

MONTH – SEPTEMBER 2013

AMBIENT AIR MONITORING REPORT

| Monitoring Station | Avg. PM₁₀ (µg/m³) | Avg. PM_{2.5} (µg/m³) | Avg. SO₂ (µg/m³) | Avg. NOx (µg/m³) | Avg. CO (µg/m³) |
|---------------------------|--|---|---|--|---------------------------------------|
| Khairtal Village | 35.5 | 18.4 | 9.6 | 8.3 | BDL |
| Kukurdih Village | 37.3 | 20.1 | 9.1 | 8.3 | BDL |
| Guest House | 44.9 | 25.3 | 10.2 | 9.5 | BDL |
| Water Treatment Plant | 47.6 | 28.3 | 9.7 | 9.9 | BDL |
| Mines Field Office | 61.3 | 32.5 | 11.3 | 13.0 | BDL |
| Railway Operation | 53.0 | 30.8 | 10.4 | 10.5 | BDL |

BDL: Below Detectable level

STACK MONITORING REPORT

| Monitoring Station | Particulate Matter (mg/Nm³) |
|---------------------------|---|
| Kiln Stack (Line- 1) | 5.2 |
| Crusher Stack (Line- 1) | 17.5 |
| Cooler (Line- 1) | 22.4 |
| Coal Mill (Line- 1) | 36.8 |
| Cement Mill – 1 | Didn't run in the month |
| Cement Mill – 2 | 23.1 |
| Cement VRPM stack | 12.9 |
| Cement Mill- 3 | 23.5 |
| Kiln Stack (Line- 2) | 9.4 |
| Crusher Stack (Line- 2) | 20.6 |
| Coal Mill (Line- 2) | 23.8 |
| Cooler (Line- 2) | 37.4 |
| DG - 04 MW | Didn't run in the month |
| DG - 10 MW | Didn't run in the month |
| TPP- 15 MW (Old) | Didn't run in the month |
| TPP- 33 MW | 35.8 |
| TPP- 15 MW (New) | 26.1 |

AMBIENT NOISE LEVEL REPORT

| Location | Noise Level (dB) |
|--------------------|-------------------------|
| Plant Canteen Area | 62.9 |
| Colony | 47.1 |
| Near CCR Building | 73.3 |
| Mines Field Office | 63.2 |
| Mines Office | 51.8 |
| TPP area | 71.2 |
| Main office | 56.3 |

WATER QUALITY REPORT

| EFFLUENT QUALITY | | | | | | | |
|---------------------------------------|-----------|------------|------------|-------------------------|-------------|------------|---------------|
| | pH | COD | BOD | Oil & Grease | S.S. | TDS | Remark |
| STP (treated) | 7.3 | 32 | 14 | 0.1 | 22 | 385 | |
| Mines Work Shop (treated) | 7.4 | 28 | 12 | 3.1 | 23 | 294 | |
| TPP DM Plant back wash (RO installed) | 6.9 | Nil | Nil | Nil | 0 | 29 | |

Note: All parameters are in mg/lit except pH.