



# THE WEST COAST PAPER MILLS LTD.,

Regd. Office & Works : P.B. No.5, Bangur Nagar, DANDELI-581 325. Dist. Uttar Kannada (Karnataka) India  
Grams : " KAGAJMILL " Phone Nos. : (08284) 231391 - 395 (5 Lines)  
Fax Nos : 08284 - 231 225 (Admn. Off.) 232150 (Sales A/c.s) 230443 (Works Off.) 232148 (Paper Godown)

ISO 9001-14001

ORISAS-18031



**ZZG/CLAB-KSPCB/04/  
07-09-2013**

✓ Environmental Officer,  
Regional Office,  
Karnataka State Pollution Control Board  
" Parisara Bhavan " , LIG - II, B - 217  
B-1, Main Road, A-16<sup>th</sup> Cross  
Near Hari Om Trust, Habbuwada  
**KARWAR - 581 303**

**Courier Service**

Gentleman:

**Sub :** Air Pollution Control Report

We are sending herewith the following for the month of August **2013**

1. Analysis report of stack emission showing the performance of the Air pollution control equipments / Instruments.
2. The Ambient Air Quality Monitoring report & meteorological report
3. Month wise Fly ash & Bottom ash generation quantity & disposal quantity to different parties in MT.

Hope you will find this in order.

Thanking You,

Very Truly yours,  
THE WEST COAST PAPER MILLS LTD

  
**KL CHANDAK**  
**EXECUTIVE DIRECTOR**

Encl : As above

# THE WEST COAST PAPER MILLS LIMITED

CENTRAL LABORATORY ( IPC )

Report analysis of stack emission showing performance of air pollution control for the month of  
Aug-2013

Tested by Central Laboratory ( IPC )

Stack No.	Stack attached to.	Rate of Emission Nm <sup>3</sup> /hr		Constituents to be controlled in emission.	Tolerance Limit mg/Nm <sup>3</sup>	
		Tolerance	Achieved		Tolerance	Achieved
1	Chemical Recovery Boiler-I	1,25,000	107,983	Particulates	150	78
2	Chemical Recovery Boiler -II	2,25,720	189,721	H <sub>2</sub> S	10	1.20
				Particulates	150	86
3	Rotary Lime Kiln-I	20,000	18,649	H <sub>2</sub> S	10	1.16
				Particulates	150	88
4	Rotary Lime Kiln -II	39,600	36,721	Particulates	150	84
5	Smelt Dissolving vent - I	6,500	15,450	Particulates	150	70
6	Smelt Dissolving vent -II	-	16,541	Particulates	150	68
7	FBC Boiler - I	92,000	Shut	Particulates	150	Shut
				SO <sub>2</sub>	-	Shut
8	FBC Boiler - II	1,23,912	Shut	Particulates	150	Shut
				SO <sub>2</sub>	-	Shut
9	FBC Boiler - III	-	147,167	Particulates	50	46
				SO <sub>2</sub>	-	748
10	FBC Boiler - IV	1,44,108	124,375	Particulates	150	55
				SO <sub>2</sub>	-	768
11	3.8 MW DG set	-	-	SO <sub>2</sub>	-	NR*
12	4.0 MW DG set	-	-	SO <sub>2</sub>	-	NR*
13	4.04 MW DG set	-	-	SO <sub>2</sub>	-	NR*

NR\* - Nominal Running

Signature: 

Date : 7/9/2013

Name : K L CHANDAK

Name : Executive Director.

The West Coast Paper Mills Ltd.,

Address : Bangur Nagar DANDELI ( U.K. ) 581-325

**THE WEST COAST PAPER MILLS LIMITED, DANDELI**  
**Central Laboratory ( IPC )**

Report of the analysis of Ambient Air Quality & Meteorological data for the month of  
**Aug-2013**

