



DETAILED PROJECT REPORT

DAL MILL (GRAM BASED)

UNDER PMFME SCHEME



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Ministry of Food Processing Industries

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PM FME- Detailed Project Report of Dal Mill (Gram Based) Unit
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1. PROJECT SUMMARY

1. Name of the proposed project	:	Dal Mill Unit
2. Nature of proposed project	:	Proprietorship/Company/Partnership
3. Proposed project capacity	:	456000Kg/annum(55,58,60,60,&62% capacity utilization in 1 st to 5 th Year respectively)
4. Raw materials	:	Chick Peas
5. Major product outputs	:	Dal
6. Total project cost	:	Rs.17.72 Lakh
• Land development, building & Civil Construction	:	Nil
• Machinery and equipment's	:	Rs.5.78 Lakh
• Miscellaneous Fixed Assets	:	Rs.2.50 Lakh
• Working capital	:	Rs.9.44 Lakh
8. Means of Finance		
• Subsidy (max 10lakhs)	:	Rs.2.90 Lakh
• Promoter's contribution (min10%)	:	Rs.1.76 Lakh
• Term loan	:	Rs.4.55 Lakh
• Working Capital Requirement	:	Rs.8.50 Lakh
9. Profit after Depreciation, Interest & Tax		
• 1 st year	:	Rs.1.01 Lakh
• 2 nd year	:	Rs.2.87 Lakh
• 3 rd year	:	Rs.4.07 Lakh
• 4 th year	:	Rs.4.21 Lakh
• 5th year	:	Rs.5.11 Lakh
11. Average DSCR	:	3.88
12. Term loan repayment	:	5 Years with 6 months grace period

2. ABOUT THE PRODUCT

2.1. PRODUCT INTRODUCTION:

Pulses refer to the dried, edible seeds of leguminous crops. Pulses play a fundamental role as a low-fat source of protein and an essential component of traditional food baskets. These are most essential element for a well-balanced diet and major source of protein to vegetarian people of India. There are several varieties of pulses in India. Most of them are produced and consumed locally.

Chickpeas (Chana), pigeon peas (Arhar / Toor Dal), Urad (Urad Dal), Mung (Moong) and red lentils (Masoor) are the top five pulses grown in India. These pulses account for over 80 per cent of the total production in the country. The conversion of pulses seed into Dal is done through the process of milling. A Dal mill should be located in rural or semi-urban area which have excess production of pulses and connected to market. The project deals with variety of dal such as Masoor Dal, Chana Dal, Urad Dal, etc.

HEALTH BENEFITS OF PULSES

➤ GOOD FOR HEART

Dals and pulses are among the healthiest foods you can eat. They are very nutritious food, unlike the junk food with empty calories. They are known to reduce the level of bad cholesterol in the body and thus help to improve the heart health. They prevent cholesterol based heart diseases and reduce the risk of heart attack. Also, high amount of potassium and low amount of sodium in some of the pulses and dals aid in regulating blood pressure.

➤ **GREAT SOURCE OF NOURISHMENT**

One can get abundance of vitamins and minerals if those of pulses and dals are counted together. The varied yet important set of nutrients that these sub-groups carry fulfills a major part of your balanced diet. Pulses are a great source of fiber, calcium, potassium and folate. On the other hand, dals are rich in protein, iron, vitamin B, magnesium and zinc. All the mentioned nutrients are required daily by the body for its proper functioning and maintenance of health.

➤ **LOWER RISK OF DISEASES**

Their extensive and rich nutrient profile translates that they have numerous health benefits to offer. Many of the pulses and dals have low-glycemic index. This means that they don't cause a spike in blood sugar levels after meals. Regular consumption of these types of food helps to control blood sugar in diabetic patients. They are also high in antioxidants that fight off free radicals and keep the immune system strong to prevent several diseases.

