

PROJECT REPORT
ON
SIZING UNIT FOR SHUTTLELESS LOOMS
(JOB WORK)



INDEX		
Chapter	Heading	Page
1.	Introduction.	3
2.	Project at a glance.	5
3.	Project estimation.	6
4.	Operating cost details.	7
5.	Sales realization	12
6.	Financial projections.	13
7.	Assumptions.	18

PROJECT REPORT ON MODERNAISATION OF SIZING UNITS SUITABLE FOR SHUTTLE LESS LOOMS

1. INTRODUCTION:

Ahead of the continuous efforts that are being taken towards modernising of the decentralised power loom sector, the **Regional office of the Textile Commissioner, Mumbai** has prepared various project reports that suitable to various textile clusters of its region. It is perceived on the paradoxical assumption that, these project reports will give a fair idea to the weavers of this sector, regarding the various requirements, benefits, viability, suitability, profitability etc., while implementing such projects, and also help by and large to prepare a bankable project with their own details. This project of SIZING UNIT for shuttle less looms has been considered suitable for Bhiwandi powerloom cluster owing to its present setup and kind of products being produced in this area. We expect that the number of shuttle less looms installation will be grow substantially in and around Bhiwandi area in the near future and it is necessary to cater the need of sized yarn to this sector. This project is also suitable to any of the other region of the country where manufacturing of plain and simple dobby designed fabrics is being produced on shuttle less looms. The advantages of the project over the present ordinary sizing machine can be briefly listed as:

1. Higher production than the plain sizing machines.
2. Remarkable improvement on quality of sized yarn resulting defect free fabrics and improvement in looms efficiency.
3. Reduction of Waste
4. More productivity.
5. Low operating Costs. Etc.
6. Suitable to any type of fabrics with range of counts of yarn and fiber types.
7. If such sizing facilities are available, more and more power loom owners of decentralized sector will come forward to install shuttle less looms, as the investments required for shuttle less looms projects is getting reduced substantially.

The above advantages are resulting to conceive a viable project with higher margin of profits.

1.2..BASIS & ASSUMPTIONS:

1. The basis for the calculation of the production capacity is normally on 3-shift basis & 350 working days in a month. It is presumed that the unit may reach its production capacity to 40 % level in the first year and 50 % level there after.
2. Non refundable deposits project preparation costs etc., wherever needed may be considered under pre operative expenses.
3. The rate of interest on term loan has been taken as 9% under TUF Scheme and On Working capital loan it is 14%.
4. The break even point has been calculated on 50% capacity utilization.
5. The machinery & equipment as indicated are refer to a particular type. The prices are nearer to true value / approximate & the same may vary slightly.

6. The provisions made in other respect viz., raw materials, personals, utilities, Overheads, etc., are drawn on the basis of standard operation & output ratios and the costs indicated against each are approximate and based on local market condition & observations.

1.3.GENERAL CHARACTERISTICS OF THE PROJECT:

1.3.1.Products:

The project was worked for the sizing on job work basis with the following specifications, which has better market demands.

Description	Cloth width (Inches)	Warp	Weft	Reed	Pick	Gsm
Grey sheeting	72"	40s	40s	72	64	84.78

1.3.2. Marketing:

The demand for the above and similar sorts are more in the Bhiwandi area as the same is being the basic cloth used in the Export garment units in the Mumbai region after processing the gray i.e., fabric bleaching, dying or and printing etc., Incidentally in and around including Bhiwandi, there exists processing capacity of 205 lakhs meters per annum by power operated process houses and 95 lakhs meters per annum by hand process houses to process the gray fabrics. Therefore there is a wide scope of getting job work for sizing of grey yarn.

Therefore the demand for these fabrics is high and available plenty for job work.

1.3.3 Quality :

The quality of the sized yarn produced in the modern sizing machines are highly suitable for shuttleless looms. Testing facilities are available at the local PSC labs both for yarn and fabrics to ensure quality requirements.

1.4. ENTREPRENEUR DETAILS:

The project is suitable in general to both the existing sizing units as a replacement program or for expansion program and also for new entrants. The project was found viable as worked out in the following tables presented here. The exiting entrepreneur having suitable buildings will have an added advantage in terms investment and expertise.

