

4. Title of the Technology: Mild steel Anugraha handloom for weaving Coir geotextiles			
Type(Green/ import substitution/etc)	Green		
IP Status (IP Protected /Non infringing /freedom to practice)	Patent Filed :Indian Patent No.222486dtd 02.07.2003		
Plant / Equipment/Space requirement for manufacturing	Bobbin winding machine-1No Cops winding machine -1 No Land Area:250-300 Sqft Preparatory processing unit(Bobbin winding cops making etc) for installation of Anugraha loom.		
		Capacity	Cost In lakhs
CapEx	Anugraha H ₂ M ₅	50Sqm/day	2.5
OpEx		Capacity	Cost
	Anugraha H ₂ M ₅	50 Sqm/day	2000.00/Day
Market Size and Return on Investment time (Please indicate in numbers)	Small capacity: 18750Sqm/annum Large capacity: Depends on the investment for multiple looms ROI: 1-2 years for 1 loom		
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 Bestowed with Best Innovation award by NRDC in 2004		
Unique selling Point	<ul style="list-style-type: none"> • Versatile loom which can be operationalized by male & female coir artisans • User friendly due to the ease of operation • Less maintenance expenditure • Panama matting, Ribbed Matting, rod mat, rod inlaid mat and carpet mat can also be manufactured using Anugraha Loom with minor arrangements. • Winding is carried out without stopping the weaving operation by the ratchet mechanism. • The yarn is released automatically due to providing of a brake mechanism which releases warp yarn continuously from the chain beam. • It can be operated by single woman worker. • Due to its light weight, it can be easily shifted from one place to another. 		

Transfer of technology charges of the Lab for <ul style="list-style-type: none"> • Micro • Small • Medium Scale company 	Micro: Upfront Fee of Rs.10000 +Royalty of Rs 2.5% on installation Small: Upfront Fee of Rs.15000 +Royalty of Rs 2.5% on installation Medium: Upfront Fee of Rs.25000 +Royalty of Rs2.5% on installation
Date of demonstration of technology	The demonstration available at CCRI working time.

Contact details of the person

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