➤ **IMPORTANT ROLE IN GROWING STAGE**

Regular consumption of dals and pulses is a great way to attain nutrients like protein and calcium. They can substitute seafood and animal products in terms of nutrients if you are a vegetarian. A nutritious diet is very important especially when you are in your growing stages. Children and adolescents need a balanced diet so that they get required energy and their body and mind can develop properly. Many children, who are underweight, weak or fall sick easily, need to inculcate healthy foods like dals and pulses in their daily diet

2.2 MARKET POTENTIAL:

Pulses are generally used along with rice and Chapatti as Dal. Dal, garnished with onions, tomatoes and spices is an indispensable nibble in household. The various pulses are part of the normal diet of all vegetarians and are also used frequently by non-vegetarians too. They are the main sources of protein. The pulses are used for preparing hot dishes, sweet dishes and other varieties. Pulses are the most common diet part of Indian families. Dal is dry cereal, which is taken to fulfill the requirements of protein for a normal human being. Due to the high content of proteins pulses are mixed in other cereal foods to increase the quality of proteins to be injected in the body.

India pulses market reached a volume of 27.5 Million Tons in 2019. The market for pulses/Dal is present largely in India where ninety per cent of the produce is consumed locally. Pulses are now increasingly being used in the processing of ready-to-eat (RTE) food products. As a result of rapid urbanization, changing lifestyle and hectic work schedules, healthy snack foods are becoming popular amongst the working population. The demand for pulses will never end but will increase in an increasing rate and rise in population also drives the demand for pulses.

2.3 RAW MATERIAL DESCRIPTION:

Basic raw material that is used in Dal mill is chick peas that are directly procured from farmers and packing material used to pack finished product.

Average Raw Material Cost is Rs. 67-80 kg.

3. PROCESS FLOW CHART

The raw material i.e. some pea depending on type of dal like chick pea in case of chana dal, are procured from vendor or farmers and are stored in raw material warehouse as per production requirements. The appropriate type of pea is taken from warehouse into the milling plant as per type of dal to be produced. These peas are then fed to a soaking tank filled with water, where the peas are allowed to soak in water for good period of time usually close to 24hrs for many dals.

After appropriate soaking a bucket elevator carries these peas from soaking tank to air dryers equipped with blowers or to terrace for sun drying, where worker spread peas appropriately in case of latter arrangement.

The dried peas are fed to a Reel Machine with appropriate grit size which basically perform the function of removing major foreign particles like other peas, sticks, leaves etc.

These peas are then fed to emery roll dehusker which simply removes the husk or skin of the peas, thus generating whole dal. This whole dal is feed to another reel machine with finer grit size to remove the husk and other smaller impurities.

This whole dal is now fed to lentil splitting machine, which simply shear opens the whole dal into two halves thus the dal is obtained, this dal is now fed to dal polisher which simply polishes the dal and improves its appearance followed by which these dals are collected in bins, from where they are packed in sacks and sent for sale.

Note: All dal with similar sized peas can be processed in same unit as long as machine can accommodate range of variation.

4. ECONOMICS OF THE PROJECT

4.1. BASIS & PRESUMPTIONS

1. Production Capacity taken of Gram Chana Dal is 1600 kg per day. First year, Capacity has been taken @ 55%.
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 08 days.
5. Credit period by the Sundry Creditors has been provided for 20 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 10 KW.
10. Increase in sales and raw material costing has been taken @ 5% on an yearly basis.

4.2. CAPACITY, UTILIZATION, PRODUCTION & OUTPUT

COMPUTATION OF PRODUCTION OF CHANA DAL (GRAM BASED PRODUCT)

Items to be Manufactured

Chana Dal (Gram Based Product)

Machine capacity Per hour	200	Kg
Total working Hours	8	
Machine capacity Per Day	1,600	Kg
Working days in a month	25	Days
Working days per annum	300	
Wastage Considered	5%	
Raw material requirement	480000	Kg
Final Output per annum after wastage	456000	Kg
Final Product to be packed in 1 kg Packet		
Number of Packets per annum	456000	Kg

Production of Chana Dal (Gram Based Product)

Production	Capacity	KG
1st year	55%	2,50,800
2nd year	58%	2,64,480
3rd year	60%	2,73,600
4th year	60%	2,73,600
5th year	62%	2,82,720

Raw Material Cost			
Year	Capacity Utilisation	Rate (per Kg)	Amount (Rs. in lacs)
1st year	55%	67.50	178.20
2nd year	58%	71.00	197.66
3rd year	60%	75.00	216.00
4th year	60%	79.00	227.52
5th year	62%	83.00	247.01





<u>COMPUTATION OF SALE</u>					
Particulars	1st year	2nd year	3rd year	4th year	5th year
Op Stock	-	12,540	13,224	13,680	13,680
Production	2,50,800	2,64,480	2,73,600	2,73,600	2,82,720
Less : Closing Stock	12,540	13,224	13,680	13,680	14,136
Net Sale	2,38,260	2,63,796	2,73,144	2,73,600	2,82,264
sale price per packet	88.00	92.00	97.00	102.00	107.00
Sales (in Lacs)	209.67	242.69	264.95	279.07	302.02

4.3. PREMISES/INFRASTRUCTURE


The approximate total area required for complete factory setup is 1200-1500 Sq. ft. for smooth production including storage area. It is expected that the premises will be on rental.

