

DETAILED PROJECT REPORT

TUR DAL MILL UNIT UNDER PMFME SCHEME



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Ministry of Food Processing Industries

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1. Name of the proposed project	:	Tur Dal Mill Unit
2. Nature of proposed project	:	Proprietorship/Company/Partnership
3. Proposed project capacity	:	432000Kg/annum(55,58,60,62,&65% capacity utilization in 1 st to 5 th Year respectively)
4. Raw materials	:	Pigeon Peas
5. Major product outputs	:	Tur Dal
6. Total project cost	:	Rs.22.46 Lakh
Land development, building & Civil Construction	:	Nil
Machinery and equipment's	:	Rs.11.82 Lakh
Miscellaneous Fixed Assets	:	Rs.1.20 Lakh
Working capital	:	Rs.9.44 Lakh
8. Means of Finance		
Subsidy (max 10lakhs)	:	Rs.4.56 Lakh
Promoter's contribution (min10%)	:	Rs.2.24 Lakh
Term loan	:	Rs.7.16 Lakh
Working Capital Requirement	:	Rs.8.50 Lakh
9. Profit after Depreciation, Interest & Tax		
• 1 st year	:	Rs.1.16 Lakh
• 2 nd year	:	Rs.2.16 Lakh
• 3 rd year	:	Rs.3.41 Lakh
• 4 th year	:	Rs.4.76 Lakh
• 5th year	:	Rs.6.37 Lakh
11. Average DSCR	:	2.97
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 TUR DAL

The product provides numerous health benefits some of which are listed below;

- Provides energy
- > Excellent source of vegetarian protein
- ➤ Keeps your heart healthy
- Diabetic friendly
- > Improves Insulin Response
- ➤ Lowers Blood Pressure
- ➤ High Fiber
- Weight loss

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 a increasing rate and rise in population also drives the demand for pulses.

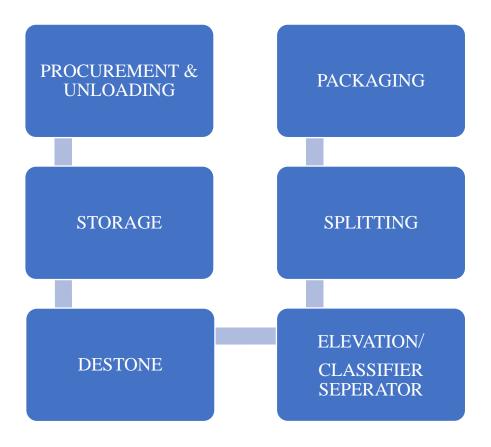
2.3 RAW MATERIAL DESCRIPTION:

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

3. PROCESS FLOW CHART

- ➤ The Pigeon Pea crop is purchased from suppliers and unloaded in an unloading bin which is a bin with a rod or pipe grit to prevent large stones, branches and any other similarly large agent from entering the Pulse Milling Plant.
- Escalators carry the Pigeon Peas into the storage tank of milling plant, from here the pigeon peas are feed to cyclone separator which simply cleans these pigeon peas by removing dust, the pigeon peas are feed to Destoner while the dust is collected in a large dust collection bin.
- ➤ Destoner simply removes stones from pigeon peas, the stone fall of in a separate tank while pigeon peas fall into a silo, from where they are feed uniformly to various Emery Roll DE husker which simply utilize their respective emery roller set to remove husk of pigeon peas so as to obtain whole tur dal.
- This whole tur dal is elevated to a higher level by an elevator where it's feed to another silo which, in turn supplies it to various Classifier Separator, which simply remove any impurities like leaves, sand, other lighter grains etc. from tur dal.
- This whole tur dal is now feed to a Lentil Splitting Machine which simply splits the whole tur dal into two pieces generating the final product; which falls in a separate silo; from these silos tur dal are feed to Pulse grader which simply utilizes its vibration and grading trays to separate good tur dal from slightly broken dal, completely broken dal and remaining dirt, all these sorted components fall in separate silos while dirt is collected in a separate bin, with their own feeder arrangement.
- The feeder of these silos is opened after placing a sack in its open end so as to fill the sack with tur dal. These sacks are then stitched utilizing a sack stitching machine, weighed to verify the weight content and are then sent for sale.

