



DETAILED PROJECT REPORT

CUMIN POWDER UNIT

UNDER PMFME SCHEME



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Ministry of Food Processing Industries

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1. PROJECT SUMMARY

1. Name of the proposed project	:	Cumin Powder Unit
2. Nature of proposed project	:	Proprietorship/Company/Partnership
3. Proposed project capacity	:	57000 Kg/annum(60,65,70,75&80% capacity utilization in 1 st to 5 th Year respectively)
4. Raw material	:	Cumin Seeds (Jeera)
5. Major product outputs	:	Cumin Powder
6. Total project cost	:	Rs. 15.07 Lakh
• Land development, building & Civil Construction	:	Nil
• Machinery and equipment's	:	Rs. 8.83 Lakh
• Miscellaneous Fixed Assets	:	Rs. 1.80 Lakh
• Working capital	:	Rs. 4.44 Lakh
8. Means of Finance		
• Subsidy (max 10lakhs)	:	Rs. 3.72 Lakh
• Promoter's contribution (min10%)	:	Rs. 1.50 Lakh
• Term loan	:	Rs. 5.85 Lakh
• Working Capital Requirement	:	Rs. 4.00 Lakh
9. Profit after Depreciation, Interest & Tax		
• 1 st year	:	Rs. 1.07 Lakh
• 2 nd year	:	Rs. 2.34 Lakh
• 3 rd year	:	Rs. 3.89 Lakh
• 4 th year	:	Rs. 5.32 Lakh
• 5 th year	:	Rs. 6.92 Lakh
11. Average DSCR	:	Rs. 3.60
12. Term loan repayment	:	5 Years with 6 months grace period

2. ABOUT THE PRODUCT

2.1. PRODUCT INTRODUCTION:

Cumin is one of the first minor spices known to be used by humanity. Cumin Powder is made by powdering dry roasted cumin seeds in a grinder, or ground cumin (also known as Jeera Powder). This homemade powder may seem ordinary, but it has the magical power to alter the taste of a drink or a dish completely. Cumin is derived from a flowering plant that is mainly grown in India, North Africa, and the Middle East, known as *Cuminum Cyminum*. Cumin Powder, Ground Cumin or Jeera powder, prepared from dry roasted cumin seeds, has all the quintessential cumin components and a roasted flavor that makes any cuisine in which it is used more palatable. Cumin is high in Vitamin E and has anti-aging effects as a result.

Research shows that, much like cumin essential oil, home-made cumin powder is very digestive, antiseptic, and diuretic. Not only is it good for your taste buds, but when you want to lose weight, it also benefits you. In addition, it also prevents diabetes, cancer of blood sugar, treats insomnia and is healthy for the skin as well. When the plant starts to wither, the seeds are harvested about 4 months after planting, and the seeds change from dark green to brown-yellow. They extract the entire plant from the field. The seed is small and the boat shaped along its length with nine ridges. By extracting the entire plant from the earth, the seeds are harvested.

It is a major ingredient in blended powdered spices and curry powder blends. It is an ingredient in a combination of pickles and chutney. Cumin seeds, attributable to alcohol, have an aromatic scent, cuminol. Cumin seeds' aromatic oil is also used to spice curries, wine, cordials, and is commonly used in the perfumery industry. It has medicinal properties and is used as a carminative, stomach, astringent and is effective against diarrhea and dyspepsia in many Ayurvedic and veterinary medicines. In digestive disorders such as biliousness, morning disease, indigestion, atonic dyspepsia, diarrhea, malabsorption syndrome, and flatulent colic, cumin seeds

are quite helpful. To alleviate sleeplessness, cumin is valuable. Dilute cumin water is an antiseptic drink that is very effective in common colds and fevers associated with a sore throat.

2.2. MARKET POTENTIAL:

Cumin is one of the seed spices used most widely and is used by people all over the world. After black pepper, it is the second most common spice in the world. Cumin seeds, common in Indian, Pakistani, North African, Middle Eastern, Sri Lankan, Cuban, Northern Mexican, and Sichuan and Xinjiang Western Chinese cuisines, are used as a spice for their distinctive aroma. Cumin plays a very important role in the Indian system of medicine. Cumin has been cultivated since ancient times; its original home is hard to ascertain. It is possibly native to the southern Mediterranean, the deserts of Egypt and other countries of the Arab world, and Central Asia (Turkestan). The plant is grown around the world in several parts.