SL.No.	Characteristic	NAAQ STD	Unit	Fire station	P.M/c Old Clarifier	P.Mill Old Clarifier	Kerwad Village
i] Ambient Air Quality							
	i] Suspended Particulate Matter PM 2.5	60	µg/m <sup>3</sup>	33.0	36.0	26.0	29.0
	ii] Suspended Particulate Matter PM 10	100	µg/m <sup>3</sup>	74.0	82.0	54.0	62.0
	iv] Sulphur Dioxide [ SO <sub>2</sub> ]	80	µg/m <sup>3</sup>	13.2	11.0	10.0	26.0
	v] Oxidies of Nitrogen[NOx]	80	µg/m <sup>3</sup>	24.0	28.0	34.0	38.0
	vi] Hydrogen Sulphide [H <sub>2</sub> S]	-	µg/m <sup>3</sup>	Negl	Negl	Negl	Negl
				1 <sup>st</sup> Week	2 <sup>nd</sup> Week	3 <sup>rd</sup> Week	4 <sup>th</sup> Week
ii] Meteorological Data							
	i] Wind Velocity	-	KM/hr	3.12	2.34	2.33	3.20
	ii] Wind Direction	-		SSW	S	NW	SEE
	iii] Temperature		°C				
	Maximum	-		27.5	28.0	27.0	29.5
	Minimum	-		20.7	21.4	21.4	20.1
	iv] Relative Humidity,		%				
	Maximum						
	Morning	-		100	95	95	96
	Evening	-		92	84	92	91
	Minimum						
	Morning	-		91	90	83	90
	Evening	-		77	77	79	77
	Total Rainfall	-	cms	8.650	2.295	6.464	1.931

  
**Signature :**

**Date : 7/9/2013**

**Name : K.L CHANDAK**  
 Executive Director.

**Address : The West Coast Paper Mills Ltd.,**  
 Bangur Nagar DANDELI ( U.K. ) 581-325

**The West Coast Paper Mills Ltd Dandeli  
Central laboratory ( IPC )**

Details of Fly ash & Bottom ash generation & Disposal practice for the month of August 2013 & for the year 2013-2014.

S.No	Particulars	2013 - 2014			
		Quantity of Bottom ash (Eco ash), MT		Quantity of Fly ash, MT	
		For the Month	For the Year	For the Month	For the Year
1.0	<b>Total Quantity of Fly ash &amp; Eco Ash Generated</b>	1,802	8,990	4,908	27,277
2.0	<b>Disposal Details</b>				
2.1.0	<b>Cement Industries</b>				
2.1.1	Katwa Cement , Yadwad	Nil	Nil	28	657
2.1.2	Kanoni Cement , Bagalkot	349	606	275	1,783
2.1.3	Channageri Cement Mudhol	12	12	394	394
2.1.4	Balaji Traders	18	18	1093	1,093
2.1.5	Guru Enterprise	Nil	Nil	Nil	438
2.1.6	<b>Sub Total SI.No 2.1.0 ( SI. No 2.1.1 to 2.1.5 )</b>	379	635	1,790	4,365
2.2.0	<b>Brick / Block Manufacturing Industries</b>				
2.2.1	Hubli	998	1,134	784	2,840
2.2.2	Kali Narmith Kendra , Dandeli / Nearby area	147	2,928	1449	9,242
2.2.3	Halmaddi , Dandeli	Nil	Nil	Nil	Nil
2.2.4	Others	251	824	872	7,247
2.2.5	<b>Sub Total SI.No 2.2.0 ( SI. No 2.2.1 to 2.2.4 )</b>	1,396	4,886	3,105	19,329
2.3.0	<b>Disposal into pits</b>				
2.3.1	Gopal dairy	Nil	Nil	Nil	Nil
2.3.2	Agri/Uni./Rampur	27	3,469	13	3,582
2.3.3	<b>Sub Total SI.No 2.3.0 ( SI. No 2.3.1 To 2.3.2 )</b>	27	3,469	13	3,582
3.0	<b>Grand Total Of Disposed quantity SI.No ( SI. No 2.1.4+2.2.5+2.3.3 )</b>	1,802	8,990	4,908	27,277

Signature :

Date :

7/9/2013

Name :

**K L CHANDAK**  
Executive Director.

Address :

The West Coast Paper Mills Ltd.,  
Bangur Nagar DANDELI ( U.K.) 581-325



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**ZZG/CLAB-KSPCB/04/  
07-09-2013**

✓ **Senior Environmental Officer,**  
Hazardous waste cell,  
Karnataka State Pollution Control Board  
Office of the chairman,  
6<sup>th</sup>, 7<sup>th</sup> & 8<sup>th</sup> & 9<sup>th</sup> floors,  
Subhas Chandra Bose Building,  
M G Road  
**Bangalore 560 001**

Courier service

Gentleman:

**Sub :** Details of Waste Oil & Waste Oil sludge under the provisions of Hazardous waste (Management, Handling & Transboundary Movement) Rule-2008 amended 2010

We are sending herewith the following for the month of August **2013**

1. Quantity of storage & transportation details of Waste oil.
2. Quantity of Waste oil sludge reprocessed on our RLK
3. E - Waste generation and Disposal details.

