

# DETAILED PROJECT REPORT BESAN NAMKEEN MAKING UNIT UNDER PMFME SCHEME



National Institute of Food Technology Entrepreneurship and Management

Ministry of Food Processing Industries

Plot No.97, Sector-56, HSIIDC, Industrial Estate, Kundli, Sonipat, Haryana-131028

Website: http://www.niftem.ac.in

Email: pmfmecell@niftem.ac.in

Call: 0130-2281089

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# 1. PROJECT SUMMARY

1. Name of the proposed project	:	Besan Namkeen Making Unit
2. Nature of proposed project	:	Proprietorship/Company/Partnership
3. Proposed project capacity	:	228000 Kg/annum (35,40,45,50&55% capacity utilization in 1 <sup>st</sup> to 5 <sup>th</sup> Year respectively)
4. Raw material	:	Besan, Rice Flour, Turmeric Powder, Red Chilli, Asafetida, Ajwain Seed, Salt, Oil, Masoor Dal, Peanut, Cashew and Chat Masala.
5. Major product outputs	:	Besan Namkeen
6. Total project cost	:	Rs. 21.65 Lakh
Land development, building & Civil Construction	:	Nil
Machinery and equipment's	:	Rs. 14.95 Lakh
Miscellaneous Fixed Assets	:	Rs. 1.50 Lakh
Working capital	:	Rs. 5.20 Lakh
7. Means of Finance		
Subsidy (max 10lakhs)	:	Rs. 5.76 Lakh
Promoter's contribution (min10%)	:	Rs. 2.15 Lakh
Term loan	:	Rs. 9.05 Lakh
Working Capital Requirement	:	Rs. 4.68 Lakh
8. Profit after Depreciation, Interest & Tax		
• 1 <sup>st</sup> year	:	Rs. 2.56 Lakh
• 2 <sup>nd</sup> year	:	Rs. 3.54 Lakh
• 3 <sup>rd</sup> year	:	Rs. 5.19 Lakh
• 4 <sup>th</sup> year	:	Rs. 6.39Lakh
• 5 <sup>th</sup> year	:	Rs. 8.30 Lakh
9. Average DSCR	:	Rs. 3.20
10. Term loan repayment	:	5 Years with 6 months grace period

#### 2. ABOUT THE PRODUCT

#### 2.1. PRODUCT INTRODUCTION:

Namkeen is the Hindi word used to describe a savory flavor. The word namkeen is derived from the word namak (meaning salt). It is also used as a generic term to describe savory snack foods. Namkeen is pronounced "num-keen," and can also be referred to as numkeen, namkin, and numkin depending on where you travel throughout India and who you speak to. Typical namkeen snacks in Indian cuisine include khaara, farsan, chivda, sav, chips, fried dals, grains and bhujiya. Namkeen of Indore and ratlam are two snacks that are very well known for their tastes. There are a few other Indian snacks that incorporate salt and have a namkeen flavor, some of which are made from basic grains and can be flavored in a multitude of ways.

#### Quality Parameter of Namkeen:

#### 1. Appearance:

The diameter, porosity, and uniform structure, are appearance attributes that aid in the perception of quality of the product. The appearance of these products are defined based on blanching, drying & frying quality.

#### 2. Texture and Flavour:

Textural attributes of these namkeens are often associated with their mechanical behaviour, and are related to their appearance and flavour properties. Crispness of namkeens are influenced by temperature in various processes. Moisture content decreases the crunchiness and crispness while increasing density of the product.

Several flavours & type of namkeen can be produced in same food processing unit utilizing various seasoning and different secondary raw materials.

#### **2.2.** MARKET POTENTIAL:

The global snacks market size valued at USD 439.9 billion in 2018 and is expected to grow at a compound annual growth rate (CAGR) of 6.2% from 2019 to 2025. Rising health concerns along with changing lifestyles and diets have spurred demand for various snacking options across the globe.

Snack food has emerged as an alternative to full-fledged meals with the paradigm shift in consumer behaviour patterns. The higher disposable incomes, as a result of the growing urbanization and increasing preference for convenience food, have triggered the growth of the snacks industry.

India traditional namkeens market has shown tremendous growth in the past couple of years. The market is forecasted to grow with a CAGR of more than 7% in near future. Increasing consumer's awareness towards healthy and packaged traditional namkeens has created a huge demand for Namkeen in past couple of years.