FLOW CHART OF THE PROCESS



4. ECONOMICS OF THE PROJECT

4.1. BASIS & PRESUMPTIONS

- 1. Production Capacity of Toor Dal taken is 200 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 08 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 15 days.
- 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 TUR DAI	<u>.</u> <u>4</u>	
Items to be Manufactured		
Tur Dal		
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	10%	
Raw material requirement	480000	Kg
Final Output per annum after wastage	432000	Kg
Final Product to be packed in 1 kg Packet		
Number of Packets per annum	432000	Kg

Production of Tur Dal		
Production	Capacity	KG
1st year	55%	2,37,600
2nd year	58%	2,50,560
3rd year	60%	2,59,200
4th year	62%	2,67,840
5th year	65%	2,80,800

Raw Material Cost			
Year	Capacity Utilisation	Rate (per Kg)	Amount (Rs. in lacs)
1st year	55%	80.00	211.20
2nd year	58%	84.00	233.86
3rd year	60%	88.00	253.44
4th year	62%	92.00	273.79
5th year	65%	97.00	302.64

COMPUTATION OF SALE							
Particulars	1st year	2nd year	3rd year	4th year	5th year		
Op Stock	-	7,920	8,352	8,640	8,928		
Production Less: Closing	2,37,600	2,50,560	2,59,200	2,67,840	2,80,800		
Stock	7,920	8,352	8,640	8,928	9,360		
Net Sale	2,29,680	2,50,128	2,58,912	2,67,552	2,80,368		
sale price per packet	120.00	126.00	132.00	139.00	146.00		
Sales (in Lacs)	275.62	315.16	341.76	371.90	409.34		

4.3. PREMISES/INFRASTRUCTURE

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

4.4. MACHINERY & EQUIPMENTS

Horizontal Cyclone Separator	It's used to separate particulate matter within an air suspension using their weight difference.	
Destoner	It's a machine designed to remove stones from the given product, which in this case are pulses.	
Emery Roll Dehusker	It's a machine which utilizes emery rollers to remove outer skin of pulses	
Classifier Separator	It's a machine which is used to separate whole dehusked pulse from husk.	

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Lentil Splitting Machine	It's a machine designed to split the whole dehusked pulse into two halves, locally called as chakki.	
Pulse Grader	It's a machine used to separate pulses into unbroken, partially broken & broken dal.	
Unloading Bin	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.	To the second se
Dust Collection Bin	These are large bins usually used in dust collection system to efficiently store the removed dirt from system or product.	
Silos	These equipments are class of storage equipments 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.	

Machine	Unit	Rate	Price
Horizontal Cyclone Separator	1	65,000	65,000
Destoner (300 kg/hr)	1	52,000	52,000
Emery Roll Dehusker (300 kg/hr)	1	50,000	50,000
Classifier Separator	1	2,50,000	2,50,000
Lentil Splitting Machine (400 kg/hr)	1	1,75,000	1,75,000
Pulse Grader (300-400 kg/hr)	1	1,10,000	1,10,000
Unloading Bin (120 Liter)	2	2,100	4,200
Dust Collection Bin(1100 Liters)	1	25,500	25,500
Silos (50 Ton Capacity)	1	4,50,000	4,50,000

Note: Cost of the machinery is approx. Rs.11.82 Lakhs excluding GST and other transportation cost.

4.5. MISCELLANEOUS FIXED ASSETS

- ➤ Water Supply Arrangements
- > Furniture

4.6. TOTAL COST OF PROJECT

COST OF PR	OJECT
	(in Lacs)
PARTICULARS	Amount
Land & Building	Owned/Rented
Plant & Machinery	11.82
Miscellaneous Assets	1.20
Working capital	9.44
Total	22.46

4.7. MEANS OF FINANCE

MEANS OF FINANCE			
PARTICULARS	AMOUNT		
Own Contribution (min 10%)	2.24		
Subsidy @35%(Max. Rs 10 Lac)	4.56		
Term Loan @ 55%	7.16		
Working Capital (Bank Finance)	8.50		
Total	22.46		

4.8. TERM LOAN: Term loan of Rs.7.16 Lakh is required for project cost of Rs.22.46 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	-	7.16	7.16	-	-	7.16
	2nd month	7.16	-	7.16	0.07	-	7.16
	3rd month	7.16	-	7.16	0.07	-	7.16
	4th month	7.16	-	7.16	0.07		7.16
	5th month	7.16	-	7.16	0.07		7.16
	6th month	7.16	-	7.16	0.07		7.16
	7th month	7.16	-	7.16	0.07	0.13	7.03

