



PULP AND PAPER RESEARCH INSTITUTE

(Regd. under Societies Registration Act, 1860)

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

ANALYSIS REPORT

Material : Ground water samples	Our Ref.: 08.191 / 367
Recd. on : 27-11-2014	Date: 25-12-2014
From : JK Paper Mills, Jaykaypur	Page No.: 3 of 4
Your Ref. : JKPW/CTS/08.15/83/2014, dt. 26-11-2014	

TABLE - 3: ANALYSIS REPORT OF
GROUND WATER FROM LIME DISPOSAL SITE (NEAR KURUMPETA) (SAMPLE-5)
GROUND WATER FROM LIME DISPOSAL SITE (NEAR GETTIPADA) (SAMPLE-6)
GROUND WATER FROM LIME DISPOSAL SITE (NEAR KALAHANDIPADA) (SAMPLE-7)

Sl. No.	Parameters	Unit	Sample-5	Sample-6	Sample-7
1.	pH	-	6.5	6.18	6.2
2.	Colour	PtCoU	1.2	1.7	1.0
3.	Temperature	°C	29	29	29
4.	Oil and grease	mg/l	0.16	0.13	0.16
5.	Dissolved oxygen	mg/l	5.81	5.52	7.06
6.	Total suspended solid	mg/l	21	13	21
7.	Turbidity	NTU	0.3	4.8	0.3
8.	Electrical conductivity	µmho/cm	360.5	248.6	310.2
9.	Total dissolved solid	mg/l	145	177	283
10.	Chloride (as Cl)	mg/l	11.4	19.5	26.5
11.	COD	mg/l	2.66	7.8	3.0
12.	BOD ₃ ²⁷	mg/l	0.25	0.28	0.2
13.	Sulphate (as SO ₄)	mg/l	2.3	5.56	19.8
14.	Fluoride (as F)	mg/l	0.09	0.089	1.33
15.	Copper (as Cu)	mg/l	0.0004	0.056	0.16
16.	Lead (as Pb)	mg/l	ND	ND	ND
17.	Total chromium (as Cr)	mg/l	ND	ND	ND
18.	Zinc (as Zn)	mg/l	0.23	0.33	0.71
19.	Nickel (as Ni)	mg/l	0.8	0.42	0.97
20.	Iron (as Fe)	mg/l	0.23	0.55	0.7
21.	Calcium (as Ca)	mg/l	23.62	22.8	48.5
22.	Magnesium (as Mg)	mg/l	13.0	9.4	24.23
23.	Sodium (as Na)	mg/l	24.6	24.69	29.8
24.	Potassium (as K)	mg/l	0.53	0.36	0.37
25.	Nitrite nitrogen	mg/l	0.004	0.03	0.02
26.	Nitrate nitrogen	mg/l	0.053	0.068	0.71
27.	Total hardness (as CaCO ₃)	mg/l	108	84	200
28.	Total alkalinity (as CaCO ₃)	mg/l	96	98	134

Date of collection : Ground water samples on 04.12.2014

Time : 11.00 hrs.

Remarks:

For Pulp and Paper Research Institute

Director