Cumin is grown in Rajasthan and Gujarat in India and in some portions of M.P. U.P. as a crop of Rabi. In the year 2003-04 it contributed about 120,000 tonnes to the total output of the country and also has a maximum area under cumin cultivation (around 2250 sq. km). Gujarat is the second largest Indian producer of cumin seeds. Together, Rajasthan and Gujarat contribute about 90 percent of the country's output. India's production of cumin amounts to between 100 and 200 thousand tons per year, which makes it the world's leading producer. Its production in India is mainly concentrated in the states of Rajasthan, Gujarat and some parts of Uttar Pradesh. From street vendors to every household there is significant demand of cumin powder.

2.3. RAW MATERIAL DESCRIPTION:

Cumin Seeds (Jeera) is the only raw material required for the manufacturing of Cumin powder.

3. PROCESS FLOW CHART

The right time of cumin harvesting is very important activities in the prospect of quality of cumin powder production. Some of the processes involved in between harvesting and delivery to processing plant are;

- **Stage of harvest**

The seeds are harvested about 4 months after planting when the plant begins to wither and the seeds change from dark green to brown-yellow colour. The seeds are small and the boat is built along the long length of nine ridges. Seeds are extracted from the field by harvesting the whole plant.

- **Sun Drying**

Sun drying is a conventional drying process used to decrease the moisture content of cumin by spreading plants under the sun. Solar radiation heats up the plant as well as the surrounding air and thereby increases the amount of evaporation of water from cumin seed.

- **Threshing of seed spices**

After proper drying, the Cumin plant is taken to the threshing process. Traditionally the threshing of seed spices is performed by cumin seeds are beaten out by threshing the dried plants with sticks by stick beating. Nowadays the thresher is invented that reduced the physical losses of seeds.

These seed at this stage are collected & supplied to production plant for further processing at this stage. The essential processes involved are as follows;

- **Cleaning**

After threshing the cumin seed are taken to cleaning section where all the dirt, identical weeds seed and other foreign material are removed in this process. Cleaning is done by vibrating pre-cleaning machine.

- **Drying**

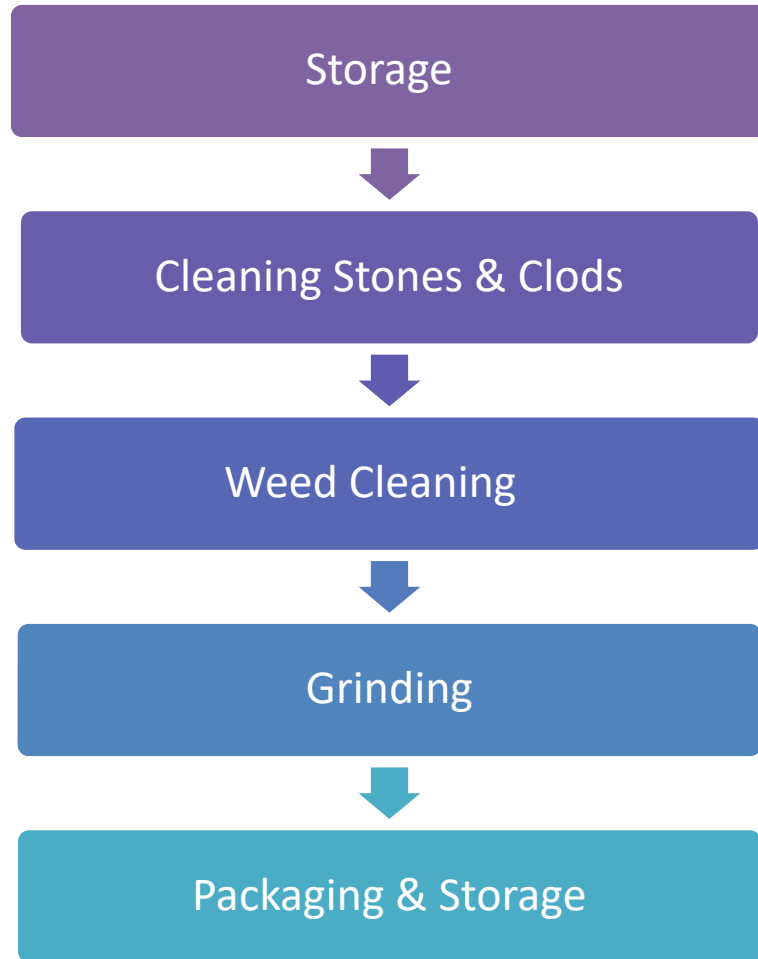
The seeds are then further dried to 10% moisture content, weather by placing on mats or trays in the sun or by using a drier if the conditions are too humid.

