

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

सविस्तर प्रकल्प अहवाल

Business

Calculator

सादरकर्ते

सिंदखेडा प्रोड्यूसर कंपनी लिमिटेड.,

समुदाय आधारित संस्था,

हाऊस नं. - ३, विजया बिजनेस हाऊस, वाडीभोकर रोड,
दैवपुर, धुळे, तालुका. धुळे, जिल्हा. धुळे, महाराष्ट्र - ४२४००२.

1.1 Total Project Cost

Sr. No.	Particular	Amount (Rs.)	Grant (%)	Grant Amount (Rs.)
1	Land and Building	2,07,63,644	60%	1,24,58,186
2	Machinery and Equipment	1,65,05,025	60%	99,03,015
3	Furniture and Fixture	55,800	60%	33,480
4	IT & It Infrastructure	1,34,000	60%	80,400
5	Vehicle	-	60%	-
6	Preliminary Expenses	2,50,000	60%	1,50,000
7	Working Capital	30,10,149		
	Total	4,07,18,618		2,26,25,081

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 preoprtave expenditure , design, construction and Working Capital

1.2 Means of Finance

Sr. No.	Particular	Bank Loan (%)	Amount (Rs.)
1	Govt. Grant under SMART Project		2,26,25,081
2	Bank Finance - Long Term Loan (= Total Project Cost- Smart Grant - Own Contribution)		1,13,00,000
3	Own Contribution (=Fixed Assets*20%)+Working Capital)	10%	67,93,537
	Total		4,07,18,618

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)	41.44%	Project Viable	BEP shall be less than 50%
2	Avg Return on Capital Employed Average (ROCE)	15.06%	Project Viable	RoCE for the project shall be more than 12%
3	Internal Rate of Return (IRR)	11.96%	Project Viable	The project internal rate of return shall be more than 12%
4	Net present value (at a discount rate of 10 per cent)	29,63,923	NPV is high and positive at a conservative project life of 5 years	With a discount rate of 10% and a span of 7 operational years, the NPV should be positive
5	Payback period	5.02	Project Viable	The Pack Back Period (Project/ Equity) shall be less than 7 years
6	Debt Service Coverage Ratio (DSCR)	2.44	Project Viable	DSCR shall be more than 2 for better performing project.

उत्कृष्ट कृषि अधिकारी
सिंदखेडा जिल्हा

Sabale
तालुका कृषि अधिकारी



Signature

अध्यक्ष
सिंदखेडा प्रोड्यूसर कंपनी लि
ता. सिंदखेडा जि. धळे

2.1

Land and Building

Sr. No.	Particular	Unit	No. of Unit	Rate per unit	Amount (Rs.)
1	Land	Sq. ft.			Lease or owned
2	Working shed Unit of Clining / Grading / Packing / Oil Mill and Farmer Equipment Bank	1	1	88,50,877	88,50,877
3	Wharehouse	1	1	1,08,87,767	1,08,87,767
4	Construction for Weighting Scale	1	1	10,25,000	10,25,000
Total					2,07,63,644

This Sheet provide details of land and various construction, including area, rate per unit and total amount

2.2

Machinery and Equipment

Sr. No.	Description	Capacity	No. Required	Rate	Amount (Rs.)	Total HP
A	Custom Hiring					
1	Sonalika Tractor GT 22	1	1	4,51,000	4,51,000	-
2	Sonalika Tractor DI 42	1	1	7,00,000	7,00,000	-
3	Nangar Hydraulic	1	1	90,000	90,000	-
4	Sonalika Rotavator	1	1	1,25,000	1,25,000	-
5	Cultivator	1	1	50,000	50,000	-
6	Seed Dril	1	1	90,000	90,000	-
7	Mini Cultivator	1	1	45,000	45,000	-
8	Two Furrow Hydraulic Reversible Model	1	1	95,000	95,000	-
9	Seed Dril (9 Tine)	1	1	97,000	97,000	-
10	MultiCrop Thresher	1	1	2,30,000	2,30,000	-
11	Cutter cum Shredder	1	1	2,25,000	2,25,000	-
Subtotal					21,98,000	-
B	Cleaning Grading Unit					
1	Cleaning Grading Unit	4TPH	1	32,65,050	32,65,050	32
2	Oil Mill Machinery	12 TPH	1	96,37,015	96,37,015	69.5
3	Weighing Ststems	60 T	1	7,19,800	7,19,800	-
4	Electrification	100 KVA	1	6,85,160	6,85,160	-
Subtotal					1,43,07,025	102
C	Cleaning & Grading					
Subtotal					-	-
D	F & V Processing Machainary					
Subtotal					-	-
Total					1,65,05,025	102

This Sheet provide details of Plant & Machinery, including Capacity, rate per machaine, Power Consumption and total amount



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2.3

Furniture and Fixture

Sr. No.	Particular	No. Required	Rate	Amount (Rs.)
1	Office Table	2	3,600	7,200
2	Office Chair	4	6,500	26,000
3	Chair	10	1,600	16,000
4	Computer Table	2	3,300	6,600
Total				55,800

This Sheet provide details of furniture and fixture, no.of Quantity, rate per unit and total amount

2.4

IT & It Infrastructure

Sr. No.	Particular	No. Required	Rate	Amount (Rs.)
1	Dell Desktop i3 12th Gen	2	48,500	97,000
2	Epson Printer M 2140	2	18,500	37,000
3				-
Total				1,34,000

This Sheet provide details of furniture and fixture, no.of Quantity, rate per unit and total amount

2.5

Vehicle

Sr. No.	Particular	No. Required	Rate	Amount (Rs.)
1				
Total				

This Sheet provide details of vehicles, no.of vehicle, rate per vehicle and total amount

2.6

Preliminary Expenses

Sr. No.	Particular	Amount (Rs.)
1	Chartered Enginner Fees	20,000
2	SMART DPR Fees	25,000
3	FSSAI Licnese Fees	30,000
4	MPCB Licnese Fees	50,000
5	Other Preliminary Expenses	1,25,000
Total		2,50,000

Preliminary expenses are considered as prior expenses before the beginning of business or



3.1 Schedule of General Admin Expenses (Fixed)

Particulars	Unit	No. of Unit	Unit Cost	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Manager	No.	1	15,000	1,80,000	1,89,000	1,98,450	2,08,373	2,18,791	2,29,731	2,41,217
Infant	No.	1	12,000	1,44,000	1,51,200	1,58,760	1,66,698	1,75,033	1,83,785	1,92,974
Women	No.	2	7,000	1,68,000	1,76,400	1,85,220	1,94,481	2,04,205	2,14,415	2,25,136
Children	No.	2	8,000	1,92,000	2,01,600	2,11,680	2,22,264	2,33,377	2,45,046	2,57,298
Home and internet Exp	Months	12	3,000	36,000	37,800	39,690	41,675	43,758	45,946	48,243
Electricity Exp	Months	12	5,000	60,000	63,000	66,150	69,458	72,930	76,577	80,406
Lease	Months	12	5,000	60,000	63,000	66,150	69,458	72,930	76,577	80,406
Expenses	Months	12	5,000	60,000	63,000	66,150	69,458	72,930	76,577	80,406
and Legal Compliances expenses	Lumpsum	1	50,000	1,20,000	1,26,000	1,32,300	1,38,915	1,45,861	1,53,154	1,60,811
				50,000	52,500	55,125	57,881	60,775	63,814	67,005
Total Admin Expense				10,70,000	11,23,500	11,79,675	12,38,659	13,00,592	13,65,621	14,33,902

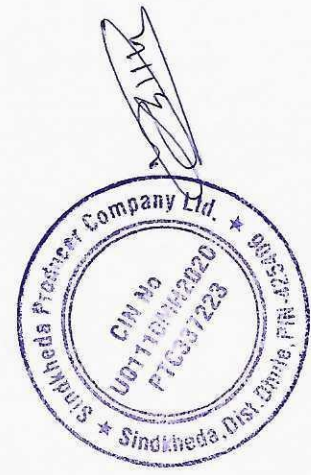
related to salary it should multiply by 12 months.



