

A.TREATED EFFLUENT QUALITY IN THE MONTH OF OCTOBER 2010

| Date | Temp °C | pH | SS Mg/L | COD Mg/L | BOD Mg/L |
|------------|------------|-----|------------|-------------|-------------|
| 01.10.2010 | 30 | 7.7 | 98 | 312 | 24 |
| 02.10.2010 | 31 | 7.5 | 96 | 320 | 27 |
| 03.10.2010 | 30 | 7.7 | 98 | 328 | 24 |
| 04.10.2010 | 30 | 7.6 | 94 | 312 | 27 |
| 05.10.2010 | 31 | 7.5 | 96 | 328 | 24 |
| 06.10.2010 | 30 | 7.8 | 94 | 312 | 21 |
| 07.10.2010 | 29 | 7.6 | 98 | 320 | 24 |
| 08.10.2010 | 28 | 7.5 | 96 | 312 | 21 |
| 09.10.2010 | 28 | 7.6 | 94 | 328 | 24 |
| 10.10.2010 | 31 | 7.7 | 96 | 320 | 24 |
| 11.10.2010 | 31 | 7.6 | 90 | Not tested | 30 |
| 12.10.2010 | 30 | 7.5 | 94 | 328 | 27 |
| 13.10.2010 | 31 | 7.5 | 96 | 320 | 24 |
| 14.10.2010 | 31 | 7.3 | 98 | 320 | 27 |
| 15.10.2010 | 31 | 7.3 | 96 | 328 | 27 |
| 16.10.2010 | 31 | 7.6 | 96 | 320 | 30 |
| 17.10.2010 | 30 | 7.6 | 94 | 312 | 27 |
| 18.10.2010 | 32 | 7.8 | 96 | 320 | 24 |
| 19.10.2010 | 32 | 7.6 | 98 | 328 | 24 |
| 20.10.2010 | 31 | 7.4 | 100 | 312 | 27 |
| 21.10.2010 | 31 | 7.7 | 96 | 304 | 30 |
| 22.10.2010 | 28 | 7.6 | 98 | 336 | 24 |
| 23.10.2010 | 31 | 7.5 | 100 | 336 | 30 |
| 24.10.2010 | 30 | 7.4 | 94 | 296 | 27 |
| 25.10.2010 | 30 | 7.6 | 94 | 312 | 27 |
| 26.10.2010 | 28 | 7.4 | 96 | 320 | 30 |
| 27.10.2010 | 30 | 7.4 | 98 | 312 | 27 |
| 28.10.2010 | 30 | 7.5 | 98 | 320 | 27 |
| 29.10.2010 | 30 | 7.4 | 100 | 328 | 30 |
| 30.10.2010 | 29 | 7.5 | 96 | 304 | 27 |
| 31.10.2010 | 29 | 7.5 | 98 | 328 | 27 |

B. RIVER WATER QUALITY OF BARAK AND KUSHIYARA IN THE MONTH OF OCTOBER 2010

| Date | LOCATIONS | pH | SS mg/l | COD mg/l | DO mg/l | BOD mg/l |
|-------------|---|-----------|--------------------|---------------------|--------------------|---------------------|
| 10.10.2010 | 1 KM Upstream of effluent discharge point | 7.0 | 760 | 22.4 | 6.3 | 0.4 |
| | At Effluent discharge point | 7.3 | 840 | 20.8 | 6.0 | 1.1 |
| | 1 KM Downstream of effluent discharge point | 7.0 | 760 | 17.6 | 6.2 | 0.9 |
| | 15 KM Downstream at Bhanga | 7.0 | 900 | 19.2 | 6.2 | 0.9 |
| | 35 Km Downstream at Karimganj | 7.1 | 860 | 20.8 | 6.3 | 0.9 |
| 24.10.2010 | 1 KM Upstream of effluent discharge point | 7.2 | 764 | 16.0 | 6.4 | 1.2 |
| | At Effluent discharge point | 6.8 | 640 | 17.6 | 6.3 | 1.0 |
| | 1 KM Downstream of effluent discharge point | 7.1 | 720 | 19.2 | 6.3 | 1.0 |
| | 15 KM Downstream at Bhanga | 6.9 | 680 | 19.2 | 6.5 | 1.0 |
| | 35 Km Downstream at Karimganj | 7.2 | 824 | 16.0 | 6.5 | 1.0 |
| 31.10.2010 | 1 KM Upstream of effluent discharge point | 7.8 | 214 | 14.4 | 7.4 | 1.0 |
| | At Effluent discharge point | 7.7 | 204 | 24.0 | 7.2 | 1.9 |
| | 1 KM Downstream of effluent discharge point | 7.8 | 188 | 16.0 | 7.5 | 1.5 |
| | 15 KM Downstream at Bhanga | 7.7 | 196 | 16.0 | 7.3 | 1.0 |
| | 35 Km Downstream at Karimganj | 7.4 | 188 | 14.4 | 7.2 | 1.3 |

C. GROUND WATER QUALITY IN THE MONTH OF OCTOBER 2010

| Date | Source | pH | Mercury mg/l |
|-------------|---------------------------|-----------|-------------------------|
| 05.10.2010 | Bore well near sludge pit | 7.8 | BDL |
| 05.10.2010 | Piezometric tube well | 7.7 | BDL |

D. STACK EMISSION MONITORING DATA IN THE MONTH OF OCTOBER 2010

| SOURCE | Particulate Matter (mg/Nm³) | CO₂ (mg/Nm³) | H₂S (mg/Nm³) | CO (%) | Cl₂ (mg/Nm³) | HCl (mg/Nm³) |
|-----------------------------|---|---|---|--------------------|---|--------------------------------|
| C.F.Boiler – 1 | 146.6 | 6.8 | - | Less than 1 | - | - |
| C.F.Boiler – 2 | 142.2 | 5.9 | - | Less than 1 | - | - |
| C.F.Boiler - 3 | 136.8 | 6.4 | - | Less than 1 | - | - |
| Soda Recovery Boiler | 128.0 | 6.1 | 9.4 | Less than 1 | - | - |
| Hypo Stack (C&C) | - | - | - | - | 11.2 | - |
| HCl Stack (C&C) | - | - | - | - | - | 26.8 |

E. AMBIENT AIR MONITORING DATA IN THE MONTH OF OCTOBER 2010

| Source | Suspended Particulate Matter (µg/Nm³) | SO₂ (µg/Nm³) | NO_x (µg/Nm³) | RSPM (µg/Nm³) |
|-----------------------------|---|---|---|---------------------------------|
| Yard No 7 at Security Point | 184.2 | 18.2 | 13.9 | Not applicable |
| At corner of Lagoon | 181.0 | 16.8 | 12.2 | Not applicable |
| Time Office | 165.0 | 19.8 | 11.6 | 82.8 |
| Township | 82.9 | 11.6 | 9.6 | 46.2 |