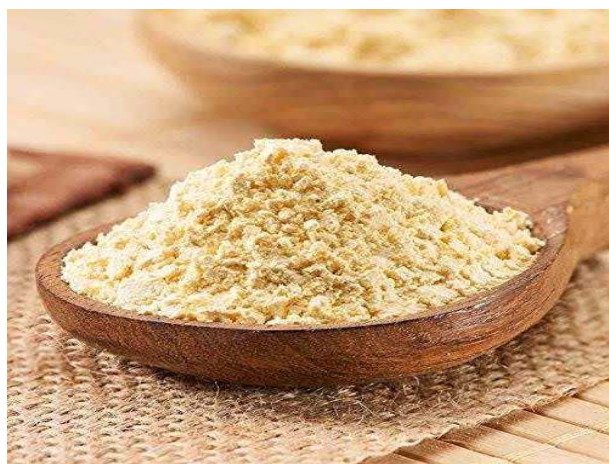




DETAILED PROJECT REPORT

BESAN PLANT 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	:	Besan Plant Unit
2. Nature of proposed project	:	Proprietorship/Company/Partnership
3. Proposed project capacity	:	296400 Kg/annum(50,55,60,65,&70% capacity utilization in 1 st to 5 th Year respectively)
4. Raw materials	:	Bengal Gram & Packing material
5. Major product outputs	:	Besan
6. Total project cost	:	Rs. 29.03 Lakh
• Land development, building & Civil Construction	:	Nil
• Machinery and equipment's	:	Rs. 18.76 Lakh
• Miscellaneous Fixed Assets	:	Rs. 1.60 Lakh
• Working capital	:	Rs. 8.67 Lakh
8. Means of Finance		
• Subsidy (max 10lakhs)	:	Rs. 7.13 Lakh
• Promoter's contribution (min10%)	:	Rs. 2.90 Lakh
• Term loan	:	Rs. 11.20 Lakh
• Working Capital Requirement	:	Rs. 7.80 Lakh
9. Profit after Depreciation, Interest & Tax		
• 1 st year	:	Rs. 3.44 Lakh
• 2 nd year	:	Rs. 6.28 Lakh
• 3 rd year	:	Rs. 9.05 Lakh
• 4 th year	:	Rs. 12.19 Lakh
• 5 th year	:	Rs. 15.39 Lakh
11. Average DSCR	:	Rs. 3.84
12. Term loan repayment	:	5 Years with 6 months grace period

2. ABOUT THE PRODUCT

2.1. PRODUCT INTRODUCTION:

BESAN is a product obtained by grinding, dried and decuticled Bengal Gram. Besan is a bengal gram widely consumed in India. It is yellowish in colour and possesses characteristic bengal gram taste and smell. Khesaru dal and other colouring matter shall not be added to true besan. In the cuisine of the Indian subcontinent, including Indian, Bangladeshi, Burmese, Nepali, Pakistani, and Sri Lankan cuisines, it is a basic ingredient. By nature, Indians are fond of sweet as well as spicy food and in such preparations, Gram is an essential ingredient. It is a versatile commodity used in many year-round preparations. There are some institutional bulk customers, apart from individual households, such as hotels, other hostels and canteens for eateries, clubs, caterers, etc. In Indian kitchens, it is a very widely used commodity and thus enjoys a constant demand throughout the year.

Gram/Besan has a high percentage of carbohydrates, a higher percentage of fiber than other pulses, no gluten, and a higher percentage of protein than other pulses. It is as popular as basic wheat in India and is used in different Indian recipes such as 'besankeladdu', bhajia, pakode, paraths, curry, etc. Gram is also used in the manufacture of sweat plates and in the preparation of instant mixes available on the market. Chickpea, chana or gram besan, is widely used in India and parts of the Mediterranean as well. It is also fine as a thickener in various kinds of fries in curries and coatings. It is an egg alternative for vegetarians and has a high protein content and can be used in different recipes instead of egg coatings. Besan is also a great anti-inflammatory food, as it has been shown to have anti-inflammatory abilities and protective benefits against cancer, particularly digestive tract cancer, including cancer of the colon, stomach and kidney. It's absolutely free of gluten and all grains because besan has zero wheat, barley, rye or cross-contaminated oats.

