



DETAILED PROJECT REPORT
HONEY PROCESSING BUSINESS
UNDER PMFME SCHEME



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Ministry of Food Processing Industries

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PM FME- Detailed Project Report of Honey Processing Business
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1. PROJECT SUMMARY

1. Name of the proposed project	:	Honey Processing Business
2. Nature of proposed project	:	Proprietorship/Company/Partnership
3. Proposed project capacity	:	176640 Kg/annum(55,58,60,60,&62% capacity utilization in 1 st to 5 th Year respectively)
4. Raw materials	:	Honey
5. Major product outputs	:	Honey
6. Total project cost	:	Rs.20.56 Lakh
• Land development, building & Civil Construction	:	Nil
• Machinery and equipment's	:	Rs.8.36 Lakh
• Miscellaneous Fixed Assets	:	Rs.2.20 Lakh
• Working capital	:	Rs.10.00 Lakh
8. Means of Finance		
• Subsidy (max 10lakhs)	:	Rs.3.70 Lakh
• Promoter's contribution (min10%)	:	Rs.2.05 Lakh
• Term loan	:	Rs.5.81 Lakh
• Working Capital Requirement	:	Rs.9.00 Lakh
9. Profit after Depreciation, Interest & Tax		
• 1 st year	:	Rs.1.07 Lakh
• 2 nd year	:	Rs.2.73 Lakh
• 3 rd year	:	Rs.4.33 Lakh
• 4 th year	:	Rs.5.04 Lakh
• 5th year	:	Rs.5.82 Lakh
11. Average DSCR	:	3.51
12. Term loan repayment	:	5 Years with 6 months grace period

2. ABOUT THE PRODUCT

2.1. PRODUCT INTRODUCTION:

Honey means the natural sweet substance produced by honey bees from the nectar of blossoms or from secretions of plants which honey bees collect, transform store in honey combs for ripening. It shall be free from any foreign matter such as mould, dirt, scum, pieces of beeswax, the fragments of bees and other insects and from any other extraneous matter.

Honey is among the most popular and widely used sweetener with enormous health benefits. It is used by several cultures around the world serving as a base for many traditional medicines, especially in Ayurveda. It is used in strengthens immune system, preparing cosmetic products, health tonic and food processing industries for preparing different types of drinks, bakery products, sweets etc. Beekeeping is an ideal activity for development as a subsidiary occupation providing supplementary income. Beekeeping is feasible in areas where adequate bee flora available for a minimum period of 6 months.

Honey produced by Indian hive bees is collected by modern extractor. The extracted honey contains hemophilic yeasts, which causes fermentation and destroy the quality of honey. To maintain the qualitative and quantitative value of honey the processing in modern Honey Processing plant is essential

2.2 MARKET POTENTIAL:

Honey is a major consumable in the international market both as a food item as well as in industries such as Pharmaceuticals, Cosmetics and Confectionary. The demand is especially high for refined, high quality honey free pesticides, insecticides and other agrochemicals.

In the domestic market very little amount of honey is use for personal consumption, while majority is utilized by the pharmaceutical and confectionary industry. With changing life style and increasing health consciousness, honey is been increasing consumes as health food. This is likely to drive the domestic demand in future.

As per the information available from Agricultural & Processed Food Products Export Development Authority, India has exported 51547.31 MT of Natural Honey to the world for the worth of Rs. 653.58 crore/ 101.32 USD Million during the year of 2017-18 and the Major Export Destinations (2017-18) are USA, Saudi Arab, U Arab Emts, Canada and Qatar.

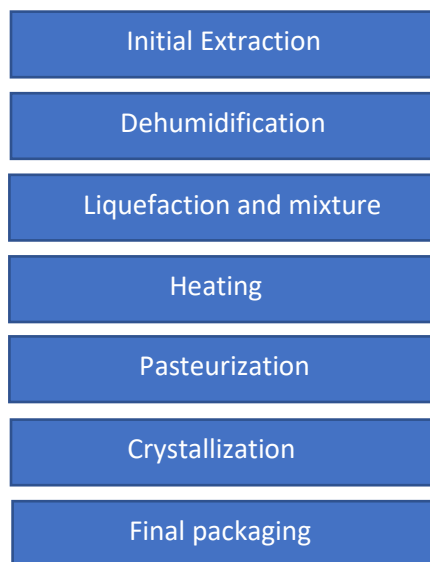
2.3 RAW MATERIAL DESCRIPTION:

Only honey and basic packing material (bottle, lids and labels) are required for raw material.