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3.2 Depreciation

Particulars	As per companies Act							As per IT Act						
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Plant and machinery	2,07,63,644	2,01,05,436	1,94,47,229	1,87,89,021	1,81,30,814	1,74,72,606	1,68,14,399	2,07,63,644	1,86,87,280	1,68,18,532	1,51,36,696	1,36,23,027	1,22,60,724	1,10,34,652
Buildings	6,58,208	6,58,208	6,58,208	6,58,208	6,58,208	6,58,208	6,58,208	20,76,364	18,68,728	16,81,855	15,13,670	13,62,303	12,26,072	11,03,465
Leasehold Assets	6,58,208	13,16,415	19,74,623	26,32,830	32,91,038	39,49,245	46,07,453	20,76,364	39,45,092	56,26,948	71,40,617	85,02,920	97,28,992	1,08,32,457
Intangible Assets	2,01,05,436	1,94,47,229	1,87,89,021	1,81,30,814	1,74,72,606	1,68,14,399	1,61,56,191	1,86,87,280	1,68,18,532	1,51,36,696	1,36,23,027	1,22,60,724	1,10,34,652	99,31,187
Goodwill	1,65,05,025	1,54,60,257	1,44,15,489	1,33,70,721	1,23,25,953	1,12,81,185	1,02,36,417	1,65,05,025	1,40,29,271	1,19,24,881	1,01,36,148	86,15,726	73,23,367	62,24,862
Investment Properties	10,44,768	10,44,768	10,44,768	10,44,768	10,44,768	10,44,768	10,44,768	24,75,754	21,04,391	17,88,732	15,20,422	12,92,359	10,98,505	9,33,729
Other Assets	10,44,768	31,34,304	41,79,072	52,23,840	62,68,608	73,13,377	83,58,144	24,75,754	45,80,144	63,68,877	78,89,299	91,81,658	1,05,80,163	1,12,13,892
Assets under Construction	1,54,60,257	1,44,15,489	1,33,70,721	1,23,25,953	1,12,81,185	1,02,36,417	91,91,648	1,40,29,271	1,19,24,881	1,01,36,148	86,15,726	73,23,367	62,24,862	52,91,133
Intangible Assets	55,800	50,220	44,640	39,060	33,480	27,900	22,320	55,800	50,220	45,198	40,678	36,610	32,949	29,654
Plant and machinery	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,022	4,520	4,068	3,661	3,295	2,965
Buildings	11,160	11,160	11,160	11,160	11,160	11,160	11,160	11,160	10,002	9,002	8,112	7,283	6,511	5,791
Leasehold Assets	50,220	44,640	39,060	33,480	27,900	22,320	16,740	50,220	45,198	40,678	36,610	32,949	29,654	26,689
Intangible Assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Investment Properties	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assets under Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intangible Assets	1,34,000	1,20,600	1,07,200	93,800	80,400	67,000	53,600	1,34,000	80,400	48,240	28,944	17,366	10,420	6,252
Plant and machinery	13,400	13,400	13,400	13,400	13,400	13,400	13,400	53,600	32,160	19,296	11,578	6,947	4,168	2,501
Buildings	13,400	26,800	40,200	53,600	67,000	80,400	93,800	53,600	85,760	1,05,056	1,16,634	1,23,580	1,27,748	1,30,249
Leasehold Assets	1,20,600	1,07,200	93,800	80,400	67,000	53,600	40,200	80,400	48,240	28,944	17,366	10,420	6,252	3,751
Intangible Assets	3,57,36,513	3,57,36,513	3,57,36,513	3,57,36,513	3,57,36,513	3,57,36,513	3,57,36,513	3,57,36,513	3,28,47,171	2,88,36,870	2,53,42,467	2,22,92,730	1,96,27,461	1,72,95,420
Investment Properties	17,21,956	17,21,956	17,21,956	17,21,956	17,21,956	17,21,956	17,21,956	46,11,298	40,10,301	34,94,403	30,49,737	26,05,269	23,32,040	20,42,661
Other Assets	3,57,36,513	3,40,14,858	3,22,92,602	3,05,70,647	2,88,48,691	2,71,26,735	2,54,04,780	3,28,47,171	2,88,36,870	2,53,42,467	2,22,92,730	1,96,27,461	1,72,95,420	1,52,52,760



Depreciation percent as per IT Act

Depreciation percent

SLM WDV

0.00% 0.00%

3.17% 10.00%

10.00% 10.00%

10.00% 40.00%

11.88% 15.00%

6.33% 15.00%

20%

20%

Depreciation: Straight Line Method (SLM) is

Depreciation: Straight Line Method (SLM) is

and Electrification

structure

achinery

ion: Straight Line Method (SLM) is

ve or pre-incubation

3.3 Amortization Schedule

Particulars	Years	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Primary Expenses	5	50,000	50,000	50,000	50,000	50,000	50,000	-
Initial Value		50,000	50,000	50,000	50,000	50,000	50,000	-

3.4 Tax Schedule

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Depreciation as per companies Act	53,21,637	25,46,881	49,44,917	74,17,397	1,00,38,738	1,26,33,839	1,50,97,213
Depreciation as per IT Act	46,11,298	40,10,301	34,94,403	30,49,737	26,65,269	23,32,040	20,42,661
Net Income	46,11,298	40,10,301	34,94,403	30,49,737	26,65,269	23,32,040	20,42,661
Provision of Taxes	53,21,637	25,46,881	49,44,917	74,17,397	1,00,38,738	1,26,33,839	1,50,97,213
	13,83,626	6,62,189	12,85,679	19,28,523	26,10,072	32,84,798	39,25,275

26%

num Tax rate

This Sheet refer for provision of tax calculation



4.1 Repayment Schedule

Loan Amount (Rs) 1,13,00,000
 Interest rate /PA 13%
 Loan Tenure in years 5
 Moratorium Period (In Months) 6
 EMI Rs. 2,78,927.58