It is also used as a facial mask mixing with milk or yogurt and turmeric, apart from its ability to make enhanced fried items and delicious recipes, and is popular among young women in Asia. This face mask has been shown to be effective as a skin cleanser and whitening. Gram is a versatile and year-round commodity used in many preparations. In addition to individual households, there are some wholesale customers who often use these items, such as restaurants, canteens, caterers, clubs, etc. Since Indians love spicy and sweet recipes, besan is a very important ingredient in these products, so it enjoys continuous use throughout the year in Indian kitchens.

2.2. MARKET POTENTIAL:

The global demand for pulses is mainly driven by the growing consumption of different pulses and bakery products in different regions. Demand for pulse milling is being strengthened by the rapidly increasing demand for fast food items in restaurants, cafes, and food chains in different developing and developed nations. With an annual production volume of more than 5 million tons, Besan is a high potential market in India; that is, over 50 percent of the approximately 10 million tons of desi Chickpeas produced in India (which goes for grinding into Besan). With an average capacity of one TPH factory, it is estimated that the output is processed by over two thousand besan mills. In particular, most of these besan mills are extended dal mills that sell their first grade chickpea split dal and process second grade and broken (khanda) to produce besan. Market demand for besan is largely dependent on the freshness, consistency and fineness of the grinding process. Generally speaking, consistency of besan content is of primary importance to millers because it has a direct effect on the sensory properties of the final product.

In the Asia Pacific region, the demand for pulses is projected to rise at the highest CAGR in terms of both volume and value between 2017 and 2022. It is expected that this supremacy will also prevail during the forecast era. With countries such as India, China, Australia, Japan,

Myanmar, Thailand, the Philippines, and Malaysia contributing to the high consumption of various food products produced using pulse ingredients, the region is the largest user of pulses.

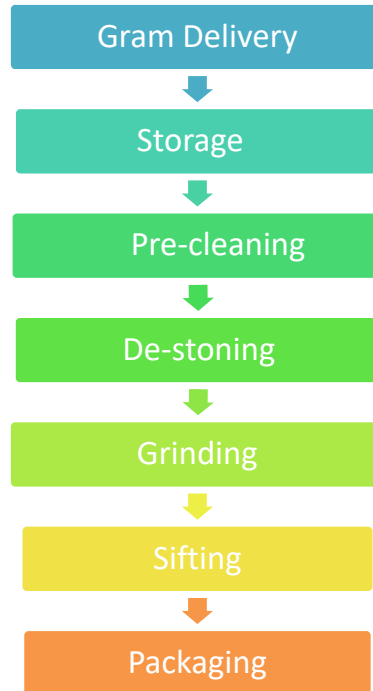
2.3. RAW MATERIAL DESCRIPTION:

Basic raw material required in the proposed Besan unit is “Bengal Gram.”Besan is a product obtained through Bengal Gram grinding, drying and de-cuticulating. Besan is commonly consumed Bengal gram flour in India. In tone, it is yellowish and they have a distinctive Bengal gram taste and odor. Khesaru dal and other products are not supposed to be added in true besan flour for colouring. As a health food, Bengal gram is widely known. It is a cereal supplement rich in proteins. Diets, especially for the poor in developing countries, where people are vegetarians or vegetarians, are Gram based. It's difficult to afford animal protein. The pulse proteins are lysine-rich and have low sulphur levels. They produce amino acids. The most realistic way to eliminate protein malnutrition is to include for vegetarian children and mothers who are breastfeeding. There is a very significant position for Bengal gram in our country's human diet. Bengal gram collection and blending of various Bengal gram varieties is a key factor in the development of the right quality and right price besan.Pulse flour made from a type of ground chickpea called the gram chickpea is Gram flour or besan. In the cuisine of the Indian subcontinent, including Indian, Bangladeshi, Burmese, Nepali, Pakistani, and Sri Lankan cuisines, it is a basic ingredient.

