

**MONTH – September 2015**

**AMBIENT AIR MONITORING REPORT**

| <b>Monitoring Station</b> | <b>Avg. PM<sub>10</sub><br/>(µg/m<sup>3</sup>)</b> | <b>Avg. PM<sub>2.5</sub><br/>(µg/m<sup>3</sup>)</b> | <b>Avg. SO<sub>2</sub><br/>(µg/m<sup>3</sup>)</b> | <b>Avg. NO<sub>x</sub><br/>(µg/m<sup>3</sup>)</b> | <b>Avg. CO<br/>(µg/m<sup>3</sup>)</b> |
|---------------------------|--|---|---|---|---------------------------------------|
| Khairtal Village          | 36.57  | 22.8  | 8.66  | 7.72  | BDL                                   |
| Kukurdihi Village         | 35.43  | 20.69   | 8.46  | 9.25  | BDL                                   |
| Guest House               | 39.49  | 24.36   | 8.63  | 11  | BDL                                   |
| Water Treatment Plant     | 50.84  | 30.54   | 8.54  | 8.93  | BDL                                   |
| Mines Field Office        | 48.61  | 29.96   | 10.12   | 11.98   | BDL                                   |
| Railway Operation         | 47.67  | 27.77   | 8.77  | 10.07   | BDL                                   |

**BDL: Below Detectable level**

**STACK MONITORING REPORT**

| <b>Monitoring Station</b> | <b>Particulate Matter (mg/Nm<sup>3</sup>)</b> |
|---------------------------|---|
| Kiln Stack (Line- 1)      | Plant under shutdown                          |
| Crusher Stack (Line- 1)   | Plant under shutdown                          |
| Cooler (Line- 1)          | Plant under shutdown                          |
| Coal Mill (Line- 1)       | Plant under shutdown                          |
| Cement Mill – 1           | 19.7  |
| Cement Mill – 2           | 3.8   |
| Cement VRPM stack         | 14.9  |
| Cement Mill- 3            | 9.2   |
| Kiln Stack (Line- 2)      | 5.5   |
| Crusher Stack (Line- 2)   | 6.4   |
| Coal Mill (Line- 2)       | 22.6  |
| Cooler (Line- 2)          | 8.2   |
| DG – 04 MW                | Didn't Run in the month                       |
| DG – 10 MW                | Didn't Run in the month                       |
| TPP- 15 MW (Old)          | 27.2  |
| TPP- 33 MW                | 35.8  |
| TPP- 15 MW (New)          | Didn't Run in the month                       |

**AMBIENT NOISE LEVEL REPORT**

| <b>Location</b>       | <b>Noise Level (dB)</b> |                        |
|-----------------------|-------------------------|------------------------|
|                       | <b>Day Time (dB)</b>    | <b>Night Time (dB)</b> |
| Plant Canteen Area    | 64.9                    | 63.9                   |
| Colony                | 47.8                    | 47.1                   |
| Near Old CCR Building | 67.8                    | 67.1                   |
| Near New CCR Building | 66.9                    | 66.5                   |
| Mines Field Office    | 64.2                    | 63.8                   |
| Mines Office          | 62.2                    | 61.7                   |
| TPP area              | 67.4                    | 66.5                   |
| Main office           | 65.2                    | 64.5                   |

**WATER QUALITY REPORT**

|                                       | <b>EFFLUENT QUALITY</b> |            |            |                         |             |            |               |
|---------------------------------------|-------------------------|------------|------------|-------------------------|-------------|------------|---------------|
|                                       | <b>pH</b>               | <b>COD</b> | <b>BOD</b> | <b>Oil &amp; Grease</b> | <b>S.S.</b> | <b>TDS</b> | <b>Remark</b> |
| STP (treated)                         | 7.58                    | 37.4       | 9.0        | <0.03                   | 20          | 760        |               |
| Mines Work Shop (treated)             | 7.10                    | 80.3       | 4.0        | <0.03                   | 25          | 530        |               |
| TPP DM Plant back wash (RO installed) | 8.50                    | 85         | 4.0        | <0.03                   | 3.5         | 300        |               |

**Note: All parameters are in mg/l except pH.**