



DETAILED PROJECT REPORT

KHOLAR(RAJMA) PROCESSING UNIT

UNDER PMFME SCHEME



National Institute of Food Technology Entrepreneurship and Management

Ministry of Food Processing Industries

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1. PROJECT SUMMARY

1. Name of the proposed project	:	Kholar (Rajma) Processing Unit
2. Nature of proposed project	:	Proprietorship/Company/Partnership
3. Proposed project capacity	:	648000 Kg/annum (30,35,40,45&50% capacity utilization in 1 st to 5 th Year respectively)
4. Raw material	:	Harvested Kidney Beans.
5. Major product outputs	:	Kholar (Rajma)
6. Total project cost	:	Rs. 29.59 Lakh
• Land development, building & Civil Construction	:	Nil
• Machinery and equipment's	:	Rs. 18.85 Lakh
• Miscellaneous Fixed Assets	:	Rs. 3.50 Lakh
• Working capital	:	Rs. 7.24 Lakh
8. Means of Finance		
• Subsidy (max 10lakhs)	:	Rs. 7.82 Lakh
• Promoter's contribution (min10%)	:	Rs. 2.95 Lakh
• Term loan	:	Rs. 12.29 Lakh
• Working Capital Requirement	:	Rs. 6.51 Lakh
9. Profit after Depreciation, Interest & Tax		
• 1 st year	:	Rs. 1.67 Lakh
• 2 nd year	:	Rs. 5.32 Lakh
• 3 rd year	:	Rs. 8.51 Lakh
• 4 th year	:	Rs. 12.19 Lakh
• 5 th year	:	Rs. 16.53 Lakh
11. Average DSCR	:	Rs. 3.75
12. Term loan repayment	:	5 Years with 6 months grace period

2. ABOUT THE PRODUCT

2.1. PRODUCT INTRODUCTION:

Rajma are called the "king of food." Their health benefits, as well as savory texture, have made kidney beans worldwide renowned. Red renal beans in northern India are commonly known as "Rajma." This bean in India can be used to prepare various healthy dishes. These beans are cultivated in most parts of India's south and north. Renault boobs are also referred to as "common beans," "haricot beans."

Rajma, a major pulse crop with high efficiency in terms of gramme and pea, needs to be focused on development and policy. It has a population of 80-85 thousand hectares in Maharashtra, H.P., U.P., J&K, and NE states. But it is also growing popular in northern Indian plains during rabbits and summer. Traditionally in the Hills of the Himalayas, however, Rajmash is grown during kharif; high yield is obtained through better management in Rabi in the plains. Rajma is allegedly originating in the Indian subcontinent, grown as a forage and cover crop. It is mainly cultivated in the United States, Brazil, China, Myanmar, Tanzania or Mexico but is predominantly cultivated in India. The largest producers of Rajma are Jammu and Kashmir, Uttarakhand, Punjab, West Bengal, Tamil Nadu and Kerala. The food, feed, fodder, manuring, green and pasture are used for this cultivation. Green pods are an excellent vegetable resource. It is an excellent protein source and is therefore labelled as a vegetarian meat analogue.

Rajma can be used in different ways, soaked and consumed as steamed, cooked, or even in gravel. Boiled rajma is best used in combination with other sprouts or as healthy sprouts. They can be used to make different kinds of healthy salads. Rajma receipts are Punjabi's special delicacies when they are served with rice and known as Rajma Chawal.

2.2. MARKET POTENTIAL:

The global pulses market to reach a volume of 148.5 Million Tons by 2026, exhibiting moderate growth during the forecast period (2021-2026). In 2019, the Indian pulses market reached a volume of 27.5 million tonnes. Vegetarians account for a sizable portion of the Indian population, and pulses are the primary source of protein in their diets. Pulses are high in carbohydrates, vitamins, minerals, fatty acids, dietary fibers, and other nutrients. In addition, India's large consumer base is a major driver of the pulses market. India's population is expected to surpass 1.5 billion by 2030, up from 1.3 billion in 2018. This is expected to result in a significant increase in food demand during this time, driving up pulse consumption in the country. Pulses have also found uses in the food processing industry, in addition to being a staple food for people.

Pulses are considered to be healthier food. Pulses are also becoming more popular in the ready-to-eat and snack food industries. Healthy ready-to-eat snack foods are becoming increasingly popular with consumers in the country as a result of increased urbanization and busy lifestyles.