Year	Particulars	Opening Balance	Interest	Pricipal Repayment	EMI	Closing Outstanding
Year 1	Month 1	1,13,00,000	1,24,771	-	1,24,771	1,13,00,000
	Month 2	1,13,00,000	1,24,771	-	1,24,771	1,13,00,000
	Month 3	1,13,00,000	1,24,771	-	1,24,771	1,13,00,000
	Month 4	1,13,00,000	1,24,771	-	1,24,771	1,13,00,000
	Month 5	1,13,00,000	1,24,771	-	1,24,771	1,13,00,000
	Month 6	1,13,00,000	1,24,771	-	1,24,771	1,13,00,000
	Month 7	1,13,00,000	1,24,771	-	1,24,771	1,13,00,000
	Month 8	1,11,45,843	1,23,069	1,54,157	2,78,928	1,11,45,843
	Month 9	1,09,89,984	1,21,348	1,55,859	2,78,928	1,09,89,984
	Month 10	1,08,32,404	1,19,608	1,57,580	2,78,928	1,08,32,404
	Month 11	1,06,73,084	1,17,849	1,59,320	2,78,928	1,06,73,084
	Month 12	1,05,12,005	1,16,070	1,61,079	2,78,928	1,05,12,005
Year 2	Month 13	1,03,49,148	1,14,272	1,62,858	2,78,928	1,03,49,148
	Month 14	1,01,84,492	1,12,454	1,64,656	2,78,928	1,01,84,492
	Month 15	1,00,18,018	1,10,616	1,66,474	2,78,928	1,00,18,018
	Month 16	98,49,706	1,08,757	1,68,312	2,78,928	98,49,706
	Month 17	96,79,536	1,06,878	1,70,170	2,78,928	96,79,536
	Month 18	95,07,487	1,04,978	1,72,049	2,78,928	95,07,487
	Month 19	93,33,538	1,03,058	1,73,949	2,78,928	93,33,538
	Month 20	91,57,668	1,01,116	1,75,870	2,78,928	91,57,668
	Month 21	89,79,856	99,153	1,77,812	2,78,928	89,79,856
	Month 22	88,00,081	97,168	1,79,775	2,78,928	88,00,081
	Month 23	86,18,321	95,161	1,81,760	2,78,928	86,18,321
	Month 24	84,34,554	93,132	1,83,767	2,78,928	84,34,554
Year 3	Month 25	82,48,758	91,080	1,85,796	2,78,928	82,48,758
	Month 26	80,60,911	89,006	1,87,848	2,78,928	80,60,911
	Month 27	78,70,989	86,909	1,89,922	2,78,928	78,70,989
	Month 28	76,78,970	84,789	1,92,019	2,78,928	76,78,970
	Month 29	74,84,831	82,645	1,94,139	2,78,928	74,84,831
	Month 30	72,88,549	80,478	1,96,283	2,78,928	72,88,549
	Month 31	70,90,099	78,287	1,98,450	2,78,928	70,90,099
	Month 32	68,89,458	76,071	2,00,641	2,78,928	68,89,458
	Month 33	66,86,601	73,831	2,02,856	2,78,928	66,86,601
	Month 34	64,81,505	71,567	2,05,096	2,78,928	64,81,505
	Month 35	62,74,144	69,277	2,07,361	2,78,928	62,74,144
	Month 36	60,64,493	66,962	2,09,651	2,78,928	60,64,493
Year 4	Month 37	58,52,528	64,622	2,11,965	2,78,928	58,52,528
	Month 38	56,38,222	62,255	2,14,306	2,78,928	56,38,222
	Month 39	54,21,550	59,863	2,16,672	2,78,928	54,21,550
	Month 40	52,02,485	57,444	2,19,065	2,78,928	52,02,485
	Month 41	49,81,002	54,999	2,21,483	2,78,928	49,81,002
	Month 42	47,57,073	52,526	2,23,929	2,78,928	47,57,073
	Month 43	45,30,671	50,026	2,26,402	2,78,928	45,30,671
	Month 44	43,01,770	47,499	2,28,901	2,78,928	43,01,770
	Month 45	40,70,341	44,943	2,31,429	2,78,928	40,70,341
	Month 46	38,36,357	42,360	2,33,984	2,78,928	38,36,357
	Month 47	35,99,789	39,748	2,36,568	2,78,928	35,99,789
	Month 48	33,60,609	37,107	2,39,180	2,78,928	33,60,609
Year 5	Month 49	31,18,788	34,437	2,41,821	2,78,928	31,18,788
	Month 50	28,74,297	31,737	2,44,491	2,78,928	28,74,297
	Month 51	26,27,106	29,008	2,47,191	2,78,928	26,27,106
				2,49,920	2,78,928	23,77,186



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	Month 52	23,77,186	26,248	2,52,679	2,78,928	21,24,507
	Month 53	21,24,507	23,458	2,55,469	2,78,928	18,69,038
	Month 54	18,69,038	20,637	2,58,290	2,78,928	16,10,747
	Month 55	16,10,747	17,785	2,61,142	2,78,928	13,49,605
	Month 56	13,49,605	14,902	2,64,026	2,78,928	10,85,579
	Month 57	10,85,579	11,987	2,66,941	2,78,928	8,18,638
	Month 58	8,18,638	9,039	2,69,888	2,78,928	5,48,750
	Month 59	5,48,750	6,059	2,72,868	2,78,928	2,75,881
Year 6	Month 60	2,75,881	3,046	2,75,881	2,78,928	(0)
	Month 61	(0)	(0)	-	-	(0)
	Month 62	(0)	(0)	-	-	(0)
	Month 63	(0)	(0)	-	-	(0)
	Month 64	(0)	(0)	-	-	(0)
	Month 65	(0)	(0)	-	-	(0)
	Month 66	(0)	(0)	-	-	(0)
	Month 67	(0)	(0)	-	-	(0)
	Month 68	(0)	(0)	-	-	(0)
	Month 69	(0)	(0)	-	-	(0)
	Month 70	(0)	(0)	-	-	(0)
	Month 71	(0)	(0)	-	-	(0)
	Month 72	(0)	(0)	-	-	(0)
Year 7	Month 73	(0)	(0)	-	-	(0)
	Month 74	(0)	(0)	-	-	(0)
	Month 75	(0)	(0)	-	-	(0)
	Month 76	(0)	(0)	-	-	(0)
	Month 77	(0)	(0)	-	-	(0)
	Month 78	(0)	(0)	-	-	(0)
	Month 79	(0)	(0)	-	-	(0)
	Month 80	(0)	(0)	-	-	(0)
	Month 81	(0)	(0)	-	-	(0)
	Month 82	(0)	(0)	-	-	(0)
	Month 83	(0)	(0)	-	-	(0)
	Month 84	(0)	(0)	-	-	(0)

4510714.62

11299999.70

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



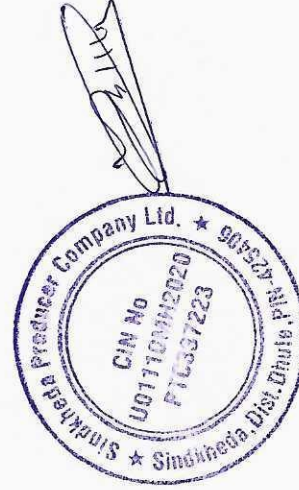
5.1 Closing and Opening Stock Calculation

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Opening Stock							
Agri Input							
Oil Mill Unit		24,23,878	28,84,431	33,85,755	39,29,186	45,18,745	-
Cleaning Grading Unit		39,23,310	48,92,039	59,48,158	70,96,833	83,45,956	51,56,418
Horticulture Processing							97,02,080
Total		63,47,188	77,76,470	93,33,913	1,10,26,020	1,28,64,701	1,48,58,498
Closing Stock							
Agri Input							
Oil Mill Unit	5%						
Cleaning Grading Unit	5%	24,23,878	33,85,755	39,29,186	45,18,745	51,56,418	58,47,631
Horticulture Processing	5%	39,23,310	48,92,039	59,48,158	70,96,833	83,45,956	1,11,72,989
Total		63,47,188	77,76,470	93,33,913	1,10,26,020	1,28,64,701	1,70,20,620

g 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

ption:

