 | 23.75 | 3.93 |
| 05/06/2015 | 34.72 | 14.47 | 0.43 | 2.08 | 23.73 | 5.95 |
| 06/06/2015 | 43.07 | 17.54 | 0.44 | 4.17 | 23.72 | 4.21 |
| 07/06/2015 | 55.84 | 21.43 | 0.44 | 9.97 | 23.77 | 0.98 |
| 08/06/2015 | 43.43 | 17.5 | 0.44 | 3.94 | 23.75 | 3.51 |
| 09/06/2015 | 36.93 | 17.13 | 0.45 | 3.2 | 23.74 | 0.83 |
| 10/06/2015 | 79.67 | 23.2 | 0.38 | 20.74 | 23.76 | 2.25 |
| 11/06/2015 | 34.55 | 10.14 | 0.3 | 11.47 | 23.74 | 4.25 |
| 12/06/2015 | 47.51 | 18.87 | 0.26 | 11.38 | 23.74 | 3.44 |
| 13/06/2015 | 52.1 | 18.53 | 0.28 | 10.33 | 23.78 | 3.82 |
| 14/06/2015 | 41.83 | 18.16 | 0.29 | 18.14 | 23.77 | 3.89 |
| 15/06/2015 | 42.24 | 18.74 | 0.29 | 10.85 | 23.76 | 5.01 |
| 16/06/2015 | 46.56 | 17.36 | 0.28 | 16.3 | 23.78 | 4.1 |
| 17/06/2015 | 58.74 | 22.84 | 0.28 | 18.39 | 23.78 | 0.9 |
| 18/06/2015 | 69.04 | 12.74 | 0.22 | 125.25 | 23.73 | 3.95 |
| 19/06/2015 | 71.02 | 17.11 | 0.32 | 208.69 | 23.62 | 3.42 |
| 20/06/2015 | 37.5 | 16.09 | 0.29 | 10.89 | 23.78 | 2.52 |
| 21/06/2015 | 47.48 | 22.13 | 0.28 | 8.94 | 23.78 | 4.44 |
| 22/06/2015 | 51.2 | 19.74 | 0.28 | 14.43 | 23.78 | 5.05 |
| 23/06/2015 | 55.24 | 27.89 | 0.31 | 24.06 | 23.8 | 5.67 |
| 24/06/2015 | 69.14 | 17.88 | 0.3 | 19.69 | 23.79 | 5.24 |
| 25/06/2015 | 41.96 | 12.03 | 0.28 | 10.29 | 23.8 | 2.94 |
| 26/06/2015 | 55.87 | 4.04 | 0.3 | 19.55 | 23.8 | 4.25 |
| 27/06/2015 | 54.34 | 9.12 | 0.3 | 21.96 | 23.81 | 4.02 |
| 28/06/2015 | 59.86 | 14.21 | 0.3 | 13.53 | 23.8 | 3.92 |
| 29/06/2015 | 40.6 | 11.89 | 0.29 | 8.7 | 23.8 | 5.03 |
| 30/06/2015 | 30.91 | 9.32 | 0.31 | 25.71 | 23.8 | 7.92 |

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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (JUNE 2015)

| Stations | Parameters | | |
|--------------------------------------|-----------------------------|------------------------------|---------------------------|
| | Nickel (ng/M ³) | Arsenic (ng/M ³) | Lead (µg/M ³) |
| Station No. 1 (Near Adm. Office) | ND | ND | ND |
| Station No. 2 (Near Scrap Yard) | ND | ND | ND |
| Station No. 3 (Near MPSS) | ND | ND | ND |
| Station No. 4 (Towards Navagraon) | ND | ND | ND |
| Station No. 5 (Towards Pater Phaloo) | ND | ND | ND |
| Station No. 6 (Towards Ratyor) | ND | ND | ND |

ND – Not Detected.