- **Grinding:**

The process is the final stage where the dried seeds of cumin are grounded and turned into a fine powder which is further sent for packaging.

- **Packaging:**

The finished product is next packaged and stored for supply.



4. ECONOMICS OF THE PROJECT

4.1. BASIS & PRESUMPTIONS

1. Production Capacity of Cumin Powder is 25 kg per hr. First year, Capacity has been taken @ 60%.
2. Working shift of 8 hours per day has been considered.

3. Raw Material stock is for 10 days and Finished goods Closing Stock has been taken for 10 days.
4. Credit period to Sundry Debtors has been given for 7 days.
5. Credit period by the Sundry Creditors has been provided for 7 days.
6. Depreciation and Income tax has been taken as per the Income tax Act, 1961.
7. Interest on working Capital Loan and Term loan has been taken at 11%.
8. Salary and wages rates are taken as per the Current Market Scenario.
9. Power Consumption has been taken at 9 KW.
10. Increase in sales and raw material costing has been taken @ 5% on a yearly basis.

4.2. CAPACITY, UTILIZATION, PRODUCTION & OUTPUT

<u>COMPUTATION OF PRODUCTION OF CUMIN POWDER</u>		
Items to be Manufactured		
Cumin Powder		
Machine capacity Per hour	25	Kg
Total working Hours	8	
Machine capacity Per Day	200	Kg
Working days in a month	25	Days
Working days per annum	300	
Wastage Considered	5%	
Raw material requirement	60000	Kg
Final Output per annum after wastage	57000	Kg
Final Product to be packed in 1 kg Packet		
Number of Packets per annum	57000	1 Kg Packet

Production of Cumin Powder		
Production	Capacity	KG
1st year	60%	34,200
2nd year	65%	37,050
3rd year	70%	39,900
4th year	75%	42,750
5th year	80%	45,600




Raw Material Cost			
Year	Capacity Utilisation	Rate (per Kg)	Amount (Rs. in lacs)
1st year	60%	140.00	50.40
2nd year	65%	147.00	57.33
3rd year	70%	154.00	64.68
4th year	75%	162.00	72.90
5th year	80%	170.00	81.60






COMPUTATION OF SALE					
Particulars	1st year	2nd year	3rd year	4th year	5th year
Op Stock	-	1,140	1,235	1,330	1,425
Production	34,200	37,050	39,900	42,750	45,600
Less : Closing Stock	1,140	1,235	1,330	1,425	1,520
Net Sale	33,060	36,955	39,805	42,655	45,505
Sale price per packet	240.00	252.00	265.00	278.00	292.00
Sales (in Lacs)	79.34	93.13	105.48	118.58	132.87

4.3. PREMISES/INFRASTRUCTURE

The approximate total area required for complete factory setup is 2000-2500 Sq. ft. for smooth production including storage area. It is expected that the premises will be on rental.

4.4. MACHINERY & EQUIPMENTS

Machine Name	Description	Machine Image.
Silos	These equipments are class of storage equipments which are specifically designed for dry grain raw material of small granule composition. It is used to store grains.	
De-Stoner	This machine is applied for the efficient separation of stones and metal, glass, and other high density impurities from a stream of grain.	
Vibrating Pre Cleaner	Pre-cleaner to scalp oversize impurities from seeds.	

<p>Power Grinding Machine</p>	<p>It is primarily used for food, herbs, cumin, resin, chemicals and other weak substances.</p>	
<p>Automatic Powder Filling machine</p>	<p>This machine is used for cumin powder in different volumes.</p>	
<p>Impulse Sealer</p>	<p>Impulse heat sealing is commonly used for joining thermoplastic materials such as Polyethylene and Polyurethane that require a moderate temperature to establish an effective seal.</p>	
<p>Drum Sieve</p>	<p>A quality drum sieve machine is used for removing large impurities from seed at high capacities. Careful preliminary cleaning reduces the wear and tear on the downstream equipment in the production process.</p>	 <p style="text-align: center;">Drum Sieve</p>
<p>Material handling and other Equipments</p>	<p>These Equipments are used for material handling. Other equipments like water pumps, conveyors , etc are also used.</p>	

Machine	Unit	Rate	Price
De-Stoner	1	175000	175000
Vibrating Pre Cleaner (50kg/hr)	1	80000	80000
Powder Grinding Machine(20-30 kg/hr)	1	65000	65000
Automatic Powder Filling machine	1	160000	160000
Impulse Sealer	1	18000	18000
Drum Sieve	1	35000	35000
Material handling and other equipments (Bins, trolley, conveyor, silos, etc.)	-	350000	350000

Note: Approx. Total Machinery cost shall be Rs 8.83 lakh including equipment's but excluding GST and Transportation Cost.

