

Technological Advancement of Fiber Line in Indian Paper Mills.

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The Paper Industry in India, has shown significant progress during the successive Five Year Plans. The growth of the Paper Industry gathered momentum during 1955-60. Bamboo was the major raw material for the pulp and paper industry. Earlier, natural forests provided a ready available source, but with increasing anthropogenic pressures resulting in shrinkage and deforestation, this source has drastically dwindled over the years. The shift in raw material sourcing was to Hard woods, agro-residues like bagasse, straws and secondary fibers. Large sized mills, based on bamboo, wood and bagasse are producing pulp with conventional kraft process and are well equipped with chemical recovery system while the small and medium size paper mills based on agro- residues are following soda process without chemical recovery. Now these mills are increasing their capacity for putting up the chemical recovery systems. Stringent environmental legislations, increasing cost of energy, chemicals and other utilities and increasing demand of high brightness paper are forcing the paper industry to adopt improved pulp washing systems and modifications in bleaching practices. Apart from this, the industry is also gearing up to grow its own raw material. The promotion of wood based industry, carries the potential to make a vital contribution towards the creation of rural livelihood and the restoration of ecological balance.