



PULP AND PAPER RESEARCH INSTITUTE

(Regd. under Societies Registration Act, 1860)

JAYKAYPUR - 765 017, DIST. RAYAGADA, ORISSA (INDIA)

ANALYSIS REPORT

Material : River water samples	Our Ref.: 08.191 / 367
Recd. on : 27-11-2014	Date: 25-12-2014
From : JK Paper Mills, Jaykaypur	Page No.: 2 of 4
Your Ref. : JKPW/CTS/08.15/83/2014, dt. 26-11-2014	

**TABLE - 2: ANALYSIS REPORT OF
UPSTREAM OF RIVER NAGAVALI WATER (SAMPLE-3)
DOWNSTREAM OF RIVER NAGAVALI WATER (SAMPLE-4)**

Sl. No.	Parameters	Unit	Sample-3	Sample-4
1.	pH	-	8.02	8.07
2.	Colour	PtCoU	8.5	12.3
3.	Temperature	°C	21	23
4.	Oil and grease	mg/l	0.01	0.03
5.	Dissolved oxygen	mg/l	8.98	8.54
6.	Total suspended solid	mg/l	45	19
7.	Turbidity	NTU	6.4	15.0
8.	Electrical conductivity	µmho/cm	307.7	240.1
9.	Total dissolved solid	mg/l	151	158
10.	Chloride (as Cl)	mg/l	14.23	18.05
11.	COD	mg/l	19.2	25.8
12.	BOD ₃ ²⁷	mg/l	1.26	1.9
13.	Sulphate (as SO ₄)	mg/l	0.89	3.44
14.	Fluoride (as F)	mg/l	0.037	0.12
15.	Copper (as Cu)	mg/l	ND	ND
16.	Lead (as Pb)	mg/l	ND	ND
17.	Total chromium (as Cr)	mg/l	ND	ND
18.	Zinc (as Zn)	mg/l	0.242	0.25
19.	Nickel (as Ni)	mg/l	Nil	Nil
20.	Iron (as Fe)	mg/l	0.13	0.24
21.	Calcium (as Ca)	mg/l	26.2	27.56
22.	Magnesium (as Mg)	mg/l	6.1	8.85
23.	Sodium (as Na)	mg/l	25.55	28.09
24.	Potassium (as K)	mg/l	0.47	0.55
25.	Nitrite nitrogen	mg/l	0.014	0.033
26.	Nitrate nitrogen	mg/l	0.055	0.061
27.	Total hardness (as CaCO ₃)	mg/l	59	98
28.	Total alkalinity (as CaCO ₃)	mg/l	60	104

Date of collection : River water samples on 04.12.2014

Time : 10.30 hrs.

Remarks:

For Pulp and Paper Research Institute


Director