Indian consumers seem to have recovered their taste for traditional namkeens such as farsan, bhujia and Namkeen going by the impressive growth rate of local firms such as Balaji Wafers and Bikanervala at a time when their multinational rivals are struggling.

The future of India Namkeens Market can be judged from the fact that this industry is expected to grow with 9% CAGR for the time frame of 2018 to 2024. India's namkeen market is dived between organized players and unorganized market.

#### 2.3. RAW MATERIAL DESCRIPTION:

Major raw materials are as follows:

- Besan
- Rice Flour
- Turmeric Powder
- Red Chilli
- Asafetida
- Ajwain Seed
- Salt
- Oil
- Masoor Dal
- Peanut
- Cashew
- Chat Masala

#### 3. PROCESS FLOW CHART

The dough kneading machines are used for kneading various types of flours for various types of namkeens. Each has its own unique composition and taste. A vast variety of kneader class machine are available to suit various capacity and kneading requirements. The next task is namkeen extrusion for which namkeen extruders are used, Namkeen Extruder machine is useful for extruding gram flour, spices dough (besan) into various shapes. However, in this case it's used to extrude dough in shape of namkeen. The machine is fitted over fryer or namkeen frying machine. The extruded product lands into the frying tank and then is simply fried. The shapes of the products can be altered by using dies of different sizes and shapes.

After frying, besnan namkeen are passed through de-oiling machine which simply removes all excess oil from the namkeen. Thus, namkeen is ready after this step for seasoning. These de-oiled namkeens are fed to seasoning machine which utilizes its tumbler arrangement to uniformly season these namkeens with salt and spices as per end product. Finally the namkeen is then weighed, filled in packets and sealed in order to make it ready for sale and dispatch though automatic filling and packaging machines are utilized by large scale manufacturers to maintain high production rate with automation.



FLOW CHART OF BESAN NAMKEEN

## 4. ECONOMICS OF THE PROJECT

#### 4.1. BASIS & PRESUMPTIONS

- Production Capacity of Besan Namkeen is 100 kg per hr. First year, Capacity has been taken
   a 35%.
- 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 24 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 BESAN NAMKEEN				
Items to be Manufactured				
Besan Namkeen				
Machine capacity Per hour	100	Kg		
Total working Hours	8			
Machine capacity Per Day	800	Kg		
Working days in a month	25	Days		
Working days per annum	300			
Wastage Considered	5%			
Raw material requirement	240000	Kg		
Final Output per annum after wastage	228000	Kg		
Final Product to be packed in 1 kg packet				
Number of Packets per annum	228000	1 Kg Packet		

Production of Besan Namkeen		
Production	Capacity	Packets
1st year	35%	79,800
2nd year	40%	91,200
3rd year	45%	1,02,600
4th year	50%	
5th year	55%	1,14,000 1,25,400

Raw Material Co	ost			
Year Capacity		Rate	Amount	
	Utilisation	(per packet)	(Rs. in lacs)	
1st year	35%	65.00	51.87	
2nd year	40%	68.25	62.24	
3rd year	45%	71.66	73.52	
4th year	50%	75.24	85.77	
5th year	55%	79.00	99.07	

COMPUTATION O	F SALE				
Particulars	1st year	2nd year	3rd year	4th year	5th year
Op Stock	-	1,862	2,128	2,394	2,660
Production	79,800	91,200	1,02,600	1,14,000	1,25,400
Less: Closing Stock	1,862	2,128	2,394	2,660	2,926
Net Sale	77,938	90,934	1,02,334	1,13,734	1,25,134
Sale price per packet	125.00	131.00	138.00	145.00	152.00
Sales (in Lacs)	97.42	119.12	141.22	164.91	190.20

#### 4.3. PREMISES/INFRASTRUCTURE

The approximate total area required for complete factory setup is 3000-3500 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
Flour Sifter	It's a sifter class machine which is used to perform sifting process and remove any larger particulate impurities from flour.	
Metal Detector	It's a simple machine that utilizes electromagnetic induction to detect any metal present in given bulk material.	
Dough Kneader	This machine simplify kneads the raw material ingredients i.e. flour with other raw materials to produce the required dough.	
De-Oiling Machine	It's a simple machine designed to dry the given product within specified range, by removing extra oil by utilizing appropriate mechanisms; the simplest class of this machine utilize a perforated drum and motor arrangement, to simply centrifuge the excess oil, while continuous line utilize vibrating tray or air dryer type arrangements.	

