

1. Title of the Technology: <b>ANUGRAHA TEJAS Automatic power loom for Coir Geo Textiles</b>			
Type(Green/ import substitution/etc)	Green		
IP Status (IP Protected /Non infringing /freedom to practice )	Patent filed, Indian patent no.201741041316 dtd 18/11/2017		
Plant / Equipment/Space requirement for manufacturing	Motor Capacity – 3 HP Cops and bobbin winding – 2 HP Land area:250-300 sq ft Preparatory processing unit(Bobbin winding cops making etc) for installation of Anugraha Tejas loom.		
	Anugraha Tejas	Capacity	Cost in Lakhs (INR)
CapEx		800 Sq m/day	15.5
	Anugraha Tejas	Capacity	Cost /Sqm (INR)
OpEx		800 Sq m /day	70.00
Market Size and Return on Investment time (Please indicate in numbers)	Small capacity: 4800 Rolls(50Sqm)/annum Large capacity:Depends on the investment for multiple looms ROI: 1-2 years (Small capacity) & 2-3 years(Large capacity )		
Availability of raw materials	All the raw materials are easily in coconut growing states at reasonable cost		
Product/ Equipment Certification status (Regulatory body/ user agency)	Patent designed and fabricated in CCRI		
Unique selling Point	<ul style="list-style-type: none"> <li>• “ANUGRAHA-TEJAS” fully automatic power loom is the upgraded and fully mechanized version of the semi automatic loom “ANUGRAHA”</li> <li>• Versatile loom which can be operationalized by male &amp; female coir artisans</li> <li>• Output is 800 Sq.Mtr. per two shifts/ day of coir geotextile withwidth of 1 Meter</li> <li>• Easy maintenance</li> <li>• Simple in construction and operation</li> <li>• Produces fixed number of wefts per unit length which can be predetermined by a ratchet mechanism provided in the loom</li> <li>• Winding is carried out without stopping the weaving operation by the ratchet mechanism</li> <li>• The yarn is released automatically due to providing of a brake mechanism which releases warp yarn continuously from the warp beam</li> <li>• Beneficial to small scale and large scale coir units</li> </ul>		
Transfer of technology charges of the Lab	Micro: Upfront Fee of Rs 50,000 +Royalty of Rs 2.5% on		

for <ul style="list-style-type: none"> <li>• Small</li> <li>• Medium Scale company</li> </ul>	Installation Small Upfront Fee of Rs1lakhs +Royalty of Rs 2.5% on Installation Medium: Upfront Fee of Rs1.5 lakhs +Royalty of Rs 2.5% on Installation
Date of demonstration of technology	The demonstration available at CCRI working time.

Contact details of the person

<b>Name</b>	<b>Designation</b>	<b>Lab Address</b>	<b>Phone No.</b>	<b>Email Address</b>
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