



मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प

बिझिनेस कल्क्युलेटर

उपप्रकल्पाचे नाव

मिश्र शेतमालाची स्वच्छता, वर्गीकरण व दर्जा सुधार पथदर्शी
प्रकल्प

सादरकर्ते

चंदनखेडा फारमर प्रोड्यूसर कंपनी लिमिटेड समुदाय आधारित संस्था,

चंदनखेडा तालुका- भद्रावती जिल्हा- चंद्रपुर

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D. सविस्तर प्रकल्प अहवाल - भाग 1 अनुक्रमणिका

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बिज़िनेस कॅल्कुलेटर
प्रोजेक्ट रिपोर्ट एक्सेल शिट
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1 Project Cost and MOF

1.1 Total Project Cost

Sr. No.	Particular	Amount (Rs.)	Grant (%)	Grant Amount (Rs.)
1	Land and Building	10,173,428	60%	6,104,057
2	Machinery and Equipment	7,696,782	60%	4,618,069
3	Furniture and Fixture	73,000	0%	-
4	IT & It Infrastructure	78,800	0%	-
5	Transport vehical (Refer van and other)	-	0%	-
6	Preliminary Expenses	893,510	60%	536,107
7	Working Capital	2,101,771		
Total		21,017,291		11,258,233

Total Project Costs means the costs incurred or to be incurred by a FPC in connection with or incidental to the Construction and acquisition of assets including preoprtative expenditure , design, construction and Working Capital

1.2 Means of Finance

Sr. No.	Particular	Bank Loan (%)	Amount (Rs.)
1	Govt. Grant under SMART Project	53.57%	11,258,233
2	Bank Finance - Long Term Loan	0.00%	-
3	Own Contribution	46.43%	9,759,058
Total			21,017,291

This sheet provide details of how total project cost will raised

1.3 Financial Indicators

Sr. No.	Financial ratio	Estimated	Result	Permissible limit
1	Break Even Point (BEP)	41.78%	Project Viable	BEP shall be less than 60% <60%
2	Avg. Return on Capital Employed Average (ROCE)	20.09%	Project Viable	RoCE for the project shall be more than 20% >20%
3	Internal Rate of Return (IRR)	14.57%	Project Viable	The project internal rate of return shall be more than 12% >12%
4	Net present value (at a discount rate of 10 per cent)	3,528,019	NPV is high and positive at a conservative project life of 7 years	With a discount rate of 10% and a span of 7 operational years, the NPV should be positive Positive
5	Payback period	4.46	Project Viable	The Pack Back Period (Project/ Equity) shall be less than 7 years <7 years
6	Debt Service Coverage Ratio (DSCR)	#DIV/0!	Project Viable	DSCR shall be more than 2 for better performing project. >2

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3. Other Expences & Taxes

3.1 Schedule of General Admin Expenses										
				100%	105.00%	110.25%	115.76%	121.55%	127.63%	134.01%
Particulars	Unit	No.of Unit	Unit Cost	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Manager	No.	1	25,000	300,000	315,000	330,750	347,288	364,652	382,884	402,029
Accountant	No.	1	10,000	120,000	126,000	132,300	138,915	145,861	153,154	160,811
Watchmen	No.	2	8,987	215,688	226,472	237,796	249,686	262,170	275,279	289,043
Telephone and internet Exp	Months	12	750	9,000	9,450	9,923	10,419	10,940	11,487	12,061
Office Electricity Exp	Months	12	27,500	330,000	346,500	363,825	382,016	401,117	421,173	442,232
Printing & Stationary	Months	12	1,150	13,800	14,490	15,215	15,975	16,774	17,613	18,493
Land Lease	Months	12	64,000	768,000	806,400	846,720	889,056	933,509	980,184	1,029,193
Misc.expenses	Months	12	31,250	375,000	393,750	413,438	434,109	455,815	478,606	502,536
Audit and Legal Compliances expenses	Lumsum	1	22,500	22,500	23,625	24,806	26,047	27,349	28,716	30,152
				-	-	-	-	-	-	-
				-	-	-	-	-	-	-
				-	-	-	-	-	-	-
				-	-	-	-	-	-	-
Total Admin Expenses				2,153,988	2,261,687	2,374,772	2,493,510	2,618,186	2,749,095	2,886,550

3. Other Expences & Taxes

3.2 Depreciation								
As per Companies Act								
Particulars		Y1	Y2	Y3	Y4	Y5	Y6	Y7
Assets								
Building								
Asset Value		10,173,428	9,850,930	9,528,432	9,205,935	8,883,437	8,560,939	8,238,442
Depreciation		322,498	322,498	322,498	322,498	322,498	322,498	322,498
Accumulated Depreciation		508,756	322,498	644,995	967,493	1,289,991	1,612,488	1,934,986
Net Fixed Assets		15,540,322	9,850,930	9,528,432	9,205,935	8,883,437	8,560,939	8,238,442
Plant and Machinery								
Asset Value		7,696,782	7,209,576	6,722,369	6,235,163	5,747,957	5,260,750	4,773,544
Depreciation		487,206	487,206	487,206	487,206	487,206	487,206	487,206
Accumulated Depreciation		382,077	487,206	974,413	1,461,619	1,948,825	2,436,032	2,923,238
Net Fixed Assets		5,653,895	7,209,576	6,722,369	6,235,163	5,747,957	5,260,750	4,773,544
Furniture and Electrification								
Asset Value		73,000	65,700	58,400	51,100	43,800	36,500	29,200
Depreciation		7,300	7,300	7,300	7,300	7,300	7,300	7,300
Accumulated Depreciation		6,500	7,300	14,600	21,900	29,200	36,500	43,800
Net Fixed Assets		65,700	58,400	51,100	43,800	36,500	29,200	21,900
IT Infrastructure								
Asset Value		78,800	70,920	63,040	55,160	47,280	39,400	31,520
Depreciation		7,880	7,880	7,880	7,880	7,880	7,880	7,880
Accumulated Depreciation		5,450	7,880	15,760	23,640	31,520	39,400	47,280
Net Fixed Assets		70,920	63,040	55,160	47,280	39,400	31,520	23,640
Gross Fixed Asset		18,022,010	17,197,126	16,372,242	15,547,358	14,722,474	13,897,590	13,072,706
Total Depreciation		824,884	824,884	824,884	824,884	824,884	824,884	824,884
Accumalated Depreciation		902,783	824,884	1,649,768	2,474,652	3,299,536	4,124,420	4,949,304
Net Fixed Assets		17,197,126	16,372,242	15,547,358	14,722,474	13,897,590	13,072,706	12,247,822

