

KEYNOTE ADDRESS

Distinguished guests, Ladies and Gentlemen,

I would like to congratulate IPPTA for organizing this seminar as a platform to the Industry to share their day to day experience, forum for sharing of technological improvements in various machineries, equipments, chemicals used in the industry and latest development in automation.

In last two decades Indian pulp and paper industry witnessed significant growth in every aspects of paper making like quality of paper, optimization of energy consumption, improvement in the environment front, number of machines and production capacity of machines.

Number of the medium scale mills are coming up with machines of high capacity of production. The growth what industry has seen is mainly due to the following factors and still these factors continue to contribute.

- Average annual GDP growth rate
- Increasing literacy rate
- Population with increasing Middle class
- Declining poverty
- Increase in per capita income

We reached per capita paper consumption of around 9.18 kg. Still this is very less as compared to US, Europe, China and average consumption for the globe. So the domestic demand is expected to grow. (Source Business Standard)

- India is Fastest growing pulp and paper market in world registering growth of 10% over one year in per capita consumption and it is expected to grow in future due to increase of literacy and various government programs like “Sarv Siksha Abhiyan”.
- The growth rate of Pulp & Paper Industry is around CAGR of 7-8%
- Total Installed capacity of pulp & paper is around 9.18 million tonnes / anum in 2009-2010 & expected to increase to 11.5 million tonnes by 2011-2012. (Source Business Standard)
- Every increase of 1 kg in per capita consumption will increase demand by 1 million tons

For fulfilling this demand industry needs to enhance the production capacity. Which will increase requirement of raw material? Raw material is one of the main constraints to be focused on, for future growth of the industry.

Indian pulp and paper industry is based on mix of raw material like – 30% wood based mills, 38% recycled paper based & 32% agro. Most of the recycled paper used in the industry is imported. Due to non availability of proper channel of collection of waste paper and also lack awareness in the society, waste paper recovery is not up to standard. In recently concluded paper tech 2010 event in CII – Sohrabji Godrej Green Business Centre Hyderabad,

ITC shared about initiative taken by them for waste paper collection (WOW (Wealth out of waste)). Proper waste paper collection method will not only empower industry by catering raw material but also empower society by providing clean and green environment, creating job opportunities etc.

Another area to focus on is energy. According to the survey of Beuro of Energy Efficiency pulp and paper industry is one of the top 10 energy intensive industry. According to the report of BEE pulp and paper industry has enormous potential of saving energy.

With improved state of art high performing controllers & modules and Pulp & Paper Industry specific libraries, optimization of field instruments from DCS is possible to maximize the performance.

Unified solution for DCS, QCS, Actuators, Drives, Motors & Electrics gives opportunity of centralized control and thus it gives following benefits –

- Reduced time to decision and action
- Reduced risk through high integrity automation
- Integration of information for greater level of visibility
- Improved batch production profitability, consistency, and traceability
- Optimizing plant asset availability & performance

Latest developments in paper machine drives technology not only improve the productivity by maximizing availability of machine but also provide opportunity for energy conservation. Direct drive is such a new development which provides foothold for higher energy efficiency with entirely new mechanical configurations: No gear box, No Pulp encoders. The technology provides high efficiency with high torque permanent magnet motors directly coupled to the in drive of the paper machine section. For the entire system installation, this means fewer components & simpler configurations, less hours in plant engineering easier installation and more efficient use of the mill floor space. These drives provide higher process availability and excellent control.

Optimizing energy uses will improve industries operating cost and make it competitive in global market. Automation is playing major role in improving both quality enhancement and reduction in energy consumption. Steam box such an example which not only improves quality of product but also gives better return on investment by improving life of felt, reducing requirement of steam.

Energy optimization & advance process controls are used in most of the world class paper mills to improve their productivity.

In the next two days experts from the various fields will share their thoughts / experience & latest technological enhancement in the pulp & paper making equipments, handling of raw material, technological advancement in chemical recovery, stock preparation & paper machine, opportunities of energy saving, environmental management & latest developments in automation.

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