1. Closing stock of each facility is 5%

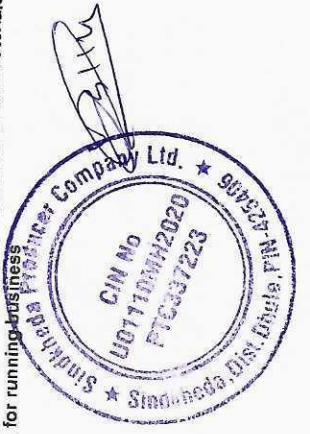


5.2 Working Capital Calculation

Sr. No.	Particulars	Duration (In days)	Y1	Y2	Y3	Y4	Y5	Y6	Y7
A	Accounts Receivables (Debtors)								
1	Agri Input	14	-	-	-	-	-	-	-
2	Custom Hiring	15	53,217	55,878	58,672	61,605	64,686	67,920	-
3	Oil Mill Unit	10	13,28,182	15,80,510	18,55,208	21,52,979	24,76,025	28,25,435	71,31,6
4	Cleaning Grading Unit	10	21,49,759	26,80,569	32,59,265	38,88,676	45,73,127	53,16,208	32,04,181
5	Warehouse	14	-	-	-	-	-	-	61,22,186
6	Processing Unit - Horti Commodity	14	-	-	-	-	-	-	-
	Subtotal		35,31,128	43,16,957	51,73,145	61,03,260	71,13,837	82,09,563	93,97,683
B	Closing Stock		63,47,188	77,76,470	93,33,913	1,10,26,020	1,28,64,701	1,48,58,498	1,70,20,620
	Total		98,78,316	1,20,93,428	1,45,07,057	1,71,29,280	1,99,78,539	2,30,68,061	2,64,18,303
C	Accounts Payable & Accrued Expenses (Creditors)								
1	Agri Input	7	-	-	-	-	-	-	-
2	Custom Hiring	21	46,224	48,536	50,962	53,511	56,186	58,995	61,945
3	Oil Mill Unit	21	24,24,378	28,85,009	33,85,643	39,29,128	45,18,497	51,56,981	58,48,016
4	Cleaning Grading Unit	21	43,97,565	54,83,214	66,66,445	79,54,273	93,54,224	1,08,74,292	1,25,22,966
5	Warehouse	7	-	-	-	-	-	-	-
6	Processing Unit - Horti Commodity	7	-	-	-	-	-	-	-
	Total		68,68,167	84,16,758	1,01,03,050	1,19,36,912	1,39,28,908	1,60,90,268	1,84,32,927
D	Working Capital		30,10,149	36,76,669	44,04,007	51,92,368	60,49,631	69,77,793	79,85,376
	Own Contribution	100%	30,10,149	36,76,669	44,04,007	51,92,368	60,49,631	69,77,793	79,85,376

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

- 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



6.1 Consolidated Profit and loss account for the Project

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Revenue							
Facility 1 - Trading	-	-	-	-	-	-	-
Facility 2 - Cleaning Grading Unit	7,84,66,200	9,78,40,785	11,89,63,157	14,19,36,668	16,69,19,128	19,40,41,599	22,34,59,782
Facility 3 - Oil Mill Unit	4,84,77,550	5,76,88,617	6,77,15,098	7,85,83,729	9,03,74,901	10,31,28,362	11,69,52,619
Facility 4 - Custom Hiring	12,94,949	13,59,697	14,27,682	14,99,066	15,74,019	16,52,720	17,35,356
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
Total Revenue	12,82,38,699	15,68,89,099	18,81,05,937	22,20,19,463	25,88,68,049	29,88,22,681	34,21,47,757
Variable Cost							
Facility 1 - Trading	-	-	-	-	-	-	-
Facility 2 - Cleaning Grading Unit	7,25,10,553	9,43,34,744	11,48,13,039	13,71,04,164	16,13,36,203	18,76,49,421	21,61,90,171
Facility 3 - Oil Mill Unit	4,13,50,448	5,16,30,837	6,06,29,601	7,04,00,544	8,09,96,055	9,24,76,268	10,49,00,045
Facility 4 - Custom Hiring	8,03,424	8,43,595	8,85,775	9,30,064	9,76,567	10,25,396	10,76,665
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
Total Variable Cost	11,46,64,425	14,68,09,177	17,63,28,415	20,84,34,773	24,33,08,826	28,11,51,085	32,21,66,881
Fixed Cost							
Facility 1 - Trading	-	-	-	-	-	-	-
Facility 2 - Cleaning Grading Unit	4,08,000	4,28,400	4,49,820	4,72,311	4,95,927	5,20,723	5,46,759
Facility 3 - Oil Mill Unit	2,10,000	2,20,500	2,31,525	2,43,101	2,55,256	2,68,019	2,81,420
Facility 4 - Custom Hiring	4,32,000	4,53,600	4,76,280	5,00,094	5,25,099	5,51,354	5,78,921
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
Admin Expenses	10,70,000	11,23,500	11,79,675	12,38,659	13,00,592	13,65,621	14,33,902
Total Fixed Cost	21,20,000	22,26,000	23,37,300	24,54,165	25,76,873	27,05,717	28,41,003
Total Cost	11,67,84,425	14,90,35,177	17,86,65,715	21,08,88,938	24,58,85,699	28,38,56,801	32,50,07,883
Profit Before Depreciation, Interest and Tax	1,14,54,274	78,53,922	94,40,221	1,11,30,525	1,29,82,350	1,49,65,879	1,71,39,874
Depreciation	46,11,298	40,10,301	34,94,403	30,49,737	26,65,269	23,32,040	20,42,661
Amortization	50,000	50,000	50,000	50,000	50,000	-	-
Profit Before Interest and Tax	67,92,976	37,93,622	58,95,818	80,30,788	1,02,67,081	1,26,33,839	1,50,97,213
Interest on Term loan	14,71,339	12,46,741	9,50,901	6,13,391	2,28,343	(0)	(0)
Profit Before Tax	53,21,637	25,46,881	49,44,917	74,17,397	1,00,38,738	1,26,33,839	1,50,97,213
Less: Tax	13,83,626	6,62,189	12,85,679	19,28,523	26,10,072	32,84,798	39,25,275
Profit After Tax	39,38,012	18,84,692	36,59,239	54,88,874	74,28,666	93,49,041	1,11,71,938
Cumulative Profit	39,38,012	58,22,703	94,81,942	1,49,70,816	2,23,99,481	3,17,48,522	4,29,20,460

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.



7.1 Balancesheet for the Project

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
ASSETS							
Current Assets							
Cash and Bank Balance	76,48,458	1,08,26,540	1,49,06,614	1,99,73,124	2,61,41,008	3,68,93,927	4,91,00,943
Accounts Receivables	35,31,128	43,16,957	51,73,145	61,03,260	71,13,837	82,09,563	93,97,683
Other Current Assets	63,47,188	77,76,470	93,33,913	1,10,26,020	1,28,64,701	1,48,58,498	1,70,20,620
Total Current Assets	1,75,26,774	2,29,19,968	2,94,13,671	3,71,02,404	4,61,19,547	5,99,61,988	7,55,19,246
Gross Fixed Assets	3,74,58,469	3,28,47,171	2,88,36,870	2,53,42,467	2,22,92,730	1,96,27,461	1,72,95,420
Less: Depreciation	46,11,298	40,10,301	34,94,403	30,49,737	26,65,269	23,32,040	20,42,661
Net Fixed Assets	3,28,47,171	2,88,36,870	2,53,42,467	2,22,92,730	1,96,27,461	1,72,95,420	1,52,52,760
Preliminary & Pre-operative Expenses	2,00,000	1,50,000	1,00,000	50,000	0	0	0
TOTAL ASSETS	5,05,73,944	5,19,06,838	5,48,56,138	5,94,45,133	6,57,47,007	7,72,57,408	9,07,72,006
LIABILITIES & SHAREHOLDERS EQUITY							
CURRENT LIABILITIES							
Short Term Debt (Working capital loan)	0	0	0	0	0	0	0
Accounts Payable & Accrued Expenses	68,68,167	84,16,758	1,01,03,050	1,19,36,912	1,39,28,908	1,60,90,268	1,84,32,927
Other Current Liabilities							
Total Current Liabilities	68,68,167	84,16,758	1,01,03,050	1,19,36,912	1,39,28,908	1,60,90,268	1,84,32,927
Secured Long Term Debt	1,03,49,148	82,48,758	58,52,528	31,18,788	0	0	0
Differed Tax Liabilities							
TOTAL LIABILITIES	1,72,17,315	1,66,65,517	1,59,55,578	1,50,55,700	1,39,28,908	1,60,90,268	1,84,32,927
Share capital	67,93,537	67,93,537	67,93,537	67,93,537	67,93,537	67,93,537	67,93,537
Smart Grant -in-Aid	2,26,25,081	2,26,25,081	2,26,25,081	2,26,25,081	2,26,25,081	2,26,25,081	2,26,25,081
Reserves and Surplus							
Add: Opening Balance (P/L Account)	0	39,38,012	58,22,703	94,81,942	1,49,70,816	2,23,99,481	3,17,48,522
Profit & Loss) During the Year	39,38,012	18,84,692	36,59,239	54,88,874	74,28,666	93,49,041	1,11,71,938
Appropriation - Dividend							
Total Reserves	39,38,012	58,22,703	94,81,942	1,49,70,816	2,23,99,481	3,17,48,522	4,29,20,460
TOTAL EQUITY	3,33,56,630	3,52,41,321	3,89,00,560	4,43,89,434	5,18,18,100	6,11,67,140	7,23,39,078
TOTAL LIABILITIES & EQUITY	5,05,73,944	5,19,06,838	5,48,56,138	5,94,45,133	6,57,47,007	7,72,57,408	9,07,72,006
CONTROL TICKER							
(=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.