4.4. MACHINERY & EQUIPMENTS

<p>Bucket Elevator</p>	<p>A bucket elevator, also called a grain leg, is a mechanism for hauling flowable bulk materials vertically. It consists of: Buckets to contain the material</p>	
<p>Reel machine</p>	<p>Reel Machine is used to separate out impurities from the grains which are bigger or smaller than mainstream material size. Reel cleaning machinery is very versatile and it is used in several applications.</p>	 <p style="text-align: center;">Reel Machine</p>
<p>Conveyor</p>	<p>Conveyor Systems are mechanical devices or assemblies that transport material with minimal effort. While there are many different kinds of conveyor systems, they usually consist of a frame that supports either rollers, wheels, or a belt, upon which materials move from one place to another.</p>	
<p>Emery roll De husker</p>	<p>Emery Roller is a machine for de-husking pulses thus this machine some time called as pulses Splitter. They are used in various pulses mills.</p>	

<p>Dal Polisher</p>	<p>Polishing is done to increase consumers appeal and is a form of value addition, though not desirable. Dal is polished in different ways, such as nylon polish, oil/water polish, leather and makhmal polish. Generally polishing is done using soap stone, oil or water. Polishing gives uniform look and shine to each grain.</p>	
<p>Lentil Splitting Machine (Chakki 18")</p>		
<p>D- Stoner</p>	<p>The main function of these machines to removes stones, dust and heavy impurities from grains.</p>	
<p>Storage Tank</p>	<p>Storage tanks serve two major purposes. One is to provide storage volume and the other is to provide pressure to the distribution system. A particular tank can serve one or both purposes depending on its location within the system and its type of configuration. There are a variety of tank types or configurations.</p>	

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Soaking Container	These are used for soaking the product and the raw material stored in the unit.	
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Machine	Unit	Rate	Price
Bucket Elevator (200 kg/hr)	1	50,400	50,400
Reel machine (200 kg/hr)	1	75,000	45,000
Conveyor	1	45,000	45,000
Emery roll De husker (200 kg/hr)	1	50,000	50,000
Dal Polisher (200 kg/hr)	1	55,000	55,000
Lentil Splitting Machine (Chakki 18")	1	95,000	95,000
D- Stoner (200-250 kg/hr)	1	78,000	78,000
Storage Tank (50 Ton)	1	1,50,000	1,50,000
Soaking Container	5	2,000	10,000

Note: Cost of the machinery is approx. Rs.5.78 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	5.78
Miscellaneous Assets	2.50
Working capital	9.44
Total	17.72

4.7. MEANS OF FINANCE

MEANS OF FINANCE	
PARTICULARS	AMOUNT
Own Contribution (min 10%)	1.76
Subsidy @35%(Max. Rs 10 Lac)	2.90
Term Loan @ 55%	4.55
Working Capital (Bank Finance)	8.50
Total	17.72

4.8. TERM LOAN: Term loan of Rs.4.55 Lakh is required for project cost of Rs.17.72 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	-	4.55	4.55	-	-	4.55
	2nd month	4.55	-	4.55	0.04	-	4.55
	3rd month	4.55	-	4.55	0.04	-	4.55
	4th month	4.55	-	4.55	0.04		4.55
	5th month	4.55	-	4.55	0.04		4.55
	6th month	4.55	-	4.55	0.04		4.55
	7th month	4.55	-	4.55	0.04	0.08	4.47
	8th month	4.47	-	4.47	0.04	0.08	4.39
	9th month	4.39	-	4.39	0.04	0.08	4.30
	10th month	4.30	-	4.30	0.04	0.08	4.22
	11th month	4.22	-	4.22	0.04	0.08	4.13
	12th month	4.13	-	4.13	0.04	0.08	4.05
					0.45	0.51	
2nd	Opening Balance						
	1st month	4.05	-	4.05	0.04	0.08	3.96
	2nd month	3.96	-	3.96	0.04	0.08	3.88
	3rd month	3.88	-	3.88	0.04	0.08	3.80

