



केन्द्रीय लुग्दी एवं कागज अनुसंधान संस्थान
Central Pulp & Paper Research Institute
An autonomous organisation under the administrative control of
Ministry of Commerce & Industry, Govt. of India
(Registered under Societies Act)

Subject: Expression of Interest (EOI) from agencies/firms to participate in pre bid meeting for design and fabrication of pilot scale bagasse depither plant (5 ton/day) conceptualized by CPPRI, Saharanpur

Applications are invited from the agencies/firms to participate in pre bid meeting for design and fabrication of pilot scale bagasse depither **plant (5 ton/day)** conceptualized by CPPRI, Saharanpur for installation at mill site in southern part of the country. The details regarding the equipment and the eligibility criteria of agencies/firms are uploaded on CPPRI website (www.cppri.org.in). Interested eligible agencies/firms may make it convenient to attend a pre bid meeting on **26th September, 2016** at 11.0 AM in Central Pulp and Paper Research Institute, Paper Mill Road, Himmat Nagar, Saharanpur.

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BRIEF DESCRIPTION OF THE SYSTEM

1. Brief process description

Bagasse, a potential raw material for the paper industry has serious problem of pith associated with the cellulosic fibrous material which is undesirable from the point of view of papermaking. The removal of this pith from the fibrous portion of bagasse is necessary so that the same can be effectively utilized for high quality pulp production. The conventionally employed methodologies for depithing of bagasse are based on dry/wet depithing or a combination thereof in which bagasse is mechanically abraded to break the clusters of pith away from the fibrous portion of bagasse. These processes have some inherent disadvantages. Keeping this in view CPPRI has developed an efficient single step process of depithing. CPPRI has applied for both the product and the process patent in this respect.

Now, for demonstration of the project finding, a pilot scale depither plant (5 ton/day) based on disc milling having bagasse as a feed is to be designed and fabricated at mill site preferably in the Southern part of the country. A block diagram of the process is placed below.

2. Block diagram of the process:

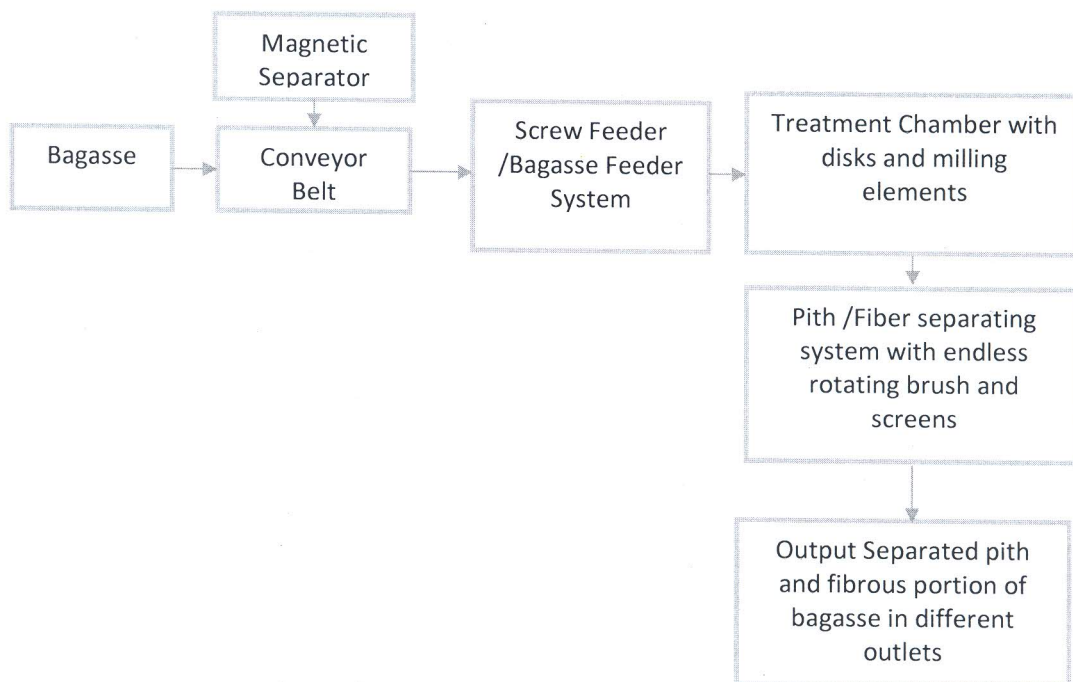


Fig. 1: Conceptual diagram of a pilot plant depither