3. PROCESS FLOW CHART

The chana or Bengal gram/chickpea is procured from the vendor or local farmer and then processed to make Besan in the plant. The process is as follows:

- ✓ **Pre Cleaning:** Eliminate broken grains, dirt, similar sized impurities, leaves and other impurities from Gram.
- ✓ **De-stoning:** Remove the pebbles and another small foreign particle from the Gram seed.
- ✓ **De-husking:** The process of removal of husk or outer layer from the cotyledons is called dehusking it is a necessary process to improve the quality of the final product. The dehusking machine used for this process.
- ✓ **Cleaning:** After De-husking, the gram is taken to the cleaning section where the other layer is separated from the seed through the aspirator.
- ✓ **Grinding:** Hulled grams are then fed to a Heavy-duty Pulverizer. this machine simply grinds these grams into a fine powder.
- ✓ **Sifting:** This grounded powder is fed to the shifter for further shifting process.
- ✓ **Packaging:** Finally, Besan is packed directly in gunny bags, poly-line gunny bags for bulk selling, and in laminated pouches or poly-bags for retail selling.



4. ECONOMICS OF THE PROJECT

4.1. BASIS & PRESUMPTIONS

1. Production Capacity of Besan is 130 kg per hr. First year, Capacity has been taken @ 50%.
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 15 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 15KW.
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 BESAN</u>		
Item to be Manufactured		
Besan		
Machine capacity Per hour	130	Kg
Total working Hours	8	
Machine capacity Per Day	1,040	Kg
Working days in a month	25	Days
Working days per annum	300	
Wastage Considered	5%	
Raw material requirement	312000	Kg
Final Output per annum after wastage	296400	Kg
Final Product to be packed in 1 kg Packet		
Number of Packets per annum	296400	1 Kg Packet

Production of Besan		
Production	Capacity	KG
1st year	50%	1,48,200
2nd year	55%	1,63,020
3rd year	60%	1,77,840
4th year	65%	1,92,660
5th year	70%	2,07,480


Raw Material Cost			
Year	Capacity Utilisation	Rate (per Kg)	Amount (Rs. in lacs)
1st year	50%	40.00	62.40
2nd year	55%	42.00	72.07
3rd year	60%	44.00	82.37
4th year	65%	46.00	93.29
5th year	70%	48.00	104.83







COMPUTATION OF SALE					
Particulars	1st year	2nd year	3rd year	4th year	5th year
Op Stock	-	7,410	8,151	8,892	9,633
Production	1,48,200	1,63,020	1,77,840	1,92,660	2,07,480
Less : Closing Stock	7,410	8,151	8,892	9,633	10,374
Net Sale	1,40,790	1,62,279	1,77,099	1,91,919	2,06,739
sale price per packet	75.00	79.00	83.00	87.00	91.00
Sales (in Lacs)	105.59	128.20	146.99	166.97	188.13




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.
Unloading Bins	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.	

Storage Tank	These Equipments are class of storage Equipments which are specifically designed for dry Dal or similar products (Raw material) of small granule composition. Usually used to store grains but can also be used to store cement & aggregate.	
Aspirator	It's a more fine-tuned separator designed to remove finer impurities like remaining dirt, similar sized impurities, leaves etc.	
De-stoner	Remove the pebbles and another small foreign particle from the Gram seed.	
Heavy-duty Pulverizer	It's a grinding class Machine, used for grinding grams to a fine powder.	
Sifter	This machine used for screening, sieving, grading Besan flour.	
Packet Filling & Packaging Machine	It's a simple packaging machine, designed to fill the given food grade plastic material's continuous pouch with required product after sealing one end & after filling sealing the other end also to generate packet of product.	