We hope you will find this in order.

Thanking You,

Very Truly yours,  
**THE WEST COAST PAPER MILLS LTD**

  
**KL CHANDAK**  
**EXECUTIVE DIRECTOR**

Encl : As above

Cc : Environmental Officer,  
Regional Office,  
Karnataka State Pollution Control Board  
" Parisara Bhavan" , LIG - II, B - 217  
B-1, Main Road, A-16<sup>th</sup> Cross  
Near Hari Om Trust, Habbuwada  
**KARWAR - 581 303**

The West Coast Paper Mills Ltd Dandell  
Central Laboratory ( IPC )

Details of Lubricating waste oil And Furnance oil sludge

August-2013

S.No	Particulars	Quantity ( KL )	
		For the Month	For the Year from April 2013 to March 2014
<b>I LUBRICATING WASTE OIL</b>			
1.0	Total generation	Nil	10.400
2.0	Total Quantity Disposed to M/s Special Oils kurwinkoppa, Kalghatgi	Nil	10.000
2.3	Balance in storage yard	-	0.400
<b>II FURNANCE OIL SLUDGE</b>			
1.0	Total generation	Nil	17.409
2.0	Total Quantity Disposed	-	-
2.1	Recycled in RLK	Nil	-
2.2	Closing Balance	-	17.409
<b>III E - Waste</b>		<b>Quantity (MT)</b>	
		<b>For the Month</b>	<b>For the Year from April 2013 to March 2014</b>
1.0	Total generation	Nil	3.350
2.0	Total Quantity Disposed to M/s Techlogic unit -2, Bangalore	Nil	3.350

Signature :

Date : 7/9/2013

Name : K.L. Chandak  
Executive Director.

Address : The West Coast Paper Mills Ltd., Dandell  
Bangur Nagar DANDELI ( U.K. ) 581325



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07-09-2013**

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B-1, Main Road, A-16<sup>th</sup> Cross  
Near Hari Om Trust, Habbuwada  
**KARWAR - 581 303**

Courier service

Gentleman:

**Sub : Water pollution Control Report**

We are Sending herewith the following for the month of August **2013**

1. The weekly analysis report of treated mill effluent (including sewage).
2. Daily readings of on-line meter of D.O., pH, Temperature & flow at single point discharge.
3. Up stream & Downstream water quality monitoring report of Kali River.

" we certify that no trade effluent , sewage effluent, Solid waste is being discharged outside the premises without treatment directly or indirectly".

We hope you will find this in order.

Thanking You,

Very Truly yours,  
THE WEST COAST PAPER MILLS LTD

  
**KL CHANDAK**  
**EXECUTIVE DIRECTOR**

Encl : As above

**THE WEST COAST PAPER MILLS LIMITED, DANDELI**  
**Central Laboratory ( IPC )**

Report of analysis of treated effluent along with treated sewage showing performance of the treatment plant for the month of

Aug-2013

sample collected & tested by CENTRAL LABORATORY (IPC)

Sl.No	Pollution parameters as mentioned in the condition imposed under consent granted under section 25/26 of the water (prevention & control of pollution ) Act 1974.	Maximum permissible limits or ranges allowed as per consent conditions.	concentration or range of parameters as per report.			
			I Week	II Week	III Week	IV Week
<b>A</b>	<b>Industrial effluent</b>		<b>65 CPU and odourless</b>			
1	Colour & Odour	All efforts to remove colour & odour as far as practicable				
2	Suspended solids	50.0 [ max ]	33	36	34	33
3	Particle size of suspended solids	Shall pass through 850 microns IS sieve	<850	<850	<850	<850
4	Dissolved solids - [inorganics]	2100 [ max ]	732	742	708	726
5	Temperature	°C Shall not exceed 40 °C in any section of the stream within 15 mts. Down stream from the effluent outlet	31	31	30	31
6	pH value	7.0 - 8.5	7.3	7.1	7.2	7.2
7	Oil & Grease	10.0 [ max ]	Nil	Nil	Nil	Nil
8	Total residual chlorine	1.0 [ max ]	Nil	Nil	Nil	Nil
9	Ammonical Nitrogen [as N]	50.0 [ max ]	Nil	Nil	Nil	Nil
10	Total Kjeldhal Nitrogen [as N]	100.0 [ max ]	1.3	1.0	1.4	1.2
11	Free Ammonia [ as NH <sub>3</sub> ]	5.0 [ max ]	Nil	Nil	Nil	Nil
12	Bio-Chemical Oxygen Demand [ 5 days at 20 °C ]	30.0 [ max ]	25	22	23	22
13	Chemical Oxygen Demand	250.0 [ max ]	128	133	127	132
14	Chloride [ as Cl ]	350.0 [ max ]	130	126	138	142
15	Dissolved Phosphate [ as P ]	5.0 [ max ]	Nil	Nil	Nil	Nil
16	Sulphate [ as SO <sub>4</sub> ]	1000.0 [ max ]	56	48	50	52
17	Sulphide [ as S ]	2.0 [ max ]	Nil	Nil	Nil	Nil
18	Phenolic compound [ as C <sub>6</sub> H <sub>5</sub> OH ]	1.0 [ max ]	Nil	Nil	Nil	Nil
19	Bio assay	Not Less than 90% of the test animal shall survive in 96 hrs test. The test shall be conducted as per IS 6582	Free from toxic materials as all test fishes survived after 96 hrs			

