LOW COST JUTE BASED DISPOSABLE SANITARY NAPKIN FOR RURAL WOMEN

Jute being a natural lingo-cellulosic bast fibre is mostly used in manufacturing packaging materials. As a part of jute product diversification, the present development is targeted at production of sanitary napkins which can be obtained from jute, a readily available renewable natural sources . The use of sanitary napkin (SN) being a basic necessity, yet due to cost it is always not affordable for use in all sections of the society. Thus, cost has been a barrier to reach sanitary napkins to most of the people such as its use is low in India as 83% women cannot afford the product. At present the sanitary napkin available in market is made of wood pulp. Use of wood pulp causes deforestation and has a negative impact on environment. In near future supply of wood pulp may be stopped and supply chain of core material will be affected. Keeping this environmental issue in mind and to keep the supply chain alive a core material has been developed for sanitary napkin from jute.

Salient Features:

The production of sanitary napkin advantageously and selectively involves jute fibre and jute sticks as the low cost absorbent core material without the incorporation of any synthetic super-absorbent polymer. The manufacturing processes of the jute based core material is simple and chemical free, have no adverse effects on the environment. Advantageously, this simple process of making SNs can be easily adopted even by the non-skilled / semi-skilled persons for manufacturing safe and cheaper jute based sanitary napkins.

Advantages:

- A stable, low cost sanitary napkin
- The core absorbent material made from readily available and natural renewable sources such as jute;
- The core material formed without incorporation of any synthetic super-absorbent polymer;
- The biodegradable core with good water retention value (comparable to commercial counterpart)
- Involving an eco friendly manufacturing process without any chemical processing steps
- Cost effective and economical sanitary napkins

Scale of Development: Technology ready for commercialisation