Namkeen Fryer Machine	It's a fryer class machine used to fry various namkeens like shev, bhujia or namkeen constituents.	
Namkeen Extruder	It's a extruder class machine used to extrude the dough into various namkeen components using appropriate dies.	
Seasoning Machine	It's a simple rotating tumbler device used to apply seasoning and salt on given product, in this case namkeens.	
Nitrogen Flush Packaging Machine	The functioning of machine is simple, it forms an open pouch by two step sealing, followed by filling of chips, nitrogen flushing and final sealing to obtain the namkeen filled packet.	
Material handling and other Equipment's	These Equipment's are used for material handling. Other equipment's like water pumps, weighing machine, food grade conveyor, storage tank, kitchen tools, etc are also used.	

Machine	Unit	Rate	Price
Flour Sifter	1	175000	175000
Metal Detector	1	140000	140000
Dough Kneader	1	185000	185000
De-Oiling Machine	1	150000	150000
Namkeen Fryer Machine	1	120000	120000
Namkeen Extruder	1	135000	135000
Seasoning Machine	1	165000	165000
Nitrogen Flush Packaging Machine	1	125000	125000
Material handling and other equipment's (Bins,	-	300000	300000
trolley, pumps, food grade conveyor, storage			
tanks, kitchen tools, weighing machine, etc.)			

**Note:** Total Machinery cost shall be Rs 14.95 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	14.95		
Miscellaneous Assets	1.50		
Working capital	5.20		
Total	21.65		

#### 4.7. MEANS OF FINANCE

MEANS OF FINANCE			
PARTICULARS	AMOUNT		
Own Contribution (min 10%)	2.15		
Subsidy @35%(Max. Rs 10 Lac)	5.76		
Term Loan @ 55%	9.05		
Working Capital (Bank Finance)	4.68		
Total	21.65		

**4.8. TERM LOAN:** Term loan of Rs.9.05 Lakh is required for project cost of Rs. 21.65 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	Amount	Audition	1 Otal	Interest	Кераушен	Dalance	
150	opening Bulance							
	1st month	-	9.05	9.05	-	-	9.05	
	2nd month	9.05	-	9.05	0.08	-	9.05	
	3rd month	9.05	-	9.05	0.08	-	9.05	
	4th month	9.05	-	9.05	0.08		9.05	
	5th month	9.05	-	9.05	0.08		9.05	
	6th month	9.05	-	9.05	0.08		9.05	
	7th month	9.05	-	9.05	0.08	0.17	8.88	
	8th month	8.88	-	8.88	0.08	0.17	8.71	
	9th month	8.71	-	8.71	0.08	0.17	8.54	
	10th month	8.54	-	8.54	0.08	0.17	8.38	
	11th month	8.38	-	8.38	0.08	0.17	8.21	
	12th month	8.21	_	8.21	0.08	0.17	8.04	
					0.89	1.01		
2nd	Opening Balance							
	1st month	8.04	-	8.04	0.07	0.17	7.87	
	2nd month	7.87	-	7.87	0.07	0.17	7.71	
	3rd month	7.71	-	7.71	0.07	0.17	7.54	
	4th month	7.54	-	7.54	0.07	0.17	7.37	
	5th month	7.37	-	7.37	0.07	0.17	7.20	

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	6th month	7.20	-	7.20	0.07	0.17	7.04
	7th month	7.04	-	7.04	0.06	0.17	6.87
	8th month	6.87	-	6.87	0.06	0.17	6.70
	9th month	6.70	-	6.70	0.06	0.17	6.53
	10th month	6.53	-	6.53	0.06	0.17	6.37
	11th month	6.37	-	6.37	0.06	0.17	6.20
	12th month	6.20	-	6.20	0.06 <b>0.78</b>	0.17 <b>2.01</b>	6.03
3rd	Opening Balance				0.70	2.01	
	1st month	6.03	-	6.03	0.06	0.17	5.86
	2nd month	5.86	-	5.86	0.05	0.17	5.70
	3rd month	5.70	-	5.70	0.05	0.17	5.53
	4th month	5.53	-	5.53	0.05	0.17	5.36
	5th month	5.36	-	5.36	0.05	0.17	5.19
	6th month	5.19	-	5.19	0.05	0.17	5.03
	7th month	5.03	-	5.03	0.05	0.17	4.86
	8th month	4.86	-	4.86	0.04	0.17	4.69
	9th month	4.69	-	4.69	0.04	0.17	4.52
	10th month	4.52	-	4.52	0.04	0.17	4.36
	11th month	4.36	-	4.36	0.04	0.17	4.19
	12th month	4.19		4.19	0.04	0.17	4.02
					0.56	2.01	
4th	Opening Balance						
	1 41.	4.00		4.02	0.04	0.17	2.05
	1st month	4.02	-	4.02	0.04	0.17	3.85
l	2nd month	3.85	-		0.04	0.17	3.69