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4th month	3.80	-	3.80	0.03	0.08	3.71
5th month	3.71	-	3.71	0.03	0.08	3.63
6th month	3.63	-	3.63	0.03	0.08	3.54
7th month	3.54	-	3.54	0.03	0.08	3.46
8th month	3.46	-	3.46	0.03	0.08	3.37
9th month	3.37	-	3.37	0.03	0.08	3.29
10th month	3.29	-	3.29	0.03	0.08	3.20
11th month	3.20	-	3.20	0.03	0.08	3.12
12th month	3.12	-	3.12	0.03	0.08	3.04
				0.39	1.01	
3rd	Opening Balance					
1st month	3.04	-	3.04	0.03	0.08	2.95
2nd month	2.95	-	2.95	0.03	0.08	2.87
3rd month	2.87	-	2.87	0.03	0.08	2.78
4th month	2.78	-	2.78	0.03	0.08	2.70
5th month	2.70	-	2.70	0.02	0.08	2.61
6th month	2.61	-	2.61	0.02	0.08	2.53
7th month	2.53	-	2.53	0.02	0.08	2.45
8th month	2.45	-	2.45	0.02	0.08	2.36
9th month	2.36	-	2.36	0.02	0.08	2.28
10th month	2.28	-	2.28	0.02	0.08	2.19
11th month	2.19	-	2.19	0.02	0.08	2.11
12th month	2.11	-	2.11	0.02	0.08	2.02
				0.28	1.01	
4th	Opening Balance					

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1st month	2.02	-	2.02	0.02	0.08	1.94
2nd month	1.94	-	1.94	0.02	0.08	1.86
3rd month	1.86	-	1.86	0.02	0.08	1.77
4th month	1.77	-	1.77	0.02	0.08	1.69
5th month	1.69	-	1.69	0.02	0.08	1.60
6th month	1.60	-	1.60	0.01	0.08	1.52
7th month	1.52	-	1.52	0.01	0.08	1.43
8th month	1.43	-	1.43	0.01	0.08	1.35
9th month	1.35	-	1.35	0.01	0.08	1.27
10th month	1.27	-	1.27	0.01	0.08	1.18
11th month	1.18	-	1.18	0.01	0.08	1.10
12th month	1.10	-	1.10	0.01	0.08	1.01
				0.17	1.01	
5th	Opening Balance					
1st month	1.01	-	1.01	0.01	0.08	0.93
2nd month	0.93	-	0.93	0.01	0.08	0.84
3rd month	0.84	-	0.84	0.01	0.08	0.76
4th month	0.76	-	0.76	0.01	0.08	0.67
5th month	0.67	-	0.67	0.01	0.08	0.59
6th month	0.59	-	0.59	0.01	0.08	0.51
7th month	0.51	-	0.51	0.00	0.08	0.42
8th month	0.42	-	0.42	0.00	0.08	0.34
9th month	0.34	-	0.34	0.00	0.08	0.25
10th month	0.25	-	0.25	0.00	0.08	0.17
11th month	0.17	-	0.17	0.00	0.08	0.08

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12th month	0.08	-	0.08	0.00	0.08	-
				0.06	1.01	
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					
	10.23	11.27	12.29	12.92	13.98
Raw Material					
	5.94	6.59	7.20	7.58	8.23
Closing Stock	16.17	17.86	19.49	20.50	22.22

COMPUTATION OF WORKING CAPITAL REQUIREMENT					
TRADITIONAL METHOD					(in Lacs)
Particulars	Amount	Own Margin		Bank Finance	
Finished Goods & Raw Material	16.17				
Less : Creditors	11.88				
Paid stock	4.29	10%	0.43	90%	3.86
Sundry Debtors	5.59	10%	0.56	90%	5.03
	9.88		0.99		8.89
MPBF					8.89
WORKING CAPITAL LIMIT DEMAND (from Bank)					8.50
Working Capital Margin					0.94