4.5. MISCELLANEOUS FIXED ASSETS

- Water Supply Arrangements
- Furniture & Fixtures
- Computers & Printers

4.6. TOTAL COST OF PROJECT

COST OF PROJECT	
	(in Lacs)
PARTICULARS	Amount
Land & Building	Owned/Rented
Plant & Machinery	8.83
Miscellaneous Assets	1.80
Working capital	4.44
Total	15.07

4.7. MEANS OF FINANCE

MEANS OF FINANCE	
PARTICULARS	AMOUNT
Own Contribution (min 10%)	1.50
Subsidy @35%(Max. Rs 10 Lac)	3.72
Term Loan @ 55%	5.85
Working Capital (Bank Finance)	4.00
Total	15.07

4.8. TERM LOAN: Term loan of Rs. 5.85 Lakh is required for project cost of Rs. 15.07 Lakh

4.9. TERM LOAN REPAYMENT & INTEREST SCHEDULE

REPAYMENT SCHEDULE OF TERM LOAN								
							Interest	11.00%
Year	Particulars	Amount	Addition	Total	Interest	Repayment	Closing Balance	
1st	Opening Balance							
	1st month	-	5.85	5.85	-	-	5.85	
	2nd month	5.85	-	5.85	0.05	-	5.85	
	3rd month	5.85	-	5.85	0.05	-	5.85	
	4th month	5.85	-	5.85	0.05		5.85	
	5th month	5.85	-	5.85	0.05		5.85	
	6th month	5.85	-	5.85	0.05		5.85	
	7th month	5.85	-	5.85	0.05	0.11	5.74	
	8th month	5.74	-	5.74	0.05	0.11	5.63	
	9th month	5.63	-	5.63	0.05	0.11	5.52	
	10th month	5.52	-	5.52	0.05	0.11	5.41	
	11th month	5.41	-	5.41	0.05	0.11	5.31	
	12th month	5.31	-	5.31	0.05	0.11	5.20	
					0.57	0.65		
2nd	Opening Balance							
	1st month	5.20	-	5.20	0.05	0.11	5.09	
	2nd month	5.09	-	5.09	0.05	0.11	4.98	
	3rd month	4.98	-	4.98	0.05	0.11	4.87	
	4th month	4.87	-	4.87	0.04	0.11	4.76	

PM FME- Detailed Project Report of Cumin Powder Unit

	5th month	4.76	-	4.76	0.04	0.11	4.66
	6th month	4.66	-	4.66	0.04	0.11	4.55
	7th month	4.55	-	4.55	0.04	0.11	4.44
	8th month	4.44	-	4.44	0.04	0.11	4.33
	9th month	4.33	-	4.33	0.04	0.11	4.22
	10th month	4.22	-	4.22	0.04	0.11	4.11
	11th month	4.11	-	4.11	0.04	0.11	4.01
	12th month	4.01	-	4.01	0.04	0.11	3.90
					0.51	1.30	
3rd	Opening Balance						
	1st month	3.90	-	3.90	0.04	0.11	3.79
	2nd month	3.79	-	3.79	0.03	0.11	3.68
	3rd month	3.68	-	3.68	0.03	0.11	3.57
	4th month	3.57	-	3.57	0.03	0.11	3.46
	5th month	3.46	-	3.46	0.03	0.11	3.36
	6th month	3.36	-	3.36	0.03	0.11	3.25
	7th month	3.25	-	3.25	0.03	0.11	3.14
	8th month	3.14	-	3.14	0.03	0.11	3.03
	9th month	3.03	-	3.03	0.03	0.11	2.92
	10th month	2.92	-	2.92	0.03	0.11	2.81
	11th month	2.81	-	2.81	0.03	0.11	2.71
	12th month	2.71	-	2.71	0.02	0.11	2.60
					0.36	1.30	
4th	Opening Balance						
	1st month	2.60	-		0.02	0.11	2.49