2..PROJECT AT A GLANCE
Sizing Unit Project (for Shuttle less Looms)

S.No.	Particulars	
1.	Installed Capacity	1 Sizing Machine (With Double Size Box)
2.	Production capacity/day Production –100% -Utilisation Production – 45% -Utilisation Production – 50% -Utilisation	4436 Kgs. of Yarn 1996 Kgs. of Yarn 2218 Kgs. of Yarn
3.	Project Cost Dept : Equity Ratio Equity Term Loan	155.0 Lakhs 2 : 1 55.0 Lakhs. 100.0 Lakhs
4.	Sales Realisation(Job Work) Cost of Production Gross Profit	102.48Lakhs 36.53 ,, 65.95 ,,
5.	Net Profit after Financial Charges& Depreciation	29.23 Lakhs
6.	Average DSCR IRR Payback Period Break Even Point Cash Breakeven Point	2.24 32.56% 6 years 43.18% 30.29%
7.	Installed Load Labour compliment	104 KVA 24

3. PROJECT ESTIMATION

3.1..COST OF PROJECT

S.No.	Description	Cost (Lakhs)
1	Land	3.00
2.	Buildings	16.25
3.	Plant & Machinery	120.50
4.	Preliminary and pre operative Expenses (5% of Above)	6.94
5.	Provision for Contingencies (5% of Above)	7.34
6.	Margin Money for Working Capital	0.97
	TOTAL	155.00

3.2.. MEANS OF FINANCE

(Rs. Lakhs)		
S.No.	Description	Amount
1.	Total Equity	55.00
2.	Term Loan	100.00
	Total	155.00

Dept Equity Ratio = 2 : 1

3.3. LAND AND BUILDING

S.NO.	Description	Area (Sq.mts)	Cost (Lakhs)
1.	Land	1000	3.00
2.	Warping& Sizing shed @2500/-	500	12.50
3.	Yarn & Beam Storage @2500/-	40	1.00
4.	Office-Room @2500/-	30	0.75
5.	Store-Room @2500/-	40	1.00
6.	Work Shop @2500/-	40	1.00
	Total		19.25

3.4. PLANT AND MACHINERY

Rs.

S.No.	Description	Unit Price	No. of Machines	Total Cost (Lakhs)
1.	Double Size Box Sizing Machine & Cooking/Storage	45.00	1	45.00
2.	Spindle Driven Warping Machine	26.00	1	26.00
3.	DG Set & Electricals	25.00	1	25.00
4.	Beams	0.25	30	7.50
5.	Compressor	1.00	1	1.00
6.	Boiler	9.50	1	9.50
7.	Fire Fighting Equipment	0.10	5	0.50
8.	Steam & Water Pipes	--	--	2.00
9.	Electrical & Work shop M/cs	--	--	2.00
10.	Weighing Equipments	--	--	0.50
11.	Material Handling	--	--	0.50
12.	Office Equipment/Furniture/Computer	--	--	1.00
				120.50

4. OPERATING COST DETAILS

4.1.COST OF CONSUMABLES STORES AND SPARES

S.No.	Weaving(Stores & Spares)	Cost/Day (Rs.)	Cost/annum Rs. in Lakhs
1.	Warping Section @ Rs. 50 PerM/c Shift	150/-	0.53
2.	Sizing Section @ Rs.75 PerM/c Shift	225/-	0.79
TOTAL			1.32

4.2.1. POWER REQUIREMENT

S.No.	Items	No. of M/cs	KW per M/c	Total KW	KW- Hrs (24hrs)
1.	Sizing Machine & Size cooking	1	40.00	40.00	960
2.	Warping Machine	1	28.00	28.00	672
3.	Compressor	1	5.00	5.00	120
4.	Miscellaneous	--	5.00	5.00	120
4.	Lighting	--	5.00	5.00	120
	Total			83.00	1942

Total Connected Load = 83.00 KW or 104.0 KVA
 Maximum Demand = 75.0 KW or 67.0 KVA
 Transformer Requirement = 75 KVA

4.2.2. Power Cost Details

Cost of Power @ Rs./KWH = 3.50/-
 Power Consumption as % of Connected Load = 70 %

S.No.	Year	Plant Utilisation	Energy Units/ Annum	Power Cost (Rs. Lakhs)
1.	First Year	45%	2,14,106	7.49
2.	Second Year	50%	2,37,895	8.33
3.	Third Year	50%	2,37,895	8.33

