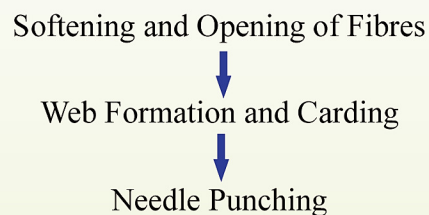
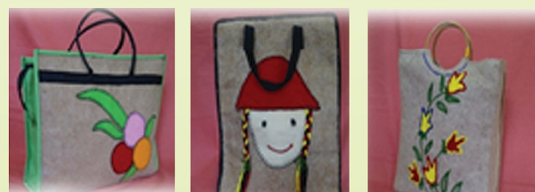


## Non-Woven Fabric Production



### Cost of Non-woven Materials

Requirements	Quantity	Cost (Rs.)
Raw material (bhindi fibre)	20 kg	2,000
Processing cost of non-woven fabric	17 m	16,000
<b>Total cost of non-woven fabric</b>	<b>17 m</b>	<b>18,000</b>
Cost per meter of non-woven fabric		<b>Rs 1,058.82 (~Rs 1,060)</b>



Shopping bag      Hand bag      Shopping bag



Purse      Bed-side runner      Pot mat

Non woven products

## Cost analysis of non-woven fabric products

Product	Fabric required (m)	Cost of fabric (Rs)	Acc. + Labour (Rs)	Total cost per unit (RS)
Shopping bag	0.80	848.00	220	1,068
Hand bag	0.70	742.00	180	922
Shopping bag	0.72	763.20	190	953
Purse	0.25	265.00	50	315
Bed-side runner	0.95	1,007.00	150	1,157
Pot mat	0.25	265.00	60	325

### Profitability and B:C ratio of non-woven products

Product	Total Cost (Rs)	Selling Price (Rs)	Net Profit (Rs)	B:C Ratio
Shopping bag	1,068	1,388	320	<b>1.3 : 1</b>
Hand bag	922	1,199	277	<b>1.3 : 1</b>
Shopping bag	953	1,239	286	<b>1.3 : 1</b>
Purse	315	410	95	<b>1.3 : 1</b>
Bed-side runner	1,157	1,504	347	<b>1.3 : 1</b>
Pot mat	325	422.5	97.5	<b>1.3 : 1</b>



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## CHEMICAL FREE EXTRACTION AND PRODUCT DEVELOPMENT FROM OKRA STALK FIBRE



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## Introduction

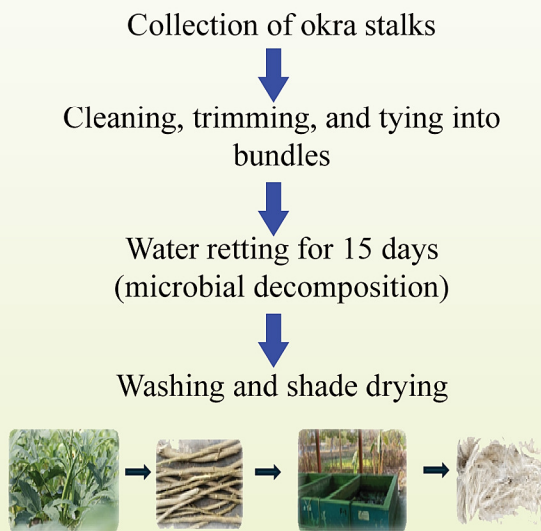
Okra fibre is a natural bast fibre extracted from the bark of the okra stem. It is rich in cellulose and has properties similar to other bast fibres such as jute, hemp, and ramie.

Utilizing okra stalk fibre helps in converting agricultural waste into valuable resources, promoting sustainable agriculture and eco-friendly materials. It offers great potential for textile and handicraft applications. Developing products from okra fibre can create additional income opportunities for farmers, support the circular bio-economy, and contribute to environmentally sustainable rural development.

## Botanical Profile of Okra

Common name	Okra
Local name	Bhindi
Scientific name	<i>Abelmoschus esculentus</i>
Kingdom	Plantae
Order	Malvales
Family	<a href="#">Malvaceae</a>
Genus	<i>Abelmoschus</i>

## Extraction



## Cost Analysis of Okra Fibre Extraction

Particulars	Bhindi (Okra) Fibre
Quantity of stalk processed (kg)	500
Fibre yield (%)	4.0 (40 g from 1 kg stalk)
Fibre obtained (kg)	20
Labour cost per day (Rs)	1,000
Total processing days	2
Total labour / processing cost (Rs)	2,000
Cost per kg fibre (Rs/kg)	100 (2000/20)

## Benefit–Cost Ratio

Particulars	Value
Quantity of stalk processed	500 kg
Fibre obtained	20 kg
Processing days	2 days
Cost of fibre extraction	Rs 100/kg
Total cost	Rs 2000 (20 × 100)
Selling price	Rs 200/kg
Total return	Rs 4000 (20 × 200)
<b>B:C Ratio</b>	<b>2 : 1</b> (4000 / 2000)



Shoe brush

Dust cleaning brush

Rope

Painting brush

Product from bhindi fibre