3. PROCESS FLOW CHART

The industry of honey is not a simple sequential chain of processing operations, although the normal consumer may consider it in this way, at first sight. It should be noted that each processing step, from the initial extraction to the packaging of the final food product, is the answer to peculiar problems concerning the physicochemical and biological features of different honeys.

In general, the following integrated steps are given below:

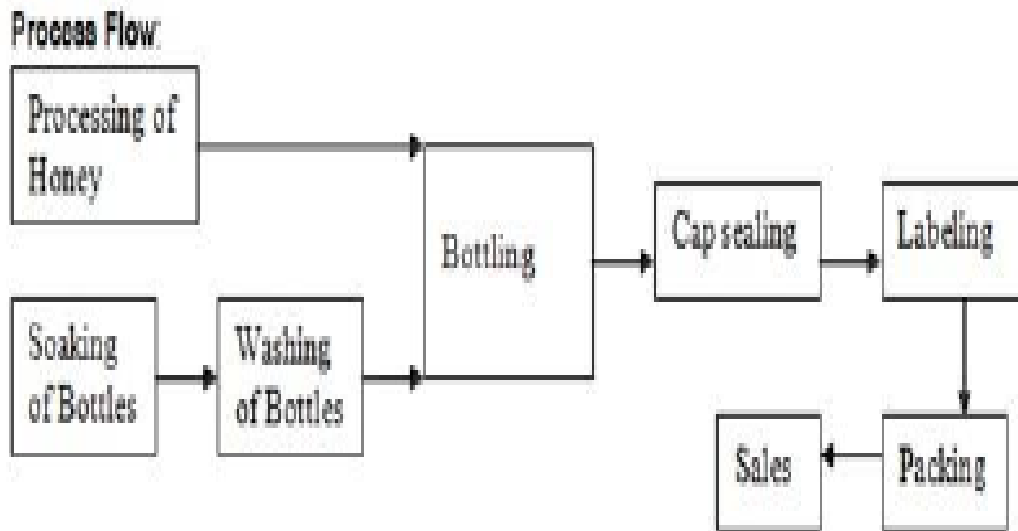


After the initial harvest, the material (e.g. honeycombs, frames) is introduced into the so-called honey extractor: a container able to remove honey by means of the centrifugal force. The operation has to be carried out into special rooms, with possibility of heating. At the exit from the extractor, the honey is (a) collected by gravity in tanks placed often on the floor (wax is separated from honey) and (b) sent to the decanters with the aid of pumps from the same floor. The extraction must be performed by a desired degree of purification with the aim of eliminating wax particles and air bubbles, which are possibly mixed with honey during extraction.

The purification is carried out with two different techniques: decanting and filtration. By the safety viewpoint, it should also be considered that extraction procedure (with the collection and other processing steps) may affect negatively the quality of produced honeys, with special reference to honey for medical purposes. Consequently, physicochemical and microbiological features of the final product can be assured on condition that a certain number of precautionary measures are taken before the final commercialization.

The processed honey is immediately bottled in clean wide mouthed bottles. It is then sealed by PP Caps. Bottles are wiped dry and labelled. Filled, sealed & labeled bottles are then packed in labeled cardboard boxes.

FLOW CHART OF GROUNDNUT OIL MANUFACTURING PROCESS



4. ECONOMICS OF THE PROJECT

4.1. BASIS & PRESUMPTIONS

1. Production Capacity of Honey is 80 Kg per hour. First year, Capacity has been taken @ 55%.
2. Working shift of 8 hours per day has been considered.
3. Raw Material stock is for 07 days and Finished goods Closing Stock has been taken for 10 days.
4. Credit period to Sundry Debtors has been given for 06 days.
5. Credit period by the Sundry Creditors has been provided for 10 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 25 KW.
10. Increase in sales and raw material costing has been taken @ 5% on a yearly basis.