3.2 Depreciation								
As per IT Act								
Particulars		Y1	Y2	Y3	Y4	Y5	Y6	Y7
Assets								
-								
Building								
Asset Value		10,173,428	9,156,085	8,240,476	7,416,429	6,674,786	6,007,307	5,406,577
Depreciation		1,017,343	915,608	824,048	741,643	667,479	600,731	540,658
Accumulated Depreciation		1,604,908	1,017,343	1,932,951	2,756,999	3,498,642	4,166,120	4,766,851
Net Fixed Assets		9,156,085	8,240,476	7,416,429	6,674,786	6,007,307	5,406,577	4,865,919
Plant and Machinery								
Asset Value		7,696,782	6,542,265	5,560,925	4,726,786	4,017,768	3,415,103	2,902,838
Depreciation		1,154,517	981,340	834,139	709,018	602,665	512,265	435,426
Accumulated Depreciation		905,396	1,154,517	2,135,857	2,969,996	3,679,014	4,281,679	4,793,944
Net Fixed Assets		6,542,265	5,560,925	4,726,786	4,017,768	3,415,103	2,902,838	2,467,412
Furniture and Electrification								
Asset Value		73,000	65,700	59,130	53,217	47,895	43,106	38,795
Depreciation		7,300	6,570	5,913	5,322	4,790	4,311	3,880
Accumulated Depreciation		6,500	7,300	13,870	19,783	25,105	29,894	34,205
Net Fixed Assets		65,700	59,130	53,217	47,895	43,106	38,795	34,916
IT Infrastructure								
Asset Value		78,800	47,280	28,368	17,021	10,212	6,127	3,676
Depreciation		31,520	18,912	11,347	6,808	4,085	2,451	1,471
Accumulated Depreciation		21,800	31,520	50,432	61,779	68,588	72,673	75,124
Net Fixed Assets		47,280	28,368	17,021	10,212	6,127	3,676	2,206
Gross Fixed Asset		18,022,010	15,811,330	13,888,899	12,213,453	10,750,662	9,471,644	8,351,886
Total Depreciation		2,210,680	1,922,430	1,675,447	1,462,791	1,279,018	1,119,758	981,433
Accumulated Depreciation		2,538,604	2,210,680	4,133,110	5,808,557	7,271,348	8,550,366	9,670,124
Net Fixed Assets		15,811,330	13,888,899	12,213,453	10,750,662	9,471,644	8,351,886	7,370,452

Amortization: Straight Line Method (SLM) is used	Companies Act	IT Act
Depreciation: Straight Line Method (SLM) is used	SLM	WDV
Land	0.00%	0.00%
Building	3.17%	10.00%
Furniture and Electrification	10.00%	10.00%
IT and Infrastructure	10.00%	40.00%
Vehicle	11.88%	15.00%
Plant and machinery	6.33%	15.00%
Amortization: Straight Line Method (SLM) is used		
Pre-operative or pre-incubation	20%	20%

3.3 Amortization Schedule						
Particulars	Years	Y1	Y2	Y3	Y4	Y5
Preliminary Expenses	5	178,702	178,702	178,702	178,702	178,702
Total Value		178,702	178,702	178,702	178,702	178,702

3.4 Tax Schedule							
Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
EBT	3,908,750	4,215,474	4,744,696	5,313,792	5,925,427	6,726,834	7,394,486
Add Depreciation as per companies Act	824,884	824,884	824,884	824,884	824,884	824,884	824,884
Less Depreciation as per IT Act	2,210,680	1,922,430	1,675,447	1,462,791	1,279,018	1,119,758	981,433
Taxable Income	2,522,953	3,117,928	3,894,134	4,675,885	5,471,293	6,431,960	7,237,936
Provision of Taxes	655,968	810,661	1,012,475	1,215,730	1,422,536	1,672,310	1,881,863
Maximum Tax rate	26%						

4 Term Loan Repayment Schedule

4.1 TL Repayment Schedule

		Loan Amount (Rs)	0			
		Interest rate /PA	12%			
		Loan Tenure in years	7			
		Moratorium Period (In Months)	6			
		EMI	0			
Year	Particluars	Opening Balance	Interest	Pricipal Repoa ment	EMI	Closing Outstanding
Year 1	Month 1					
	Month 2					
	Month 3					
	Month 4					
	Month 5					
	Month 6					
	Month 7					
	Month 8					
	Month 9					
	Month 10					
	Month 11					
	Month 12					
Year 2	Month 13					
	Month 14					
	Month 15					
	Month 16					
	Month 17					
	Month 18					
	Month 19					
	Month 20					
	Month 21					
	Month 22					

NOT APPLICABLE

	Month 23					
	Month 24					
Year 3	Month 25					
	Month 26					
	Month 27					
	Month 28					
	Month 29					
	Month 30					
	Month 31					
	Month 32					
	Month 33					
	Month 34					
	Month 35					
	Month 36					
Year 4	Month 37					
	Month 38					
	Month 39					
	Month 40					
	Month 41					
	Month 42					
	Month 43					
	Month 44					
	Month 45					
	Month 46					
	Month 47					
	Month 48					
Year 5	Month 49					
	Month 50					
	Month 51					
	Month 52					
	Month 53					
	Month 54					
	Month 55					
	Month 56					
	Month 57					

	Month 58					
	Month 59					
	Month 60					
Year 6	Month 61					
	Month 62					
	Month 63					
	Month 64					
	Month 65					
	Month 66					
	Month 67					
	Month 68					
	Month 69					
	Month 70					
	Month 71					
	Month 72					
Year 7	Month 73					
	Month 74					
	Month 75					
	Month 76					
	Month 77					
	Month 78					
	Month 79					
	Month 80					
	Month 81					
	Month 82					
	Month 83					
	Month 84					

NOT APPLICABLE

This Sheet Provide details of loan repayment schedule. The borrower is able to check how much of the monthly EMI is being allocated towards the repayment of the principal outstanding and interest respectively, depending on the rate of interest and tenure of the loan.

Assumption:						
1	Rate of Interest assumed as 12%					
2	Moratorium Period 6 Months					

5 Closing Stock & Working Capital

5.1 Closing and Opening Stock Calculation								
Particulars		Y1	Y2	Y3	Y4	Y5	Y6	Y7
Opening Stock								
Agri Input			-	-	-	-	-	-
Trading			1,592,185	1,755,384	1,930,923	2,119,627	2,322,374	2,540,096
Grain Processing			4,246,486	4,681,751	5,149,926	5,653,214	6,193,957	6,774,640
Horticulture Processing			-	-	-	-	-	-
Total			5,838,672	6,437,135	7,080,849	7,772,841	8,516,330	9,314,736
Closing Stock								
Agri Input	5%	-	-	-	-	-	-	-
Trading	5%	1,592,185	1,755,384	1,930,923	2,119,627	2,322,374	2,540,096	2,773,785
Grain Processing	5%	4,246,486	4,681,751	5,149,926	5,653,214	6,193,957	6,774,640	7,397,907
Horticulture Processing	5%	-	-	-	-	-	-	-
Total		5,838,672	6,437,135	7,080,849	7,772,841	8,516,330	9,314,736	10,171,692
Closing Stock is an amount of unsold stock lying in your business on a given date. In simple words, it's the inventory which is still in your business waiting to be sold for a given period. The closing stock can be in various forms such as raw materials, in-process goods (WIP) or finished goods								
Assumption:								
1	Closing stock of each facility is 5%							

