

A.TREATED EFFLUENT QUALITY IN THE MONTH OF OCTOBER 2010

Date	Temp °C	pH	SS Mg/L	COD Mg/L	BOD Mg/L
01.10.2010	30	7.7	98	312	24
02.10.2010	31	7.5	96	320	27
03.10.2010	30	7.7	98	328	24
04.10.2010	30	7.6	94	312	27
05.10.2010	31	7.5	96	328	24
06.10.2010	30	7.8	94	312	21
07.10.2010	29	7.6	98	320	24
08.10.2010	28	7.5	96	312	21
09.10.2010	28	7.6	94	328	24
10.10.2010	31	7.7	96	320	24
11.10.2010	31	7.6	90	Not tested	30
12.10.2010	30	7.5	94	328	27
13.10.2010	31	7.5	96	320	24
14.10.2010	31	7.3	98	320	27
15.10.2010	31	7.3	96	328	27
16.10.2010	31	7.6	96	320	30
17.10.2010	30	7.6	94	312	27
18.10.2010	32	7.8	96	320	24
19.10.2010	32	7.6	98	328	24
20.10.2010	31	7.4	100	312	27
21.10.2010	31	7.7	96	304	30
22.10.2010	28	7.6	98	336	24
23.10.2010	31	7.5	100	336	30
24.10.2010	30	7.4	94	296	27
25.10.2010	30	7.6	94	312	27
26.10.2010	28	7.4	96	320	30
27.10.2010	30	7.4	98	312	27
28.10.2010	30	7.5	98	320	27
29.10.2010	30	7.4	100	328	30
30.10.2010	29	7.5	96	304	27
31.10.2010	29	7.5	98	328	27

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

Date	LOCATIONS	pH	SS mg/l	COD mg/l	DO mg/l	BOD mg/l
10.10.2010	1 KM Upstream of effluent discharge point	7.0	760	22.4	6.3	0.4
	At Effluent discharge point	7.3	840	20.8	6.0	1.1
	1 KM Downstream of effluent discharge point	7.0	760	17.6	6.2	0.9
	15 KM Downstream at Bhanga	7.0	900	19.2	6.2	0.9
	35 Km Downstream at Karimganj	7.1	860	20.8	6.3	0.9
24.10.2010	1 KM Upstream of effluent discharge point	7.2	764	16.0	6.4	1.2
	At Effluent discharge point	6.8	640	17.6	6.3	1.0
	1 KM Downstream of effluent discharge point	7.1	720	19.2	6.3	1.0
	15 KM Downstream at Bhanga	6.9	680	19.2	6.5	1.0
	35 Km Downstream at Karimganj	7.2	824	16.0	6.5	1.0
31.10.2010	1 KM Upstream of effluent discharge point	7.8	214	14.4	7.4	1.0
	At Effluent discharge point	7.7	204	24.0	7.2	1.9
	1 KM Downstream of effluent discharge point	7.8	188	16.0	7.5	1.5
	15 KM Downstream at Bhanga	7.7	196	16.0	7.3	1.0
	35 Km Downstream at Karimganj	7.4	188	14.4	7.2	1.3

C. GROUND WATER QUALITY IN THE MONTH OF OCTOBER 2010

Date	Source	pH	Mercury mg/l
05.10.2010	Bore well near sludge pit	7.8	BDL
05.10.2010	Piezometric tube well	7.7	BDL

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

SOURCE	Particulate Matter (mg/Nm³)	CO₂ (mg/Nm³)	H₂S (mg/Nm³)	CO (%)	Cl₂ (mg/Nm³)	HCl (mg/Nm³)
C.F.Boiler – 1	146.6	6.8	-	Less than 1	-	-
C.F.Boiler – 2	142.2	5.9	-	Less than 1	-	-
C.F.Boiler - 3	136.8	6.4	-	Less than 1	-	-
Soda Recovery Boiler	128.0	6.1	9.4	Less than 1	-	-
Hypo Stack (C&C)	-	-	-	-	11.2	-
HCl Stack (C&C)	-	-	-	-	-	26.8

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

Source	Suspended Particulate Matter (µg/Nm³)	SO₂ (µg/Nm³)	NO_x (µg/Nm³)	RSPM (µg/Nm³)
Yard No 7 at Security Point	184.2	18.2	13.9	Not applicable
At corner of Lagoon	181.0	16.8	12.2	Not applicable
Time Office	165.0	19.8	11.6	82.8
Township	82.9	11.6	9.6	46.2