2.3. RAW MATERIAL DESCRIPTION:

For Rajma processing plant the required raw material is harvested kidney beans which is obtain after threshing. It can be procured from the local market.

3. PROCESS FLOW CHART

➤ **Grain delivery:**

The grain is supplied by covered trucks to factories. The distance travelled by the grain varies tremendously. After arriving at the mill, grain stocks will often have gone through a variety of accumulation processes (farmer, country elevator, terminal elevator, etc.). The number of conveyances carrying grain can vary based on the time of harvesting and delivery.

➤ **Vibratory pre- cleaning:**

Vibratory pre-cleaning is the first step in the process of removing large and small impurities from farm produce. Pre-cleaning is a cleaning operation that removes impurities such as stones, leaves, sticks, sand, fine dust, and other contaminants before silo storage.

➤ **Magnetic separation:**

The kidney beans first pass by a magnetic separator that removes ferrous metal particles. It is also necessary to ensure that no metal pieces are in the finished product.

➤ **De-stoning:**

The aim of this process is that removes stones and other particles impurities from the kidney beans.

➤ **Gravity separation**

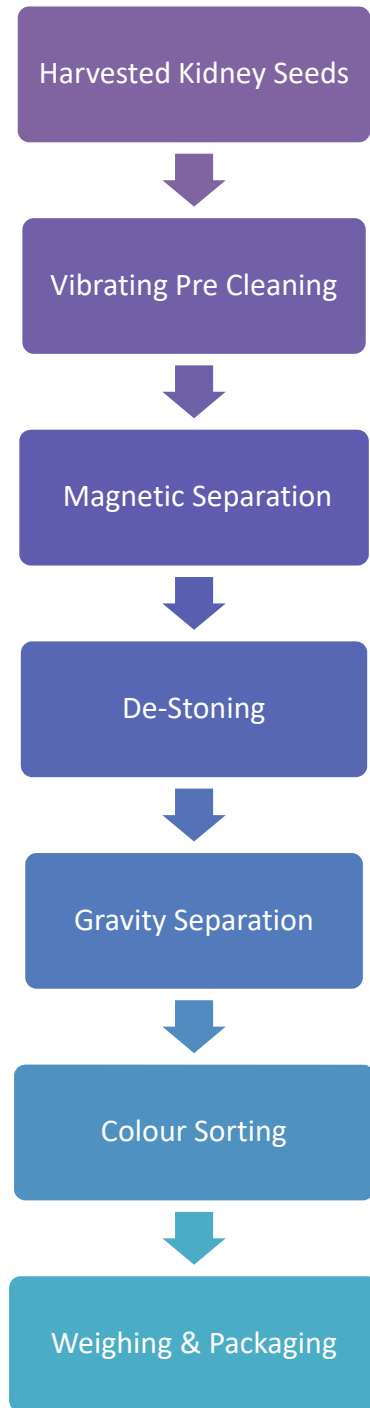
The gravity separator separates products of same size but with difference in specific weight.

➤ **Colour shorting**

The colour of grains varies depending on the variety. The colour sorter machine is used to sort kidney bean grains by colour. The goal is to separate grains that are different in colour. In different silos, shorted beans are fed.

➤ **Weighing Packaging**

The packaging is done in a simple manner: the kidney beans are fed into the packaging machine's holding tank, which then weighs and fills the kidney beans into the sacs. It simply fills the sacs to the desired weight and sews the other end.



4. ECONOMICS OF THE PROJECT

4.1. BASIS & PRESUMPTIONS

1. Production Capacity of Kholar (Rajma) is 300 kg per hr. First year, Capacity has been taken @ 30%.
2. Working shift of 8 hours per day has been considered.
3. Raw Material stock is for 7 days and Finished goods Closing Stock has been taken for 7 days.
4. Credit period to Sundry Debtors has been given for 10 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 18 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 KHOLAR (RAJMA)		
Items to be Manufactured		
Kholar (Rajma)		
Machine capacity Per hour	300	Kg
Total working Hours	8	
Machine capacity Per Day	2,400	Kg
Working days in a month	25	Days
Working days per annum	300	
Wastage Considered	10%	
Raw material requirement	720000	Kg
Final Output per annum after wastage	648000	Kg
Final Product to be packed in 1 kg Packet		
Number of Packets per annum	648000	1 Kg Packet

Production of Kholar (Rajma)		
Production	Capacity	KG
1st year	30%	1,94,400
2nd year	35%	2,26,800
3rd year	40%	2,59,200
4th year	45%	2,91,600
5th year	50%	3,24,000