4.11. SALARY & WAGES

<u>BREAK UP OF LABOUR CHARGES</u>			
Particulars	Wages Rs. per Month	No of Employees	Total Salary
Skilled (in thousand rupees)	16,000	1	16,000
Unskilled (in thousand rupees)	8,500	2	17,000
Total salary per month			33,000
Total annual labour charges	(in lacs)		3.96

<u>BREAK UP OF STAFF SALARY CHARGES</u>			
Particulars	Salary Rs. per Month	No of Employees	Total Salary
Helper	9,000	2	18,000
Accountant	18,000	1	18,000
Total salary per month			36,000
Total annual Staff charges	(in lacs)		4.32

4.12 POWER REQUIREMENT

Utility Charges (per month)		
Particulars	value	Description
Power connection required	10	KWH
consumption per day	80	units
Consumption per month	2,000	units
Rate per Unit	10	Rs.
power Bill per month	20,000	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	5.78	2.50	8.28
Total	5.78	2.50	8.28
Less : Depreciation	0.87	0.25	1.12
WDV at end of Year	4.91	2.25	7.16
Additions During The Year	-	-	-
Total	4.91	2.25	7.16
Less : Depreciation	0.74	0.23	0.96
WDV at end of Year	4.18	2.03	6.20
Additions During The Year	-	-	-
Total	4.18	2.03	6.20
Less : Depreciation	0.63	0.20	0.83
WDV at end of Year	3.55	1.82	5.37
Additions During The Year	-	-	-
Total	3.55	1.82	5.37
Less : Depreciation	0.53	0.18	0.71
WDV at end of Year	3.02	1.64	4.66
Additions During The Year	-	-	-
Total	3.02	1.64	4.66
Less : Depreciation	0.45	0.16	0.62
WDV at end of Year	2.56	1.48	4.04

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					
Chana Dal (Gram Based Product)	209.67	242.69	264.95	279.07	302.02
Total	209.67	242.69	264.95	279.07	302.02
<u>COST OF SALES</u>					
Raw Material Consumed	178.20	197.66	216.00	227.52	247.01
Electricity Expenses	2.40	2.76	3.17	3.65	4.02
Depreciation	1.12	0.96	0.83	0.71	0.62
Wages & labour	3.96	3.37	3.20	2.72	2.34
Repair & maintenance	5.24	6.07	6.62	6.98	7.55
Packaging	13.63	14.56	15.90	16.74	18.12
Cost of Production	204.55	225.38	245.72	258.32	279.65
Add: Opening Stock /WIP	-	10.23	11.27	12.29	12.92
Less: Closing Stock /WIP	10.23	11.27	12.29	12.92	13.98
Cost of Sales	194.32	224.34	244.70	257.69	278.58
GROSS PROFIT	15.35	18.35	20.25	21.38	23.44
	7.32%	7.56%	7.64%	7.66%	7.76%
Salary to Staff	4.32	4.10	3.90	4.48	4.93
Interest on Term Loan	0.45	0.39	0.28	0.17	0.06
Interest on working Capital	0.94	0.94	0.94	0.94	0.94
Rent	3.60	3.96	4.36	4.79	5.27
selling & adm exp	5.03	6.07	6.62	6.70	6.95
TOTAL	14.33	15.46	16.10	17.08	18.14
NET PROFIT	1.01	2.89	4.15	4.30	5.30
	0.48%	1.19%	1.57%	1.54%	1.75%
Taxation	-	0.02	0.08	0.09	0.18
PROFIT (After Tax)	1.01	2.87	4.07	4.21	5.11

