

# Mosquito Net

PRODUCT CODE	: 266201008
QUALITY AND STANDARDS	: IS 14953: 2001
MONTH AND YEAR OF PREPARATION	: 2002-03
PREPARED BY	: Small Industries Service Institute 111-112, B. T. Road, Kolkata - 700035.

## INTRODUCTION

The product name itself is a more essential item for every human living. People are becoming more conscious about their health and hygiene. The Mosquito Net used to protect from mosquito at night during sleep. Now-a-days people are using Nylon Net due to more durability, easy to wash and better air circulation that of Cotton Net.

All the machineries and raw materials are available locally from local traders.

## MARKET POTENTIAL

The Mosquito net is an essential item used all over the country to have protection from mosquitoes, therefore the market of the item exists through out the year. It protects human bodies from the mosquito biting while sleeping. As other precautions in practice like Mosquito Repellent Mats, Ointment and coils have various side effects, people prefer the use of Mosquito Nets therefore the demand is increasing day by day and will increase further more due to increase of population and awareness

towards mosquito biting and diseases related therefore. The product has a very good demand in defence establishments too and CSD canteens are the bulk purchasers of the product through rate contracts.

## BASIS AND PRESUMPTIONS

The machinery and equipments are of a particular make available locally.

The cost indicated against the raw materials and other expenses are on the basis of local market and demand.

## TECHNICAL ASPECTS

### Process of Manufacture

The process of manufacture of Nylon Mosquito Net is very simple. A piece of Net cut in rectangle size as per required size. The required rectangle size Net along with Cotton Tape is spread on sewing Machine and stitch from one corner to the end.

### Quality Control and Standards

As per IS 14953:2001.

## Production Capacity (per annum)

Quantity : 72,000 Nos.  
Value : Rs. 1,80,00,000

## FINANCIAL ASPECTS

### A. Fixed Cost

#### (i) Land and Building

a) Covered area	80 Sq. Mtrs.
b) Uncovered area	20 Sq. Mtrs.
c) Total area	100 Sq. Mtrs.
d) Rented Value (per month)	Rs. 2500

#### (ii) Machinery and Equipments

Sl. No.	Description	Qty.	Amount (Rs.)
1.	Sewing Machine 103K complete set with all fittings	10 Nos. @ 5400	54,000
2.	Scissor Scale Tape etc.	L.S.	2,000
3.	Furniture and Fixture etc.	L.S.	24,000
	Total		80,000

### B. Working Capital (per month)

(i) Salary and Wages			(Rs.)
a)	Manager-Cum-Supervisor	1 No. @Rs. 3500	3,500
b)	Master Cutter	1 No. @Rs. 5000	5,000
c)	Skilled Workers	10 Nos. @Rs. 4000	40,000
d)	Un-Skilled Workers	3 Nos. @Rs. 2500	7,500
	Total		56,000
	Add. perquisites @20%		11,200
	G. Total		67,200

(ii) Raw Material			(Rs.)
a)	Nylon Net	58200 Mtrs. @ Rs. 20	11,64,000
b)	Cotton tape, sewing thread, lining cloth etc.	L.S.	48,000
c)	Packing Material etc.	L.S.	9,000
	Total		12,21,000

(iii) Utilities			(Rs.)
	Electricity and Water Charges	LS	8000

(iv) Other Contingent Expenses			(Rs.)
i)	Rent of Building		3000
ii)	Travelling delivery, transports etc.		2500
iii)	Stamp and Postage		500.00
iv)	Stationery, Printing etc.		1,500.00
v)	Repair and Maintenance		1,000.00
vi)	Miscellaneous		1,500.00
	Total		10,000.00

(v) Total Recurring Expenses (per month)			(Rs.)
a)	Raw Material		12,21,000.00
b)	Salary and Wages		67200.00
c)	Utilities		8000.00
d)	Other Contingent Expenses		10,000.00
	Total		13,06,200.00

(vi) Working Capital (for 3 months)	
	Rs. 39,18,600

### C. Total Capital Investment

a)	Non-Recurring Expenses	Rs. 80,000.00
b)	Working Capital	Rs. 39,18,600.00
	Total	Rs. 39,98,600.00

## FINANCIAL ANALYSIS

(1) Cost of Production (per annum)			(Rs.)
i)	Total Recurring Cost		1,56,96,000.00
ii)	Depreciation @ 10%		80,000.00
iii)	Interest on Total Capital Investment @ 14%		5,49,360.00
	Total		1,62,53,360.00
	Say		1,62,53,000.00

(2) Sales Proceeds (per annum)		(Rs.)
	Nylon Mosquito Net 72,000 Nos. @ 250	1.80,00,000

(3) Profitability (per annum)		(Rs.)
i)	Annual Profit before Tax	17,47,000.00
ii)	Percentage of profit on sales	9.70%
iii)	Percentage of profit in investment	44.43%

## (4) Break-even Point

Fixed Cost		(Rs.)
1.	Rent	36000
2.	40% of Salaries	331200
3.	40% of Utilities	38400
4.	40% of other contingent expenses	48000
5.	Depreciation of Machinery @ 10%	5400
6.	Depreciation of furniture and other fixed assets @ 20%	5200
7.	Interest on total capital Investment	5,49,360
Total		10,13,560

$$\begin{aligned}
 \text{B.E.P.} &= \frac{\text{Fixed Cost} \times 100}{\text{Fixed Cost} + \text{Profit}} \\
 &= \frac{1013560 \times 100}{1013560 + 1747000} \\
 &= \frac{1013560 \times 100}{2760560} \\
 &= 36.71\%
 \end{aligned}$$

## Addresses of Machinery Manufacturers

1. M/s. Paras Special Machine Co.  
Madhopur Kucha No. 7,  
Rohan Road,  
Ludhiana.

2. M/s. Vijay Sewing Pvt. Ltd.  
17-D, Everest House,  
46-C, Chowringhee Road,  
Kolkata.
3. M/s. Industrial Machines Pvt. Ltd.  
1/23 B, Asaf Ali Road,  
New Delhi-110002.
4. M/s. Apparel and Leather  
Techniques Pvt. Ltd.  
Kaikondanahalli,  
Sarjapur Road,  
Near Bellaandur gate,  
Bangalore-560035.
5. M/s. Industrial Sewing Systems  
30, Ramakrishna Street,  
North Usman Road,  
T. Nagar,  
Chennai.

## Raw Material Suppliers

1. M/s. S.K. knitfab (P) Ltd.  
"SASHI SADAN",  
26-P.K. Tagore Street,  
Kolkata-700006
2. M/s. Shakti Hosiery Works  
B-56, Lawrence Road Industrial  
Area, Delhi-110035
- 3) M/s. The Kothari Fabs  
1-Mahaveer Colony,  
Valipalayam Main Road,  
Tirupur-641601.