PM FME- Detailed Project Report of Cumin Powder Unit

				2.60			
2nd month	2.49	-	2.49	0.02	0.11	2.38	
3rd month	2.38	-	2.38	0.02	0.11	2.27	
4th month	2.27	-	2.27	0.02	0.11	2.17	
5th month	2.17	-	2.17	0.02	0.11	2.06	
6th month	2.06	-	2.06	0.02	0.11	1.95	
7th month	1.95	-	1.95	0.02	0.11	1.84	
8th month	1.84	-	1.84	0.02	0.11	1.73	
9th month	1.73	-	1.73	0.02	0.11	1.62	
10th month	1.62	-	1.62	0.01	0.11	1.52	
11th month	1.52	-	1.52	0.01	0.11	1.41	
12th month	1.41	-	1.41	0.01	0.11	1.30	
				0.22	1.30		
5th	Opening Balance						
1st month	1.30	-	1.30	0.01	0.11	1.19	
2nd month	1.19	-	1.19	0.01	0.11	1.08	
3rd month	1.08	-	1.08	0.01	0.11	0.97	
4th month	0.97	-	0.97	0.01	0.11	0.87	
5th month	0.87	-	0.87	0.01	0.11	0.76	
6th month	0.76	-	0.76	0.01	0.11	0.65	
7th month	0.65	-	0.65	0.01	0.11	0.54	
8th month	0.54	-	0.54	0.00	0.11	0.43	
9th month	0.43	-	0.43	0.00	0.11	0.32	
10th month	0.32	-	0.32	0.00	0.11	0.22	
11th month	0.22	-		0.00	0.11	0.11	

			0.22			
12th month	0.11	-	0.11	0.00	0.11	-
				0.08	1.30	
DOOR TO DOOR MORATORIUM PERIOD	60	MONTHS				
REPAYMENT PERIOD	6	MONTHS				
	54	MONTHS				

4.10. WORKING CAPITAL CALCULATIONS

COMPUTATION OF CLOSING STOCK & WORKING CAPITAL						(in Lacs)
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year	
Finished Goods						
	2.29	2.59	2.89	3.23	3.58	
Raw Material						
	1.68	1.91	2.16	2.43	2.72	
Closing Stock	3.97	4.50	5.05	5.66	6.30	

COMPUTATION OF WORKING CAPITAL REQUIREMENT						
TRADITIONAL METHOD						(in Lacs)
Particulars	Amount	Own Margin		Bank Finance		
Finished Goods & Raw Material	3.97					
Less : Creditors	1.18					
Paid stock	2.79	10%	0.28	90%	2.52	
Sundry Debtors	1.85	10%	0.19	90%	1.67	
	4.65		0.46		4.18	
MPBF					4.18	
WORKING CAPITAL LIMIT DEMAND (from Bank)					4.00	
Working Capital Margin					0.44	

4.11. SALARY & WAGES

<u>BREAK UP OF LABOUR CHARGES</u>			
Particulars	Wages Rs. per Month	No of Employees	Total Salary
Plant Operator	15,000	1	15,000
Supervisor	20,000	1	20,000
Skilled (in thousand rupees)	12,000	2	24,000
Unskilled (in thousand rupees)	8,500	3	25,500
Total salary per month			84,500
Total annual labour charges	(in lacs)		10.14

<u>BREAK UP OF STAFF SALARY CHARGES</u>			
Particulars	Salary Rs. per Month	No of Employees	Total Salary
Administrative Staff	6,000	2	12,000
Manager	20,000	1	20,000
Accountant	15,000	1	15,000
Total salary per month			47,000
Total annual Staff charges	(in lacs)		5.64

4.12 POWER REQUIREMENT

Utility Charges (per month)		
Particulars	value	Description
Power connection required		9 KWH
consumption per day		72 units
Consumption per month	1,800 units	
Rate per Unit	10 Rs.	
power Bill per month	18,000 Rs.	