5.2 Working Capital Calculation

Sr. No.	Particulars	Duration (In days)	Amount (Rs.)						
			Y1	Y2	Y3	Y4	Y5	Y6	Y7
A	Accounts Receivables (Debtors)								
1	Facility 5 - Agri Input	14	-	-	-	-	-	-	-
2	Facility 4 - Custom Hiring	14	226,823	238,164	250,072	262,576	275,705	289,490	303,965
3	Facility 1 - Trading	14	1,287,821	1,489,994	1,639,168	1,799,536	1,971,842	2,156,880	2,355,492
4	Facility 2 - Grain Processing	14	3,262,654	3,754,229	4,130,045	4,534,057	4,968,145	5,434,306	5,934,663
5	Facility 3 - Warehouse	14	16,570	18,486	20,552	22,778	25,176	26,435	27,757
6	Processing Unit - Horti Commodity	14	-	-	-	-	-	-	-
	Subtotal								
B	Closing Stock		4,793,868	5,500,873	6,039,837	6,618,946	7,240,867	7,907,110	8,621,876
	Total		5,838,672	6,437,135	7,080,849	7,772,841	8,516,330	9,314,736	10,171,692
C	Accounts Payable & Accrued Expenses (Creditors)		10,632,539	11,938,008	13,120,686	14,391,787	15,757,197	17,221,846	18,793,568
1	Facility 5 - Agri Input	7							
2	Facility 4 - Custom Hiring	7							
3	Facility 1 - Trading	7	-	-	-	-	-	-	-
4	Facility 2 - Grain Processing	7	48,237	50,649	53,181	55,840	58,632	61,564	64,642
5	Facility 3 - Warehouse	7	585,421	675,962	743,634	816,384	894,550	978,491	1,068,590
	Processing Unit - Horti Commodity	7	1,589,243	1,833,580	2,017,142	2,214,476	2,426,500	2,654,191	2,898,584
			2,555	2,682	2,816	2,957	3,105	3,260	3,423
	Total		-	-	-	-	-	-	-
D	Working Capital								
	Own Contribution	25%	2,225,456	2,562,873	2,816,774	3,089,657	3,382,787	3,697,506	4,035,240
<p>Working capital, also known as net working capital (NWC), is the difference between a company's current assets, such as accounts receivable (customers' unpaid bills), and inventories of raw materials and finished goods, and its current liabilities, such as accounts payable. This sheet provide requirement of working capital for running business</p>									
	Asumption:								
	1	Company has to give credit for sale at 14 Days							
	2	Company will receive credit from suppliers for 7 days							
	3	25 % of Working Capital will be financed by the company and balance 75% from bank finance at 12% rate of interest							

6 Consolidated Profit & Loss Statement

6.1 Consolidated Profit and loss account for the Project							
Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Revenue							
Facility 1 - Cleaning & Grading	33,575,328	38,846,260	42,735,459	46,916,463	51,408,729	56,232,930	61,411,030
Facility 2 - Processing Unit	85,062,057	97,878,115	107,676,170	118,209,335	129,526,625	141,680,122	154,725,152
Facility 3 - Warehouse	432,000	481,950	535,815	593,862	656,373	689,192	723,652
Facility 4 - Custom Hiring	5,913,600	6,209,280	6,519,744	6,845,731	7,188,018	7,547,419	7,924,790
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
Total Revenue	124,982,985	143,415,605	157,467,188	172,565,391	188,779,746	206,149,663	224,784,622
Variable Cost							
Facility 1 - Cleaning & Grading	30,525,528	35,246,580	38,775,218	42,568,604	46,644,391	51,021,334	55,719,361
Facility 2 - Processing Unit	82,867,696	95,608,121	105,179,550	115,469,101	126,524,658	138,397,098	151,140,470
Facility 3 - Warehouse	133,200	139,860	146,853	154,196	161,905	170,001	178,501
Facility 4 - Custom Hiring	2,515,200	2,640,960	2,773,008	2,911,658	3,057,241	3,210,103	3,370,609
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
Total Variable Cost	116,041,624	133,635,521	146,874,629	161,103,559	176,388,195	192,798,536	210,408,940
Fixed Cost							
Facility 1 - Cleaning & Grading	114,000	119,700	125,685	131,969	138,568	145,496	152,771
Facility 2 - Processing Unit	312,000	327,600	343,980	361,179	379,238	398,200	418,110
Facility 3 - Warehouse	486,000	510,300	535,815	562,606	590,736	620,273	651,286
Facility 4 - Custom Hiring	206,400	216,720	227,556	238,934	250,880	263,425	276,596
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
Admin Expenses	2,153,988	2,261,687	2,374,772	2,493,510	2,618,186	2,749,095	2,886,550

Total Fixed Cost	3,272,388	3,436,007	3,607,808	3,788,198	3,977,608	4,176,488	4,385,313
Total Cost	119,314,012	137,071,529	150,482,437	164,891,757	180,365,803	196,975,024	214,794,253
Profit Before Depreciation ,Interest and Tax	5,668,973	6,344,077	6,984,752	7,673,634	8,413,943	9,174,638	9,990,369
Depreciation	824,884	824,884	824,884	824,884	824,884	824,884	824,884
Amortization	178,702	178,702	178,702	178,702	178,702	-	-
Profit Before Interest and Tax	4,665,387	5,340,491	5,981,166	6,670,048	7,410,357	8,349,754	9,165,485
Interest on Term loan	756,638	1,125,016	1,236,470	1,356,256	1,484,929	1,622,921	1,770,999
Profit Before Tax	3,908,750	4,215,474	4,744,696	5,313,792	5,925,427	6,726,834	7,394,486
Less. Tax	655,968	810,661	1,012,475	1,215,730	1,422,536	1,672,310	1,881,863
Profit After Tax	3,252,782	3,404,813	3,732,221	4,098,062	4,502,891	5,054,524	5,512,622
Cumuilative Profit	3,252,782	6,657,595	10,389,816	14,487,878	18,990,770	24,045,294	29,557,916
Projected Consolidated Profit and Loss account is to give a projection of how much money you will bring in by selling products or services and how much profit you will make from these sales.							