4.2. CAPACITY, UTILIZATION, PRODUCTION & OUTPUT

COMPUTATION OF PRODUCTION OF HONEY

Items to be Manufactured

Honey

Machine capacity Per hour	80	Kg
Total working Hours	8	
Machine capacity Per Day	640	Kg
Working days in a month	25	Days
Working days per annum	300	
Wastage Considered	8%	
Raw material requirement	192000	Kg
Final Output per annum after wastage	176640	Kg
Final Product to be packed in 1 kg Packet		
Number of Packets per annum	176640	Kg

Production of Honey

Production	Capacity	KG
1st year	55%	97,152
2nd year	58%	1,02,451
3rd year	60%	1,05,984
4th year	60%	1,05,984
5th year	62%	1,09,517

Raw Material Cost			
Year	Capacity Utilisation	Rate (per Kg)	Amount (Rs. in lacs)
1st year	55%	178.00	187.97
2nd year	58%	187.00	208.24
3rd year	60%	196.00	225.79
4th year	60%	206.00	237.31
5th year	62%	216.00	257.13

<u>COMPUTATION OF SALE</u>					
Particulars	1st year	2nd year	3rd year	4th year	5th year
Op Stock	-	3,238	3,415	3,533	3,533
Production	97,152	1,02,451	1,05,984	1,05,984	1,09,517
Less : Closing Stock	3,238	3,415	3,533	3,533	3,651
Net Sale	93,914	1,02,275	1,05,866	1,05,984	1,09,399
sale price per packet	250.00	263.00	276.00	290.00	305.00
Sales (in Lacs)	234.78	268.98	292.19	307.35	333.67





4.3. PREMISES/INFRASTRUCTURE

The approximate total area required for complete factory setup is 3000-4000 Sq. ft. for smooth production including storage area. It is expected that the premises will be on rental.

4.4. MACHINERY & EQUIPMENTS

<p>Water Treatment unit</p>	<p>Water treatment plant and system operators run the equipment, control the processes, and monitor the plants that treat water to make it safe to drink.</p>	
<p>Boiler</p>	<p>It's a steam generating equipment which along with its accompanying systems generates & delivers steam at required temperature & pressure.</p>	
<p>S.S. Tank</p>	<p>It's a stainless-steel tank used to store given liquid & particulate solid.</p>	
<p>Jacketed Storage Tank Inner</p>	<p>a jacketed vessel is a container that is designed for controlling temperature of its contents, by using a cooling or heating "jacket" around the vessel through which a cooling or heating fluid is circulated.</p>	

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<p>Semi-Automatic Single Head Machine</p>	<p>To fill viscous products, I Premade Pouches/Jars/Containers with piston operated filling system. Model able single filling station machine with adjustable tray. Feeding System: Volumetric Piston Operated filling system Production Speed: 8 to 20 fill/min (depends on materials) Filling Range: +/- 2-3 gms No. of filling counter: Adjustable screw system AirCompressor-3.0 HP</p>	
<p>Bottling plant (including bottle washer, filter, crown corking m/c & sterilizer)</p>	<p>This is an entire system of machines used to wash, dry, fill, cap, sterilize & package bottles.</p>	
<p>Testing equipment</p>	<p>There are different equipment's used to test quality of final product like lactometer, gravity meter etc.</p>	
<p>Weighing balance</p>	<p>It's a simple weight measuring device use to determine weight of given object using standard weights.</p>	

Machine	Unit	Rate	Price
Water Treatment unit (inlet 60 LPH)	1	1,50,000	1,50,000

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Boiler (80 kg/hr)	1	80,000	80,000
S.S. Tank (Capacity - 250 Liters)	1	10,000	10,000
Jacketed Storage Tank Inner (250 Liters)	1	45,600	45,600
Semi-Automatic Single Head Machine (20 Bottles per Minute)	1	1,20,000	1,20,000
Bottling plant (including bottle washer, filter, crown corking m/c & sterilizer (40 Bottles per Minute)	1	3,00,000	3,00,000
Testing equipment	2	60,000	120,000
Weighing balance (100 kg)	1	10,000	10,000

Note: Cost of the machinery is approx. Rs.8.36 Lakhs excluding GST and other transportation cost.

4.5. MISCELLANEOUS FIXED ASSETS

- Electricity connection
- Other equipment's & fixture

4.6. TOTAL COST OF PROJECT

COST OF PROJECT	
	(in Lacs)
PARTICULARS	Amount
Land & Building	Owned/Rented
Plant & Machinery	8.36
Miscellaneous Assets	2.20
Working capital	10.00
Total	20.56

4.7. MEANS OF FINANCE

MEANS OF FINANCE	
PARTICULARS	AMOUNT
Own Contribution (min 10%)	2.05
Subsidy @35%(Max. Rs 10 Lac)	3.70
Term Loan @ 55%	5.81
Working Capital (Bank Finance)	9.00
Total	20.56