				3.85			
	3rd month	3.69	-	3.69	0.03	0.17	3.52
	4th month	3.52	-	3.52	0.03	0.17	3.35
	5th month	3.35	-	3.35	0.03	0.17	3.18
	6th month	3.18	-	3.18	0.03	0.17	3.02
	7th month	3.02	-	3.02	0.03	0.17	2.85
	8th month	2.85	-	2.85	0.03	0.17	2.68
	9th month	2.68	-	2.68	0.02	0.17	2.51
	10th month	2.51	-	2.51	0.02	0.17	2.35
	11th month	2.35	-	2.35	0.02	0.17	2.18
	12th month	2.18	-	2.18	0.02	0.17	2.01
					0.34	2.01	
5th	Opening Balance						
	1st month	2.01	-	2.01	0.02	0.17	1.84
	2nd month	1.84	-	1.84	0.02	0.17	1.68
	3rd month	1.68	-	1.68	0.02	0.17	1.51
	4th month	1.51	-	1.51	0.01	0.17	1.34
	5th month	1.34	-	1.34	0.01	0.17	1.17
	6th month	1.17	-	1.17	0.01	0.17	1.01
	6th month 7th month	1.17 1.01	-	1.17 1.01	0.01	0.17 0.17	1.01 0.84
	7th month	1.01	-	1.01	0.01	0.17	0.84
	7th month 8th month	1.01 0.84	-	1.01 0.84	0.01	0.17 0.17	0.84

			0.17		
			0.12	2.01	
DOOR TO DOOR MORATORIUM	60	MONTHS			
PERIOD	6	MONTHS			
REPAYMENT PERIOD	54	MONTHS			

## 4.10. WORKING CAPITAL CALCULATIONS

COMPUTATION OF CLOSING STOCK & WORKING CAPITAL						
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year	
Finished Goods						
	1.95	2.32	2.72	3.15	3.62	
Raw Material						
	1.21	1.45	1.72	2.00	2.31	
Closing Stock	3.16	3.77	4.44	5.16	5.93	

<b>COMPUTATION C</b>	)F WORKI	NG CAPITA	AL REQUI	REMENT	
TRADITIONAL METHOD					(in Lacs)
Particulars	Amount	Own Ma	ırgin	Bank Finance	
Finished Goods & Raw Material	3.16				
Less: Creditors	1.21				
Paid stock	1.95	10%	0.19	90%	1.75
<b>Sundry Debtors</b>	3.25	10%	0.32	90%	2.92
	5.20		0.52		4.68
MPBF					4.68
WORKING CAPITAL LIMIT I	DEMAND (	from Bank)			4.68
Working Capital Margin					0.52

### 4.11. SALARY & WAGES

BREAK UP OF LABOUR CHAI			
Particulars	Wages	No of	Total
	Rs. per Month	Employees	Salary
Plant Operator	16,000	3	48,000
Supervisor	20,000	1	20,000
Skilled (in thousand rupees)	15,000	3	45,000
Unskilled (in thousand rupees)	6,500	5	32,500
Total salary per month			1,45,500
Total annual labour charges	(in lacs)		17.46

BREAK UP OF STAFF SALARY CHARGES					
Particulars	Salary	No of	Total		
	Rs. per Month	Employees	Salary		
Administrative Staff	8,000	2	16,000		
Manager	20,000	1	20,000		
Accountant	16,000	1	16,000		
Total salary per month			52,000		
Total annual Staff charges	(in lacs)		6.24		

# **4.12 POWER REQUIREMENT**

<b>Utility Charges (per month</b>		
Particulars	value	Description
Power connection required	24	KWH
consumption per day	192	units
Consumption per month	4,800	units
Rate per Unit	10	Rs.
power Bill per month	48,000	Rs.

