

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

Date: 11.02.2012

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

**SUB: TEST RESULT FOR THE MONTH OF JANUARY 2012**

Sir,

I have the honour to submit herewith the test result of key parameters of the following sources during the month of January 2012 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 Scientist D  
GOI, MoEF, North Eastern Regional Office  
Law U –Sib, Lumbatngen, Near M T C Workshop  
Shillong – 793021
- iii) The Additional Director  
N.E. Zonal Office , Central Pollution Control Board  
Near Fire Brigade, Lower Motinagar  
Shillong - 793014

## A. TREATED EFFLUENT QUALITY FOR JANUARY 2012

Date	Temp °C	pH	SS Mg/L	COD Mg/L	BOD Mg/L
01.01.12	27	7.6	90	320	24
02.01.12	26	7.5	88	328	30
03.01.12	25	7.6	84	320	24
04.01.12	26	7.8	90	328	24
05.01.12	26	7.8	94	336	27
06.01.12	27	7.9	96	344	30
07.01.12	27	7.8	92	336	27
08.01.12	26	7.8	94	328	24
09.01.12	26	7.8	90	336	30
10.01.12	26	7.8	84	328	27
11.01.12	26	7.9	90	336	30
12.01.12	26	7.6	98	328	27
13.01.12	26	7.7	94	336	30
14.01.12	25	7.7	96	336	27
15.01.12	25	7.7	94	344	30
16.01.12	25	7.7	90	336	27
17.01.12	26	7.8	94	328	24
18.01.12	24	7.8	96	336	27
19.01.12	25	7.7	94	344	27
20.01.12	25	7.7	92	336	30
21.01.12	25	7.7	90	328	27
22.01.12	24	7.9	94	344	30
23.01.12	24	7.8	90	336	30
24.01.12	25	7.8	82	336	30
25.01.12	25	7.9	88	328	24
26.01.12	25	7.9	96	336	30
27.01.12	25	7.9	98	344	30
28.01.12	25	7.9	92	336	27
29.01.12	25	7.8	94	336	27
30.01.12	26	7.8	86	328	27
31.01.12	26	7.7	98	328	30

**B. RIVER WATER QUALITY OF BARAK AND KUSHIYARA IN THE MONTH OF JANUARY 2012**

Date	LOCATIONS	pH	SS mg/l	COD mg/l	DO mg/l	BOD mg/l
01.01.12	1 KM Upstream of effluent discharge point	7.7	102	11.2	7.1	1.7
	At Effluent discharge point	7.8	112	12.8	7.0	2.2
	1 KM Downstream of effluent discharge point	7.8	120	14.4	7.0	2.0
	15 KM Downstream at Bhanga	7.4	132	12.8	7.1	1.8
29.01.12	1 KM Upstream of effluent discharge point	7.8	124	12.8	8.1	1.5
	At Effluent discharge point	7.8	146	16.0	8.0	2.0
	1 KM Downstream of effluent discharge point	8.0	138	16.0	7.8	1.8
	15 KM Downstream at Bhanga	8.1	130	17.6	7.9	1.6
	35 Km Downstream at Karimganj	8.1	140	16.0	8.1	1.7

**C. GROUND WATER QUALITY DATA IN THE MONTH OF JANUARY 2012**

Date	Source	pH	Mercury mg/l	Source	pH	Mercury mg/l
10.01.12	Well water surrounding the Mill	7.4	BDL	Piezometric tube well/ Borewell near sludge pit	6.7	BDL
17.01.12	Well water surrounding the Mill	7.5	BDL	Piezometric tube well/ Borewell near sludge pit	7.3	BDL
24.01.12	Well water surrounding the Mill	7.4	BDL	Piezometric tube well/ Borewell near sludge pit	7.9	BDL

**D. STACK EMISSION MONITORING DATA IN THE MONTH OF JANUARY 2012**

<b>SOURCE</b>	<b>Particulate Matter (mg/Nm<sup>3</sup>)</b>	<b>H<sub>2</sub>S (mg/Nm<sup>3</sup>)</b>	<b>Cl<sub>2</sub> (mg/Nm<sup>3</sup>)</b>	<b>HCl (mg/Nm<sup>3</sup>)</b>
C.F.Boiler – 1	115.6	-	-	-
C.F.Boiler – 2	140.3	-	-	-
C.F.Boiler - 3	131.5	-	-	-
S / R Boiler	72.3	3.7	-	-
Hypo Stack (C&C)	-	-	4.6	-
HCl Stack (C&C)	-	-	-	13.8

**E. AMBIENT AIR MONITORING DATA IN THE MONTH OF JANUARY 2012**

<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	262.0	11.3	14.8	-
At corner of Lagoon	228.9	3.3	12.2	
Time Office	266.0	3.2	20.6	72.6
Township	163.2	BDL	3.2	29.1