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	8th month	7.03	-	7.03	0.06	0.13	6.90
	9th month	6.90	-	6.90	0.06	0.13	6.76
	10th month	6.76	-	6.76	0.06	0.13	6.63
	11th month	6.63	-	6.63	0.06	0.13	6.50
	12th month	6.50	_	6.50	0.06	0.13	6.37
					0.70	0.80	
2nd	Opening Balance						
	1st month	6.37	-	6.37	0.06	0.13	6.23
	2nd month	6.23	-	6.23	0.06	0.13	6.10
	3rd month	6.10	-	6.10	0.06	0.13	5.97
	4th month	5.97	-	5.97	0.05	0.13	5.83
	5th month	5.83	-	5.83	0.05	0.13	5.70
	6th month	5.70	-	5.70	0.05	0.13	5.57
	7th month	5.57	-	5.57	0.05	0.13	5.44
	8th month	5.44	-	5.44	0.05	0.13	5.30
	9th month	5.30	-	5.30	0.05	0.13	5.17
	10th month	5.17	-	5.17	0.05	0.13	5.04
	11th month	5.04	-	5.04	0.05	0.13	4.91
	12th month	4.91		4.91	0.04	0.13	4.77
					0.62	1.59	
3rd	Opening Balance						
	1st month	4.77	-	4.77	0.04	0.13	4.64
	2nd month	4.64	-	4.64	0.04	0.13	4.51
	3rd month	4.51	-	4.51	0.04	0.13	4.38
	4th month	4.38	-	4.38	0.04	0.13	4.24

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	5th month	4.24	-	4.24	0.04	0.13	4.11
	6th month	4.11	-	4.11	0.04	0.13	3.98
	7th month	3.98	-	3.98	0.04	0.13	3.85
	8th month	3.85	-	3.85	0.04	0.13	3.71
	9th month	3.71	-	3.71	0.03	0.13	3.58
	10th month	3.58	-	3.58	0.03	0.13	3.45
	11th month	3.45	-	3.45	0.03	0.13	3.32
	12th month	3.32	-	3.32	0.03	0.13	3.18
					0.44	1.59	
4th	Opening Balance						
	1st month	3.18	-	3.18	0.03	0.13	3.05
	2nd month	3.05	-	3.05	0.03	0.13	2.92
	3rd month	2.92	-	2.92	0.03	0.13	2.78
	4th month	2.78	-	2.78	0.03	0.13	2.65
	5th month	2.65	-	2.65	0.02	0.13	2.52
	6th month	2.52	-	2.52	0.02	0.13	2.39
	7th month	2.39	-	2.39	0.02	0.13	2.25
	8th month	2.25	-	2.25	0.02	0.13	2.12
	9th month	2.12	-	2.12	0.02	0.13	1.99
	10th month	1.99	-	1.99	0.02	0.13	1.86
	11th month	1.86	-	1.86	0.02	0.13	1.72
	12th month	1.72	-	1.72	0.02	0.13	1.59
					0.27	1.59	
5th	Opening Balance						
	1st month	1.59	-	1.59	0.01	0.13	1.46

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2nd month	1.46	-	1.46	0.01	0.13	1.33
3rd month	1.33	-	1.33	0.01	0.13	1.19
4th month	1.19	-	1.19	0.01	0.13	1.06
5th month	1.06	-	1.06	0.01	0.13	0.93
6th month	0.93	-	0.93	0.01	0.13	0.80
7th month	0.80	-	0.80	0.01	0.13	0.66
8th month	0.66	-	0.66	0.01	0.13	0.53
9th month	0.53	-	0.53	0.00	0.13	0.40
10th month	0.40	-	0.40	0.00	0.13	0.27
11th month	0.27	-	0.27	0.00	0.13	0.13
12th month	0.13	_	0.13	0.00	0.13	_
				0.09	1.59	
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							
	8.88	9.85	10.64	11.57	12.67		
Raw Material							
_	5.63	6.24	6.76	7.30	8.07		
Closing Stock	14.52	16.08	17.40	18.87	20.74		

COMPUTATION OF WORKING CAPITAL REQUIREMENT							
TRADITIONAL METHOD				(in Lacs)		
Particulars	Amount	Own	Margin	Bank Finar			
Finished Goods & Raw Material	14.52						
Less: Creditors	10.56						
Paid stock	3.96	10%	0.40	90%	3.56		
Sundry Debtors	5.51	10%	0.55	90%	4.96		
	9.47		0.95		8.52		
MPBF					8.52		
WORKING CAPITAL LIMIT DEMAND (from Bank)							
Working Capital Margin							

4.11. SALARY & WAGES

BREAK UP OF LABOUR CHA	RGES		
Particulars	Wages	No of	Total
	Rs. per Month	Employees	Salary
Supervisor	20,000	1	20,000
Plant Operator	20,000	1	20,000
Skilled (in thousand rupees)	15,000	4	60,000
Unskilled (in thousand rupees)	8,500	8	68,000
Total salary per month			1,68,000
Total annual labour charges	(in lacs)		20.16

