

## CURLED COIR

### 1. INTRODUCTION

Coconut consist of water and copra contained in a hard shell covered with fibrous husk protecting it from damages. Fibre is extracted from coconut husk mechanically and is used in making several products with wide applications. One of the products is curled coir, which is used in manufacture of rubberized coir mattresses.

The curled coir is used in the manufacture of rubberized coir mattresses and upholstery.

### 2. MARKET

The required curled coir for the existing rubberised coir mattresses manufacturing units is not met by the above units and curled coir is being transported from Kerala. There is lot of demand for this product and the production of curled coir has to be increased. The product has demand from rubberised coir manufacturing units.

### 3. MANUFACTURING PROCESS

The clean fibre is fed to the hackling machine in which the fibre is loosened, opened out and teased to facilitate easy curling. Then the hackled fibre is fed to the curling machine in which the fibre is straightened passing through the rollers and curled in the spinning head. The curled rope is wound on bobbins and the bobbin head. The hopper feeder is provided for feeding uniform weight from the quantity of fibre to the curling machine. The ropes of different diameters can be produced on the curling machine.

### 4. PRODUCTION CAPACITY PER ANNUM

Capacity 600 tons  
Selling Price Rs. 7500 per ton

### 5. PROJECT COST/CAPITAL INVESTMENT

S.No	Description	Amount Rs.
1	Fixed Capital	2450000
2	Working Capital for <span style="color: red;">1</span> month(s)	290000
3	Preliminary & Preoperative Expns	25000
	Total Project Cost	2765000

### 6. MEANS OF FINANCE

S.No	Description	%age	Amount Rs.
1	Promoter Contribution	15%	414750
2	Subsidy /Soft Loan	20%	553000
3	Term Loan	65%	1797250
	Total		2765000

## 7. FINANCIAL ASPECTS

## A. FIXED CAPITAL

## i. Land and Buildings

S.No	Description	Unit	Area	Rate	Amount Rs.
1	Land	Acres	0.5	300000	150000
2	Buildings & Civil Works			LS	600000
	Total				750000

## ii. Machinery and Equipment

S.No	Description		Rate	Amount Rs.
1	Hackling machine;		LS	1700000
2	Curling machine		LS	
3	Bobbin winding machine		LS	
4	Spare bobbins, etc		LS	
5	Miscellaneous equipments		LS	
	Total			1700000

## B. WORKING CAPITAL

## i. Salaries &amp; Wages (per month)

S.No	Description	Nos.	Sal/mon.	Amount Rs.
1	Manager/Entrepreneur	1	3000	3000
2	Supervisor	1	3000	3000
3	Skilled Workers	18	2000	36000
4	Unskilled Workers	5	1500	7500
	Total			49500

## ii. Raw Material (per month)

S.No	Description	Unit	Qty.	Rate	Amount Rs.
1	Coir fibre	Tons	52.5	4000	210000
	Total				210000

## iii. Utilities (per month)

S.No	Description	Unit	Amount Rs.
1	Power	LS	25000
2	Water	LS	500
	Total		25500

## iv. Other Expenses (per month)

S.No	Description	Amount Rs.
1	Postage, Telephones & Stationery Expenses	500
2	Transportation & Conveyance Expenses	2000
3	Advertisement Expenses	500
4	Consumable Stores	500
5	Reparis and Maintenance Expenses	1000
6	Miscellaneous Expenses	500
	Total	5000

## v. Total Working Capital (per month)

S.No	Description	Amount Rs.
1	Salaries and Wages	49500
2	Raw Material	210000
3	Utilities	25500
4	Other Expenses	5000
	Total	290000

## 8. COST OF PRODUCTION (PER ANNUM)

S.No	Description	Amount Rs.
1	Total Working Capital	3480000
2	Depreciation	
	- Depreciation on Buildings @ 5%	30000
	- Depreciation on Plant & Mach. @ 15%	255000
3	Interest on term loan @ 12%	215670
	Total	3980670

## 9. TURNOVER (PER YEAR)

S.No	Description	Unit	Qty.	Rate Rs.	Amount Rs.
1	Sales Revenue	tons	600	7500	4500000
	Total				4500000

## 10. FIXED COST (PER YEAR)

S.No	Description	Amount Rs.
1	Depreciation	285000
2	Interest	215670
3	Salaries & Wages @ 40%	237600
4	Other Expenses incl. Utilities @ 40%	146400
	Total	884670

## 11. PROFIT ANALYSIS &amp; RATIOS

1	Net Profit	Rs.	519330
2	Percentage of Profit on Sales		12%
3	Percentage of Return on Investment		19%
4	Break Even Point		63%