Disc Separator	It's a separator class machine, generally used to remove foreign grains from required grain efficiently	
Magnetic Separator	It's a type of separator which is used to magnetic impurities from given product using powerful electromagnets, used in wide range of industries for separation.	
Food Grade Conveyor	These are conveyors with food grade belt to maintain food safety standards set by monitoring authorities.	

Machine	Unit	Rate	Price
Storage Tank	1	30000	30000
Aspirator	1	145000	145000
De-Stoner	1	175000	175000
Heavy-duty Pulverizer (Capacity-200kg/hr)	1	340000	340000
Sifter (Capacity-50 kg/hr)	3	52000	156000
Disc Separator	1	260000	260000
Magnetic Separator	1	10000	10000
Food Grade Conveyor	1	50000	50000
Pneumatic Lift with cyclone, Blower and Fan	2	45000	90000
Packet Filling & Packaging Machine	1	220000	220000

Bins and other material handling equipments. (Unloading Bins, escalator, elevator, conveyor, storage bins, etc.)	-	-	4,00,000
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Note: Approx. Total Machinery cost shall be Rs 18.76 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	18.76
Miscellaneous Assets	1.60
Working capital	8.67
Total	29.03

4.7. MEANS OF FINANCE

MEANS OF FINANCE	
PARTICULARS	AMOUNT
Own Contribution (min 10%)	2.90
Subsidy @35%(Max. Rs 10 Lac)	7.13
Term Loan @ 55%	11.20
Working Capital (Bank Finance)	7.80
Total	29.03

4.8. TERM LOAN: Term loan of Rs. 11.20 Lakh is required for project cost of Rs. 29.03 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	-	11.20	11.20	-	-	11.20
	2nd month	11.20	-	11.20	0.10	-	11.20
	3rd month	11.20	-	11.20	0.10	-	11.20
	4th month	11.20	-	11.20	0.10		11.20
	5th month	11.20	-	11.20	0.10		11.20
	6th month	11.20	-		0.10		11.20

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			11.20				
7th month	11.20	-	11.20	0.10	0.21	10.99	
8th month	10.99	-	10.99	0.10	0.21	10.78	
9th month	10.78	-	10.78	0.10	0.21	10.58	
10th month	10.58	-	10.58	0.10	0.21	10.37	
11th month	10.37	-	10.37	0.10	0.21	10.16	
12th month	10.16	-	10.16	0.09	0.21	9.95	
				1.10	1.24		
2nd	Opening Balance						
1st month	9.95	-	9.95	0.09	0.21	9.75	
2nd month	9.75	-	9.75	0.09	0.21	9.54	
3rd month	9.54	-	9.54	0.09	0.21	9.33	
4th month	9.33	-	9.33	0.09	0.21	9.12	
5th month	9.12	-	9.12	0.08	0.21	8.92	
6th month	8.92	-	8.92	0.08	0.21	8.71	
7th month	8.71	-	8.71	0.08	0.21	8.50	
8th month	8.50	-	8.50	0.08	0.21	8.29	
9th month	8.29	-	8.29	0.08	0.21	8.09	
10th month	8.09	-	8.09	0.07	0.21	7.88	
11th month	7.88	-	7.88	0.07	0.21	7.67	
12th month	7.67	-	7.67	0.07	0.21	7.47	
				0.97	2.49		
3rd	Opening Balance						
1st month	7.47	-	7.47	0.07	0.21	7.26	
2nd month	7.26	-	7.26	0.07	0.21	7.05	