BREAK UP OF STAFF SALARY CHARGES								
Particulars	Salary Rs. per Month	No of Employees	Total Salary					
Administrative Staff	10,000	2	20,000					
Manger	20,000	1	20,000					
Accountant	15,000	1	15,000					
Total salary per month			55,000					
Total annual Staff charges	(in lacs)		6.60					

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 DEPI	RECIATION		(in Lacs)
COMPUTATION OF BEIL	RECIATION	Miss.	Lacs)
Description	Plant & Machinery	Assets	TOTAL
Rate of Depreciation	15.00%	10.00%	
Opening Balance	-	-	-
Addition	11.82	1.20	13.02
Total	11.82	1.20	13.02
Less: Depreciation	1.77	0.12	1.89
WDV at end of Year	10.05	1.08	11.13
Additions During The Year	-	-	_
Total	10.05	1.08	11.13
Less: Depreciation	1.51	0.11	1.62
WDV at end of Year	8.54	0.97	9.51
Additions During The Year	-	-	-
Total	8.54	0.97	9.51
Less: Depreciation	1.28	0.10	1.38
WDV at end of Year	7.26	0.87	8.13
Additions During The Year	-	-	_
Total	7.26	0.87	8.13
Less: Depreciation	1.09	0.09	1.18
WDV at end of Year	6.17	0.79	6.96
Additions During The Year	-	-	_
Total	6.17	0.79	6.96
Less: Depreciation	0.93	0.08	1.00
WDV at end of Year	5.24	0.71	5.95

4.14. REPAIR & MAINTENANCE: Repair & Maintenance is 2.5% of Gross Sale.

4.15. PROJECTIONS OF PROFITABILITY ANALYSIS

PROJECTED PROFITABIL	ITY STATE	<u>MENT</u>			(in Lacs)
		2nd	3rd	4th	
PARTICULARS	1st year	year	year	year	5th year
Capacity Utilisation %	55%	58%	60%	62%	65%
SALES					
Gross Sale					
Tur Dal	275.62	315.16	341.76	371.90	409.34
Total	275.62	315.16	341.76	371.90	409.34
COST OF SALES					
Raw Material Consumed	211.20	233.86	253.44	273.79	302.64
Electricity Expenses	6.00	6.90	7.94	9.13	10.04
Depreciation	1.89	1.62	1.38	1.18	1.00
Wages & labour	20.16	22.18	25.72	32.16	36.98
Repair & maintenance	6.89	7.88	8.54	9.30	10.23
Packaging	20.40	23.01	22.21	21.57	19.24
Cost of Production	266.54	295.43	319.24	347.12	380.13
Add: Opening Stock /WIP	-	8.88	9.85	10.64	11.57
Less: Closing Stock /WIP	8.88	9.85	10.64	11.57	12.67
Cost of Sales	257.65	294.47	318.44	346.19	379.03
GROSS PROFIT	17.96	20.69	23.32	25.71	30.31
	6.52%	6.57%	6.82%	6.91%	7.40%
Salary to Staff	6.60	7.66	9.34	10.74	11.82
Interest on Term Loan	0.70	0.62	0.44	0.27	0.09
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	4.96	5.36	4.78	4.09	5.32
TOTAL	16.80	18.53	19.86	20.83	23.44
NET PROFIT	1.16	2.16	3.46	4.88	6.87
	0.42%	0.69%	1.01%	1.31%	1.68%
Taxation	-	-	0.05	0.12	0.50
PROFIT (After Tax)	1.16	2.16	3.41	4.76	6.37