4.3. SALARIES AND WAGES

Rs./

S.No.	Description	Nos./day	Wage/ month	Total/ Annam
1.	Production Manager	1	12,000	1,44,000
2.	Production Technician	2	5,000	1,20,000
3.	Production /Store Clerk	2	2,500	60,000
	Total	4		3,24,000
Labour				
1	Sizing M/c -Operators	6	3,000	2,16,000
2.	Warping M/c -Operators	6	3,000	2,16,000
3.	Cooker	2	3,000	72,000
4.	Helpers	4	1,000	48,000
5.	Fitter	1	3,500	42,000
6.	Boiler attendants	3	3,000	1,08,000
7.	Watch Man	2	1,500	36,000
	Total	24		6,38,000
	Grant Total			9,62,000

4.4..SUMMARY OF SALARIES & WAGES

S.No	Description	1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year
1	Wages per Annum (5% increment from 2nd year)	6.38	6.70	7.03	7.39	7.75	8.14
2	Fringe benefits @ 40% of wages	2.55	2.68	2.81	2.95	3.10	3.26
	Total	8.93	9.38	9.85	10.34	10.86	11.40
3	Staff Salaries per Annum (5% increment from 2nd year)	3.24	3.40	3.57	3.75	3.94	4.14
4	Fringe benefits @ 40% of wages	1.30	1.36	1.43	1.50	1.58	1.65
	Total	4.54	4.76	5.00	5.25	5.51	5.79
5	Grand Total	13.47	14.14	14.85	15.59	16.37	17.19

4.5. MARGIN MONEY FOR WORKING CAPITAL

(First Year) Rs. Lakhs						
S.No.	Particulars	Period	Amount	Bank Finance		Margin Money
				%	Amount	
1	Raw Materials	1Month	0.28	75	0.21	0.07
2	Steam cost	1 Month	0.18	75	0.14	0.05
3	Consumable stores & Spares	2Month	0.22	75	0.17	0.06
4	Work in Progress	15 Days	1.16	75	0.87	0.29
5	Factory over heads including Wages, Salaries power & utilities	1Month	1.75	75	1.31	0.44
6	Debtors	1Month	2.32	100	2.32	0.00
	Total		5.91		5.01	0.90
	Interest on Working Capital @ 14%				0.70	
Second year Rs. Lakhs						
S.No.	Particulars	Period	Amount	Bank Finance		Margin Money
				%	Amount	
1	Raw Materials	1Month	0.31	75	0.23	0.08
2	Steam cost	1 Month	0.21	75	0.16	0.05
3	Consumable stores & Spares	2Month	0.22	75	0.17	0.06
4	Work in Progress	15 Days	1.25	75	0.94	0.31
5	Factory over heads including Wages, Salaries power & utilities	1Month	1.88	75	1.41	0.47
6	Debtors	1Month	2.51	100	2.51	0.00
	Total		6.38		5.41	0.97
	Interest on Working Capital @ 14%				0.76	
Third Year Rs. Lakhs						
S.No.	Particulars	Period	Amount	Bank Finance		Margin Money
				%	Amount	
1	Raw Materials	1Month	0.31	75	0.23	0.08
2	Steam cost	1 Month	0.21	75	0.16	0.05
3	Consumable stores & Spares	2Month	0.22	75	0.17	0.06
4	Work in Progress	15 Days	1.25	75	0.94	0.31
5	Factory over heads including Wages, Salaries power & utilities	1Month	1.88	75	1.41	0.47
6	Debtors	1Month	2.51	100	2.51	0.00
	Total		6.38		5.41	0.97
	Interest on Working Capital @ 14%				0.76	

4.6. INTEREST & INSTALMENTS

(Rs.Lakhs)