7_Balance Sheet

7.1 Balancesheet for the Project							
Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
<u>ASSETS</u>							
Current Assets							
Cash and Bank Balance	6,358,138	10,766,538	15,502,345	20,603,993	26,110,470	31,989,878	38,327,384
Accounts Receivables							
Other Current Assets							
Total Current Assets	6,358,138	10,766,538	15,502,345	20,603,993	26,110,470	31,989,878	38,327,384
Gross Fixed Assets	18,022,010	17,197,126	16,372,242	15,547,358	14,722,474	13,897,590	13,072,706
Less: Depreciation	824,884	824,884	824,884	824,884	824,884	824,884	824,884
Net Fixed Assets	17,197,126	16,372,242	15,547,358	14,722,474	13,897,590	13,072,706	12,247,822
Preliminary & Pre- operative Expenses	714,808	536,106	357,404	178,702	0	0	0
TOTAL ASSETS	24,270,072	27,674,885	31,407,107	35,505,169	40,008,060	45,062,584	50,575,206
<u>LIABILITIES & SHAREHOLDERS EQUITY</u>							
CURRENT LIABILITIES							
Short Term Debt (Working capital loan)							
Accounts Payable & Accrued Expenses							
Other Current Liabilities							
Total Curent Liabilities	0	0	0	0	0	0	0
Secured Long Term Debt	0	0	0	0	0	0	0
Differed Tax Liabilities							
TOTAL LIABILITIES	0	0	0	0	0	0	0

Share capital	9,759,058	9,759,058	9,759,058	9,759,058	9,759,058	9,759,058	9,759,058
Smart Grant -in-Aid	11,258,233	11,258,233	11,258,233	11,258,233	11,258,233	11,258,233	11,258,233
Reserves and Surplus							
Add: Opening Balance (P/L Account)	0	3,252,782	6,657,595	10,389,816	14,487,878	18,990,770	24,045,294
Profit & Loss) During the Year	3,252,782	3,404,813	3,732,221	4,098,062	4,502,891	5,054,524	5,512,622
Appropriation - Dividend							
Total Reserves	3,252,782	6,657,595	10,389,816	14,487,878	18,990,770	24,045,294	29,557,916
TOTAL EQUITY	24,270,072	27,674,885	31,407,107	35,505,169	40,008,060	45,062,584	50,575,206
TOTAL LIABILITIES & EQUITY	24,270,072	27,674,885	31,407,107	35,505,169	40,008,060	45,062,584	50,575,206
<u>CONTROL TICKER</u>							
(=Liability - Asset)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

A projected balance sheet, also referred to as pro forma balance sheet, lists specific account balances on a business' assets, liabilities and equity for a specified future time. Using a projected balance sheet, financial personnel can present lenders and investors with detailed financial information about planned future asset expansion, making it easier to persuade capital providers to supply the required financing.

8_Cash Flow Statement

8.1 Cash Flow Statement for the Project								
	Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
1	Operating Profit							
	Total Revenue	124,982,985	143,415,605	157,467,188	172,565,391	188,779,746	206,149,663	224,784,622
2	Equity/ Share capital	9,759,058						
	Reinvestment							
3	Smart Grant -in-Aid	11,258,233						
4	Long Term Loan	-						
5	Short Term Loan	6,305,313	9,375,135	10,303,913	11,302,130	12,374,410	13,524,340	14,758,328
	Sub Total (A)	152,305,588	152,790,740	167,771,101	183,867,521	201,154,155	219,674,003	239,542,950
	Cash Outflow (Rs.)							
1	Capital Expenditure							
a	Land and Building	10,173,428						
b	Machinery and Equipment	7,696,782						
c	Fire and Safety Equipment	73,000						
d	Furniture & Fixture	78,800						
e	It Infrastructure	-						
f	Vehicle	893,510						
g	Premilinary Expenses	10,173,428						
2	Operational Expenditure							
a	Variable Cost	116,041,624	133,635,521	146,874,629	161,103,559	176,388,195	192,798,536	210,408,940
b	Fixed Cost	3,272,388	3,436,007	3,607,808	3,788,198	3,977,608	4,176,488	4,385,313
3	Loan Repayment							
	LTL - Principal	-	-	-	-	-	-	-
	LTL - Interest	-	-	-	-	-	-	-
	STL - Principal	6,305,313	9,375,135	10,303,913	11,302,130	12,374,410	13,524,340	14,758,328
	STL - Interest	756,638	1,125,016	1,236,470	1,356,256	1,484,929	1,622,921	1,770,999

4	Tax	655,968	810,661	1,012,475	1,215,730	1,422,536	1,672,310	1,881,863
	Sub Total (B)	145,947,450	148,382,341	163,035,294	178,765,873	195,647,678	213,794,595	233,205,444
	Net Cash Flow (A-B)	6,358,138	4,408,399	4,735,807	5,101,648	5,506,477	5,879,408	6,337,506
	Opening Cash and Bank		6,358,138	10,766,538	15,502,345	20,603,993	26,110,470	31,989,878
	Cumulative Cash Balance	6,358,138	10,766,538	15,502,345	20,603,993	26,110,470	31,989,878	38,327,384

A projected cash flow statement is used to evaluate cash inflows and outflows to determine when, how much, and for how long cash deficits or surpluses will exist for a farm business during an upcoming time period.

9.1 Financial Indicators

9.1 Internal Rate of Return								
Particulars		Y1	Y2	Y3	Y4	Y5	Y6	Y7
Profit after Tax & Dividend		3,252,781.65	3,404,813.12	3,732,221.42	4,098,062.10	4,502,891.24	5,054,524.03	5,512,622.22
Add: Depreciation		824,883.96	824,883.96	824,883.96	824,883.96	824,883.96	824,883.96	824,883.96
Add: Preliminary expense written off		178,701.97	178,701.97	178,701.97	178,701.97	178,701.97	0.00	0.00
Net Cash Accrual (A)		4,256,367.58	4,408,399.05	4,735,807.35	5,101,648.03	5,506,477.16	5,879,407.99	6,337,506.18
Initial Investment/ Net Cash Accrual	(21,017,291.3772)	4,256,367.58	4,408,399.05	4,735,807.35	5,101,648.03	5,506,477.16	5,879,407.99	6,337,506.18
IRR	14.57%							
Present Value Equivalent		0.87	0.76	0.66	0.58	0.51	0.44	0.39
Present Value of Future Inflows		3,715,028.51	3,358,357.69	3,148,930.69	2,960,755.83	2,789,259.80	2,599,391.82	2,445,567.03
Operating Net Cash Inflow		21,017,291.38						
Present Capital Outflow		21,017,291.38						
				0.00				
<p>The internal rate of return (IRR) is a ratio used in financial analysis to estimate the profitability of potential investments. IRR is a discount rate that makes the net present value (NPV) of all cash flows equal to zero in a discounted cash flow analysis.</p>								

9.2 Financial Indicators

9.2 Break even Point							
Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Gross Receipts							
Facility 1 - Cleaning & Grading	33,575,328	38,846,260	42,735,459	46,916,463	51,408,729	56,232,930	61,411,030
Facility 2 - Processing Unit	85,062,057	97,878,115	107,676,170	118,209,335	129,526,625	141,680,122	154,725,152
Facility 3 - Warehouse	432,000	481,950	535,815	593,862	656,373	689,192	723,652
Facility 4 - Custom Hiring	5,913,600	6,209,280	6,519,744	6,845,731	7,188,018	7,547,419	7,924,790
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
Total Receipts	124,982,985	143,415,605	157,467,188	172,565,391	188,779,746	206,149,663	224,784,622
Total Variable Exp	116,041,624	133,635,521	146,874,629	161,103,559	176,388,195	192,798,536	210,408,940
Contribution	8,941,361	9,780,084	10,592,559	11,461,832	12,391,551	13,351,127	14,375,682
Total Fixed exp	4,275,974	4,439,593	4,611,394	4,791,784	4,981,194	5,001,372	5,210,197
BEP	48%	45%	44%	42%	40%	37%	36%
Average BEP	41.78%						
<p>Break-even point (BEP) is a term in accounting that refers to the situation where a company's revenues and expenses were equal within a specific period. It means that there were no net profits or no net losses for the company. The main purpose of break-even analysis is to determine the minimum output that must be exceeded for a business to profit.</p>							