4.8. TERM LOAN: Term loan of Rs.5.81 Lakh is required for project cost of Rs.20.56 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	-	5.81	5.81	-	-	5.81	
	2nd month	5.81	-	5.81	0.05	-	5.81	
	3rd month	5.81	-	5.81	0.05	-	5.81	
	4th month	5.81	-	5.81	0.05		5.81	
	5th month	5.81	-	5.81	0.05		5.81	
	6th month	5.81	-	5.81	0.05		5.81	
	7th month	5.81	-	5.81	0.05	0.11	5.70	
	8th month	5.70	-	5.70	0.05	0.11	5.59	
	9th month	5.59	-	5.59	0.05	0.11	5.49	
	10th month	5.49	-	5.49	0.05	0.11	5.38	
	11th month	5.38	-	5.38	0.05	0.11	5.27	
	12th month	5.27	-	5.27	0.05	0.11	5.16	
					0.57	0.65		
2nd	Opening Balance							
	1st month	5.16	-	5.16	0.05	0.11	5.06	
	2nd month	5.06	-	5.06	0.05	0.11	4.95	
	3rd month	4.95	-	4.95	0.05	0.11	4.84	
	4th month	4.84	-	4.84	0.04	0.11	4.73	
	5th month	4.73	-	4.73	0.04	0.11	4.62	

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6th month	4.62	-	4.62	0.04	0.11	4.52
7th month	4.52	-	4.52	0.04	0.11	4.41
8th month	4.41	-	4.41	0.04	0.11	4.30
9th month	4.30	-	4.30	0.04	0.11	4.19
10th month	4.19	-	4.19	0.04	0.11	4.09
11th month	4.09	-	4.09	0.04	0.11	3.98
12th month	3.98	-	3.98	0.04	0.11	3.87
				0.50	1.29	
3rd	Opening Balance					
1st month	3.87	-	3.87	0.04	0.11	3.76
2nd month	3.76	-	3.76	0.03	0.11	3.66
3rd month	3.66	-	3.66	0.03	0.11	3.55
4th month	3.55	-	3.55	0.03	0.11	3.44
5th month	3.44	-	3.44	0.03	0.11	3.33
6th month	3.33	-	3.33	0.03	0.11	3.23
7th month	3.23	-	3.23	0.03	0.11	3.12
8th month	3.12	-	3.12	0.03	0.11	3.01
9th month	3.01	-	3.01	0.03	0.11	2.90
10th month	2.90	-	2.90	0.03	0.11	2.80
11th month	2.80	-	2.80	0.03	0.11	2.69
12th month	2.69	-	2.69	0.02	0.11	2.58
				0.36	1.29	
4th	Opening Balance					
1st month	2.58	-	2.58	0.02	0.11	2.47
2nd month	2.47	-	2.47	0.02	0.11	2.37

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3rd month	2.37	-	2.37	0.02	0.11	2.26
4th month	2.26	-	2.26	0.02	0.11	2.15
5th month	2.15	-	2.15	0.02	0.11	2.04
6th month	2.04	-	2.04	0.02	0.11	1.94
7th month	1.94	-	1.94	0.02	0.11	1.83
8th month	1.83	-	1.83	0.02	0.11	1.72
9th month	1.72	-	1.72	0.02	0.11	1.61
10th month	1.61	-	1.61	0.01	0.11	1.51
11th month	1.51	-	1.51	0.01	0.11	1.40
12th month	1.40	-	1.40	0.01	0.11	1.29
				0.22	1.29	
5th	Opening Balance					
1st month	1.29	-	1.29	0.01	0.11	1.18
2nd month	1.18	-	1.18	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	0.86
5th month	0.86	-	0.86	0.01	0.11	0.75
6th month	0.75	-	0.75	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	-	0.22	0.00	0.11	0.11
12th month	0.11	-	0.11	0.00	0.11	-
				0.08	1.29	

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					
	7.45	8.27	8.94	9.38	10.19
Raw Material					
	4.39	4.86	5.27	5.54	6.00
Closing Stock	11.84	13.13	14.21	14.92	16.19

COMPUTATION OF WORKING CAPITAL REQUIREMENT					
TRADITIONAL METHOD					(in Lacs)
Particulars	Amount	Own Margin		Bank Finance	
Finished Goods & Raw Material	11.84				
Less : Creditors	6.27				
Paid stock	5.57	10%	0.56	90%	5.01
Sundry Debtors	4.70	10%	0.47	90%	4.23
	10.27		1.03		9.24
MPBF					9.24
WORKING CAPITAL LIMIT DEMAND (from Bank)					9.00
Working Capital Margin					1.00