## **4.13. DEPRECIATION CALCULATION**

COMPUTATION OF DEPRECIATION						
Description	Plant & Machinery	Miss. Assets	TOTAL			
Rate of Depreciation	15.00%	10.00%				
<b>Opening Balance</b>	-	-	-			
Addition	14.95	1.50	16.45			
Total	14.95	1.50	16.45			
Less: Depreciation	2.24	0.15	2.39			
WDV at end of Year	12.71	1.35	14.06			
Additions During The Year	-	-	-			
Total	12.71	1.35	14.06			
Less: Depreciation	1.91	0.14	2.04			
WDV at end of Year	10.80	1.22	12.02			
Additions During The Year	-	-	-			
Total	10.80	1.22	12.02			
Less: Depreciation	1.62	0.12	1.74			
WDV at end of Year	9.18	1.09	10.27			
Additions During The Year	_	-	-			
Total	9.18	1.09	10.27			
Less: Depreciation	1.38	0.11	1.49			
WDV at end of Year	7.80	0.98	8.79			
Additions During The Year		-				
Total	7.80	0.98	8.79			
Less: Depreciation	1.17	0.10	1.27			
WDV at end of Year	6.63	0.89	7.52			

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

## 4.15. PROJECTIONS OF PROFITABILITY ANALYSIS

PROJECTED PROFITABILITY STATEMENT					
PARTICULARS	1st year	2nd year	3rd year		
Capacity Utilisation %	35%	40%	45%	50%	55%
SALES					
Gross Sale					
Besan Namkeen	97.42	119.12	141.22	164.91	190.20
Total	97.42	119.12	141.22	164.91	190.20
COST OF SALES					
Raw Material Consumed	51.87	62.24	73.52	85.77	99.07
Electricity Expenses	5.76	6.62	7.62	8.76	9.64
Depreciation	2.39	2.04	1.74	1.49	1.27
Wages & labour	17.46	20.95	25.14	28.91	33.25
Repair & maintenance	2.92	3.57	4.24	4.95	5.71
Packaging	3.12	3.81	4.52	5.28	6.09
<b>Cost of Production</b>	83.52	99.25	116.78	135.16	155.01
Add: Opening Stock /WIP	-	1.95	2.32	2.72	3.15
Less: Closing Stock /WIP	1.95	2.32	2.72	3.15	3.62
Cost of Sales	81.57	98.88	116.37	134.73	154.55
GROSS PROFIT	15.85	20.24	24.85	30.18	35.65
	16.27%	16.99%	17.60%	18.30%	18.74%
Salary to Staff	6.24	8.11	9.65	12.07	13.88
Interest on Term Loan	0.89	0.78	0.56	0.34	0.12
Interest on working Capital	0.51	0.51	0.51	0.51	0.51
Rent	3.60	4.32	5.18	6.22	7.15
selling & adm exp	2.05	2.98	3.53	4.12	4.76
TOTAL	13.29	16.71	19.44	23.27	26.42
NET PROFIT	2.56	3.54	5.41	6.92	9.23
	2.63%	2.97%	3.83%	4.20%	4.85%
Taxation	-	-	0.21	0.53	0.93
PROFIT (After Tax)	2.56	3.54	5.19	6.39	8.30

# 4.16. BREAK EVEN POINT ANALYSIS

BREAK EVEN POINT ANALYSIS					
Year	I	II	Ш	IV	V
Net Sales & Other Income	97.42	119.12	141.22	164.91	190.20
Less: Op. WIP Goods	-	1.95	2.32	2.72	3.15
Add : Cl. WIP Goods	1.95	2.32	2.72	3.15	3.62
Total Sales	99.37	119.49	141.63	165.34	190.67
Variable & Semi Variable Exp.					
Raw Material Consumed	51.87	62.24	73.52	85.77	99.07
Electricity Exp/Coal Consumption at 85%	4.90	5.63	6.47	7.45	8.19
Wages & Salary at 60%	14.22	17.44	20.88	24.59	28.28
Selling & adminstrative Expenses 80%	1.64	2.38	2.82	3.30	3.80
Interest on working Capital	0.514432	0.514432	0.514432	0.514432	0.514432
Repair & maintenance	2.92	3.57	4.24	4.95	5.71
Packaging	3.12	3.81	4.52	5.28	6.09
Total Variable & Semi Variable Exp	79.18	95.60	112.97	131.85	151.64
Contribution	20.19	23.90	28.66	33.50	39.02
Fixed & Semi Fixed Expenses					
Electricity Exp/Coal Consumption at 15%	0.86	0.99	1.14	1.31	1.45
Wages & Salary at 40%	9.48	11.63	13.92	16.39	18.85
Interest on Term Loan	0.89	0.78	0.56	0.34	0.12
Depreciation	2.39	2.04	1.74	1.49	1.27
Selling & adminstrative Expenses 20%	0.41	0.60	0.71	0.82	0.95
Rent	3.60	4.32	5.18	6.22	7.15
Total Fixed Expenses	17.63	20.36	23.25	26.58	29.79
Capacity Utilization	35%	40%	45%	50%	55%
OPERATING PROFIT	2.56	3.54	5.41	6.92	9.23
BREAK EVEN POINT	31%	34%	37%	40%	42%
BREAK EVEN SALES	86.78	101.81	114.92	131.19	145.56

