

5. Title of the Technology : <b>A process of Preparation of Coir Composite Boards</b>			
Type(Green/Import Substitution/etc)	Green Substitute		
IP status(IP Protected/Non Infringing/freedom to practice)	Patent Filed. Indian patent No.240751dtd 10/03/2003		
TRL Status	5-8(Coir Composite Boards qualified and proven through successful operations)		
Plant/Equipment/Space requirement for manufacturing	Coir pith & resin mixing machine – 1 No Coir felt Machine – 1 No Coir Felt impregnation machine with online drier – 1 No Hot compression moulding machine – 1 No Edge trimming machine – 1 No Boiler & Misc-1 No Building Area– 20000 Sq Ft		
CapEx		Capacity	Cost in Lakhs (INR)
	Coir Composite Boards	28800 panels/annum	361.45
		Capacity	Cost in Lakhs
OpEx	Coir Composite Boards	96panels/day	26.4 /month
Market size and Return of investment time(Please indicate in numbers)	Small capacity-25 panels/day Large Capacity-100-150 panels/day  ROI : 1-2 years for Small capacity and 3-5 years for Large Capacity		
Availability of raw material	Raw materials are easily available		
Product/Equipment Certification status(Regulatory Body/User agency)	Coir Composite Boards are tested according to BIS standards		
Unique Selling Point	<ul style="list-style-type: none"> <li>• From the market study, the builder community and the vendors are really positive on the market acceptance of the coir composite boards.</li> <li>• Coir and Jute are the most preferred natural fibers in the market. The products that are made using these fibers are accepted more than any other natural fiber based products.</li> <li>• Coir based furnishing and building products are rated highly by the market.it clearly indicates a good future for coir based innovative products.</li> <li>• The Ecofriendly trend in the market is great news for the making industries.The boom in the construction industry also adds up to the demand for natural fibre based products.Coir based boards are as good as the wood based products in durability quality longevity and finish.</li> <li>• Coir composite Boards are going to be next trend in the market. As the market is maturing to ecofriendly products, coir and other natural fibres have a big role to play.</li> </ul>		

Transfer of Technology charges of the Lab for a) Micro b) Small c) MediumScale company	Micro: Upfront Fee of Rs10 Lakhs +Royalty of Rs 2.5% on Installation Small:Upfront Fee of Rs15 Lakhs +Royalty of Rs 2.5% on Installation Medium:Upfront Fee of Rs20 Lakhs +Royalty of Rs 2.5% on Installation
Date for demonstration of technology	01.03.2020 -01.03.2021

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