Raw Material Cost			
Year	Capacity Utilisation	Rate (per Kg)	Amount (Rs. in lacs)
1st year	30%	43.00	92.88
2nd year	35%	45.00	113.40
3rd year	40%	47.00	135.36
4th year	45%	49.00	158.76
5th year	50%	51.00	183.60






COMPUTATION OF SALE					
Particulars	1st year	2nd year	3rd year	4th year	5th year
Op Stock	-	4,536	5,292	6,048	6,804
Production	1,94,400	2,26,800	2,59,200	2,91,600	3,24,000
Less : Closing Stock	4,536	5,292	6,048	6,804	7,560
Net Sale	1,89,864	2,26,044	2,58,444	2,90,844	3,23,244
Sale price per packet	70.00	74.00	78.00	82.00	86.00
Sales (in Lacs)	132.90	167.27	201.59	238.49	277.99


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.
Vibrating Pre-Cleaner	It consists of a vibrating sieve that is powered by an exciter, which is powered by an appropriate motor, and it is used to remove the majority of dirt and large impurities from a given grain.	
De-stoner	It's a machine which is used to remove stones from the given grain, widely used in various grain mills in cleaning section.	
Magnetic Separator	It's a type of separator which is used to separate magnetic impurities from given product using powerful electromagnets, used in wide range of industries for separation.	
Gravity separator	The gravity separator is used to separate any type of kernel or granular product that is nearly identical in size but differs in weight. When the limits of air-aspiration systems and screening are reached, the gravity separator is used.	

<p>Colour sorting machine</p>	<p>Colour sorting machines are most commonly used in agricultural grain as well as the processing of food products like coffee, nuts, and oil crops. Stones, mouse droppings, and discoloured toxic or otherwise unacceptable items are separated by the optical sorter.</p>	
<p>Packaging machine</p>	<p>A machine for automated weighing and packaging supports the exact weighing and packaging of kidney beans. The machine weighs and fills the products with precise measures.</p>	
<p>Unloading Bins</p>	<p>These are large bins designed for unloading of grains & similar product; they are equipped with large rod mess to prevent big impurities from entering system.</p>	
<p>Silos</p>	<p>This Equipment are class of storage Equipment which are specifically designed for dry grain raw material of small granule composition. Usually used to store grains but can also be used to store cement & aggregate.</p>	
<p>Bucket Elevator</p>	<p>A bucket lift is also a grain leg and is a device for vertical transport, often grain materials.</p>	
<p>Material handling and</p>	<p>These Equipments are used for material handling. Other equipment's</p>	

other Equipments	like water pumps, weighing machine, etc are also used.	
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Machine	Unit	Rate	Price
Vibrating Pre-Cleaner (Capacity 300 kg/hr)	1	150000	150000
De-stoner	1	175000	175000
Magnetic Separator	1	100000	100000
Gravity separator	1	130000	130000
Colour sorting machine	1	600000	600000
Packaging machine	1	380000	380000
Material handling and other equipment's (Bins, trolley, conveyor, silos, weighing machine, bucket elevator etc.)	-	350000	350000

Note: Total Machinery cost shall be Rs 18.85 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	18.85
Miscellaneous Assets	3.50
Working capital	7.24
Total	29.59

4.7. MEANS OF FINANCE

MEANS OF FINANCE	
PARTICULARS	AMOUNT
Own Contribution (min 10%)	2.95
Subsidy @35%(Max. Rs 10 Lac)	7.82
Term Loan @ 55%	12.29
Working Capital (Bank Finance)	6.51
Total	29.59

4.8. TERM LOAN: Term loan of Rs. 12.29 Lakh is required for project cost of Rs. 29.59 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	-	12.29	12.29	-	-	12.29	
	2nd month	12.29	-	12.29	0.11	-	12.29	
	3rd month	12.29	-	12.29	0.11	-	12.29	
	4th month	12.29	-	12.29	0.11	-	12.29	
	5th month	12.29	-	12.29	0.11	-	12.29	
	6th month	12.29	-	12.29	0.11	-	12.29	
	7th month	12.29	-	12.29	0.11	0.23	12.06	
	8th month	12.06	-	12.06	0.11	0.23	11.84	
	9th month	11.84	-	11.84	0.11	0.23	11.61	
	10th month	11.61	-	11.61	0.11	0.23	11.38	
	11th month	11.38	-	11.38	0.10	0.23	11.15	
	12th month	11.15	-	11.15	0.10	0.23	10.93	
					1.21	1.37		
2nd	Opening Balance							
	1st month	10.93	-	10.93	0.10	0.23	10.70	
	2nd month	10.70	-	10.70	0.10	0.23	10.47	
	3rd month	10.47	-	10.47	0.10	0.23	10.24	
	4th month	10.24	-	10.24	0.09	0.23	10.02	