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	3rd month	7.05	-	7.05	0.06	0.21	6.84
	4th month	6.84	-	6.84	0.06	0.21	6.64
	5th month	6.64	-	6.64	0.06	0.21	6.43
	6th month	6.43	-	6.43	0.06	0.21	6.22
	7th month	6.22	-	6.22	0.06	0.21	6.01
	8th month	6.01	-	6.01	0.06	0.21	5.81
	9th month	5.81	-	5.81	0.05	0.21	5.60
	10th month	5.60	-	5.60	0.05	0.21	5.39
	11th month	5.39	-	5.39	0.05	0.21	5.18
	12th month	5.18	-	5.18	0.05	0.21	4.98
					0.70	2.49	
4th	Opening Balance						
	1st month	4.98	-	4.98	0.05	0.21	4.77
	2nd month	4.77	-	4.77	0.04	0.21	4.56
	3rd month	4.56	-	4.56	0.04	0.21	4.35
	4th month	4.35	-	4.35	0.04	0.21	4.15
	5th month	4.15	-	4.15	0.04	0.21	3.94
	6th month	3.94	-	3.94	0.04	0.21	3.73
	7th month	3.73	-	3.73	0.03	0.21	3.53
	8th month	3.53	-	3.53	0.03	0.21	3.32
	9th month	3.32	-	3.32	0.03	0.21	3.11
	10th month	3.11	-	3.11	0.03	0.21	2.90
	11th month	2.90	-	2.90	0.03	0.21	2.70
	12th month	2.70	-	2.70	0.02	0.21	2.49

					0.42	2.49	
5th	Opening Balance						
	1st month	2.49	-	2.49	0.02	0.21	2.28
	2nd month	2.28	-	2.28	0.02	0.21	2.07
	3rd month	2.07	-	2.07	0.02	0.21	1.87
	4th month	1.87	-	1.87	0.02	0.21	1.66
	5th month	1.66	-	1.66	0.02	0.21	1.45
	6th month	1.45	-	1.45	0.01	0.21	1.24
	7th month	1.24	-	1.24	0.01	0.21	1.04
	8th month	1.04	-	1.04	0.01	0.21	0.83
	9th month	0.83	-	0.83	0.01	0.21	0.62
	10th month	0.62	-	0.62	0.01	0.21	0.41
	11th month	0.41	-	0.41	0.00	0.21	0.21
	12th month	0.21	-	0.21	0.00	0.21	-
					0.15	2.49	
	DOOR TO DOOR MORATORIUM PERIOD	60		MONTHS			
		6		MONTHS			
	REPAYMENT PERIOD	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
<u>Finished Goods</u>					
	4.61	5.31	6.00	6.72	7.49
<u>Raw Material</u>					
	2.08	2.40	2.75	3.11	3.49
Closing Stock	6.69	7.71	8.74	9.83	10.98

COMPUTATION OF WORKING CAPITAL REQUIREMENT					
TRADITIONAL METHOD					(in Lacs)
Particulars	Amount	Own Margin		Bank Finance	
Finished Goods & Raw Material	6.69				
Less : Creditors	1.46				
Paid stock	5.24	10%	0.52	90%	4.71
Sundry Debtors	3.52	10%	0.35	90%	3.17
	8.76		0.88		7.88
MPBF					7.88
WORKING CAPITAL LIMIT DEMAND (from Bank)					7.80
Working Capital Margin					0.87

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	3	45,000
Supervisor	20,000	1	20,000
Skilled (in thousand rupees)	12,000	2	24,000
Unskilled (in thousand rupees)	8,500	2	17,000
Total salary per month			1,06,000
Total annual labour charges	(in lacs)		12.72

<u>BREAK UP OF STAFF SALARY CHARGES</u>			
Particulars	Salary Rs. per Month	No of Employees	Total Salary
Administrative Staff	12,000	2	24,000
Manager	18,000	1	18,000
Accountant	15,000	1	15,000
Total salary per month			57,000
Total annual Staff charges	(in lacs)		6.84

4.12 POWER REQUIREMENT

Utility Charges (per month)		
Particulars	value	Description
Power connection required		15 KWH
consumption per day		120 units
Consumption per month		3,000 units
Rate per Unit		10 Rs.
power Bill per month		30,000 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	18.76	1.60	20.36
Total	18.76	1.60	20.36
Less : Depreciation	2.81	0.16	2.97
WDV at end of Year	15.95	1.44	17.39
Additions During The Year	-	-	-
Total	15.95	1.44	17.39
Less : Depreciation	2.39	0.14	2.54
WDV at end of Year	13.55	1.30	14.85
Additions During The Year	-	-	-
Total	13.55	1.30	14.85
Less : Depreciation	2.03	0.13	2.16
WDV at end of Year	11.52	1.17	12.69
Additions During The Year	-	-	-
Total	11.52	1.17	12.69
Less : Depreciation	1.73	0.12	1.84
WDV at end of Year	9.79	1.05	10.84
Additions During The Year	-	-	-
Total	9.79	1.05	10.84
Less : Depreciation	1.47	0.10	1.57
WDV at end of Year	8.32	0.94	9.27