4.16. BREAK EVEN POINT ANALYSIS

BREAK EVEN POINT ANALYSIS					
Year	I	II	III	IV	V
Net Sales & Other Income	209.67	242.69	264.95	279.07	302.02
Less : Op. WIP Goods	-	10.23	11.27	12.29	12.92
Add : Cl. WIP Goods	10.23	11.27	12.29	12.92	13.98
Total Sales	219.90	243.73	265.97	279.70	303.09
Variable & Semi Variable Exp.					
Raw Material Consumed	178.20	197.66	216.00	227.52	247.01
Electricity Exp/Coal Consumption at 85%	2.04	2.35	2.70	3.10	3.41
Wages & Salary at 60%	4.97	4.48	4.26	4.32	4.36
Selling & administrative Expenses 80%	4.03	4.85	5.30	5.36	5.56
Interest on working Capital	0.935	0.935	0.935	0.935	0.935
Repair & maintenance	5.24	6.07	6.62	6.98	7.55
Packaging	13.63	14.56	15.90	16.74	18.12
Total Variable & Semi Variable Exp	209.04	230.91	251.71	264.96	286.95
Contribution	10.86	12.82	14.26	14.74	16.14
Fixed & Semi Fixed Expenses					
Electricity Exp/Coal Consumption at 15%	0.36	0.41	0.48	0.55	0.60
Wages & Salary at 40%	3.31	2.99	2.84	2.88	2.91
Interest on Term Loan	0.45	0.39	0.28	0.17	0.06
Depreciation	1.12	0.96	0.83	0.71	0.62
Selling & administrative Expenses 20%	1.01	1.21	1.32	1.34	1.39
Rent	3.60	3.96	4.36	4.79	5.27
Total Fixed Expenses	9.84	9.93	10.11	10.45	10.85
Capacity Utilization	55%	58%	60%	60%	62%
OPERATING PROFIT	1.01	2.89	4.15	4.30	5.30
BREAK EVEN POINT	50%	45%	43%	43%	42%
BREAK EVEN SALES	199.35	188.76	188.56	198.16	203.67

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		5.67	8.05	9.61	10.82	
Add:- Own Capital	1.76					
Add:- Retained Profit	1.01	2.87	4.07	4.21	5.11	
Less:- Drawings	-	0.50	2.50	3.00	3.00	
Subsidy/grant	2.90					
Closing Balance	5.67	8.05	9.61	10.82	12.93	
Term Loan	4.05	3.04	2.02	1.01	-	
Working Capital Limit	8.50	8.50	8.50	8.50	8.50	
Sundry Creditors	11.88	13.18	14.40	15.17	16.47	
Provisions & Other Liab	0.40	0.50	0.60	0.72	0.86	
TOTAL :	30.50	33.26	35.14	36.22	38.77	
<u>Assets</u>						
Fixed Assets (Gross)	8.28	8.28	8.28	8.28	8.28	
Gross Dep.	1.12	2.08	2.91	3.62	4.24	
Net Fixed Assets	7.16	6.20	5.37	4.66	4.04	
Current Assets						
Sundry Debtors	5.59	6.47	7.07	7.44	8.05	
Stock in Hand	16.17	17.86	19.49	20.50	22.22	
Cash and Bank	1.58	2.73	3.21	3.62	4.45	
TOTAL :	30.50	33.26	35.14	36.22	38.77	

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	1.76				
Net Profit	1.01	2.89	4.15	4.30	5.30
Depriciation & Exp. W/off	1.12	0.96	0.83	0.71	0.62
Increase in Cash Credit	8.50	-	-	-	-
Increase In Term Loan	4.55	-	-	-	-
Increase in Creditors	11.88	1.30	1.22	0.77	1.30
Increase in Provisions & Oth lib	0.40	0.10	0.10	0.12	0.14
Sunsidy/grant	2.90				
TOTAL :	32.13	5.25	6.30	5.90	7.35
<u>APPLICATION OF FUND</u>					
Increase in Fixed Assets	8.28				
Increase in Stock	16.17	1.69	1.63	1.01	1.72
Increase in Debtors	5.59	0.88	0.59	0.38	0.61
Repayment of Term Loan	0.51	1.01	1.01	1.01	1.01
Drawings	-	0.50	2.50	3.00	3.00
Taxation	-	0.02	0.08	0.09	0.18
TOTAL :	30.54	4.10	5.82	5.49	6.52
Opening Cash & Bank Balance	-	1.58	2.73	3.21	3.62
Add : Surplus	1.58	1.15	0.48	0.41	0.83
Closing Cash & Bank Balance	1.58	2.73	3.21	3.62	4.45

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	2.13	3.83	4.90	4.92	5.73
Interest on Term Loan	0.45	0.39	0.28	0.17	0.06
Total	2.58	4.23	5.18	5.09	5.79
<u>REPAYMENT</u>					
Instalment of Term Loan	0.51	1.01	1.01	1.01	1.01
Interest on Term Loan	0.45	0.39	0.28	0.17	0.06
Total	0.95	1.41	1.29	1.18	1.07
DEBT SERVICE COVERAGE RATIO	2.70	3.01	4.00	4.30	5.40
AVERAGE D.S.C.R.	3.88				