Questionnaire For Primary data collection related to Low Temperature Incinerator Chemical Recovery System

A. General Information

1. Name of the mill:

2. Address:

PIN

3.Year of establishment:

4. Contact person /persons:

Name		Designation	
Phone No.	Fax No.	Mobile No.	E-mail

B. Mill Data

1. Installed capacity, t/a :

2. Actual production, t/a :

3. Capacity utilisation, % :

4. Year of Installation

4. Raw material furnish ,% :

Furnish					
%					

5. Raw material consumption, t/day:

	1	2	3	4	5
Raw Material					
t/day					

6. Quality / grades of paper produced, t/a:

Sl. No.	Grade/ Quality	t/a
1		
2		
3		
4		
5		
6		

C. Pulp Mill Data

Name of the Digester	
Number of digesters	
Capacity, t / hour	
Loading capacity, %	
Dimensions	

Pulping Conditions;

- **Chemical Charge as NaOH**
- **Cooking Temperature**
- **Bath Ratio**
- **Volume of Black Liquor Recycled in Cooking**
- **Cooking Cycle**
- **Unbleached Yield**
- **Kappa number**

D. Brown Stock Washing Data

Type of Washer
Number of Washer
Washing Stages

E. Chemical Recovery Data

WBL Storage Capacity:

No of Storage Tanks
Capacity of Each Tanks

SCBL Storage Capacity

No of Storage Tanks
Capacity of Each Tanks

Weal Black Liquor Characteristics:

Volume of WBL Generated Per day
Volume of WBL Generated Per ton of Pulp
pH-
Total Solids, %w/w-
RAA, gpl as NaOH-
Suspended Solids, ppm-

Semi Concentrated Black Liquor Characteristics:

Volume of SCBL Generated Per day
Total Solids, %w/w-
RAA, gpl as NaOH-

Heavy (Firing) Black Liquor Characteristics:

Volume of HBL Generated Per day
Total Solids, %w/w-
RAA, gpl as NaOH-

Multiple Effect Evaporators (Evaporation Plant)

Type of Evaporator (LTV/FF)	Value
Make	
No. of Effects	
Liquor flow pattern	
Evaporation capacity ,Kg/hr.	
Dry solid flow Kg/hr.	
Steam pressure, kg/cm^2 & temp. ^oC (in the evaporation plant)	
Steam used per day in evaporation	
Steam used in evaporator per ton of pulp pruced	
Steam economy	
Frequency of cleaning	

Temperature of LTI

Quantity of Na_2CO_3 Produced per day

Quantity of Na_2CO_3 Produced per ton of NaOH used

Over all Chemical Recovery Efficiency

Chemical Recovery Efficiency (LTI)