4.14. REPAIR & MAINTENANCE: Repair & Maintenance is 2.5% of Gross Sale.**4.15. PROJECTIONS OF PROFITABILITY ANALYSIS**

PROJECTED PROFITABILITY STATEMENT						(in Lacs)
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year	
Capacity Utilisation %	50%	55%	60%	65%	70%	
<u>SALES</u>						
Gross Sale						
Besan	105.59	128.20	146.99	166.97	188.13	
Total	105.59	128.20	146.99	166.97	188.13	
COST OF SALES						
Raw Material Consumed	62.40	72.07	82.37	93.29	104.83	
Electricity Expenses	3.60	4.14	4.76	5.48	6.02	
Depreciation	2.97	2.54	2.16	1.84	1.57	
Wages & labour	12.72	14.63	16.68	18.01	19.45	
Repair & maintenance	2.64	3.21	3.67	4.17	4.70	
Packaging	7.92	9.62	10.29	11.69	13.17	
Cost of Production	92.25	106.20	119.93	134.48	149.75	
Add: Opening Stock /WIP	-	4.61	5.31	6.00	6.72	
Less: Closing Stock /WIP	4.61	5.31	6.00	6.72	7.49	
Cost of Sales	87.64	105.50	119.25	133.75	148.99	
GROSS PROFIT	17.95	22.70	27.75	33.22	39.14	
	17.00%	17.71%	18.88%	19.89%	20.81%	
Salary to Staff	6.84	8.07	9.85	11.62	13.71	
Interest on Term Loan	1.10	0.97	0.70	0.42	0.15	
Interest on working Capital	0.86	0.86	0.86	0.86	0.86	
Rent	3.60	3.96	4.36	4.79	5.27	
selling & adm exp	2.11	2.56	2.94	3.34	3.76	
TOTAL	14.51	16.42	18.70	21.03	23.75	
NET PROFIT	3.44	6.28	9.05	12.19	15.39	
	3.26%	4.90%	6.16%	7.30%	8.18%	
Taxation	-	0.38	0.94	1.78	2.74	
PROFIT (After Tax)	3.44	5.90	8.12	10.41	12.65	

4.16. BREAK EVEN POINT ANALYSIS

BREAK EVEN POINT ANALYSIS					
Year	I	II	III	IV	V
Net Sales & Other Income	105.59	128.20	146.99	166.97	188.13
Less : Op. WIP Goods	-	4.61	5.31	6.00	6.72
Add : Cl. WIP Goods	4.61	5.31	6.00	6.72	7.49
Total Sales	110.21	128.90	147.68	167.70	188.90
Variable & Semi Variable Exp.					
Raw Material Consumed	62.40	72.07	82.37	93.29	104.83
Electricity Exp/Coal Consumption at 85%	3.06	3.52	4.05	4.65	5.12
Wages & Salary at 60%	11.74	13.62	15.91	17.78	19.90
Selling & administrative Expenses 80%	1.69	2.05	2.35	2.67	3.01
Interest on working Capital	0.858	0.858	0.858	0.858	0.858
Repair & maintenance	2.64	3.21	3.67	4.17	4.70
Packaging	7.92	9.62	10.29	11.69	13.17
Total Variable & Semi Variable Exp	90.30	104.94	119.50	135.11	151.59
Contribution	19.90	23.96	28.18	32.59	37.31
Fixed & Semi Fixed Expenses					
Electricity Exp/Coal Consumption at 15%	0.54	0.62	0.71	0.82	0.90
Wages & Salary at 40%	7.82	9.08	10.61	11.85	13.26
Interest on Term Loan	1.10	0.97	0.70	0.42	0.15
Depreciation	2.97	2.54	2.16	1.84	1.57
Selling & administrative Expenses 20%	0.42	0.51	0.59	0.67	0.75
Rent	3.60	3.96	4.36	4.79	5.27
Total Fixed Expenses	16.46	17.68	19.13	20.40	21.91
Capacity Utilization	50%	55%	60%	65%	70%
OPERATING PROFIT	3.44	6.28	9.05	12.19	15.39
BREAK EVEN POINT	41%	41%	41%	41%	41%
BREAK EVEN SALES	91.15	95.12	100.24	104.98	110.95