4.11. SALARY & WAGES

<u>BREAK UP OF LABOUR CHARGES</u>			
Particulars	Wages Rs. per Month	No of Employees	Total Salary
Plant Operator	10,000	1	10,000
Skilled (in thousand rupees)	12,000	3	36,000
Unskilled (in thousand rupees)	6,000	2	12,000
Total salary per month			58,000
Total annual labour charges	(in lacs)		6.96

<u>BREAK UP OF STAFF SALARY CHARGES</u>			
Particulars	Salary Rs. per Month	No of Employees	Total Salary
Helper	7,500	1	7,500
Manger	20,000	1	20,000
Accountant	15,000	1	15,000
Total salary per month			42,500
Total annual Staff charges	(in lacs)		5.10

4.12 POWER REQUIREMENT

Utility Charges (per month)		
Particulars	value	Description
Power connection required	25	KWH
consumption per day	200	units
Consumption per month	5,000	units
Rate per Unit	10	Rs.
power Bill per month	50,000	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	8.36	2.20	10.56
Total	8.36	2.20	10.56
Less : Depreciation	1.25	0.22	1.47
WDV at end of Year	7.11	1.98	9.09
Additions During The Year	-	-	-
Total	7.11	1.98	9.09
Less : Depreciation	1.07	0.20	1.26
WDV at end of Year	6.04	1.78	7.82
Additions During The Year	-	-	-
Total	6.04	1.78	7.82
Less : Depreciation	0.91	0.18	1.08
WDV at end of Year	5.13	1.60	6.74
Additions During The Year	-	-	-
Total	5.13	1.60	6.74
Less : Depreciation	0.77	0.16	0.93
WDV at end of Year	4.36	1.44	5.81
Additions During The Year	-	-	-
Total	4.36	1.44	5.81
Less : Depreciation	0.65	0.14	0.80
WDV at end of Year	3.71	1.30	5.01

4.14. REPAIR & MAINTENANCE: Repair & Maintenance is 2.5% 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 %	55%	58%	60%	60%	62%
<u>SALES</u>					
Gross Sale					
Honey	234.78	268.98	292.19	307.35	333.67
Total	234.78	268.98	292.19	307.35	333.67
<u>COST OF SALES</u>					
Raw Material Consumed	187.97	208.24	225.79	237.31	257.13
Electricity Expenses	6.00	6.90	7.94	9.13	10.04
Depreciation	1.47	1.26	1.08	0.93	0.80
Wages & labour	6.96	8.35	10.02	12.03	13.83
Repair & maintenance	5.87	6.72	7.30	7.68	8.34
Packaging	15.26	16.68	16.07	14.45	15.68
Cost of Production	223.53	248.16	268.21	281.52	305.82
Add: Opening Stock /WIP	-	7.45	8.27	8.94	9.38
Less: Closing Stock /WIP	7.45	8.27	8.94	9.38	10.19
Cost of Sales	216.08	247.34	267.54	281.08	305.01
GROSS PROFIT	18.70	21.64	24.65	26.27	28.66
	7.97%	8.05%	8.44%	8.55%	8.59%
Salary to Staff	5.10	5.92	7.22	8.30	9.13
Interest on Term Loan	0.57	0.50	0.36	0.22	0.08
Interest on working Capital	0.99	0.99	0.99	0.99	0.99
Rent	3.60	3.96	4.36	4.79	5.27
selling & adm exp	7.37	7.53	7.30	6.76	7.01
TOTAL	17.63	18.90	20.23	21.06	22.47
NET PROFIT	1.07	2.74	4.42	5.21	6.18
	0.46%	1.02%	1.51%	1.70%	1.85%
Taxation	-	0.01	0.10	0.17	0.36
PROFIT (After Tax)	1.07	2.73	4.33	5.04	5.82

