

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

Date: 15.02.2011

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 JANUARY 2011

Sir,

I have the honour to submit herewith the test result of key parameters of the following sources during the month of January 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
- F. River water
- G. Ground water and Piezometric tube well
- H. Stack Emission and
- I. 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, 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 JANUARY 2011

Date	Temp °C	pH	SS Mg/L	COD Mg/L	BOD Mg/L
01.01.11	27	7.7	96	328	27
02.01.11	27	7.7	92	312	30
03.01.11	27	7.7	94	304	24
04.01.11	27	7.6	92	304	24
05.01.11	25	7.6	98	312	24
06.01.11	26	7.8	96	320	27
07.01.11	26	7.6	100	312	24
08.01.11	26	7.5	98	320	27
09.01.11	27	7.8	96	328	27
10.01.11	27	7.8	98	320	24
11.01.11	24	7.8	96	312	24
12.01.11	25	7.6	98	312	27
13.01.11	22	7.5	96	320	30
14.01.11	24	7.4	94	328	27
15.01.11	24	7.5	96	320	24
16.01.11	23	7.6	98	328	30
17.01.11	24	7.6	96	312	27
18.01.11	20	7.8	98	320	24
19.01.11	20	7.6	98	312	27
20.01.11	21	7.7	94	328	30
21.01.11	20	7.7	88	312	24
22.01.11	22	7.9	94	320	27
23.01.11	24	7.8	98	328	27
24.01.11	23	7.6	96	320	24
25.01.11	23	7.3	94	328	27
26.01.11	23	7.6	98	320	24
27.01.11	23	7.6	96	328	27
28.01.11	24	7.6	94	312	21
29.01.11	25	7.6	98	320	24
30.01.11	24	7.5	92	312	30
31.01.11	25	7.7	94	320	27

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

Date	LOCATIONS	pH	SS mg/l	COD mg/l	DO mg/l	BOD mg/l
02.01.11	1 KM Upstream of effluent discharge point	7.6	140	17.6	8.2	3.2
	At Effluent discharge point	8.2	18	14.4	8.2	4.2
	1 KM Downstream of effluent discharge point	7.8	132	16.0	8.3	4.2
	15 KM Downstream at Bhanga	7.8	154	17.6	8.2	4.0
09.01.11	1 KM Upstream of effluent discharge point	7.6	136	16.0	8.0	2.2
	At Effluent discharge point	7.5	142	17.6	8.0	2.4
	1 KM Downstream of effluent discharge point	7.6	140	17.6	7.9	2.6
	15 KM Downstream at Bhanga	7.5	146	16.0	8.0	2.2
	35 Km Downstream at Karimganj	7.7	154	14.4	7.8	1.6
23.01.11	1 KM Upstream of effluent discharge point	7.2	148	17.6	7.6	1.1
	At Effluent discharge point	7.2	136	16.0	7.8	1.0
	1 KM Downstream of effluent discharge point	7.3	144	16.0	7.8	0.9
	15 KM Downstream at Bhanga	7.3	152	14.4	7.9	1.1
	35 Km Downstream at Karimganj	7.4	142	17.6	7.9	1.0
30.01.11	1 KM Upstream of effluent discharge point	8.1	124	17.6	8.3	1.1
	At Effluent discharge point	8.3	118	16.0	8.2	1.2
	1 KM Downstream of effluent discharge point	8.1	126	16.0	8.2	1.2
	15 KM Downstream at Bhanga	8.0	120	14.4	8.3	1.1

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

Date	Source	pH	Mercury mg/l
04.01.11	Piezometric tube well near sludge pit	7.7	BDL
04.01.11	Ground water adjacent to Mill boundary	7.7	BDL
11.01.11	Piezometric tube well near sludge pit	7.8	0.0025
11.01.11	Ground water adjacent to Mill boundary	7.8	BDL
18.01.11	Piezometric tube well near sludge pit	8.1	BDL
18.01.11	Ground water adjacent to Mill boundary	7.6	BDL
25.01.11	Piezometric tube well near sludge pit	6.3	BDL
25.01.11	Ground water adjacent to Mill boundary	6.3	BDL

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

SOURCE	Particulate Matter (mg/Nm³)	CO₂ (mg/Nm³)	H₂S (mg/Nm³)	CO (%)	Cl₂ (mg/Nm³)	HCl (mg/Nm³)
C.F.Boiler – 1	128.2	6.4	-	Less than 1	-	-
C.F.Boiler – 2	136.1	6.7	-	Less than 1	-	-
C.F.Boiler - 3	120.5	6.3	-	Less than 1	-	-
S / R Boiler	114.2	5.8	8.8	-	-	-
Hypo Stack (C&C)	-	-	-	-	12.8	-
HCl Stack (C&C)	-	-	-	-	-	29.6

E. AMBIENT AIR MONITORING DATA IN THE MONTH OF JANUARY 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	210.48	16.8	10.8	Not applicable
At corner of Lagoon	185.2	16.7	14.8	Not applicable
Time Office	159.3	15.4	13.6	88.5
Township	100.65	11.2	9.4	59.5