4.13. DEPRECIATION CALCULATION

COMPUTATION OF DEPRECIATION				(in Lacs)
Description	Plant & Machinery	Miss. Assets	TOTAL	
Rate of Depreciation	15.00%	10.00%		
Opening Balance	-	-		-
Addition	8.83	1.80		10.63
Total	8.83	1.80		10.63
Less : Depreciation	1.32	0.18		1.50
WDV at end of Year	7.51	1.62		9.13
Additions During The Year	-	-		-
Total	7.51	1.62		9.13
Less : Depreciation	1.13	0.16		1.29
WDV at end of Year	6.38	1.46		7.84
Additions During The Year	-	-		-
Total	6.38	1.46		7.84
Less : Depreciation	0.96	0.15		1.10
WDV at end of Year	5.42	1.31		6.73
Additions During The Year	-	-		-
Total	5.42	1.31		6.73
Less : Depreciation	0.81	0.13		0.94
WDV at end of Year	4.61	1.18		5.79
Additions During The Year	-	-		-
Total	4.61	1.18		5.79
Less : Depreciation	0.69	0.12		0.81
WDV at end of Year	3.92	1.06		4.98

4.14. REPAIR & MAINTENANCE: Repair & Maintenance is 3.0% of Gross Sale.

4.15. PROJECTIONS OF PROFITABILITY ANALYSIS

<u>PROJECTED PROFITABILITY STATEMENT</u>						(in Lacs)
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year	
Capacity Utilisation %	60%	65%	70%	75%	80%	
<u>SALES</u>						
Gross Sale						
Cumin Powder	79.34	93.13	105.48	118.58	132.87	
Total	79.34	93.13	105.48	118.58	132.87	
<u>COST OF SALES</u>						
Raw Material Consumed	50.40	57.33	64.68	72.90	81.60	
Electricity Expenses	2.16	2.48	2.86	3.29	3.61	
Depreciation	1.50	1.29	1.10	0.94	0.81	
Wages & labour	10.14	11.15	12.27	13.13	14.18	
Repair & maintenance	2.38	2.79	3.16	3.56	3.99	
Packaging	2.14	2.51	2.64	2.96	3.32	
Cost of Production	68.73	77.56	86.71	96.78	107.51	
Add: Opening Stock /WIP	-	2.29	2.59	2.89	3.23	
Less: Closing Stock /WIP	2.29	2.59	2.89	3.23	3.58	
Cost of Sales	66.44	77.27	86.41	96.44	107.15	
GROSS PROFIT	12.91	15.86	19.08	22.14	25.72	
	16.27%	17.03%	18.09%	18.67%	19.36%	
Salary to Staff	5.64	6.66	7.92	8.71	9.58	
Interest on Term Loan	0.57	0.51	0.36	0.22	0.08	
Interest on working Capital	0.44	0.44	0.44	0.44	0.44	
Rent	3.60	3.96	4.36	4.79	5.27	
selling & adm exp	1.59	1.96	2.11	2.42	2.79	
TOTAL	11.84	13.52	15.19	16.58	18.16	
NET PROFIT	1.07	2.34	3.89	5.55	7.56	
	1.34%	2.51%	3.69%	4.68%	5.69%	
Taxation	-	-	-	0.24	0.64	
PROFIT (After Tax)	1.07	2.34	3.89	5.32	6.92	

4.16. BREAK EVEN POINT ANALYSIS

BREAK EVEN POINT ANALYSIS					
Year	I	II	III	IV	V
Net Sales & Other Income	79.34	93.13	105.48	118.58	132.87
Less : Op. WIP Goods	-	2.29	2.59	2.89	3.23
Add : Cl. WIP Goods	2.29	2.59	2.89	3.23	3.58
Total Sales	81.63	93.42	105.79	118.92	133.23
Variable & Semi Variable Exp.					
Raw Material Consumed	50.40	57.33	64.68	72.90	81.60
Electricity Exp/Coal Consumption at 85%	1.84	2.11	2.43	2.79	3.07
Wages & Salary at 60%	9.47	10.69	12.11	13.10	14.26
Selling & administrative Expenses 80%	1.27	1.56	1.69	1.94	2.23
Interest on working Capital	0.44	0.44	0.44	0.44	0.44
Repair & maintenance	2.38	2.79	3.16	3.56	3.99
Packaging	2.14	2.51	2.64	2.96	3.32
Total Variable & Semi Variable Exp	67.94	77.44	87.15	97.69	108.91
Contribution	13.70	15.98	18.64	21.22	24.32
Fixed & Semi Fixed Expenses					
Electricity Exp/Coal Consumption at 15%	0.32	0.37	0.43	0.49	0.54
Wages & Salary at 40%	6.31	7.12	8.08	8.74	9.50
Interest on Term Loan	0.57	0.51	0.36	0.22	0.08
Depreciation	1.50	1.29	1.10	0.94	0.81
Selling & administrative Expenses 20%	0.32	0.39	0.42	0.48	0.56
Rent	3.60	3.96	4.36	4.79	5.27
Total Fixed Expenses	12.63	13.64	14.75	15.67	16.76
Capacity Utilization	60%	65%	70%	75%	80%
OPERATING PROFIT	1.07	2.34	3.89	5.55	7.56
BREAK EVEN POINT	55%	55%	55%	55%	55%
BREAK EVEN SALES	75.28	79.74	83.71	87.80	91.82