9.3 Financial Indicators

9.3 Net Present Value							
Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Profit after Tax & Dividend	3,252,782	3,404,813	3,732,221	4,098,062	4,502,891	5,054,524	5,512,622
Add: Depreciation	824,884	824,884	824,884	824,884	824,884	824,884	824,884
Add. Preliminary exp Written off	178,702	178,702	178,702	178,702	178,702	0	0
Net Cash Accrual (A)	4,256,368	4,408,399	4,735,807	5,101,648	5,506,477	5,879,408	6,337,506
PV Factor @ 10 %	0.91	0.83	0.75	0.68	0.62	0.56	0.51
Disc Cash Flow	3,869,425	3,643,305	3,558,082	3,484,494	3,419,089	3,318,773	3,252,143
Total Discounted Cash Flows	24,545,311						
Present Value of Outflow	21,017,291						
NPV	3,528,019.46						
<p>Net present value is the present value of the cash flows at the required rate of return of your project compared to your initial investment. If the NPV of a project or investment is positive, it means that the discounted present value of all future cash flows related to that project or investment will be positive.</p>							

9.4 Financial Indicators

9.4 Return On Investments							
Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Net Profit	3,252,782	3,404,813	3,732,221	4,098,062	4,502,891	5,054,524	5,512,622
Average net profit	4222559.40						
Total Project cost	21017291.38						
ROI	20.09%						
Return on investment (ROI) is a performance measure used to evaluate the efficiency or profitability of an investment							

9.5 Financial Indicators

9.5 Payback Period (In years) - Project								
Particulars		Y1	Y2	Y3	Y4	Y5	Y6	Y7
Initial Investment	21,017,291							
Profit after Tax & Dividend		3,252,782	3,404,813	3,732,221	4,098,062	4,502,891	5,054,524	5,512,622
Add: Depreciation		824,884	824,884	824,884	824,884	824,884	824,884	824,884
Add. Preliminary exp Written off		178,702	178,702	178,702	178,702	178,702	-	-
Net Cash Accrual (A)		4,256,368	4,408,399	4,735,807	5,101,648	5,506,477	5,879,408	6,337,506
Cashflow - Initial Investment		(16,760,924)	(12,352,525)	(7,616,717)	(2,515,069)	2,991,408		
Payback period (in years) - Project		4.46						
The payback period refers to the amount of time it takes to recover the cost of an investment								

9.6 Financial Indicators

9.6 Debt Service Covergae Ratio (DSCR)							
Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Net Operating Income	5,668,973	6,344,077	6,984,752	7,673,634	8,413,943	9,174,638	9,990,369
Add: Depreciation	824,884	824,884	824,884	824,884	824,884	824,884	824,884
Add: Amortization	178,702	178,702	178,702	178,702	178,702	-	-
Intwerest on TL	-	-	-	-	-	-	-
Total	6,672,559	7,347,662	7,988,337	8,677,220	9,417,528	9,999,522	10,815,253
Total Annual EMI	-	-	-	-	-	-	-
Debt Service Coverage Ratio (DCSR)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Avergae DSCR	#DIV/0!						
The debt-service coverage ratio (DSCR) is a measurement of a firm's available cash flow to pay current debt obligations. The DSCR shows investors whether a company has enough income to pay its debts.							

9.7 Financial Indicators

9.7 Sensitivity Analysis							
	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Quantity Variation (+5%)							
Facility 1 - Cleaning & Grading	35,254,094	40,788,573	44,872,232	49,262,287	53,979,165	59,044,577	64,481,581
Facility 2 - Processing Unit	89,315,160	102,772,021	113,059,979	124,119,801	136,002,957	148,764,128	162,461,409
Facility 3 - Warehouse	453,600	506,048	562,606	623,555	689,192	723,652	759,834
Facility 4 - Custom Hiring	6,209,280	6,519,744	6,845,731	7,188,018	7,547,419	7,924,790	8,321,029
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-
Total Income	131,232,135	150,586,386	165,340,548	181,193,660	198,218,733	216,457,146	236,023,853
Expenditure							
Fixed Cost (Excl. of Depreciation, Amortization and Interest)	3,272,388	3,436,007	3,607,808	3,788,198	3,977,608	4,176,488	4,385,313
Variable Cost	121,843,705	133,635,521	146,874,629	161,103,559	176,388,195	192,798,536	210,408,940
Total Operational Expenses	125,116,093	137,071,529	150,482,437	164,891,757	180,365,803	196,975,024	214,794,253
Net Income	6,116,041	13,514,857	14,858,111	16,301,903	17,852,930	19,482,121	21,229,600
Cost Variation (+5%)	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Facility 1 - Cleaning & Grading	33,575,328	38,846,260	42,735,459	46,916,463	51,408,729	56,232,930	61,411,030
Facility 2 - Processing Unit	85,062,057	97,878,115	107,676,170	118,209,335	129,526,625	141,680,122	154,725,152
Facility 3 - Warehouse	432,000	481,950	535,815	593,862	656,373	689,192	723,652
Facility 4 - Custom Hiring	5,913,600	6,209,280	6,519,744	6,845,731	7,188,018	7,547,419	7,924,790
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-
Total Income	124,982,985	143,415,605	157,467,188	172,565,391	188,779,746	206,149,663	224,784,622
Expenditure							
Fixed Cost (Excl. of Depreciation, Amortization and Interest)	3,272,388.00	3,436,007.40	3,607,807.77	3,788,198.16	3,977,608.07	4,176,488.47	4,385,312.89