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	5th month	10.02	-	10.02	0.09	0.23	9.79
	6th month	9.79	-	9.79	0.09	0.23	9.56
	7th month	9.56	-	9.56	0.09	0.23	9.33
	8th month	9.33	-	9.33	0.09	0.23	9.11
	9th month	9.11	-	9.11	0.08	0.23	8.88
	10th month	8.88	-	8.88	0.08	0.23	8.65
	11th month	8.65	-	8.65	0.08	0.23	8.42
	12th month	8.42	-	8.42	0.08	0.23	8.20
					1.06	2.73	
3rd	Opening Balance						
	1st month	8.20	-	8.20	0.08	0.23	7.97
	2nd month	7.97	-	7.97	0.07	0.23	7.74
	3rd month	7.74	-	7.74	0.07	0.23	7.51
	4th month	7.51	-	7.51	0.07	0.23	7.28
	5th month	7.28	-	7.28	0.07	0.23	7.06
	6th month	7.06	-	7.06	0.06	0.23	6.83
	7th month	6.83	-	6.83	0.06	0.23	6.60
	8th month	6.60	-	6.60	0.06	0.23	6.37
	9th month	6.37	-	6.37	0.06	0.23	6.15
	10th month	6.15	-	6.15	0.06	0.23	5.92
	11th month	5.92	-	5.92	0.05	0.23	5.69
	12th month	5.69	-	5.69	0.05	0.23	5.46
					0.76	2.73	
4th	Opening Balance						
	1st month	5.46	-		0.05	0.23	5.24

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				5.46			
2nd month	5.24	-	5.24	0.05	0.23	5.01	
3rd month	5.01	-	5.01	0.05	0.23	4.78	
4th month	4.78	-	4.78	0.04	0.23	4.55	
5th month	4.55	-	4.55	0.04	0.23	4.33	
6th month	4.33	-	4.33	0.04	0.23	4.10	
7th month	4.10	-	4.10	0.04	0.23	3.87	
8th month	3.87	-	3.87	0.04	0.23	3.64	
9th month	3.64	-	3.64	0.03	0.23	3.41	
10th month	3.41	-	3.41	0.03	0.23	3.19	
11th month	3.19	-	3.19	0.03	0.23	2.96	
12th month	2.96	-	2.96	0.03	0.23	2.73	
				0.46	2.73		
5th	Opening Balance						
1st month	2.73	-	2.73	0.03	0.23	2.50	
2nd month	2.50	-	2.50	0.02	0.23	2.28	
3rd month	2.28	-	2.28	0.02	0.23	2.05	
4th month	2.05	-	2.05	0.02	0.23	1.82	
5th month	1.82	-	1.82	0.02	0.23	1.59	
6th month	1.59	-	1.59	0.01	0.23	1.37	
7th month	1.37	-	1.37	0.01	0.23	1.14	
8th month	1.14	-	1.14	0.01	0.23	0.91	
9th month	0.91	-	0.91	0.01	0.23	0.68	
10th month	0.68	-	0.68	0.01	0.23	0.46	
11th month	0.46	-		0.00	0.23	0.23	

			0.46			
12th month	0.23	-	0.23	0.00	0.23	-
				0.16	2.73	
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					
	2.80	3.39	4.01	4.69	5.38
Raw Material					
	2.17	2.65	3.16	3.70	4.28
Closing Stock	4.97	6.04	7.17	8.39	9.67

COMPUTATION OF WORKING CAPITAL REQUIREMENT					
TRADITIONAL METHOD					(in Lacs)
Particulars	Amount	Own Margin		Bank Finance	
Finished Goods & Raw Material	4.97				
Less : Creditors	2.17				
Paid stock	2.80	10%	0.28	90%	2.52
Sundry Debtors	4.43	10%	0.44	90%	3.99
	7.24		0.72		6.51
MPBF					6.51
WORKING CAPITAL LIMIT DEMAND (from Bank)					6.51
Working Capital Margin					0.72