S.No.	Particulars	Operating years					
		1	2	3	4	5	6
	I- Quarter						
1	Opening Balance	100.00	100.00	80.00	60.00	40.00	20.00
2	Add: increase during half year						
3	Less:Quartely Instalment		5.00	5.00	5.00	5.00	5.00
4	Quartely closing balance		95.00	75.00	55.00	35.00	15.00
5	Quartely Interest @ 9%	2.25	2.25	1.80	1.35	0.90	0.45
	II- Quarter						
1	Opening Balance	100.00	95.00	75.00	55.00	35.00	15.00
2	Less:Quartely Instalment		5.00	5.00	5.00	5.00	5.00
3	Quartely closing balance		90.00	70.00	50.00	30.00	10.00
4	Quartely Interest @ 9%	2.25	2.14	1.69	1.24	0.79	0.34
	III- Quarter						
1	Opening Balance	100.00	90.00	70.00	50.00	30.00	10.00
2	Add: increase during half year						
3	Less:Quartely Instalment		5.00	5.00	5.00	5.00	5.00
4	Quartely closing balance		85.00	65.00	45.00	25.00	5.00
5	Quartely Interest @ 9%	2.25	2.03	1.58	1.13	0.68	0.23
	IV- Quarter						
1	Opening Balance	100.00	85.00	65.00	45.00	25.00	5.00
2	Less:Quartely Instalment		5.00	5.00	5.00	5.00	5.00
3	Quartely closing balance		80.00	60.00	40.00	20.00	0.00
4	Quartely Interest @ 9%	2.25	1.91	1.46	1.01	0.56	0.11
	Annual Instalments						
		0.00	20.00	20.00	20.00	20.00	20.00
	Annual Interest Charges	9.00	8.33	6.53	4.73	2.93	1.13

5.SALES REALISATION : Job Work

5.1.PRODUCTION PLAN : Sizing

Speed (Mts/min)	Efficiency %	Production/Day (Mts)	Size %	Wt of Yarn sized /day (Kg)	Wt of Size Ingredients /day (kg)	Cost/ Kg Of Size Ingredients (Including 20%dead loss)	Cost/ Day (Rs.)
40	45	25,920	10	1996	200	4.80/	960
40	50	28,800	10	2218	222	4.80/	1066
First Year 45% Efficiency (Rs.in Lakhs)							3.36
Second Year 50% Efficiency (Rs.in Lakhs)							3.73
Third Year 50% Efficiency (Rs.in Lakhs)							3.73

5.2. JOB WORK COST REALISATION

S.No.	Fabric Type	Sizing Cost /Kg	Efficiency	Wt. of warp to be sized/ Day(Kg)	Cost Realisation/day (Rs.)
1.	Grey Cotton Fabric <u>40 x 40</u> 72/64 Width = 72”	12-	45%	2196	26,352
			50%	2440	29,280
First year 45% Efficiency (Rs. in Lakhs)					92.32
Second year 50% Efficiency (Rs. in Lakhs)					102.48
Third year 50% Efficiency (Rs. in Lakhs)					102.48

6.. FINANCIAL PROJECTIONS

6.1. ESTIMATES OF COST OF PRODUCTION

(Rs.Lakhs)

S.No.	Particulars	Operating years					
		1	2	3	4	5	6
1	Installed Sizing Machines	1	1	1	1	1	1
2	Efficiency %	45.00	50.00	50.00	50.00	50.00	50.00
3	Estimated production - sized warp(in Lakh of Kgs.)	7.68	8.54	8.54	8.54	8.54	8.54
A --	<u>Raw material Consumable etc.,</u>						
1	Raw Materials(Chemicals)	3.36	3.73	3.73	3.73	3.73	3.73
2	Steam cost	2.21	2.46	2.46	2.46	2.46	2.46
3	Consumable stores &spares	1.32	1.32	1.32	1.32	1.32	1.32
	Total-(A)	6.89	7.51	7.51	7.51	7.51	7.51
B--	<u>Utilities</u>						
1	Power	7.49	8.33	8.33	8.33	8.33	8.33
	Total (B)	7.49	8.33	8.33	8.33	8.33	8.33
C --	<u>Wages & Salaries</u>						
1	Lobur wages	8.93	9.38	9.85	10.34	10.85	11.40
2	Staff Salaries	4.54	4.77	5.01	5.26	5.52	5.79
	Total (C)	13.47	14.14	14.85	15.59	16.37	17.19
D --	<u>Factory Over Heads</u>						
	(10% increase every year)						
1	Repairs & Maintenance	1.00	1.10	1.21	1.33	1.46	1.61
3	Insurance	0.50	0.55	0.61	0.67	0.73	0.81
4	Rent Rates Taxes	0.40	0.44	0.48	0.53	0.59	0.64
5	Misc Expences	0.25	0.28	0.30	0.33	0.37	0.40
	Total (D)	2.15	2.37	2.60	2.86	3.15	3.46
	TOTAL (A+B+C+D)	30.00	32.35	33.29	34.29	35.36	36.49

6.2.. ESTIMATES OF WORKING RESULTS

(Rs.Lakhs)