4.16. BREAK EVEN POINT ANALYSIS

BREAK EVEN POINT ANALYSIS					
Year	I	II	III	IV	V
Net Sales & Other Income	234.78	268.98	292.19	307.35	333.67
Less : Op. WIP Goods	-	7.45	8.27	8.94	9.38
Add : Cl. WIP Goods	7.45	8.27	8.94	9.38	10.19
Total Sales	242.24	269.80	292.86	307.80	334.48
Variable & Semi Variable Exp.					
Raw Material Consumed	187.97	208.24	225.79	237.31	257.13
Electricity Exp/Coal Consumption at 85%	5.10	5.87	6.74	7.76	8.53
Wages & Salary at 60%	7.24	8.56	10.34	12.20	13.78
Selling & administrative Expenses 80%	5.90	6.03	5.84	5.41	5.61
Interest on working Capital	0.99	0.99	0.99	0.99	0.99
Repair & maintenance	5.87	6.72	7.30	7.68	8.34
Packaging	15.26	16.68	16.07	14.45	15.68
Total Variable & Semi Variable Exp	228.32	253.09	273.09	285.79	310.05
Contribution	13.91	16.72	19.77	22.00	24.42
Fixed & Semi Fixed Expenses					
Electricity Exp/Coal Consumption at 15%	0.90	1.04	1.19	1.37	1.51
Wages & Salary at 40%	4.82	5.71	6.90	8.13	9.18
Interest on Term Loan	0.57	0.50	0.36	0.22	0.08
Depreciation	1.47	1.26	1.08	0.93	0.80
Selling & administrative Expenses 20%	1.47	1.51	1.46	1.35	1.40
Rent	3.60	3.96	4.36	4.79	5.27
Total Fixed Expenses	12.84	13.98	15.35	16.79	18.24
Capacity Utilization	55%	58%	60%	60%	62%
OPERATING PROFIT	1.07	2.74	4.42	5.21	6.18
BREAK EVEN POINT	51%	48%	47%	46%	46%
BREAK EVEN SALES	223.61	225.55	227.37	234.90	249.78

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		6.81	9.04	12.37	15.41	
Add:- Own Capital	2.05					
Add:- Retained Profit	1.07	2.73	4.33	5.04	5.82	
Less:- Drawings	-	0.50	1.00	2.00	3.00	
Subsidy/grant	3.70					
Closing Balance	6.81	9.04	12.37	15.41	18.23	
Term Loan	5.16	3.87	2.58	1.29	-	
Working Capital Limit	9.00	9.00	9.00	9.00	9.00	
Sundry Creditors	6.27	6.94	7.53	7.91	8.57	
Provisions & Other Liab	0.40	0.50	0.60	0.72	0.86	
TOTAL :	27.64	29.35	32.07	34.33	36.67	
<u>Assets</u>						
Fixed Assets (Gross)	10.56	10.56	10.56	10.56	10.56	
Gross Dep.	1.47	2.74	3.82	4.75	5.55	
Net Fixed Assets	9.09	7.82	6.74	5.81	5.01	
Current Assets						
Sundry Debtors	4.70	5.38	5.84	6.15	6.67	
Stock in Hand	11.84	13.13	14.21	14.92	16.19	
Cash and Bank	2.02	3.02	5.28	7.46	8.79	
TOTAL :	27.64	29.35	32.07	34.33	36.67	

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	2.05				
Net Profit	1.07	2.74	4.42	5.21	6.18
Depriciation & Exp. W/off	1.47	1.26	1.08	0.93	0.80
Increase in Cash Credit	9.00	-	-	-	-
Increase In Term Loan	5.81	-	-	-	-
Increase in Creditors	6.27	0.68	0.58	0.38	0.66
Increase in Provisions & Oth lib	0.40	0.10	0.10	0.12	0.14
Sunsidy/grant	3.70				
TOTAL :	29.76	4.78	6.19	6.65	7.79
<u>APPLICATION OF FUND</u>					
Increase in Fixed Assets	10.56				
Increase in Stock	11.84	1.29	1.08	0.71	1.27
Increase in Debtors	4.70	0.68	0.46	0.30	0.53
Repayment of Term Loan	0.65	1.29	1.29	1.29	1.29
Drawings	-	0.50	1.00	2.00	3.00
Taxation	-	0.01	0.10	0.17	0.36
TOTAL :	27.74	3.78	3.93	4.47	6.45
Opening Cash & Bank Balance	-	2.02	3.02	5.28	7.46
Add : Surplus	2.02	1.00	2.26	2.17	1.34
Closing Cash & Bank Balance	2.02	3.02	5.28	7.46	8.79

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	2.54	3.99	5.41	5.97	6.62
Interest on Term Loan	0.57	0.50	0.36	0.22	0.08
Total	3.11	4.50	5.77	6.19	6.70
<u>REPAYMENT</u>					
Instalment of Term Loan	0.65	1.29	1.29	1.29	1.29
Interest on Term Loan	0.57	0.50	0.36	0.22	0.08
Total	1.22	1.79	1.65	1.51	1.37
DEBT SERVICE COVERAGE RATIO	2.56	2.51	3.49	4.10	4.90
AVERAGE D.S.C.R.	3.51				