

REF:ENV/K-32/CF/3/13

DTD.15-07-2010

To  
The Sr. Environmental Engineer  
Pollution Control Board, Assam  
Near Ghaniwala Lane  
Silchar -788 002

***BY SPEED POST***

**SUB: TEST RESULT FOR THE MONTH OF JUNE 2010**

Sir,

I have the honour to submit herewith the test result of key parameters of the following sources during the month of June 2010 for favour of your disposal. It is to be mentioned here that River water sample from five points as mentioned in the Test Results are collected upto Karimganj.

- (i) Treated effluent
- (ii) River water
- (iii) Ground water and Piezometric tube well
- (iv) Stack Emission and
- (v) Ambient Air.

Thanking you.

Sincerely yours  
For & on behalf of HPC Ltd.  
Cachar Paper Mill

Encl: Test Results (Five pages).

Copy to :

- i) The Member Secretary  
Pollution Control Board, Assam  
Bamunimaidam  
Guwahati – 781 021, Assam. Sr.Manager (Env & Civil )
- ii) The Joint Director (S)  
GOI, MoEF, North Eastern Regional Office  
Upland Road, Laitumkhrach  
Shillong - 793003
- iii) The Zonal Officer  
N.E. Zonal Office , Central Pollution Control Board  
Near Fire Brigade, Lower Motinagar  
Shillong - 793014

| <b>TREATED EFFLUENT QUALITY IN THE MONTH OF MAY 2010</b> |             |             |           |             |             |             |
|--|-------------|-------------|-----------|-------------|-------------|-------------|
|  | <b>DATE</b> | <b>TEMP</b> | <b>pH</b> | <b>SS</b>   | <b>COD</b>  | <b>BOD</b>  |
|  |             | <b>°C</b>   |           | <b>mg/L</b> | <b>mg/L</b> | <b>mg/L</b> |
|  |             |             |           |             |             |             |
|  | 01.05.10    | 28          | 7.0       | 100         | 328         | 30          |
|  | 02.05.10    | 27          | 7.6       | 98          | 320         | 27          |
|  | 03.05.10    | 28          | 7.9       | 98          | 336         | 24          |
|  | 04.05.10    | 29          | 7.6       | 98          | 328         | 27          |
|  | 05.05.10    | 28          | 7.7       | 96          | 312         | 24          |
|  | 06.05.10    | 30          | 7.6       | 98          | 320         | 27          |
|  | 07.05.10    | 29          | 7.7       | 100         | 328         | 30          |
|  | 08.05.10    | 29          | 7.6       | 96          | 320         | 30          |
|  | 09.05.10    | 28          | 7.8       | 100         | 336         | 30          |
|  | 10.05.10    | 28          | 7.6       | 98          | 320         | 27          |
|  | 11.05.10    | 28          | 7.7       | 98          | 336         | 27          |
|  | 12.05.10    | 28          | 7.6       | 96          | 328         | 24          |
|  | 13.05.10    | 29          | 7.6       | 100         | 320         | 27          |
|  | 14.05.10    | 28          | 8         | 96          | 312         | 24          |
|  | 15.05.10    | 29          | 7.4       | 98          | 320         | 27          |
|  | 16.05.10    | 30          | 7.7       | 100         | 328         | 24          |
|  | 17.05.10    | 30          | 7.8       | 98          | 336         | 30          |
|  | 18.05.10    | 29          | 7.5       | 100         | 328         | 24          |
|  | 19.05.10    | 30          | 7.6       | 98          | 320         | 24          |
|  | 20.05.10    | 29          | 7.8       | 96          | 320         | 24          |
|  | 21.05.10    | 29          | 7.6       | 96          | 312         | 30          |
|  | 22.05.10    | 29          | 7.7       | 100         | 328         | 27          |
|  | 23.05.10    | 30          | 7.8       | 98          | 320         | 27          |
|  | 24.05.10    | 29          | 7.7       | 98          | 336         | 30          |
|  | 25.05.10    | 29          | 7.6       | 100         | 328         | 27          |
|  | 26.05.10    | 29          | 7.6       | 98          | 320         | 24          |
|  | 27.05.10    | 28          | 7.5       | 96          | 336         | 27          |
|  | 28.05.10    | 28          | 7.6       | 98          | 320         | 27          |
|  | 29.05.10    | 29          | 7.7       | 96          | 320         | 24          |
|  | 30.05.10    | 30          | 7.8       | 98          | 328         | 27          |
|  | 31.05.10    | 30          | 7.7       | 98          | 320         | 24          |
|  |             |             |           |             |             |             |

