

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

Date: 14. 01.2011.

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

***BY SPEED POST***

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

Sir,

I have the honour to submit herewith the test result of key parameters of the following sources during the month of December 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.

- A. Treated effluent
- B. River water
- C. Ground water and Piezometric tube well
- D. Stack Emission and
- E. Ambient Air.

Thanking you.

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

Encl: Test Results (Three 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, Laitumkhrah  
Shillong - 793003
- iii) The Zonal Officer  
N.E. Zonal Office , Central Pollution Control Board  
Near Fire Brigade, Lower Motinagar  
Shillong - 793014

**A.TREATED EFFLUENT QUALITY IN THE MONTH OF DECEMBER 2010**

<b>Date</b>	<b>Temp °C</b>	<b>pH</b>	<b>SS Mg/L</b>	<b>COD Mg/L</b>	<b>BOD Mg/L</b>
01.12.2010	29	7.5	96	308	27
02.12.2010	28	7.7	98	320	30
03.12.2010	27	7.8	94	312	24
04.12.2010	29	7.8	96	328	27
05.12.2010	28	7.7	98	312	30
06.12.2010	25	7.4	96	320	24
07.12.2010	27	7.3	98	328	27
08.12.2010	27	7.3	100	280	24
09.12.2010	27	7.4	96	312	27
10.12.2010	27	7.4	98	320	27
11.12.2010	27	7.5	94	328	24
12.12.2010	25	7.3	96	-	24
13.12.2010	26	7.3	90	-	24
The Mill remained shut from 11 <sup>th</sup> Dec 2010 to 21 <sup>th</sup> Dec, 2010					
21.12.2010	25	7.4	90	312	21
22.12.2010	27	7.7	100	312	30
23.12.2010	25	7.6	96	320	27
24.12.2010	24	7.7	98	328	27
25.12.2010	25	7.5	100	320	24
26.12.2010	25	7.6	98	312	30
27.12.2010	25	7.9	98	320	27
28.12.2010	24	7.6	94	328	24
29.12.2010	27	7.7	96	312	27
30.12.2010	26	7.7	96	312	24
31.12.2010	26	7.8	94	320	27

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

<b>Date</b>	<b>LOCATIONS</b>	<b>pH</b>	<b>SS mg/l</b>	<b>COD mg/l</b>	<b>DO mg/l</b>	<b>BOD mg/l</b>
05.12.10	1 KM Upstream of effluent discharge point	8.0	124	3.2	8.1	0.7
	At Effluent discharge point	8.0	124	6.4	8.2	1.0
	1 KM Downstream of effluent discharge point	7.6	126	4.8	8.0	0.8
	15 KM Downstream at Bhanga	7.6	126	3.2	8.1	0.7
	35 Km Downstream at Karimganj	7.7	124	3.2	7.9	0.6
26.12.10	1 KM Upstream of effluent discharge point	8.3	148	16.0	8.5	3.0
	At Effluent discharge point	8.3	136	17.6	8.2	4.1
	1 KM Downstream of effluent discharge point	8.3	140	19.2	8.5	4.0
	15 KM Downstream at Bhanga	8.1	180	12.8	8.0	1.1
	35 Km Downstream at Karimganj	7.9	142	16.0	8.3	3.1

**C. GROUND WATER QUALITY DATA IN THE MONTH OF DECEMBER 2010**

<b>Date</b>	<b>Source</b>	<b>pH</b>	<b>Mercury mg/l</b>
07.12.10	Piezometric tube well near sludge pit	7.4	0.005
07.12.10	Ground water adjacent to Mill boundary	7.3	BDL
21.12.10	Piezometric tube well near sludge pit	7.6	0.005
21.12.10	Ground water adjacent to Mill boundary	7.2	BDL

**D. STACK EMISSION MONITORING DATA IN THE MONTH OF DECEMBER 2010**

<b>SOURCE</b>	<b>Particulate Matter (mg/Nm<sup>3</sup>)</b>	<b>CO<sub>2</sub> (mg/Nm<sup>3</sup>)</b>	<b>H<sub>2</sub>S (mg/Nm<sup>3</sup>)</b>	<b>CO (%)</b>	<b>Cl<sub>2</sub> (mg/Nm<sup>3</sup>)</b>	<b>HCl (mg/Nm<sup>3</sup>)</b>
C.F.Boiler – 1	148.6	6.3	-	Less than 1	-	-
C.F.Boiler – 2	<b>S H U T</b>					
C.F.Boiler - 3	141.4	6.1	-	Less than 1	-	-
S / R Boiler	140.2	5.8	8.1	-	-	-
Hypo Stack (C&C)	-	-	-	-	13.6	-
HCl Stack (C&C)	-	-	-	-	--	31.6

**E. AMBIENT AIR MONITORING DATA IN THE MONTH OF DECEMBER 2010**

<b>Source</b>	<b>Suspended Particulate Matter (µg/Nm<sup>3</sup>)</b>	<b>SO<sub>2</sub> (µg/Nm<sup>3</sup>)</b>	<b>NO<sub>x</sub> (µg/Nm<sup>3</sup>)</b>	<b>RSPM (µg/Nm<sup>3</sup>)</b>
Yard No 7 at Security Point	232.1	18.5	14.0	Not applicable
At corner of Lagoon	203.4	19.0	15.1	Not applicable
Time Office	168.0	14.1	12.0	86.1
Township	124.4	13.0	10.3	56.7