

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

DTD.13-12-2010

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 NOVEMBER 2010

Sir,

I have the honour to submit herewith the test result of key parameters of the following sources during the month of November 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, 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 FOR NOVEMBER 2010

Date	Temp °C	pH	SS Mg/L	COD Mg/L	BOD Mg/L
01.11.2010	29	7.7	90	320	24
02.11.2010	30	7.6	98	312	27
03.11.2010	29	7.5	96	328	24
04.11.2010	30	7.6	96	296	24
05.11.2010	31	7.8	94	320	27
06.11.2010	30	7.6	92	328	24
07.11.2010	29	7.7	96	320	27
08.11.2010	30	7.8	94	328	24
09.11.2010	29	7.6	98	312	21
10.11.2010	29	7.5	88	320	24
11.11.2010	29	7.4	90	312	21
12.11.2010	30	7.6	92	320	21
13.11.2010	29	7.6	88	N/T	N/T
14.11.2010	30	7.6	84	312	N/T
15.11.2010	30	7.4	90	N/T	N/T

The Mill remained shut from 09.11.2010 to 29.11.2010.

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

Date	LOCATIONS	pH	SS mg/l	COD mg/l	DO mg/l	BOD mg/l
07.11.2010	1 KM Upstream of effluent discharge point	8.0	152	9.6	6.4	1.1
	At Effluent discharge point	7.9	222	14.4	5.8	1.5
	1 KM Downstream of effluent discharge point	7.5	148	8.0	6.3	1.3
	15 KM Downstream at Bhanga	7.7	164	9.6	6.0	1.1
	35 Km Downstream at Karimganj	7.5	116	11.2	6.0	1.2
14.11.2010	1 KM Upstream of effluent discharge point	7.6	176	12.8	7.7	1.1
	At Effluent discharge point	8.1	180	14.4	7.9	1.4
	1 KM Downstream of effluent discharge point	7.9	148	12.8	7.8	1.1
	15 KM Downstream at Bhanga	8.1	180	12.8	8.0	1.1
21.11.2010	1 KM Upstream of effluent discharge point	8.0	150	N.T	8.3	1.1
	At Effluent discharge point	7.8	132	N.T	8.2	1.3
	1 KM Downstream of effluent discharge point	7.5	184	N.T	8.2	1.2
	15 KM Downstream at Bhanga	7.8	210	N.T	8.0	1.1
	35 Km Downstream at Karimganj	7.6	174	N.T	8.1	1.0

C. GROUND WATER QUALITY IN THE MONTH OF NOVEMBER 2010

Date	Source	pH	Mercury mg/l
06.11.2010	Piezometric tube well near sludge pit	7.4	BDL
06.11.2010	Ground water adjacent to Mill boundary	7.6	BDL
09.11.2010	Piezometric tube well near sludge pit	8.0	0.0025
09.11.2010	Ground water adjacent to Mill boundary	7.9	BDL
13.11.2010	Piezometric tube well near sludge pit	7.8	BDL
13.11.2010	Ground water adjacent to Mill boundary	7.1	BDL
30.11.2010	Piezometric tube well near sludge pit	7.9	0.0005
30.11.2010	Ground water adjacent to Mill boundary	7.6	BDL

D. STACK EMISSION MONITORING DATA IN THE MONTH OF NOVEMBER 2010

SOURCE	Particulate Matter (mg/Nm³)	CO₂ (mg/Nm³)	H₂S (mg/Nm³)	CO (%)	Cl₂ (mg/Nm³)	HCl (mg/Nm³)
C.F.Boiler – 1	147.2	6.1	-	Less than 1		
C.F.Boiler – 2	144.8	6.3		Less than 1		
C.F.Boiler - 3	140.4	6.2		Less than 1		
Soda Recovery Boiler	S H U T					
Hypo Stack (C&C)					10.1	26.8
HCl Stack (C&C)						

E. AMBIENT AIR MONITORING DATA IN THE MONTH OF NOVEMBER 2010

Source	Suspended Particulate Matter (µg/Nm³)	SO₂ (µg/Nm³)	NO_x (µg/Nm³)	RSPM (µg/Nm³)
Yard No 7 at Security Point	234.4	16.8	14.6	Not applicable
At corner of Lagoon	195.7	18.7	13.5	Not applicable
Time Office	178.5	13.1	11.4	86.9
Township	91.3	10.4	9.0	47.5