8.1 Cash Flow Statement for the Project

Sr. Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
1 Operating Profit							
Total Revenue	12,82,38,699	15,68,89,099	18,81,05,937	22,20,19,463	25,88,68,049	29,88,22,681	34,21,47,757
2 Equity/ Share capital	67,93,537						
Reinvestment							
3 Grant	2,26,25,081						
4 Long Term Loan	1,13,00,000						
5 Increase in Short Term Loan	-	-	-	-	-	-	-
6 Increase in account payable	68,68,167	15,48,592	16,86,292	18,33,861	19,91,996	21,61,360	23,42,660
Sub Total (A)	17,58,25,484	15,84,37,691	18,97,92,228	22,38,53,324	26,08,60,045	30,09,84,041	34,44,90,417
Cash Outflow (Rs.)							
1 Capital Expenditure							
a Land and Building	2,07,63,644						
b Machinery and Equipment	1,65,05,025						
c Furniture & Fixture	55,800						
d It Infrastructure	1,34,000						
e Vehicle	-						
f Preliminary Expenses	2,50,000						
Operational Expenditure							
a Variable Cost	11,46,64,425	14,68,09,177	17,63,28,415	20,84,34,773	24,33,08,826	28,11,51,085	32,21,66,881
b Fixed Cost	21,20,000	22,26,000	23,37,300	24,54,165	25,76,873	27,05,717	28,41,003
3 Loan Repayment							
LTL - Principal	9,50,852	21,00,390	23,96,230	27,33,740	31,18,788	-	-
LTL - Interest	14,71,339	12,46,741	9,50,901	6,13,391	2,28,343	(0)	(0)
STL - Principal	-	-	-	-	-	-	-
STL - Interest	-	-	-	-	-	-	-
4 Tax	13,83,626	6,62,189	12,85,679	19,28,523	26,10,072	32,84,798	39,25,275
5 Increase in account Receivable	35,31,128	7,85,829	8,56,187	9,30,116	10,10,577	10,95,726	11,88,120
6 Increase in Closing Stock	63,47,188	14,29,283	15,57,443	16,92,107	18,38,682	19,93,797	21,62,122
Sub Total (B)	16,81,77,026	15,52,59,609	18,57,12,155	21,87,86,814	25,46,92,161	29,02,31,122	33,22,83,401
Net Cash Flow (A-B)	76,48,458	31,78,082	40,80,074	50,66,510	61,67,884	1,07,52,919	1,22,07,016
Opening Cash and Bank		76,48,458	1,08,26,540	1,49,06,614	1,99,73,124	2,61,41,008	3,68,93,927
Cumulative Cash Balance	76,48,458	1,08,26,540	1,49,06,614	1,99,73,124	2,61,41,008	3,68,93,927	4,91,00,943

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 Internal Rate of Return

Particular	Y0	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Profit after Tax & Dividend		39,38,011.55	18,84,691.63	36,59,238.88	54,88,873.66	74,28,665.78	93,49,040.81	1,11,71,937.93
Add: Depreciation		46,11,298.15	40,10,300.65	34,94,403.05	30,49,737.34	26,65,269.21	23,32,040.38	20,42,660.70
Add: Preliminary expense written off		50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	0.00	0.00
Net Cash Accrual (A)		85,99,309.70	59,44,992.28	72,03,641.93	85,88,611.00	1,01,43,934.99	1,16,81,081.19	1,32,14,598.63
Initial Investment/ Net Cash Accrual	#####	85,99,309.70	59,44,992.28	72,03,641.93	85,88,611.00	1,01,43,934.99	1,16,81,081.19	1,32,14,598.63
IRR	11.96%							
Present Value Equivalent		0.89	0.80	0.71	0.64	0.57	0.51	0.45
Present Value of Future Inflows		76,81,022.31	47,43,098.75	51,33,557.44	54,66,944.66	57,67,447.34	59,32,198.29	59,94,349.07
Operating Net Cash Inflow					4,07,18,617.87			
Present Capital Outflow					4,07,18,617.87			

0.00

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.

9.2 Break even Point

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Gross Receipts							
Facility 1 - Trading	-	-	-	-	-	-	-
Facility 2 - Cleaning Grading Unit	7,84,66,200	9,78,40,785	11,89,63,157	14,19,36,668	16,69,19,128	19,40,41,599	22,34,59,782
Facility 3 - Oil Mill Unit	4,84,77,550	5,76,88,617	6,77,15,098	7,85,83,729	9,03,74,901	10,31,28,362	11,69,52,619
Facility 4 - Custom Hiring	12,94,949	13,59,697	14,27,682	14,99,066	15,74,019	16,52,720	17,35,356
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Comm	-	-	-	-	-	-	-
Total Receipts	12,82,38,699	15,68,89,099	18,81,05,937	22,20,19,463	25,88,68,049	29,88,22,681	34,21,47,757
Total Variable Exp	11,46,64,425	14,68,09,177	17,63,28,415	20,84,34,773	24,33,08,826	28,11,51,085	32,21,66,881
Contribution	1,35,74,274	1,00,79,922	1,17,77,521	1,35,84,690	1,55,59,223	1,76,71,596	1,99,80,877
Total Fixed exp	67,81,298	62,86,301	58,81,703	55,53,902	52,92,142	50,37,757	48,83,663
BEP	50%	62%	50%	41%	34%	29%	24%

Average BEP

41.44%

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.



9.3 Net Present Value

Particular	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Profit after Tax & Dividend	39,38,012	18,84,692	36,59,239	54,88,874	74,28,666	93,49,041	1,11,71,938
Add: Depreciation	46,11,298	40,10,301	34,94,403	30,49,737	26,65,269	23,32,040	20,42,661
Add. Preliminary exp Written off	50,000	50,000	50,000	50,000	50,000	0	0
Net Cash Accrual (A)	85,99,310	59,44,992	72,03,642	85,88,611	1,01,43,935	1,16,81,081	1,32,14,599
PV Factor @ 10 %	0.91	0.83	0.75	0.68	0.62	0.56	0.51
Disc Cash Flow	78,17,554	49,13,217	54,12,203	58,66,137	62,98,586	65,93,666	67,81,179

Total Discounted Cash Flows 4,36,82,541

Present Value of Outflow 4,07,18,618

NPV 29,63,922.75

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.

