

## Wind Cheater

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Product Code	N.A.
Quality and Standards	N.A.
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### Introduction

Wind cheater is a special type of garment generally used as an outerwear. This is usually made from synthetic cloth as this is very simple to wash. It is very useful for the two wheeler riders in order to get protection from chilly cold weather and dust from pre-summer. It also serves the purpose of guarding the main formal dress from soiling. Wind cheaters are easily washable as these are made from water repellent synthetic fabrics. It is preferred that unit should manufacture wind cheaters of different colours so as to attract different customers.

### Market Potential

At present these products are mostly manufactured in Delhi, and adjacent areas. Earlier, the raw material required for this product was not easily available and due to this, few units were established to manufacture this outerwear. As this product was also not very popular to the consumers, the units are mostly confined in selected places to fulfil the demand. Now-a-days young people use it as a protective clothing from chilly weather and dust. The demand for this product is significantly increasing. Hence, units for the manufacture of wind cheaters can be set up in different areas.

### Basis and Presumptions

This project is based on single shift basis and 300 working days in a year. The time for achieving maximum capacity utilisation is considered from 3rd year from the date on which the production is started. Building is considered of its own. Costs of machinery and equipment/material indicated refer to a particular make and approximate to those prevailing at the time of preparation of this project.

Cost of installation and electrification is taken @ 10% of cost of machinery and equipment. Non-refundable deposits, project report cost, trial production, security deposits with Electricity Board are taken as pre-operative expenses. Depreciation has been considered at 10% on plant and machinery, 20% on office furniture and fixtures and 25% on workshop accessories. Interest on capital loan has been considered at 14% per annum.

### Implementation Schedule

Implementation time for executing different types of works such as selection of site/working shed, forming of company to commissioning of project will take a total period of five months. This, however, depends upon the completion of works within specific time.

### Technical Aspects

#### Process of Manufacture

Synthetic dyed water repellent fabrics are used as raw material for this product. This fabric is cut into pieces as per the design of the product and stitched on sewing machines. Zips and cords are attached to the garment as per specifications. The individual garment is folded and packed for the buyers.

## Quality Control and Standards

No Indian standards are existing. Wind cheaters are manufactured and supplied as per the customer's choice. However, attention is required to procure good quality synthetic fabrics and other items.

## Production Capacity (per annum)

Quantity	Value (Rs.)
Wind Cheaters	75,000
<b>Total</b>	<b>75,000</b>

## Motive Power

7 HP is required to run this unit at full capacity. This is proposed to be obtained from the State Electricity Board.

## Pollution Control

This industry does not generate pollution.

## Energy Conservation

Energy can be saved by proper housekeeping.

## Financial Aspects

### Fixed Capital

Land and Building	
Land 800sq.mt. @ Rs. 1500p.s.m. Amounting Rs.1200000	
Building Area	
Factory shed	250 sq. mt.
Store (Raw material)	50 sq. mt.
Store (Finished goods)	50 sq. mt.
Office etc.	25 sq. mt.

Total Covered Area	375 sq. mt	
Total Construction Cost @ Rs. 3000/sq.mt.	1125000	
Total Investment in land and Building	2325000	

### Machinery and Equipments

Description	No.	Rate (Rs.)	Amount (Rs.)
Umbrella sewing machine with motor and other accessories	10	6000	60000
Overlock stitching machine with motor + stand	2	5800	11600
Cutting Table	1	7000	7000
Miscellaneous items tools, iron, racks etc.	LS	30000	30000
<b>Total</b>			<b>108600</b>

Other Fixed Assets	(Rs.)
Erection and installation	10860
Electrification	15000
Office furniture	50000
Pre-operative expenses	15000
<b>Total</b>	<b>90860</b>
<b>Total Fixed Capital</b>	<b>2524460</b>

### Working Capital (per month) Staff and Labour Wages

Designation	Nos.	Salary (Rs.)	Amount (Rs.)
Manager	1	15000	15000
Accountant / clerk	1	7000	7000
Peon	1	5000	5000
Production Staff			
Cutting Master	1	10000	10000
Production Supervisor	1	8000	8000

Machine Operators	12	6000	72000
Helpers	6	3000	18000
<b>Total</b>			<b>135000</b>
Perquisites @ 20%			27000
<b>G. Total</b>			<b>162000</b>

### Raw Material (per month)

Description	Qty. (mts.)	Rate (Rs.)	Amount (Rs.)
Synthetic fabric	2250	74	166500
Cotton sewing thread Elastic tape Zip etc.	LS	LS	2340
Embroidery and Stickers		LS	1150
Packing materials		LS	8000
Thickener (Kgs.) Thickener (Kgs.)	50	18	900
<b>Total</b>			<b>298890</b>

Utilities	(Rs.)
Electricity bill and Water charges	5000
<b>Total</b>	<b>5000</b>

Other Contingent Expenses (per month)	(Rs.)
Postage/stationery	2000
Repair and maintenance	1200
Transport/travelling charges	2000
Miscellaneous expenses	2000
<b>Total</b>	<b>7200</b>

Total Recurring Expenses (per month)	396700
Total Working Capital for 2 months	793400

### Total Capital Investment

Machinery and equipment	2524460
Working capital for 2 months	793400
<b>Total</b>	<b>3317860</b>

### Machinery Utilisation

Capacity utilisation is considered as 75% of installed capacity.

### Financial Analysis

Cost of Production (per year)	(Rs.)
Total recurring expenditure	4760400
Depreciation on Land & Building @ 5 %	116250
Depreciation on machinery @ 10%	10860
Depreciation on office furniture and other accessories @ 20%	10000
Interest on total investment @ 14%	464500.4
<b>Total</b>	<b>5362010.4</b>

### Turnover (per year) (Sales)

Product	Qty. (nos.)	Rate/ pc.(Rs.)	Amount (Rs.)
Wind Cheaters	75000	75	5625000
<b>Total</b>			<b>5625000</b>

Net Profit	512850
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### Net Profit Ratio

		$\frac{\text{Net Profit}}{\text{Turnover per annum}} \times 100$
		=20%

### Net Rate of Return

Net Profit	×	100
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Total Investment		=17.49

## Break-even Point

Fixed Cost	(Rs.)
Depreciation	132600
Interest	410550
40% of salary and wages	295680
40% of other contingent expenses	67200
<b>Total</b>	<b>906030</b>
B.E.P.	$\frac{\text{Fixed Cost} \times 100}{\text{Fixed Cost} + \text{Profit}} = 63.86$

## Addresses of the Machinery Suppliers

- M/s. Popular Electrical and Mechanical Works  
Chawal Bazar,  
Ludhiana.
- M/s. Matharoo Mechanical Works  
Bhaiwala Chowk,  
Ferozpur Road,  
Ludhiana.
- M/s. S.T.M. Knitting Machine Manufacturers  
Kalsi Nagar,  
G.T. Road,  
Ludhiana.

## Raw Material Suppliers

- M/s. Vardhman Spinning and General Mills Ltd.  
Chandigarh Road,  
Ludhiana.
- M/s. Sona Woollen Mills  
156, Industrial Area–A,  
Ludhiana.

- M/s. Oswal Woollen Mills Ltd.  
Industrial Area–A,  
Ludhiana.

**For further information please contact**

Information

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