Variable Cost	121,843,705.49	140,317,297.34	154,218,360.54	169,158,736.81	185,207,604.81	202,438,462.77	220,929,387.51
Total Operational Expenses	125,116,093.49	143,753,304.74	157,826,168.31	172,946,934.97	189,185,212.88	206,614,951.24	225,314,700.40
Net Income	(133,108.22)	(337,699.49)	(358,979.89)	(381,544.08)	(405,467.24)	(465,288.45)	(530,078.12)
Quantity Variation (-5%)	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Facility 1 - Cleaning & Grading	31,896,562	36,903,947	40,598,686	44,570,640	48,838,293	53,421,284	58,340,478
Facility 2 - Processing Unit	80,808,954	92,984,210	102,292,362	112,298,868	123,050,294	134,596,116	146,988,894
Facility 3 - Warehouse	410,400	457,853	509,024	564,169	623,555	654,732	687,469
Facility 4 - Custom Hiring	5,617,920	5,898,816	6,193,757	6,503,445	6,828,617	7,170,048	7,528,550
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-
Total Income	118,733,836	136,244,825	149,593,829	163,937,121	179,340,758	195,842,180	213,545,391
Expenditure							
Fixed Cost (Excl. of Depreciation, Amortization and Interest)	3,272,388	3,436,007	3,607,808	3,788,198	3,977,608	4,176,488	4,385,313
Variable Cost	110,239,543	126,953,745	139,530,898	153,048,381	167,568,785	183,158,609	199,888,493
Total Operational Expenses	113,511,931	130,389,753	143,138,705	156,836,579	171,546,393	187,335,098	204,273,806
Net Income	5,221,905	5,855,072	6,455,124	7,100,542	7,794,365	8,507,082	9,271,585
Cost Variation (-5%)	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Facility 1 - Cleaning & Grading	33,575,328	38,846,260	42,735,459	46,916,463	51,408,729	56,232,930	61,411,030
Facility 2 - Processing Unit	85,062,057	97,878,115	107,676,170	118,209,335	129,526,625	141,680,122	154,725,152
Facility 3 - Warehouse	432,000	481,950	535,815	593,862	656,373	689,192	723,652
Facility 4 - Custom Hiring	5,913,600	6,209,280	6,519,744	6,845,731	7,188,018	7,547,419	7,924,790
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-
Total Income	124,982,985	143,415,605	157,467,188	172,565,391	188,779,746	206,149,663	224,784,622
Expenditure							
Fixed Cost (Excl. of Depreciation, Amortization and Interest)	3,272,388	3,436,007	3,607,808	3,788,198	3,977,608	4,176,488	4,385,313
Variable Cost	110,239,543	126,953,745	139,530,898	153,048,381	167,568,785	183,158,609	199,888,493

Total Operational Expenses	113,511,931	130,389,753	143,138,705	156,836,579	171,546,393	187,335,098	204,273,806
Net Income	11,471,054	13,025,853	14,328,483	15,728,812	17,233,352	18,814,565	20,510,816
Sensitivity analysis is a financial model that determines how target variables are affected based on changes in Quantity or cost variance known as input variables. Here it is assumed 5% (+,-) while calculating sensitivity analysis							

10_Grain Production Details

Grains Crops and Production Details							
10.1 Details of members and non- members							
Particulars	No.						
Total No.of Members Cultivating Grain Crops	266						
Total No.of Non- members Cultivating Grain Crops	460						
Total	726						
Average Land Holding per Member (Acres)	5.4						
Total Cultivated Land under grain Crop(Acres)	3920.4						
10.2 Statement Showing Area, production, productivity and Marketable Surplus of Crops							
Season	Crop	Cultivation In (%)	Total Land under Cultivaion (In Acres)	Yield/Acres (In Quintals)	Total Production (In Quintals)	Consumption in (%)	Marketable Surplus (In Quintals)
Kharif	Soybean	40%	1568	7.77	12185	10%	10966
	Red Gram/Tur	30%	1176	3.28	3858	5%	3665
	Paddy/Rice	30%	1176	7.04	8280	5%	7866
Area Under Rabbi Cultivation (In Acres)		70%	2744.28				
Rabbi	Bengal Gram/Channa	60%	1647	6.74	11098	10%	9988
		0%	0		0	0%	0
Area Under Summer Cultivation (In Acres)		5%	312.93				
Summer	Groundnut	0%	0		0	0%	0
Note- Please note the crops/fruits/vegetable grown in the FPC catchment which has marketable Surplus							
10.3 Quantity of Marketable Surplus Produce Considered for Trading Business							
Particulars	30%	35%	40%	45%	50%	55%	60%
	Y1	Y2	Y3	Y4	Y5	Y6	Y7

Soybean	10966	11514	12063	12611	13159	13708	14256
Red Gram/Tur	0	0	0	0	0	0	0
Paddy/Rice	7866	8259	8652	9046	9439	9832	10226
10.4 Quantity of Marketable Surplus Produce Considered for Processing Business							
Particulars	70%	75%	80%	85%	90%	95%	100%
	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Soybean	0	0	0	0	0	0	0
Red Gram/Tur	3665	3848	4031	4215	4398	4581	4764
Bengal Gram/Channa	9988	10487	10987	11486	11986	12485	12985
Assumptions:							
	1	100% of total produce of the cluster will be trade in first year and it will increase every year by 5 %					
	2	100% of total produce of the cluster will be Process in first year and it will increase every year by 5 %					
	3	65% of total land of members is considered for Agri input service centre business					

11. Fruit & Vegetable Production Details

Fruit & Vegetables Crop Production Details

11.1 Details of members and non- members

Particulars	No.
Total No.of Members Cultivating F & V	
Total No.of Non-members Cultivating F & V	
Total	0
Average Land Holding per member(Acres)	1
Total Cultivated Land Under F & V (Acres)	0

11.2 Statement Showing Area,production,productivity and marketable Surplus of Crops

Season	Crop	Cultivation In (%)	Total Land under Cultivaion (In Acres)	Yield/Acres (In Quintals)	Production (Quintals)	Consumption in (%)	Marketable Surplus (In Quintals)
Kharif	Onion	0%	0	5	0	10%	0
	Tomato	0%	0	0	0	5%	0
	Okra	0%	0	4	0	0%	0
	Chilli	0%	0	7	0	2%	0
	Potato	0%	0	20	0	0%	0
		0%	0	7	0	10%	0
		0%	0	6	0	2%	0
		0%	0	0	0	0%	0
Area Under Vegetables in Rabi Season (In Acres)		0					
Rabbi	Onion	0%	0	10	0	10%	0
	Tomato	0%	0	10	0	10%	0
	Okra	0%	0	10	0	5%	0
	Chilli	0%	0	20	0	0%	0
	Brinjal	0%	0	0	0	0%	0
		0%	0	0	0	0%	0
		0%	0	0	0	0%	0
Area Under Vegetables in Summer Season (In Acres)		0					
Summer		0%	0	0	0	0%	0
		0%	0	0	0	0%	0
		0%	0	0	0	0%	0
		0%	0	0	0	0%	0
Area Under Fruit Crops (In Acres)	Pomegranate	0%	0	6	0	5%	0
	Custard Apple	0%	0	0	0	0%	0