S.No.	Particulars	Operating years					
		1	2	3	4	5	6
1	Cost of production	30.00	32.35	33.29	34.29	35.36	36.49
2	Administrative Expences	0.92	1.02	1.02	1.02	1.02	1.02
3	Administrative Salaries	2.52	2.65	2.78	2.92	3.06	3.22
4	Selling Expences	0.50	0.51	0.51	0.51	0.51	0.51
5	Selling Commission	0.00	0.00	0.00	0.00	0.00	0.00
6	Sampling	0.00	0.00	0.00	0.00	0.00	0.00
7	Cost of Goods Sold	33.94	36.53	37.61	38.74	39.96	41.24
8	Sizing -Cost Realisation	92.32	102.48	102.48	102.48	102.48	102.48
9	Export Sales	nil	nil	nil	nil	nil	nil
10	Total Sales Turn Over	92.32	102.48	102.48	102.48	102.48	102.48
	Gross operating Profit	58.38	65.95	64.87	63.74	62.52	61.24
<u>Financial Charges</u>							
1	Interest on Term Loan-9%	9.00	8.33	6.53	4.73	2.93	1.13
2	Interest on Working Capital-14%	0.70	0.76	0.76	0.76	0.76	0.76
	Interest Cost	9.70	9.09	7.29	5.49	3.69	1.89
1	Profit before Depreciation	48.68	56.86	57.58	58.25	58.83	59.35
2	Depreciation(SLM)@ 10%	15.10	15.10	15.10	15.10	15.10	15.10
3	Profit Before Tax(PBT)	33.58	41.76	42.48	43.15	43.73	44.25
4	Corporate Tax @ 30% approx.	10.07	12.53	12.75	12.94	13.12	13.27
5	Profit After Tax(PAT)	23.50	29.23	29.74	30.20	30.61	30.97
6	Less: Dividend onShare Capital	0.00	0.00	0.00	0.00	0.00	0.00
7	Retained Profit	23.50	29.23	29.74	30.20	30.61	30.97
8	Add: Depreciation	15.10	15.10	15.10	15.10	15.10	15.10
9	Net Cash Accruals	38.60	44.33	44.84	45.30	45.71	46.07

6.3 CASH FLOW STATEMENT

(Rs.Lakhs)

S.No.	Particulars		Operating Years					
		construction period	1	2	3	4	5	6
	Source of Fund							
1	Increase in share capital	55.00						
2	Profit before taxation with interest added back		43.28	50.85	49.77	48.64	47.42	46.14
3	Provision for Depreciation		15.10	15.10	15.10	15.10	15.10	15.10
4	Increase in secured Term Loans	100.00						
5	Non Convertible Debentures							
6	State subsidy							
7	Increase in bank borrowing for Working capital		5.01	0.40				
	Total (A)	155.00	63.39	66.35	64.87	63.74	62.52	61.24
	B.Disposion of Funds							
1	Capital Expenditure	154.03						
2	Increase in Working capital		5.91	0.47	0.00	0.00	0.00	0.00
3	Decrease in secured FCL							
4	Decrease in secured rupee Loan			20.00	20.00	20.00	20.00	20.00
5	Decrease in non convertible debentures							
6	Decrease in bank borrowing for working Capital							
7	Interest on Term Loans		9.00	8.33	6.53	4.73	2.93	1.13
8	Interest on bank borrowing for working Capital		0.70	0.76	0.76	0.76	0.76	0.76
9	Normal Capital Expenditure		0.00	0.00	0.00	0.00	0.00	0.00
10	Corporate Tax		10.07	12.53	12.75	12.94	13.12	13.27
11	Dividend Equity		0.00	0.00	0.00	0.00	0.00	0.00
12	Total (B)	154.03	25.68	42.09	40.04	38.43	36.81	35.16
13	Opening balance of cash in hand & bank	0.00	0.97	38.68	62.94	87.77	113.08	138.79
14	Net surplus / Deficit (A-B)	0.97	37.71	24.26	24.83	25.31	25.71	26.08
15	Closing balance of cash in hand & bank	0.97	38.68	62.94	87.77	113.08	138.79	164.87