Signature: \_\_\_\_\_

Date : 7/9/2013

Name : **K L CHANDAK**  
 Executive Director.

Address : The West Coast Paper Mills Ltd.,  
 Bangur Nagar DANDELI ( U.K ) 581-325



**THE WEST COAST PAPER MILLS LIMITED, DANDELI**  
Central Laboratory (IPC)

Report on daily discharge pH, DO & temperature of combined treated effluent for the month of August 2013

SL.No	Date	Treated mill effluent			
		Flow m <sup>3</sup> /Day	pH	D.O ppm	Temp ° C
1	1-Aug-13	72,550	7.4	4.4	30.0
2	2-Aug-13	72,651	7.2	3.9	30.0
3	3-Aug-13	75,829	7.3	3.8	29.0
4	4-Aug-13	75,434	7.1	3.7	31.0
5	5-Aug-13	75,043	7.2	3.7	31.0
6	6-Aug-13	74,472	7.3	3.8	31.0
7	7-Aug-13	78,246	7.3	4.0	31.0
8	8-Aug-13	79,873	7.1	3.9	31.0
9	9-Aug-13	76,327	7.1	4.0	31.0
10	10-Aug-13	75,046	7.1	3.9	31.0
11	11-Aug-13	76,727	7.1	3.8	31.0
12	12-Aug-13	78,411	7.1	4.1	30.0
13	13-Aug-13	74,683	7.3	3.8	31.0
14	14-Aug-13	72,444	7.2	4.2	31.0
15	15-Aug-13	70,720	7.3	3.7	30.0
16	16-Aug-13	76,060	7.3	3.6	31.0
17	17-Aug-13	74,536	7.1	3.8	31.0
18	18-Aug-13	75,164	7.0	3.8	31.0
19	19-Aug-13	71,113	7.2	3.6	32.0
20	20-Aug-13	72,756	7.2	3.8	31.0
21	21-Aug-13	68,320	7.2	4.1	30.0
22	22-Aug-13	69,549	7.3	3.9	30.0
23	23-Aug-13	72,230	7.3	3.8	32.0
24	24-Aug-13	77,625	7.2	3.7	32.0
25	25-Aug-13	75,577	7.2	3.7	31.0
26	26-Aug-13	75,047	7.2	3.8	31.0
27	27-Aug-13	75,533	7.2	4.0	31.0
28	28-Aug-13	76,039	7.3	3.9	32.0
29	29-Aug-13	75,725	7.2	3.9	32.0
30	30-Aug-13	72,426	7.1	3.8	32.0
31	31-Aug-13	74,114	7.1	3.6	32.0
<b>Average for day</b>		<b>74,525</b>	<b>7.2</b>	<b>3.9</b>	<b>31.0</b>

Signature :

Date : 7/9/2013

Name : **K L CHANDAK**  
Executive Director.

Address : **The West Coast Paper Mills Ltd.,**  
Bangur Nagar DANDELI. ( U.K.) 581-325

**THE WEST COAST PAPER MILLS LIMITED, DANDELI**  
**Central Laboratory ( IPC )**

Date of sample collection: 13-08-2013

Kali river upstream & Down stream water samples analysis report.