9.4 Return On Investments

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Net Profit	39,38,012	18,84,692	36,59,239	54,88,874	74,28,666	93,49,041	1,11,71,938
Average net profit	6131494.32						
Total Project cost	40718617.87						
ROI	15.06%						

Return on investment (ROI) is a performance measure used to evaluate the efficiency or profitability of an investment

9.5 Payback Period (In years) - Project

Particulars	Y0	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Initial Investment	4,07,18,618							
Profit after Tax & Dividend		39,38,012	18,84,692	36,59,239	54,88,874	74,28,666	93,49,041	1,11,71,938
Add: Depreciation		46,11,298	40,10,301	34,94,403	30,49,737	26,65,269	23,32,040	20,42,661
Add. Preliminary exp Written off		50,000	50,000	50,000	50,000	50,000		
Net Cash Accrual (A)		85,99,310	59,44,992	72,03,642	85,88,611	1,01,43,935	1,16,81,081	1,32,14,599
Cashflow - Initial Investment		(3,21,19,308)	(2,61,74,316)	(1,89,70,674)	(1,03,82,063)	(2,38,128)	1,14,42,953	2,46,57,552

Payback period (in years) - Project

5.02

The payback period refers to the amount of time it takes to recover the cost of an investment

9.6 Debt Service Coverage Ratio (DSCR)

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Net Operating Income	1,14,54,274	78,53,922	94,40,221	1,11,30,525	1,29,82,350	1,49,65,879	1,71,39,874
Total	1,14,54,274	78,53,922	94,40,221	1,11,30,525	1,29,82,350	1,49,65,879	1,71,39,874
Total Annual EMI	24,22,190	33,47,131	33,47,131	33,47,131	33,47,131	(0)	(0)
Debt Service Coverage Ratio (DSCR)	4.73	2.35	2.82	3.33	3.88	0.00	0.00

Average DSCR 2.44

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 Sensitivity Analysis

Quantity Variation (+5%)	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Facility 1 - Trading	-	-	-	-	-	-	-
Facility 2 - Cleaning Grading Unit	8,23,89,510	10,27,32,824	12,49,11,315	14,90,33,501	17,52,65,085	20,37,43,679	23,46,32,771
Facility 3 - Oil Mill Uni	5,09,01,428	6,05,73,048	7,11,00,853	8,25,12,916	9,48,93,646	10,82,84,780	12,28,00,250
Facility 4 - Custom Hiring	13,59,697	14,27,682	14,99,066	15,74,019	16,52,720	17,35,356	18,22,124
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Comm	-	-	-	-	-	-	-
Total Income	13,46,50,634	16,47,33,554	19,75,11,233	23,31,20,436	27,18,11,451	31,37,63,815	35,92,55,145
Expenditure	-	-	-	-	-	-	-
Fixed Cost (Excl. of Depreciation, Amort)	21,20,000	22,26,000	23,37,300	24,54,165	25,76,873	27,05,717	28,41,003
Variable Cost	12,03,97,647	14,68,09,177	17,63,28,415	20,84,34,773	24,33,08,826	28,11,51,085	32,21,66,881
Total Operational Expenses	12,25,17,647	14,90,35,177	17,86,65,715	21,08,88,938	24,58,85,699	28,38,56,801	32,50,07,883
Net Income	1,21,32,988	1,56,98,377	1,88,45,518	2,22,31,498	2,59,25,752	2,99,07,013	3,42,47,262

Cost Variation (+5%)	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Facility 1 - Trading	-	-	-	-	-	-	-
Facility 2 - Cleaning Grading Unit	7,84,66,200	9,78,40,785	11,89,63,157	14,19,36,668	16,69,19,128	19,40,41,599	22,34,59,782
Facility 3 - Oil Mill Uni	4,84,77,550	5,76,88,617	6,77,15,098	7,85,83,729	9,03,74,901	10,31,28,362	11,69,52,619
Facility 4 - Custom Hiring	12,94,949	13,59,697	14,27,682	14,99,066	15,74,019	16,52,720	17,35,356
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Comm	-	-	-	-	-	-	-
Total Income	12,82,38,699	15,68,89,099	18,81,05,937	22,20,19,463	25,88,68,049	29,88,22,681	34,21,47,757
Expenditure	-	-	-	-	-	-	-
Fixed Cost (Excl. of Depreciation, Amort)	21,20,000	22,26,000	23,37,300	24,54,165	25,76,873	27,05,717	28,41,003
Variable Cost	12,03,97,647	15,41,49,635	18,51,44,836	21,88,56,511	25,54,74,267	29,52,08,639	33,82,75,225
Total Operational Expenses	12,25,17,647	15,63,75,635	18,74,82,136	22,13,10,676	25,80,51,140	29,79,14,356	34,11,16,227
Net Income	57,21,053	5,13,464	6,23,800	7,08,787	8,16,908	9,08,325	10,31,530

Quantity Variation (-5%)	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Facility 1 - Trading	-	-	-	-	-	-	-
Facility 2 - Cleaning Grading Unit	7,45,42,890	9,29,48,746	11,30,14,999	13,48,39,834	15,85,73,172	18,43,39,519	21,22,86,793
Facility 3 - Oil Mill Uni	4,60,53,673	5,48,04,186	6,43,29,343	7,46,54,543	8,58,56,156	9,79,71,944	11,11,04,988
Facility 4 - Custom Hiring	12,30,202	12,91,712	13,56,298	14,24,113	14,95,318	15,70,084	16,48,588
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Comm	-	-	-	-	-	-	-
Total Income	12,18,26,765	14,90,44,644	17,87,00,640	21,09,18,490	24,59,24,646	28,38,81,547	32,50,40,370
Expenditure	-	-	-	-	-	-	-
Fixed Cost (Excl. of Depreciation, Amort)	21,20,000	22,26,000	23,37,300	24,54,165	25,76,873	27,05,717	28,41,003
Variable Cost	10,89,31,204	13,94,68,718	16,75,11,995	19,80,13,034	23,11,43,385	26,70,93,530	30,60,58,536
Total Operational Expenses	11,10,51,204	14,16,94,718	16,98,49,295	20,04,67,199	23,37,20,258	26,97,99,247	30,88,99,539
Net Income	1,07,75,560	73,49,926	88,51,345	1,04,51,291	1,22,04,389	1,40,82,300	1,61,40,830

Cost Variation (-5%)	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Facility 1 - Trading	-	-	-	-	-	-	-
Facility 2 - Cleaning Grading Unit	7,84,66,200	9,78,40,785	11,89,63,157	14,19,36,668	16,69,19,128	19,40,41,599	22,34,59,782
Facility 3 - Oil Mill Uni	4,84,77,550	5,76,88,617	6,77,15,098	7,85,83,729	9,03,74,901	10,31,28,362	11,69,52,619
Facility 4 - Custom Hiring	12,94,949	13,59,697	14,27,682	14,99,066	15,74,019	16,52,720	17,35,356
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Comm	-	-	-	-	-	-	-
Total Income	12,82,38,699	15,68,89,099	18,81,05,937	22,20,19,463	25,88,68,049	29,88,22,681	34,21,47,757
Expenditure	-	-	-	-	-	-	-
Fixed Cost (Excl. of Depreciation, Amort)	21,20,000	22,26,000	23,37,300	24,54,165	25,76,873	27,05,717	28,41,003
Variable Cost	10,89,31,204	13,94,68,718	16,75,11,995	19,80,13,034	23,11,43,385	26,70,93,530	30,60,58,536
Total Operational Expenses	11,10,51,204	14,16,94,718	16,98,49,295	20,04,67,199	23,37,20,258	26,97,99,247	30,88,99,539
Net Income	1,71,87,495	1,51,94,381	1,82,56,642	2,15,52,264	2,51,47,791	2,90,23,434	3,32,48,218

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 assume 5% (+,-) while calculating sensitivity analysis



Grains Crop Production Details

10.1 Details of members and non-members

Particulars	No.
Total No. of Members Cultivating Grain Crops	10058
Total No. of Non-members Cultivating Grain Crops	0
Total	10058
Average Land Holding per Member (Acres)	2
Total Cultivated Land under grain Crop (Acres)	20116

10.2 Statement Showing Area, production, productivity and marketable surplus of Crops

Season	Crop	Cultivation In (%)	Total Land under Cultivation (In Acres)	Yield/Acres (In Quintals)	Total Production (In Quintals)	Consumption in (%)	Marketable Surplus (In Quintals)
Kharif	Maize	25%	5029	20	100580	5%	95551.00
	Harbara	5%	1005.8		3017.4	5%	2866.53
	Groundnut	10%	2011.6		20116	5%	19110.20
	Soyabih	10%	2011.6		20116	5%	19110.20
	Tur	5%	1005.8		10058	5%	9555.10
	Bajara	20%	4023.2		48278.4	5%	45864.48
	Urdid	10%	2011.6		10058	5%	9555.10
	Mug	10%	2011.6		10058	5%	9555.10
	Chavali	5%	1005.8		5029	5%	4777.55
Area Under Rabbi Cultivation (In Acres)	Maize	100%	20116				
	Dadar	30%	6034.8	20	120696	5%	114561.20
	Harbara	30%	6034.8	8	48278.4	5%	45864.48
	Wheat	10%	2011.6	3	6034.8	5%	5733.06
	Groundnut	15%	3017.4	20	60348	5%	57330.60
	Bajara	10%	2011.6	10	20116	5%	19110.20
		5%	1005.8	12	12069.6	5%	11466.12
Area Under Summer Cultivation (In Acres)		5%	1005.8				
		0%	0	0	0	0%	0
		0%	0	0	0	0%	0
		0%	0	0	0	0%	0
		0%	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	55%	60%	65%	70%	75%	80%	85%
	Y1	Y2	Y3	Y4	Y5	Y6	Y7