4.11. SALARY & WAGES

<u>BREAK UP OF LABOUR CHARGES</u>			
Particulars	Wages	No of	Total
	Rs. per Month	Employees	Salary
Plant Operator	14,000	3	42,000
Supervisor	16,000	1	16,000
Skilled (in thousand rupees)	12,000	3	36,000
Unskilled (in thousand rupees)	9,000	3	27,000
Total salary per month			1,21,000
Total annual labour charges	(in lacs)		14.52

<u>BREAK UP OF STAFF SALARY CHARGES</u>			
Particulars	Salary	No of	Total
	Rs. per Month	Employees	Salary
Administrative Staff	7,000	2	14,000
Manager	18,000	1	18,000
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	18	KWH
consumption per day	144	units
Consumption per month	3,600	units
Rate per Unit	10	Rs.
power Bill per month	36,000	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	18.85	3.50	22.35
Total	18.85	3.50	22.35
Less : Depreciation	2.83	0.35	3.18
WDV at end of Year	16.02	3.15	19.17
Additions During The Year	-	-	-
Total	16.02	3.15	19.17
Less : Depreciation	2.40	0.32	2.72
WDV at end of Year	13.62	2.84	16.45
Additions During The Year	-	-	-
Total	13.62	2.84	16.45
Less : Depreciation	2.04	0.28	2.33
WDV at end of Year	11.58	2.55	14.13
Additions During The Year	-	-	-
Total	11.58	2.55	14.13
Less : Depreciation	1.74	0.26	1.99
WDV at end of Year	9.84	2.30	12.14
Additions During The Year	-	-	-
Total	9.84	2.30	12.14
Less : Depreciation	1.48	0.23	1.71
WDV at end of Year	8.36	2.07	10.43

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 %	30%	35%	40%	45%	50%
<u>SALES</u>					
Gross Sale					
Kholar (Rajma)	132.90	167.27	201.59	238.49	277.99
Total	132.90	167.27	201.59	238.49	277.99
<u>COST OF SALES</u>					
Raw Material Consumed	92.88	113.40	135.36	158.76	183.60
Electricity Expenses	4.32	4.97	5.71	6.57	7.23
Depreciation	3.18	2.72	2.33	1.99	1.71
Wages & labour	14.52	17.71	20.55	24.14	27.04
Repair & maintenance	3.32	4.18	5.04	5.96	6.95
Packaging	1.99	2.51	3.02	3.58	4.17
Cost of Production	120.21	145.49	172.01	201.01	230.69
Add: Opening Stock /WIP	-	2.80	3.39	4.01	4.69
Less: Closing Stock /WIP	2.80	3.39	4.01	4.69	5.38
Cost of Sales	117.41	144.90	171.39	200.33	230.00
GROSS PROFIT	15.50	22.37	30.19	38.16	47.99
	11.66%	13.37%	14.98%	16.00%	17.26%
Salary to Staff	5.64	6.88	7.91	9.50	11.39
Interest on Term Loan	1.21	1.06	0.76	0.46	0.16
Interest on working Capital	0.72	0.72	0.72	0.72	0.72
Rent	3.60	3.96	4.36	4.79	5.27
selling & adm exp	2.66	4.18	6.85	7.87	9.31
TOTAL	13.82	16.80	20.60	23.34	26.86
NET PROFIT	1.67	5.57	9.59	14.83	21.13
	1.26%	3.33%	4.76%	6.22%	7.60%
Taxation	-	0.24	1.08	2.63	4.60
PROFIT (After Tax)	1.67	5.32	8.51	12.19	16.53

4.16. BREAK EVEN POINT ANALYSIS

BREAK EVEN POINT ANALYSIS					
Year	I	II	III	IV	V
Net Sales & Other Income	132.90	167.27	201.59	238.49	277.99
Less : Op. WIP Goods	-	2.80	3.39	4.01	4.69
Add : Cl. WIP Goods	2.80	3.39	4.01	4.69	5.38
Total Sales	135.71	167.86	202.21	239.17	278.68
Variable & Semi Variable Exp.					
Raw Material Consumed	92.88	113.40	135.36	158.76	183.60
Electricity Exp/Coal Consumption at 85%	3.67	4.22	4.86	5.58	6.14
Wages & Salary at 60%	12.10	14.76	17.08	20.18	23.06
Selling & administrative Expenses 80%	2.13	3.35	5.48	6.30	7.45
Interest on working Capital	0.716279	0.716279	0.716279	0.716279	0.716279
Repair & maintenance	3.32	4.18	5.04	5.96	6.95
Packaging	1.99	2.51	3.02	3.58	4.17
Total Variable & Semi Variable Exp	116.81	143.13	171.56	201.08	232.09
Contribution	18.90	24.73	30.65	38.09	46.59
Fixed & Semi Fixed Expenses					
Electricity Exp/Coal Consumption at 15%	0.65	0.75	0.86	0.99	1.08
Wages & Salary at 40%	8.06	9.84	11.38	13.46	15.37
Interest on Term Loan	1.21	1.06	0.76	0.46	0.16
Depreciation	3.18	2.72	2.33	1.99	1.71
Selling & administrative Expenses 20%	0.53	0.84	1.37	1.57	1.86
Rent	3.60	3.96	4.36	4.79	5.27
Total Fixed Expenses	17.23	19.16	21.06	23.26	25.46
Capacity Utilization	30%	35%	40%	45%	50%
OPERATING PROFIT	1.67	5.57	9.59	14.83	21.13
BREAK EVEN POINT	27%	27%	27%	27%	27%
BREAK EVEN SALES	123.69	130.07	138.93	146.07	152.29