Samples collected jointly by KSPCB officials & Central Laboratory ( IPC ) personnel on 13-08-2013

SL.No.	Parameter	Upstream	Downstream	
			Kariempalli Village	Harnoda Village
1	pH	7.3	7.5	7.1
2	Colour	Clear	Clear	Clear
3	Odour	No Odour	No Odour	No Odour
4	Suspended Solids	ppm	18	13
5	Dissolved Solids	ppm	40	56
6	Total Solids	ppm	58	69
7	Hardness as CaCO <sub>3</sub>	ppm	26	22
8	Alkalinity (M.O) as CaCO <sub>3</sub>	ppm	34	38
9	Chloride as Cl	ppm	6.0	6.6
10	Sulphate as SO <sub>4</sub>	ppm	15.4	16.8
11	Turbidity	NTU	56	50
12	Sp. Conductivity	µS	25.6	21.2

Signature: 

Date : 7/9/2013

Name: K.L. CHANDAK

Executive Director.

Address: The West Coast Paper Mills Ltd.,

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DNV

CERTIFIED

**ZZG/CLAB-KSPCB/04/  
07-09-2013**

✓ Environmental Officer  
Regional Office,  
Karnataka State Pollution Control Board  
" Parisara Bhavan" , LIG - II, B - 217  
B-1, Main Road, A-16<sup>th</sup> Cross  
Near Hari Om Trust, Habbuwada  
**KARWAR - 581 303**

Courier service

Gentleman:

**Sub :** Analysis report of treated trade effluent collected jointly by  
K.S.P.C.B. official & mills.

We are enclosing herewith our analysis report of above mentioned sample  
collected jointly by K.S.P.C.B. Official & mills on **13<sup>th</sup> August 2013.**

Hope you will find this in order.

Thanking You,

Very Truly yours,  
**THE WEST COAST PAPER MILLS LTD**

*KL Chandak*  
**KL CHANDAK**  
EXECUTIVE DIRECTOR

Encl : As above

# THE WEST COAST PAPER MILLS LIMITED, DANDELI

## Central Laboratory ( IPC )

Analysis report of treated trade effluent along with treated colony sewage  
(samples collected jointly by K.S.P.C.B. officials KARWAR and Central Laboratory-IPC)  
personnel on **13-08-2013**

SL.No	Pollutants as specified in consent condition	Tolerance Limits	Pollutants Concentration
A	<b>Industrial effluent</b>		69 CPU & odourless
1	Colour & Odour	All efforts to remove colour & odour as far as practicable	
2	Suspended solids	mg/l 50.0 [ max ]	32
3	Particle size of suspended solids	mg/l Shall pass through 850 microns IS sieve	Less than 850 $\mu$
4	Dissolved solids (Inorganics)	mg/l 2100 [ max ]	702
5	Temperature	$^{\circ}$ C Shall not exceed 40 $^{\circ}$ C in any section of the stream within 15 mts. Down stream from the effluent outlet	29
6	pH value	7.0 - 8.5	7.5
7	Oil & Grease	mg/l 10.0 [ max ]	Nil
8	Total residual chlorine	mg/l 1.0 [ max ]	Nil
9	Ammonical Nitrogen [as N]	mg/l 50.0 [ max ]	Nil
10	Total Kjeldhal Nitrogen [as N]	mg/l 100.0 [ max ]	1.2
11	Free Ammonia [ as NH <sub>3</sub> ]	mg/l 5.0 [ max ]	Nil
12	Bio Chemical Oxygen Demand [ 5 days at 20 $^{\circ}$ C ]	mg/l 30.0 [ max ]	20
13	Chemical Oxygen Demand	mg/l 250.0 [ max ]	120
14	Chloride [ as Cl ]	mg/l 350.0 [ max ]	134
15	Dissolved Phosphate [ as P ]	mg/l 5.0 [ max ]	0.01
16	Sulphate [ as SO <sub>4</sub> ]	mg/l 1000.0 [ max ]	42
17	Sulphide [ as S ]	mg/l 2.0 [ max ]	Nil
18	Phenolic compound [ as C <sub>6</sub> H <sub>5</sub> OH ]	mg/l 1.0 [ max ]	Nil
19	Bio assay	Not Less than 90% of the test animal shall survive in 96 hrs test. The test shall be conducted as per IS 6582	Free from toxic materials as all test fishes survived after 96 hrs

Signature :

Date : 7/9/2013

Name : **K L CHANDAK**  
Executive Director

Address : **The West Coast Paper Mills Ltd.,**  
Bangur Nagar DANDELI. ( U.K. ) 581-325

10/10