10.4 Quantity of Marketable Surplus Produce Considered for Processing Business

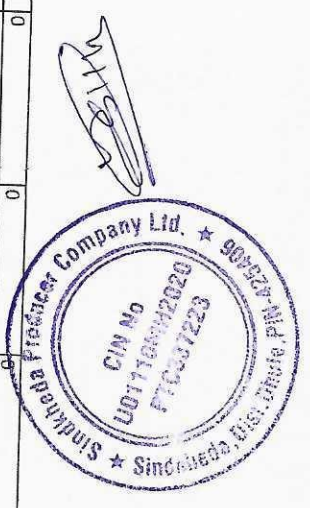
Particulars	8%	10%	11%	13%	14%	16%	17%
	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Maize	16817	19970	23123	26277	29430	32583	35736
Harbara	688	817	946	1075	1204	1333	1462
Tur	764	908	1051	1194	1338	1481	1624
Bajara	4586	5446	6306	7166	8026	8886	9746
Udid	764	908	1051	1194	1338	1481	1624
Mug	764	908	1051	1194	1338	1481	1624
Chavali	382	454	526	597	669	741	812
Dadar	3669	4357	5045	5733	6421	7109	7797
Wheat	4586	5446	6306	7166	8026	8886	9746
Total	33022	39214	45406	51598	57789	63981	70173

10.4 Quantity of Marketable Surplus Produce Considered for Processing Business

Particulars	15%	17%	19%	21%	23%	25%	27%
	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Groundnut	5733	6497	7262	8026	8791	9555	10320
Soyabin	2867	3249	3631	4013	4395	4778	5160
Total	8600	9746	10893	12039	13186	14333	15479

10.5 Crop-wise Area Considered for Agri Input Service Centre

Particulars	65%	70%	75%	80%	85%	90%	95%
	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Maize	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0



Facility 2 - Grain Processing Unit - Cleaning Grading Unit
13.1 Producers/ Capacity Utilization

Capacity
No. of Hours

40 Qds P Hour
8

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
No. of Operation Days	103	123	142	161	181	200	219
Maize	16817	19970	23123	26277	29430	32583	35736
Harbara	688	817	946	1075	1204	1333	1462
Tur	764	908	1051	1194	1338	1481	1624
Bajara	4586	5446	6306	7166	8026	8886	9746
Udid	764	908	1051	1194	1338	1481	1624
Mug	764	908	1051	1194	1338	1481	1624
Chavali	382	454	526	597	669	741	812
Dadar	3669	4357	5045	5733	6421	7109	7797
Wheat	4586	5446	6306	7166	8026	8886	9746
Total Quantity to be Processed	33022	39214	45406	51598	57789	63981	70173
Job Work (50%)	0%	0%	0%	0%	0%	0%	0%
Quantity for Processing and Trading for PC	100%	100%	100%	100%	100%	100%	100%
Job Work (50%)	-	-	-	-	-	-	-
Quantity for Processing (100%)	-	-	-	-	-	-	-
Output (Quintal)							
Maize	15976	18972	21967	24963	27958	30954	33949
Harbara	654	776	899	1021	1144	1266	1389
Tur	726	862	999	1135	1271	1407	1543
Bajara	4495	5337	6180	7023	7866	8709	9551
Udid	741	881	1020	1159	1298	1437	1576
Mug	741	881	1020	1159	1298	1437	1576
Chavali	371	440	510	579	649	718	788
Dadar	3559	4226	4894	5561	6228	6896	7563
Wheat	4449	5283	6117	6951	7785	8620	9454
Total Quantity For Sales	31712	37658	43606	49551	55497	61444	67389

41622 48960

Packaging (In Kg)	In KG
Maize	30
Harbara	30
Tur	30
Bajara	30
Udid	30
Mug	30
Chavali	30
Dadar	30
Wheat	30



[Handwritten Signature]

13.2 Facility 2 - Profit and loss of Grain Processing Unit - Cleaning Grading Unit

Particulars	Unit	Rate	100%	105.00%	110.25%	115.76%	121.55%	127.63%	134.01%
			Y1	Y2	Y3	Y4	Y5	Y6	Y7
Revenue									
Maize	30 Kg	675	3,41,48,700	4,25,80,283	5,17,67,295	6,17,69,032	7,26,38,927	8,44,44,117	9,72,45,364
Harbara	30 Kg	1365	28,26,915	35,21,973	42,84,235	51,08,915	60,10,605	69,84,176	80,45,871
Tur	30 Kg	1440	33,10,560	41,27,256	50,22,373	59,91,404	70,44,783	81,88,520	94,29,020
Bajara	30 Kg	660	93,94,550	1,17,12,047	1,42,40,111	1,69,91,701	1,99,82,850	2,32,30,635	2,67,50,440
Udid	30 Kg	1650	38,71,725	48,33,386	58,75,774	70,10,317	82,43,624	95,82,737	1,10,35,152
Chavali	30 Kg	1650	38,71,725	48,33,386	58,75,774	70,10,317	82,43,624	95,82,737	1,10,35,152
Dadar	30 Kg	720	19,38,475	24,13,950	29,37,887	35,02,134	41,21,812	47,88,034	55,17,576
Wheat	30 Kg	780	81,14,520	1,01,17,044	1,23,02,048	1,46,77,620	1,72,59,994	2,00,66,822	2,31,08,127
Revenue			7,84,66,200	9,78,40,785	11,89,63,157	14,19,36,668	16,69,19,128	19,40,41,599	22,34,59,782
Expenses									
Variable Cost									
Maize	Quintals	1,850	3,11,11,406	3,87,92,034	4,71,62,946	5,62,73,970	6,61,78,189	7,69,32,145	8,85,96,050
Harbara	Quintals	3,800	26,14,275	32,59,675	39,63,078	47,28,673	55,60,919	64,64,568	74,44,680
Tur	Quintals	4,000	30,57,632	38,12,485	46,35,179	55,30,611	65,03,999	75,60,899	87,07,229
Bajara	Quintals	1,850	84,84,929	1,05,79,646	1,28,62,622	1,53,47,446	1,80,48,597	2,09,81,494	2,41,62,559
Udid	Quintals	4,600	35,16,277	43,84,358	53,30,456	63,60,203	74,79,599	86,95,034	1,00,13,313
Mug	Quintals	4,600	35,16,277	43,84,358	53,30,456	63,60,203	74,79,599	86,95,034	1,00,13,313
Chavali	Quintals	4,500	17,19,918	21,44,523	26,07,288	31,10,969	36,58,499	42,53,006	48,97,816
Wheat	Quintals	2,200	73,38,317	91,49,964	1,11,24,430	1,32,73,467	1,56,09,597	1,81,46,157	2,08,97,349
Oil (Liters)	2	100	1,00,90,186	1,25,81,200	1,52,96,091	1,82,51,017	2,14,63,196	2,49,50,966	2,87,33,854
Daily Labour	10	300	6,60,449	8,23,497	10,01,199	11,94,612	14,04,864	16,33,154	18,80,761
Electricity Charges	605.752	8	3,09,585	3,86,014	4,69,312	5,59,974	6,58,530	7,65,541	8,81,607
Loading/Unloading Charges			5,00,085	6,23,543	7,58,098	9,04,548	10,63,749	12,36,608	14,24,094
Packaging Exp			6,60,449	8,23,497	10,01,199	11,94,612	14,04,864	16,33,154	18,80,761
Transportation Charges			9,51,360	11,86,227	14,42,268	17,20,844	20,23,709	23,52,595	27,09,231
			19,02,720	23,72,454	28,84,537	34,41,689	40,47,417	47,05,191	54,18,462
Add: Opning Stock									
Less: Closing Stock				39,23,310	48,92,039	59,48,158	70,96,833	83,45,956	97,02,080
Total Variable Cost			7,25,10,553	9,43,34,744	11,48,13,039	13,71,04,164	16,13,36,203	18,76,49,421	21,61,90,171
Fixed Cost									
Machine Operator	2	17,000	4,08,000	4,28,400	4,49,820	4,72,311	4,95,927	5,20,723	5,46,759
Fixed Cost			4,08,000	4,28,400	4,49,820	4,72,311	4,95,927	5,20,723	5,46,759
Total expenses			7,29,18,553	9,47,63,144	11,52,62,859	13,75,76,475	16,18,32,130	18,81,70,144	21,67,36,930
Operating Profit			55,47,647	30,77,641	37,00,298	43,60,192	50,86,999	58,71,455	67,22,853