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		9.97	11.87	13.98	16.89	
Add:- Own Capital	2.90					
Add:- Retained Profit	3.44	5.90	8.12	10.41	12.65	
Less:- Drawings	3.50	4.00	6.00	7.50	10.00	
Subsidy/grant	7.13					
Closing Balance	9.97	11.87	13.98	16.89	19.54	
Term Loan	9.95	7.47	4.98	2.49	-	
Working Capital Limit	7.80	7.80	7.80	7.80	7.80	
Sundry Creditors	1.46	1.68	1.92	2.18	2.45	
Provisions & Other Liab	0.40	0.50	0.60	0.72	0.86	
TOTAL :	29.58	29.32	29.28	30.07	30.65	
<u>Assets</u>						
Fixed Assets (Gross)	20.36	20.36	20.36	20.36	20.36	
Gross Dep.	2.97	5.51	7.67	9.52	11.09	
Net Fixed Assets	17.39	14.85	12.69	10.84	9.27	
Current Assets						
Sundry Debtors	3.52	4.27	4.90	5.57	6.27	
Stock in Hand	6.69	7.71	8.74	9.83	10.98	
Cash and Bank	1.98	2.48	2.95	3.83	4.13	
TOTAL :	29.58	29.32	29.28	30.07	30.65	

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	2.90					
Net Profit	3.44	6.28	9.05	12.19	15.39	
Depriciation & Exp. W/off	2.97	2.54	2.16	1.84	1.57	
Increase in Cash Credit	7.80	-	-	-	-	
Increase In Term Loan	11.20	-	-	-	-	
Increase in Creditors	1.46	0.23	0.24	0.25	0.27	
Increase in Provisions & Oth lib	0.40	0.10	0.10	0.12	0.14	
Sunsidy/grant	7.13					
TOTAL :	37.30	9.14	11.55	14.41	17.38	
<u>APPLICATION OF FUND</u>						
Increase in Fixed Assets	20.36					
Increase in Stock	6.69	1.02	1.03	1.09	1.15	
Increase in Debtors	3.52	0.75	0.63	0.67	0.71	
Repayment of Term Loan	1.24	2.49	2.49	2.49	2.49	
Drawings	3.50	4.00	6.00	7.50	10.00	
Taxation	-	0.38	0.94	1.78	2.74	
TOTAL :	35.32	8.64	11.08	13.53	17.09	
Opening Cash & Bank Balance	-	1.98	2.48	2.95	3.83	
Add : Surplus	1.98	0.50	0.47	0.88	0.30	
Closing Cash & Bank Balance	1.98	2.48	2.95	3.83	4.13	

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	6.42	8.43	10.28	12.25	14.22
Interest on Term Loan	1.10	0.97	0.70	0.42	0.15
Total	7.52	9.40	10.97	12.67	14.37
<u>REPAYMENT</u>					
Instalment of Term Loan	1.24	2.49	2.49	2.49	2.49
Interest on Term Loan	1.10	0.97	0.70	0.42	0.15
Total	2.34	3.46	3.18	2.91	2.64
DEBT SERVICE COVERAGE RATIO	3.21	2.72	3.45	4.35	5.45
AVERAGE D.S.C.R.	3.84				