

# LATEX PRODUCTS

## I. INTRODUCTION:

SSI units can manufacture many dipped latex products. This unit envisages manufacturing of rubber gloves, transfusion tubes and fingerstalls for protection in medical profession. Natural rubber is available in our country and such products can be manufactured profitably.

## II. MARKET POTENTIAL

The wide coverage of health services need such products in larger numbers by professionals in the medical field. These products can be manufactured at different centres in the country to cater to the need of various hospitals in urban and rural centres.

## III. BASIS AND PRESUMPTIONS:

The unit will work for 8 hours a day and for 300 working days in a year. The unit will make 60% of capacity utilisation for production of Gloves (40000), Transfusion Tubes (100000), & Finger Nails (150000)

## IV. IMPLEMENTATION SCHEDULE:

The unit can be set up in 3 months time

## V. TECHNICAL ASPECTS:

### 1.Process of Manufacturing :

zinc oxide, sulphur, accelerators, anti-oxidants, etc. are dispersed with dispersa; LN in pot mill. Centrifuged latex and measured quantities of chemical dispersion are mixed in a mixer. Moulds are then dipped and coagulated to give desired thickness. The products are then vulcanised in a hot air oven.

### 2. Quality Specification

As per the customer's specification

### 3.Production Capacity per annum

Quantity: Gloves :24000 nos; Transfusion Tubes:60000 nos;Finger Nails:90000 nos.

Value: Rs. 264000 ; 180000; 135000 = Rs.570000

### 4.Motive Power

2 HP

## VI. TOTAL CAPITAL INVESTMENTS

S.No	Description	Value Rs.
1	Fixed Capital	120000
2	Working capital	44895
	Total cost	157895

## VII. MEANS OF FINANCE

- 1.Promoter's Contribution (5% of total cost) 7895
- 2.PMRY subsidy (15% of total cost or Rs.7500,whichever is less) 7500
- 3.Bank loan[total cost-( Promoter's Contribution+ PMRY subsidy) 142500

## VIII. FINANCIAL ASPECTS

### 1. FIXED CAPITAL

**i. Land & Buildings :** Rented premises 400 sft. at a rent of Rs.1000 pm.

### ii. Machinery & Equipment

S.No	Description	Quantity	Value Rs.
1	POT mill with 1.5 HP motor		18000
2	Mixer with 0.5 HP motor		6000
3	De- ammoniating vessels 0.5 HP motor		10000
4	Air oven Electrically operated		30000
5	Moulds		12000
6	Dipping Vats	2 nos.	10000
7	Coagulation tanks		8000
8	Testing equipment etc.		15000
9	Misc. fixed assets		2000
10	Pre-operative expenses		2000
	Total		120000

## 2. WORKING CAPITAL

### i) Staff & Labour per month

S.No	Designation	No	@ Rs.	Value Rs.
1	Manager	1	2500	2500
2	Skilled worker	4	1500	6000
3	Unskilled worker	4	1000	4000
	Total			12500

### ii) Raw Material (p.m.)

S.No	Description	Quantity	Value Rs.
1	Latex 60% DRC	250 kg	8750
2	Vulca stabiliser-20%	5 kg.	500
3	Zinc oxide	35 kg.	2675
4	Sulpher	33 kg.	500
5	Accelerator	15 kg.	1950
6	Antioxidant	10 kg.	800
7	Casein	2 kg.	40
8	Dispersal	2	80
9	Calcium Nitrate	70 kg.	1750
10	Other chemicals		1600
	Total		18645

### iii. Utilities per month

S.No.	Description	Value Rs.
1	Power	1000
2	Water	250
	Total	1250

iv. Other expenses per month

S.No	Description	Value Rs.
1	Packing materials	6000
2	Conveyance, transport	2500
3	Postage, telephone, stationery	3000
	Total	11500

v. Total working capital per month

S.No	Description	Value Rs.,
1	Rent	1000
2	Staff and labour	12500
3	Raw materials	18645
4	Utilities	1250
5	Other expenses.	11500
	Total	44895

**IX. COST OF PRODUCTION PER ANNUM**

S.No	Description	Value Rs.
1	Total working capital	538740
2	Depreciation	10900
3	Interest	23685
	Total	573325

## X. TURNOVER PER YEAR

S.No	Item	Quantity	Rate Rs.	Value Rs.
1	Gloves	24000 no.	11	264000
2	Transfusion tubes	6000 no.	30	180000
3	Finger stalls	90000 no.	1.50	135000
	Total			579000

## XI. FIXED COST PER YEAR

S.No	Description	Value Rs.
1	Depreciation	10900
2	Interest	23685
3	Rent	12000
4	40% of salaries & wages	60000
5	40% of other expenses (utilities + OE)	61200
	Total	167785

## XII. PROFIT ANALYSIS

Net Profit : sale-total cost=579000-573325= 5675

% of Profit on Sale: Profit / Sale x100 = 1%

% of Return on Investment: Profit / (Investment) x 100=5675/157895]100= 3.59%

Break-Even Analysis : FC / (FC+Profit) x100=167785/167785+5675]100= 96.73%

## XIII. MACHINERY SUPPLIERS & RAW MATERIAL SUPPLIERS

Locally available