12. Facility - 1 - Trading

Facility 3 - Trading Unit							
12.1 Producers/ Capacity Utilization							
					Tentative Wastage Percentage		
Capacity	10	Quinatal/Hour					
No. of Hours	8				Grains	3%	
					Fruit and Vegetables	5%	
No. of Working Days	300						
Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
No. of Operation Days	235	247	259	271	282	294	306
Soybean	10,966	11,514	12,063	12,611	13,159	13,708	14,256
Red Gram/Tur	-	-	-	-	-	-	-
Paddy/Rice	7,866	8,259	8,652	9,046	9,439	9,832	10,226
-	-	-	-	-	-	-	-
Total Grains Quantity to be Processed	18,832	19,774	20,715	21,657	22,598	23,540	24,482
Total F & V Quantity to be Processed	-	-	-	-	-	-	-
Job Work for Grains	50%	50%	50%	50%	50%	50%	50%
Quantity for trading of Grains	50%	50%	50%	50%	50%	50%	50%
Job Work (50%)	9,416	9,887	10,358	10,828	11,299	11,770	12,241
Quantity for sale (50%)							
Soybean	5,483	5,757	6,031	6,306	6,580	6,854	7,128
Red Gram/Tur	-	-	-	-	-	-	-
Paddy/Rice	3,933	4,130	4,326	4,523	4,720	4,916	5,113
Output							
Soybean	5,318.58	5,584.51	5,850.44	6,116.37	6,382.30	6,648.22	6,914.15
Red Gram/Tur	-	-	-	-	-	-	-
Paddy/Rice	3,814.96	4,005.70	4,196.45	4,387.20	4,577.95	4,768.70	4,959.44

12.2 Facility 1 - Profit and loss of Trading									
			100%	105.00%	110.25%	115.76%	121.55%	127.63%	134.01%
Particulars	Unit	Rate	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Revenue									
Soybean	Quintals	4,730	23,899,036	27,669,423	30,439,668	33,417,763	36,617,568	40,053,810	43,742,131
Red Gram/Tur	Quintals	6,250	-	-	-	-	-	-	-
Paddy/Rice	Quintals	2,540	9,205,491	10,657,778	11,724,828	12,871,938	14,104,447	15,428,028	16,848,705
Job Work Charges	Quintals	50	470,801	519,058	570,964	626,762	686,714	751,093	820,194
Total Revenue			33,575,328	38,846,260	42,735,459	46,916,463	51,408,729	56,232,930	61,411,030
Expenses									
Variable Cost									
Soybean	Quintals	4,230	23,193,392	25,570,715	28,127,786	30,876,638	33,830,056	37,001,624	40,405,773
Red Gram/Tur	Quintals	5,800	-	-	-	-	-	-	-
Paddy/Rice	Quintals	2,040	8,023,208	8,845,587	9,730,146	10,681,047	11,702,712	12,799,841	13,977,427
Daily Labour	5	300	353,101	389,293	428,223	470,072	515,035	563,320	615,145
Electricity Charges	0	8	-	-	-	-	-	-	-
Gunny Bags/100 Kg		30	274,006	302,092	332,301	364,776	399,667	437,136	477,353
Transporation Cost/100 Kg		30	274,006	302,092	332,301	364,776	399,667	437,136	477,353
Add: Opening Stock				1,592,185	1,755,384	1,930,923	2,119,627	2,322,374	2,540,096
Less: Closing Stock			1,592,185	1,755,384	1,930,923	2,119,627	2,322,374	2,540,096	2,773,785
Total Variable Cost			30,525,528	35,246,580	38,775,218	42,568,604	46,644,391	51,021,334	55,719,361

Fixed Cost									
Machine Operator	1	9,500	114,000	119,700	125,685	131,969	138,568	145,496	152,771
Total Fixed Cost			114,000	119,700	125,685	131,969	138,568	145,496	152,771
Total Expenses			30,639,528	35,366,280	38,900,903	42,700,574	46,782,958	51,166,830	55,872,132
Operaing Income			2,935,800	3,479,980	3,834,556	4,215,890	4,625,771	5,066,100	5,538,898
1. Inflation is assumed to be 5% anually.									
This sheet provide details capacity utilization of machines and also sale, expenses and operating profit of trading activity									
Assumption:									
	1	Revenue and cost is related to this facility only							
	2	Common expenditure such as admin, depreciation and amortization not considered.							
	3	Inflation is assumed to be 5% anually.							

13. Facility - 2 - Grain Processing Unit

Facility 2 - Grain Processing Unit							
13.1 Producers/ Capacity Utilization							
Capacity	5	Qtls P Hour					
No. of Hours	8						
Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
No. of Operation Days	341	358	375	393	410	427	444
Soybean	0	0	0	0	0	0	0
Red Gram/Tur	3665	3848	4031	4215	4398	4581	4764
Bengal Gram/Channa	9988	10487	10987	11486	11986	12485	12985
0	0	0	0	0	0	0	0
Total Quantity to be Processed	13653	14336	15018	15701	16383	17066	17749
Job Work (0%)	0%	0%	0%	0%	0%	0%	0%
Quantity for Processing and Trading for PC	100%	100%	100%	100%	100%	100%	100%
Job Work (0%)	-	-	-	-	-	-	-
Quantity for sale (100%)							
Soybean	0	0	0	0	0	0	0
Red Gram/Tur	3,665	3,848	4,031	4,215	4,398	4,581	4,764
Bengal Gram/Channa	9,988	10,487	10,987	11,486	11,986	12,485	12,985
Red Gram/Tur							
Dal (80%)	2,931.83	3,078.42	3,225.02	3,371.61	3,518.20	3,664.79	3,811.38
Husk and Powder	732.96	769.61	806.25	842.90	879.55	916.20	952.85
Bengal Gram/Channa							
Dal (80%)	7,990	8,390	8,790	9,189	9,589	9,988	10,388
Husk and Powder	1,998	2,097	2,197	2,297	2,397	2,497	2,597

13.2 Facility 2 - Profit and loss of Grain Processing Unit									
			100%	105.00%	110.25%	115.76%	121.55%	127.63%	134.01%
Particulars	Unit	Rate	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Revenue									
Pulses									
Bengal Gram	50 Kg	3507.5	53,250,458	61,651,418	67,823,917	74,459,537	81,589,159	89,245,595	97,463,701
Red Gram	50 Kg	3750	20,889,303	24,184,865	26,606,237	29,209,285	32,006,122	35,009,619	38,233,451
Black Gram	50 Kg	4000	-	-	-	-	-	-	-
Green Gram	50 Kg	4000	-	-	-	-	-	-	-
Husk and Powder	Kg	10	10,922,297	12,041,833	13,246,016	14,540,513	15,931,345	17,424,908	19,028,000
Job Work Charges	Kg	6	-	-	-	-	-	-	-
Revenue			85,062,057	97,878,115	107,676,170	118,209,335	129,526,625	141,680,122	154,725,152
Expenses									
Variable Cost									
Bengal Gram	Quintals	6,000	59,928,489	66,071,159	72,678,275	79,780,925	87,412,143	95,607,032	104,402,879
Red gram	Quintals	6,500	23,821,134	26,262,801	28,889,081	31,712,332	34,745,685	38,003,093	41,499,378
Black gram	Quintals	7,000	-	-	-	-	-	-	-
Green Gram	Quintals	7,000	-	-	-	-	-	-	-
Oil (Liters)	2	100	273,057	301,046	331,150	363,513	398,284	435,623	475,700
Daily Labour	3	300	307,190	338,677	372,544	408,952	448,069	490,076	535,162
Electricity Charges	59.68	8	162,961	179,664	197,631	216,944	237,696	259,980	283,898
Loading/Unloading Charges		10	-	-	-	-	-	-	-
packaging Exp		20	436,892	481,673	529,841	581,621	637,254	696,996	761,120
Transportation Charges		100	2,184,459	2,408,367	2,649,203	2,908,103	3,186,269	3,484,982	3,805,600