## 4.17. PROJECTED BALANCE SHEET

PROJECTED BALANCE SHEET							
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year		
<u>Liabilities</u>							
Capital							
opening balance		7.47	7.51	8.70	10.09		
Add:- Own Capital	2.15						
Add:- Retained Profit	2.56	3.54	5.19	6.39	8.30		
Less:- Drawings	3.00	3.50	4.00	5.00	6.00		
Subsidy/grant	5.76						
Closing Balance	7.47	7.51	8.70	10.09	12.39		
Term Loan	8.04	6.03	4.02	2.01	-		
Working Capital Limit	4.68	4.68	4.68	4.68	4.68		
Sundry Creditors	1.21	1.45	1.72	2.00	2.31		
Provisions & Other Liab	0.40	0.50	0.60	0.72	0.86		
TOTAL:	21.80	20.17	19.71	19.50	20.24		
Assets							
Fixed Assets (Gross)	16.45	16.45	16.45	16.45	16.45		
Gross Dep.	2.39	4.43	6.18	7.66	8.93		
Net Fixed Assets	14.06	12.02	10.27	8.79	7.52		
<b>Current Assets</b>							
Sundry Debtors	3.25	3.97	4.71	5.50	6.34		
Stock in Hand	3.16	3.77	4.44	5.16	5.93		
Cash and Bank	1.34	0.41	0.29	0.06	0.45		
TOTAL:	21.80	20.17	19.71	19.50	20.24		

## 4.18. CASH FLOW STATEMENT

PROJECTED CASH FLOW STATEMENT							
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year		
SOURCES OF FUND							
Own Margin	2.15						
Net Profit	2.56	3.54	5.41	6.92	9.23		
Depriciation & Exp. W/off	2.39	2.04	1.74	1.49	1.27		
Increase in Cash Credit	4.68	-	-	-	-		
Increase In Term Loan	9.05	-	_	-	-		
Increase in Creditors	1.21	0.24	0.26	0.29	0.31		
Increase in Provisions & Oth liability	0.40	0.10	0.10	0.12	0.14		
Sunsidy/grant	5.76						
TOTAL:	28.20	5.92	7.51	8.81	10.96		
APPLICATION OF FUND							
Increase in Fixed Assets	16.45						
Increase in Stock	3.16	0.61	0.67	0.71	0.77		
Increase in Debtors	3.25	0.72	0.74	0.79	0.84		
Repayment of Term Loan	1.01	2.01	2.01	2.01	2.01		
Drawings	3.00	3.50	4.00	5.00	6.00		
Taxation	_	_	0.21	0.53	0.93		
TOTAL:	26.86	6.84	7.63	9.04	10.56		
					_		
Opening Cash & Bank Balance	_	1.34	0.41	0.29	0.06		
Add : Surplus	1.34	-0.92	-0.12	-0.23	0.40		
Closing Cash & Bank Balance	1.34	0.41	0.29	0.06	0.45		

# 4.19. DEBT SERVICE COVERAGE RATIO

CALCULATION OF D.S.C.R					
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
CASH ACCRUALS	4.95	5.58	6.93	7.88	9.57
Interest on Term Loan	0.89	0.78	0.56	0.34	0.12
Total	5.84	6.36	7.49	8.22	9.69
REPAYMENT					
Instalment of Term Loan	1.01	2.01	2.01	2.01	2.01
Interest on Term Loan	0.89	0.78	0.56	0.34	0.12
Total	1.89	2.79	2.57	2.35	2.13
DEBT SERVICE COVERAGE RATIO	3.08	2.28	2.91	3.49	4.55
AVERAGE D.S.C.R.					3.20