7.4. BALANCE SHEET

(Rs.Lakhs)							
S.No.	Particulars						
	Operating Years---->	1	2	3	4	5	6
	LIABILITIES						
1	Share Capital	55.00	55.00	55.00	55.00	55.00	55.00
2	Reserves& Surplus	23.50	52.73	82.47	112.67	143.28	174.25
3	Public Issue						
4	Issue of Non-Convertible Debentures						
5	Term Foreign Currency Loan(FCL)						
6	Term Rupee Loan	100.00	80.00	60.00	40.00	20.00	0.00
7	Bank Borrowing for Working capital	5.01	5.41	5.41	5.41	5.41	5.41
8	State Subsidy						
	TOTAL	183.51	193.14	202.88	213.08	223.69	234.66
	ASSETS						
1	Gross Block	154.03	154.03	154.03	154.03	154.03	154.03
2		15.10	30.20	45.30	60.40	75.50	90.60
3	Net Block	138.93	123.83	108.73	93.63	78.53	63.43
4	Current Assets	5.90	6.37	6.38	6.37	6.37	6.36
5	Cash & Bank Balance	38.68	62.94	87.77	113.08	138.79	164.87
	TOTAL	183.51	193.14	202.88	213.08	223.69	234.66

5..5. DEBT SERVICE COVERAGE RATIO

(Rs.Lakhs)							
S.No.	Discription						
	Operating Years---->	1	2	3	4	5	6
1	Profit after Tax	23.50	29.23	29.74	30.20	30.61	30.97
2	Add: Depreciation	15.10	15.10	15.10	15.10	15.10	15.10
3	Add: Interest on FCL	0.00	0.00	0.00	0.00	0.00	0.00
4	Add: Interest on Rupee Loan	9.00	8.33	6.53	4.73	2.93	1.13
	TOTAL CASH IN FLOW	47.60	52.66	51.37	50.03	48.64	47.20
5	Instalment. or the year FCL	0.00	0.00	0.00	0.00	0.00	0.00
6	Instalment for the year Rupee loan	0.00	20.00	20.00	20.00	20.00	20.00
7	Add: Interest on FCL	0.00	0.00	0.00	0.00	0.00	0.00
8	Add: Interest on Rupee Loan	9.00	8.33	6.53	4.73	2.93	1.13
	Total Cash Out Flow	9.00	28.33	26.53	24.73	22.93	21.13
9	Annul DSCR	5.29	1.86	1.94	2.02	2.12	2.23
10	Average DSCR	2.24					
11	Maximum DSCR	5.29					
12	Minimum DSCR	1.86					

M.6.. INTERNAL RATE OF REURN

S.No.	Operating Year	Cash out flow	Cash in flow	Net Flow
1	0	154	0	-154
2	1	5.91	58.38	52.47
3	2	0.47	65.65	65.18
4	3		64.87	64.87
5	4		63.74	63.74
6	5		62.62	62.62
7	6		61.21	61.21
8	Salvage Value		16.52	16.52

I R R == 32.56%

M.7. BREAK EVEN POINT

S.no.	Details	Amount
1	Sales(Net) (A)	102.48
2	Variable Cost (B)	
	> Raw Material	3.73
	>Packing / Stores & Consumables	1.32
	>Utilities	8.33
	>Interest on Working capital	0.76
	>Selling Expenses	0.51
	>Selling Commission	0.00
	>Sampling	0.00
	>Steam cost	2.46
	Total (B)	17.11
3	Contribution (A-B) (C)	85.37
4	Fixed Cost	
	>Wages & Salaries	14.14
	>Factory Over Heads	2.37
	>Administrative Expenses	1.02
	>Interest On Term Loan	8.33
	>Depriciation	15.10
	Total (D)	40.96
5	Break Even Point (%)	43.18
6	Cash Break Even Point (%)	30.29

7.ASSUMPTIONS

S.No.	Particulars	Data
1	Status of the Project :	JOB WORK
2	Number Of working days /Annum	350
3	Number Of working Hours/day	24 Hrs
4	Capacity Utilisation 1 st Year 2 nd Year 3 rd Year	45% 50% 50%
5	Cost Of Power (Grid) @ Rs /KWH	3.50
6	Wages& Salaries -Fringe benefits	40%
7	<u>i) Interest Rates &Repayments Schedule for Long Term Loan</u> Interest on Rupee Loan (Post TUFS effective rate) @ 8 Years of Total Repayment period(2years moratorium +6 years Repayment period) <u>(ii) Interest Rates for Short term borrowing</u> Interest on Working capital @	9% 14%
8	Expenses as % of Sales Turn Over Administrative expenses Selling Expenses Selling Commission Sampling	1% 0.25 -- --
9	Selling Price : Sizing Charges /Kg	Rs.12/-