Add: Opening Stock				4,246,486	4,681,751	5,149,926	5,653,214	6,193,957	6,774,640
Less: Closing Stock			4,246,486	4,681,751	5,149,926	5,653,214	6,193,957	6,774,640	7,397,907
Total Variable Cost			82,867,696	95,608,121	105,179,550	115,469,101	126,524,658	138,397,098	151,140,470
Fixed Cost									
Machine Operator	1	9,500	114,000	119,700	125,685	131,969	138,568	145,496	152,771
Semi Skill Labour	1	8,500	102,000	107,100	112,455	118,078	123,982	130,181	136,690
Labour	1	8,000	96,000	100,800	105,840	111,132	116,689	122,523	128,649
Fixed Cost			312,000	327,600	343,980	361,179	379,238	398,200	418,110
Total expenses			83,179,696	95,935,721	105,523,530	115,830,280	126,903,896	138,795,297	151,558,580
Operating Profit			1,882,361	1,942,394	2,152,640	2,379,055	2,622,730	2,884,824	3,166,572
This sheet provide details capacity utilization of machines and also sale, expenses and operating profit of Cleaning and Grading activity									
Assumption:									
	1	Revenue and cost is related to this facility only							
	2	Common expenditure such as admin, depreciation and amortization not considered.							
	3	Inflation is assumed to be 5% annually.							

14_Facility_3_Warehouse

Facility 3 - Warehouse							
14.1 Capacity Utilization							
Capacity	450	MT					
No.of Month	12						
Particular	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Capacity Utilisation	80%	85%	90%	95%	100%	100%	100%
Total Quantity Stored per Annum	4,320	4,590	4,860	5,130	5,400	5,400	5,400

14.2 Facility 3 - Profit and loss of Warehouse									
			100%	105.00%	110.25%	115.76%	121.55%	127.63%	134.01%
Particulars	Unit	Rate	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Vegetable									
Storage Charges per MT per Month		100	432,000	481,950	535,815	593,862	656,373	689,192	723,652
Total Revenue			432,000	481,950	535,815	593,862	656,373	689,192	723,652
Expenses									
Variable Cost									
Dunnage	MT	11	19,800	20,790	21,830	22,921	24,067	25,270	26,534
Fumigation	MT	11	59,400	62,370	65,489	68,763	72,201	75,811	79,602
Electricity		4500	54,000	56,700	59,535	62,512	65,637	68,919	72,365
Total Variable Cost			133,200	139,860	146,853	154,196	161,905	170,001	178,501
Fixed Cost									
Warehouse Manager	1	25,000	300,000	315,000	330,750	347,288	364,652	382,884	402,029
Clerk	1	8,500	102,000	107,100	112,455	118,078	123,982	130,181	136,690
Guard	1	7,000	84,000	88,200	92,610	97,241	102,103	107,208	112,568
Total Fixed Cost			486,000	510,300	535,815	562,606	590,736	620,273	651,286
Total Expenses			619,200	650,160	682,668	716,801	752,641	790,274	829,787
Operating profit			(187,200)	(168,210)	(146,853)	(122,940)	(96,268)	(101,081)	(106,136)
This sheet provide details capacity utilization of warehouse and also sale, expenses and operating profit of warehouse activity									
Assumption:									
	1	Revenue and cost is related to this facility only							
	2	Common expenditure such as admin, depreciation and amortization not considered.							
	3	Inflation is assumed to be 5% annually.							

15_Facility_4_Custom Hiring

Facility 4 - Custom Hiring												
15.1 Capacity Utilization												
Sr. No.	Custom Hiring Equipment	No.of Equipment	Working Days	No.of Hours in day	Total Hours in a year	Required Hrs/Acre	Total Acres	No.of Liters Diesel Required/acre	Total no.of Liters required	Service Charges/Acre (Amount (Rs.))	Labour Requirement	Total No. of Days Labour Reuired
1	Ploughing	1	40	8	320	0.5	640	7	4480	1540	1	40
2	Rotavator	1	40	8	320	0.5	640	7	4480	1540	1	40
3	Seed and Fertilizer Planter	1	30	8	240	0.5	480	7	3360	1540	1	30
4	Cultivator	1	60	8	480	0.5	960	7	6720	1540	1	60
5	Harvestor	1	30	8	240	0.5	480	7	3360	1540	1	30
6	Bed Maker	1	40	8	320	0.5	640	7	4480	1540	1	40

15.2 Facility 4 - Profit and loss of Custom Hiring										
				100%	105.00%	110.25%	115.76%	121.55%	127.63%	134.01%
Particulars	Unit	No. of Unit	Rate	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Revenue										
Custom Hiring Charges										
Ploughing		640	1540	985,600	1,034,880	1,086,624	1,140,955	1,198,003	1,257,903	1,320,798
Rotavator		640	1540	985,600	1,034,880	1,086,624	1,140,955	1,198,003	1,257,903	1,320,798
Seed and Fertilizer Planter		480	1540	739,200	776,160	814,968	855,716	898,502	943,427	990,599
Cultivator		960	1540	1,478,400	1,552,320	1,629,936	1,711,433	1,797,004	1,886,855	1,981,197
Harvestor		480	1540	739,200	776,160	814,968	855,716	898,502	943,427	990,599
Bed Maker		640	1540	985,600	1,034,880	1,086,624	1,140,955	1,198,003	1,257,903	1,320,798
Total Revenue				5,913,600	6,209,280	6,519,744	6,845,731	7,188,018	7,547,419	7,924,790
Expenses										
Variable Expenses										
Diesel	Litres	26880	90	2,419,200	2,540,160	2,667,168	2,800,526	2,940,553	3,087,580	3,241,959
Daily Labour	No. of Days	240	400	96,000	100,800	105,840	111,132	116,689	122,523	128,649
Total Variable Cost				2,515,200	2,640,960	2,773,008	2,911,658	3,057,241	3,210,103	3,370,609
Fixed Cost										
Driver	No.	1	10,000	120,000	126,000	132,300	138,915	145,861	153,154	160,811
Helper	No.	1	7,200	86,400	90,720	95,256	100,019	105,020	110,271	115,784
Total Fixed Cost				206,400	216,720	227,556	238,934	250,880	263,425	276,596
Total Expenses				2,721,600	2,857,680	3,000,564	3,150,592	3,308,122	3,473,528	3,647,204
Operating Income				3,192,000	3,351,600	3,519,180	3,695,139	3,879,896	4,073,891	4,277,585

This sheet provide details of sale, expenses and operating profit of custom hiring activity

Assumption:		
	1	Revenue and cost is related to this facility only
	2	Common expenditure such as admin, depreciation and amortization not considered.
	3	Inflation is assumed to be 5% annually.



मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प

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