4.17. PROJECTED BALANCE SHEET

<u>PROJECTED BALANCE SHEET</u>						(in Lacs)
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year	
<u>Liabilities</u>						
Capital						
opening balance		4.78	5.52	6.41	7.73	
Add:- Own Capital	1.50					
Add:- Retained Profit	1.07	2.34	3.89	5.32	6.92	
Less:- Drawings	1.50	1.60	3.00	4.00	5.00	
Subsidy/grant	3.72					
Closing Balance	4.78	5.52	6.41	7.73	9.66	
Term Loan	5.20	3.90	2.60	1.30	-	
Working Capital Limit	4.00	4.00	4.00	4.00	4.00	
Sundry Creditors	1.18	1.34	1.51	1.70	1.90	
Provisions & Other Liab	0.40	0.50	0.60	0.72	0.86	
TOTAL :	15.56	15.26	15.12	15.45	16.42	
<u>Assets</u>						
Fixed Assets (Gross)	10.63	10.63	10.63	10.63	10.63	
Gross Dep.	1.50	2.79	3.90	4.84	5.65	
Net Fixed Assets	9.13	7.84	6.73	5.79	4.98	
Current Assets						
Sundry Debtors	1.85	2.17	2.46	2.77	3.10	
Stock in Hand	3.97	4.50	5.05	5.66	6.30	
Cash and Bank	0.61	0.75	0.88	1.24	2.04	
TOTAL :	15.56	15.26	15.12	15.45	16.42	

4.18. CASH FLOW STATEMENT

<u>PROJECTED CASH FLOW STATEMENT</u>					
(in Lacs)					
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
<u>SOURCES OF FUND</u>					
Own Margin	1.50				
Net Profit	1.07	2.34	3.89	5.55	7.56
Depriciation & Exp. W/off	1.50	1.29	1.10	0.94	0.81
Increase in Cash Credit	4.00	-	-	-	-
Increase In Term Loan	5.85	-	-	-	-
Increase in Creditors	1.18	0.16	0.17	0.19	0.20
Increase in Provisions & Oth lib	0.40	0.10	0.10	0.12	0.14
Sunsidy/grant	3.72				
TOTAL :	19.21	3.89	5.26	6.81	8.72
<u>APPLICATION OF FUND</u>					
Increase in Fixed Assets	10.63				
Increase in Stock	3.97	0.53	0.55	0.61	0.65
Increase in Debtors	1.85	0.32	0.29	0.31	0.33
Repayment of Term Loan	0.65	1.30	1.30	1.30	1.30
Drawings	1.50	1.60	3.00	4.00	5.00
Taxation	-	-	-	0.24	0.64
TOTAL :	18.60	3.75	5.14	6.45	7.92
Opening Cash & Bank Balance	-	0.61	0.75	0.88	1.24
Add : Surplus	0.61	0.14	0.13	0.36	0.80
Closing Cash & Bank Balance	0.61	0.75	0.88	1.24	2.04

4.19. DEBT SERVICE COVERAGE RATIO

<u>CALCULATION OF D.S.C.R</u>					
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
CASH ACCRUALS	2.57	3.63	4.99	6.26	7.73
Interest on Term Loan	0.57	0.51	0.36	0.22	0.08
Total	3.15	4.13	5.36	6.48	7.81
<u>REPAYMENT</u>					
Instalment of Term Loan	0.65	1.30	1.30	1.30	1.30
Interest on Term Loan	0.57	0.51	0.36	0.22	0.08
Total	1.22	1.81	1.66	1.52	1.38
DEBT SERVICE COVERAGE RATIO	2.57	2.29	3.22	4.27	5.67
AVERAGE D.S.C.R.	3.60				