**RIVER WATER QUALITY OF BARAK AND KUSHIYARA  
IN THE MONTH OF MAY 2010**

| <b>Date</b> | <b>LOCATIONS</b>                            | <b>pH</b> | <b>SS<br/>mg/l</b> | <b>COD,<br/>mg/l</b> | <b>BOD<br/>mg/l</b> | <b>DO<br/>mg/l</b> |
|-------------|---|-----------|--------------------|----------------------|---------------------|--------------------|
| 02.05.10    | 1 KM Upstream of effluent discharge point   | 7.2       | 482                | 17.6                 | 6.8                 | 1.9                |
|             | At Effluent discharge point                 | 7.3       | 406                | 16.0                 | 6.5                 | 2.0                |
|             | 1 KM Downstream of effluent discharge point | 7.1       | 418                | 12.8                 | 6.9                 | 2.1                |
|             | 15 KM Downstream at Bhanga                  | 7.0       | 362                | 14.4                 | 6.8                 | 1.9                |
| 16.05.10    | 1 KM Upstream of effluent discharge point   | 7.4       | 154                | 12.8                 | 6.9                 | 1.1                |
|             | At Effluent discharge point                 | 7.0       | 136                | 12.8                 | 6.9                 | 1.4                |
|             | 1 KM Downstream of effluent discharge point | 7.0       | 142                | 12.8                 | 6.7                 | 1.2                |
|             | 15 KM Downstream at Bhanga                  | 7.0       | 134                | 14.4                 | 6.7                 | 1.2                |
|             | 35 KM Downstream at Karimganj               | 7.0       | 148                | 14.4                 | 6.7                 | 1.2                |
| 23.05.10    | 1 KM Upstream of effluent discharge point   | 7.2       | 564                | 17.6                 | 5.6                 | 0.6                |
|             | At Effluent discharge point                 | 7.1       | 536                | 16                   | 5.6                 | 0.6                |
|             | 1 KM Downstream of effluent discharge point | 7.3       | 584                | 17.6                 | 5.5                 | 0.6                |
|             | 15 KM Downstream at Bhanga                  | 7.1       | 510                | 17.6                 | 5.5                 | 0.6                |
| 30.05.10    | 1 KM Upstream of effluent discharge point   | 7.1       | 210                | 17.6                 | 6.4                 | 0.9                |
|             | At Effluent discharge point                 | 7         | 430                | 19.2                 | 6.3                 | 0.9                |
|             | 1 KM Downstream of effluent discharge point | 7.1       | 418                | 16                   | 6.5                 | 0.9                |
|             | 15 KM Downstream at Bhanga                  | 7         | 450                | 16                   | 6.5                 | 0.9                |
|             | 35 KM Downstream at Karimganj               | 7         | 274                | 17.6                 | 6.4                 | 0.9                |

**GROUND WATER QUALITY IN THE MONTH OF MAY 2010**

|  | <b>Date</b> | <b>Location</b>                 | <b>pH</b> | <b>Mercury</b><br>mg/l |  |
|--|-------------|---------------------------------|-----------|------------------------|--|
|  | 04.05.10    | Adm Building                    | 7.7       | BDL                    |  |
|  | 04.05.10    | Bore well near Brine sludge pit | 7.9       | BDL                    |  |
|  | 18.05.10    | Rly Station                     | 7.3       | BDL                    |  |
|  | 25.05.10    | Bore well near Brine sludge pit | 8.1       | BDL                    |  |
|  |             |                                 |           |                        |  |
|  |             |                                 |           |                        |  |
|  |             |                                 |           |                        |  |



**AMBIENT AIR MONITORING DATA IN THE MONTH OF MAY 2010**

| <b>Source</b>                      | <b>Suspended Particulate Matter (<math>\mu\text{g}/\text{Nm}^3</math>)</b> | <b>SO<sub>2</sub> (<math>\mu\text{g}/\text{Nm}^3</math>)</b> | <b>NO<sub>x</sub> (<math>\mu\text{g}/\text{Nm}^3</math>)</b> | <b>RSPM (<math>\mu\text{g}/\text{Nm}^3</math>)</b> |
|------------------------------------|--|--|--|--|
| <b>Yard No 7 at Security Point</b> | <b>206.6</b>   | <b>13.5</b>  | <b>11.4</b>  | <b>Not applicable</b>                              |
| <b>At corner of Lagoon</b>         | <b>208.3</b>   | <b>12.0</b>  | <b>10.6</b>  | <b>Not applicable</b>                              |
| <b>Time Office</b>                 | <b>155.7</b>   | <b>9.3</b>   | <b>7.5</b>   | <b>109.0</b>                                       |
| <b>Township</b>                    | <b>94.4</b>  | <b>9.1</b>   | <b>8.4</b>   | <b>86.5</b>  |

