

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

Date: 14.03.2011

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 FEBRUARY 2011

Sir,

I have the honour to submit herewith the test result of key parameters of the following sources during the month of February 2011 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 (Four 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

A.TREATED EFFLUENT QUALITY IN THE MONTH OF FEBRUARY 2011

Date	Temp °C	pH	SS Mg/L	COD Mg/L	BOD Mg/L
01.02.11	24	7.4	96	328	24
02.02.11	24	7.2	98	312	24
03.02.11	25	7.6	94	320	27
04.02.11	26	7.7	96	328	24
05.02.11	25	7.5	98	304	21
06.02.11	26	7.6	92	328	27
07.02.11	27	7.6	94	312	27
08.02.11	26	7.6	96	320	24
09.02.11	26	7.8	98	312	27
10.02.11	27	7.4	98	320	27
11.02.11	27	7.5	94	328	24
12.02.11	26	7.6	94	320	27
13.02.11	27	7.7	92	328	30
14.02.11	27	7.7	96	320	27
15.02.11	26	7.6	98	328	27
16.02.11	27	7.4	96	312	24
17.02.11	25	7.8	100	328	27
18.02.11	26	7.7	94	320	24
19.02.11	26	7.6	96	312	21
20.02.11	25	7.6	98	328	27
21.02.11	26	7.4	92	304	24
22.02.11	26	7.3	96	320	21
23.02.11	27	7.6	100	328	27
24.02.11	27	7.7	96	312	24
25.02.11	27	7.7	98	320	24
26.02.11	28	7.7	96	312	30
27.02.11	26	7.7	94	320	30
28.02.11	26	7.8	96	312	24

B. RIVER WATER QUALITY OF BARAK AND KUSHIYARA IN THE MONTH OF FEBRUARY 2011

Date	LOCATIONS	pH	SS mg/l	COD mg/l	DO mg/l	BOD mg/l
06.02.11	1 KM Upstream of effluent discharge point	8.0	142	9.6	7.9	2.2
	At Effluent discharge point	8.4	148	11.2	8.1	1.5
	1 KM Downstream of effluent discharge point	8.2	136	8.0	7.8	1.7
	15 KM Downstream at Bhanga	8.0	140	9.6	7.7	1.4
13.02.11	1 KM Upstream of effluent discharge point	7.6	116	17.6	8.1	1.1
	At Effluent discharge point	7.8	120	20.8	7.9	1.3
	1 KM Downstream of effluent discharge point	7.7	136	17.6	7.9	1.2
	15 KM Downstream at Bhanga	7.7	124	14.4	7.7	1.1
27.02.11	1 KM Upstream of effluent discharge point	8.4	154	17.6	8.8	1.2
	At Effluent discharge point	8.4	146	17.6	8.7	1.2
	1 KM Downstream of effluent discharge point	8.2	158	17.6	7.8	1.1
	15 KM Downstream at Bhanga	8.2	160	16.0	7.8	1.2
	35 Km Downstream at Karimganj	8.1	136	14.4	7.6	1.1

C. GROUND WATER QUALITY DATA IN THE MONTH OF FEBRUARY 2011

Date	Source	pH	Mercury mg/l
01.02.11	Piezometric tube well near sludge pit	7.5	BDL
01.02.11	Ground water adjacent to Mill boundary	6.9	BDL
08.02.11	Piezometric tube well near sludge pit	8.0	BDL
08.02.11	Ground water adjacent to Mill boundary	7.9	BDL
15.02.11	Piezometric tube well near sludge pit	7.1	BDL
15.02.11	Ground water adjacent to Mill boundary	6.0	BDL

D. STACK EMISSION MONITORING DATA IN THE MONTH OF FEBRUARY 2011

SOURCE	Particulate Matter (mg/Nm³)	CO₂ (mg/Nm³)	H₂S (mg/Nm³)	CO (%)	Cl₂ (mg/Nm³)	HCl (mg/Nm³)
C.F.Boiler – 1	134.8	6.1	-	Less than1	-	-
C.F.Boiler – 2	134.1	5.7	-	Less than1	-	-
C.F.Boiler - 3	128.1	6.1	-	Less than 1	-	-
S / R Boiler	118.2	5.4	8.2	-	-	-
Hypo Stack (C&C)	-	-	-	-	11.6	-
HCl Stack (C&C)	-	-	-	-	-	31.4

E. AMBIENT AIR MONITORING DATA IN THE MONTH OF FEBRUARY 2011

Source	Suspended Particulate Matter ($\mu\text{g}/\text{Nm}^3$)	SO₂ ($\mu\text{g}/\text{Nm}^3$)	NO_x ($\mu\text{g}/\text{Nm}^3$)	RSPM ($\mu\text{g}/\text{Nm}^3$)
Yard No 7 at Security Point	191.2	13.8	10.5	Not applicable
At corner of Lagoon	171.2	16.0	11.2	Not applicable
Time Office	180.7	12.9	9.6	100.8
Township	107.0	7.9	8.2	64.9