4.17. PROJECTED BALANCE SHEET

PROJECTED BALANCE SHEET					(in Lacs)
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
<u>Liabilities</u>					
Capital					
opening balance		9.44	11.27	13.78	16.47
Add:- Own Capital	2.95				
Add:- Retained Profit	1.67	5.32	8.51	12.19	16.53
Less:- Drawings	3.00	3.50	6.00	9.50	13.50
Subsidy/grant	7.82				
Closing Balance	9.44	11.27	13.78	16.47	19.51
Term Loan	10.93	8.20	5.46	2.73	-
Working Capital Limit	6.51	6.51	6.51	6.51	6.51
Sundry Creditors	2.17	2.65	3.16	3.70	4.28
Provisions & Other Liab	0.40	0.50	0.60	0.72	0.86
TOTAL :	29.45	29.12	29.51	30.14	31.17
<u>Assets</u>					
Fixed Assets (Gross)	22.35	22.35	22.35	22.35	22.35
Gross Dep.	3.18	5.90	8.22	10.21	11.92
Net Fixed Assets	19.17	16.45	14.13	12.14	10.43
Current Assets					
Sundry Debtors	4.43	5.58	6.72	7.95	9.27
Stock in Hand	4.97	6.04	7.17	8.39	9.67
Cash and Bank	0.88	1.05	1.49	1.66	1.80
TOTAL :	29.45	29.12	29.51	30.14	31.17

4.18. CASH FLOW STATEMENT

PROJECTED CASH FLOW STATEMENT					(in Lacs)
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
<u>SOURCES OF FUND</u>					
Own Margin	2.95				
Net Profit	1.67	5.57	9.59	14.83	21.13
Depriciation & Exp. W/off	3.18	2.72	2.33	1.99	1.71
Increase in Cash Credit	6.51	-	-	-	-
Increase In Term Loan	12.29	-	-	-	-
Increase in Creditors	2.17	0.48	0.51	0.55	0.58
Increase in Provisions & Oth lib	0.40	0.10	0.10	0.12	0.14
Sunsidy/grant	7.82				
TOTAL :	36.99	8.86	12.53	17.48	23.56
<u>APPLICATION OF FUND</u>					
Increase in Fixed Assets	22.35				
Increase in Stock	4.97	1.07	1.13	1.22	1.27
Increase in Debtors	4.43	1.15	1.14	1.23	1.32
Repayment of Term Loan	1.37	2.73	2.73	2.73	2.73
Drawings	3.00	3.50	6.00	9.50	13.50
Taxation	-	0.24	1.08	2.63	4.60
TOTAL :	36.12	8.69	12.09	17.31	23.42
Opening Cash & Bank Balance	-	0.88	1.05	1.49	1.66
Add : Surplus	0.88	0.18	0.44	0.17	0.14
Closing Cash & Bank Balance	0.88	1.05	1.49	1.66	1.80

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	4.85	8.04	10.84	14.19	18.24
Interest on Term Loan	1.21	1.06	0.76	0.46	0.16
Total	6.06	9.11	11.60	14.65	18.40
<u>REPAYMENT</u>					
Instalment of Term Loan	1.37	2.73	2.73	2.73	2.73
Interest on Term Loan	1.21	1.06	0.76	0.46	0.16
Total	2.57	3.80	3.50	3.19	2.89
DEBT SERVICE COVERAGE RATIO	2.35	2.40	3.32	4.59	6.36
AVERAGE D.S.C.R.	3.75				