4.16. BREAK EVEN POINT ANALYSIS

BREAK EVEN POINT ANALYSIS					
Year	I	II	III	IV	V
Net Sales & Other Income	275.62	315.16	341.76	371.90	409.34
Less : Op. WIP Goods	-	8.88	9.85	10.64	11.57
Add : Cl. WIP Goods	8.88	9.85	10.64	11.57	12.67
Total Sales	284.50	316.12	342.56	372.83	410.44
Variable & Semi Variable Exp.					
Raw Material Consumed	211.20	233.86	253.44	273.79	302.64
Electricity Exp/Coal Consumption at					
85%	5.10	5.87	6.74	7.76	8.53
Wages & Salary at 60%	16.06	17.90	21.04	25.74	29.28
Selling & adminstrative Expenses 80%	3.97	4.29	3.83	3.27	4.26
Interest on working Capital	0.935	0.935	0.935	0.935	0.935
Repair & maintenance	6.89	7.88	8.54	9.30	10.23
Packaging	20.40	23.01	22.21	21.57	19.24
Total Variable & Semi Variable Exp	264.55	293.73	316.74	342.36	375.11
Contribution	19.95	22.40	25.81	30.47	35.32
Fixed & Semi Fixed Expenses	T	T			
Electricity Exp/Coal Consumption at	0.00	1.04	1.10	1.07	1.51
15%	0.90	1.04	1.19	1.37	1.51
Wages & Salary at 40%	10.70	11.93	14.03	17.16	19.52
Interest on Term Loan	0.70	0.62	0.44	0.27	0.09
Depreciation	1.89	1.62	1.38	1.18	1.00
Selling & adminstrative Expenses 20%	0.99	1.07	0.96	0.82	1.06
Rent	3.60	3.96	4.36	4.79	5.27
Total Fixed Expenses	18.79	20.23	22.35	25.58	28.46
Capacity Utilization	55%	58%	60%	62%	65%
OPERATING PROFIT	1.16	2.16	3.46	4.88	6.87
BREAK EVEN POINT	52%	52%	52%	52%	52%
BREAK EVEN SALES	267.94	285.60	296.64	313.09	330.64

4.17. PROJECTED BALANCE SHEET

PROJECTED BALANCE SHEET							
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year		
<u>Liabilities</u>							
Capital		- 0.	0.10	10.00	44 =0		
opening balance		7.96	8.62	10.03	11.79		
Add:- Own Capital	2.24						
Add:- Retained Profit	1.16	2.16	3.41	4.76	6.37		
Less:- Drawings	-	1.50	2.00	3.00	4.00		
Subsidy/grant	4.56						
Closing Balance	7.96	8.62	10.03	11.79	14.16		
Term Loan	6.37	4.77	3.18	1.59	-		
Working Capital Limit	8.50	8.50	8.50	8.50	8.50		
Sundry Creditors	10.56	11.69	12.67	13.69	15.13		
Provisions & Other Liab	0.40	0.50	0.60	0.72	0.86		
TOTAL:	33.78	34.08	34.98	36.29	38.66		
Assets							
Fixed Assets (Gross)	13.02	13.02	13.02	13.02	13.02		
Gross Dep.	1.89	3.51	4.89	6.06	7.07		
Net Fixed Assets	11.13	9.51	8.13	6.96	5.95		
Current Assets							
Sundry Debtors	5.51	6.30	6.84	7.44	8.19		
Stock in Hand	14.52	16.08	17.40	18.87	20.74		
Cash and Bank	2.62	2.19	2.62	3.03	3.78		
TOTAL:	33.78	34.08	34.98	36.29	38.66		

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	2.24						
Net Profit	1.16	2.16	3.46	4.88	6.87		
Depriciation & Exp. W/off	1.89	1.62	1.38	1.18	1.00		
Increase in Cash Credit	8.50	-	-	-	-		
Increase In Term Loan	7.16	-	-	-	-		
Increase in Creditors	10.56	1.13	0.98	1.02	1.44		
Increase in Provisions & Oth lib	0.40	0.10	0.10	0.12	0.14		
Sunsidy/grant	4.56						
TOTAL:	36.47	5.01	5.92	7.20	9.46		
APPLICATION OF FUND							
Increase in Fixed Assets	13.02						
Increase in Stock	14.52	1.57	1.32	1.47	1.87		
Increase in Debtors	5.51	0.79	0.53	0.60	0.75		
Repayment of Term Loan	0.80	1.59	1.59	1.59	1.59		
Drawings	-	1.50	2.00	3.00	4.00		
Taxation	-	-	0.05	0.12	0.50		
TOTAL:	33.84	5.45	5.49	6.79	8.71		
Opening Cash & Bank Balance	-	2.62	2.19	2.62	3.03		
Add : Surplus	2.62	-0.44	0.43	0.41	0.75		
Closing Cash & Bank Balance	2.62	2.19	2.62	3.03	3.78		

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	3.05	3.78	4.79	5.94	7.37
Interest on Term Loan	0.70	0.62	0.44	0.27	0.09
Total	3.76	4.40	5.24	6.21	7.47
REPAYMENT					
Instalment of Term Loan	0.80	1.59	1.59	1.59	1.59
Interest on Term Loan	0.70	0.62	0.44	0.27	0.09
Total	1.50	2.21	2.04	1.86	1.69
DEBT SERVICE COVERAGE RATIO	2.51	1.99	2.57	3.34	4.43
AVERAGE D.S.C.R.					2.97