utilization of machines and also sale, expenses and operating profit of Dal Mill activity



Facility 3 - Oil Mill Unit
13.1 Producers/ Capacity Utilization

Capacity
 No. of Hours

15 Qtls P Hour
 8

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
No. of Operation Days	72	81	91	100	110	119	129
Groundnut	5733	6497	7262	8026	8791	9555	10320
Soyabin	2867	3249	3631	4013	4395	4778	5160
Total Quantity to be Processed	8600	9746	10893	12039	13186	14333	15479
Job Work (50%)	0%	0%	0%	0%	0%	0%	0%
Quantity for Processing and Trading for PC	100%	100%	100%	100%	100%	100%	100%
Job Work (50%)	-	-	-	-	-	-	-
Quantity for Processing (100%)	-	-	-	-	-	-	-
Output (Quintal)							
Groundnut Oil							
Cattle Fees (Groundnut)	1261	1429	1598	1766	1934	2102	2270
Groundnut Shells	2408	2729	3050	3371	3692	4013	4334
Soyabin Oil	1720	1949	2179	2408	2637	2867	3096
Cattle Fees (Soyabin)	229	260	290	321	352	382	413
Total Quantity For Sales	8112	9193	10276	11357	12439	13520	14602

Packaging (In Kg)	In KG
Groundnut Oil	1
Cattle Fees (Groundnut)	100
Groundnut Shells	100
Soyabin Oil	1
Cattle Fees (Soyabin)	100

39,824 46,851



13.2 Facility 3 - Profit and loss of Oil Mill Unit

Particulars	Unit	Rate	100%	105.00%	110.25%	115.76%	121.55%	127.63%	134.01%
			Y1	Y2	Y3	Y4	Y5	Y6	Y7
Revenue									
Groundnut Oil	1 Kg	230	2,75,52,850	3,27,84,833	3,84,95,221	4,46,69,392	5,13,64,742	5,86,17,953	6,64,68,074
Cattle Fees (Groundnut Oil Cake)	100 Kg	3100	70,91,560	84,38,750	99,02,931	1,14,92,432	1,32,16,127	1,50,83,459	1,71,04,485
Groundnut Shells	100 Kg	500	8,17,000	9,72,064	11,41,115	13,24,091	15,22,513	17,38,072	19,70,745
Soyabin Oil	1 Kg	130	28,28,150	33,71,550	39,48,604	45,89,231	52,84,049	60,21,114	68,35,225
Cattle Fees (Soyabin Oil Cake)	100 Kg	4300	1,01,87,990	1,21,21,421	1,42,27,228	1,65,08,583	1,89,87,472	2,16,67,764	2,45,74,091
Revenue			4,84,77,550	5,76,88,617	6,77,15,098	7,85,83,729	9,03,74,901	10,31,28,362	11,69,52,619
Expenses									
Variable Cost									
Groundnut	Quintals	5,200	2,98,11,912	3,54,76,175	4,16,32,335	4,83,15,420	5,55,62,734	6,34,13,989	7,19,11,464
Soyabin	Quintals	4,300	1,23,26,079	1,46,68,034	1,72,13,369	1,99,76,568	2,29,73,053	2,62,19,246	2,97,32,625
Oil (Liters)	2	100	1,71,992	2,04,670	2,40,187	2,78,743	3,20,554	3,65,850	4,14,874
Daily Labour	10	300	2,14,990	2,55,838	3,00,233	3,48,429	4,00,693	4,57,312	5,18,592
Electricity Charges	605.752	8	3,47,281	4,13,265	4,84,978	5,62,830	6,47,255	7,38,714	8,37,702
Loading/Unloading Charges		10	1,71,992	2,04,670	2,40,187	2,78,743	3,20,554	3,65,850	4,14,874
Packaging Exp		15	2,43,360	2,89,580	3,39,879	3,94,414	4,53,590	5,17,660	5,87,042
Transportation Charges		30	4,86,720	5,79,159	6,79,757	7,88,829	9,07,181	10,35,320	11,74,085
Add: Opening Stock				24,23,878	28,84,431	33,85,755	39,29,186	45,18,745	51,56,418
Less: Closing Stock			24,23,878	28,84,431	33,85,755	39,29,186	45,18,745	51,56,418	58,47,631
Total Variable Cost			4,13,50,448	5,16,30,837	6,06,29,601	7,04,00,544	8,09,96,055	9,24,76,268	10,49,00,045
Fixed Cost									
Machine Operator	1	17,500	2,10,000	2,20,500	2,31,525	2,43,101	2,55,256	2,68,019	2,81,420
Fixed Cost									
Total expenses			2,10,000	2,20,500	2,31,525	2,43,101	2,55,256	2,68,019	2,81,420
Total expenses			4,15,60,448	5,18,51,337	6,08,61,126	7,06,43,646	8,12,51,312	9,27,44,287	10,51,81,465
Operating Profit			69,17,102	58,37,280	68,53,972	79,40,084	91,23,590	1,03,84,075	1,17,71,154

utilization of machines and also sale, expenses and operating profit of Dal Mill 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.

Note

The above sheet is indicative for any type of processing business of grain commodities. The FPO has to fill the sheet logically and as per selected co. As Finished Product and size of Packaging is not confirmed/certain, therefore we can not add formula in processing sheet



**Facility 4 - Custom Hiring
15.1 Capacity Utilization**

Custom Hiring Equipment	No. of Equipment	Working days	No. of Hours in day	Total Hours in 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 Required
1	Sonalika Tractor GT 22	1	100	8	800	1.8	444	3	1333	500	1
2	Sonalika Tractor DI 42	1	100	8	800	2	400	3	1200	500	1
3	Nangar Hydraulic	1	50	8	400	2	200	3	600	500	1
4	Sonalika Rotavator	1	50	8	400	2	200	2.5	500	500	1
5	Cultivator	1	45	8	360	3.3	109	3	273	2000	1
6	Seed Drill	1	50	8	400	2	200	3	600	500	1
7	Mini Cultivator	1	45	8	360	3.3	109	2	218	500	1
8	Two Furrow Hydraulic Reversible M/	1	45	8	360	2	180	2	360	500	1
9	Seed Drill (9 Tine)	1	45	8	360	3	120	2	240	500	1
10	MultiCrop Thresher	1	45	8	360	3	120	2	240	500	1
11	Cutter cum Shredder	1	45	8	360	2	180	2	360	500	1



15.2 Facility 4 - Profit and loss of Custom Hiring

Particulars	Unit	No. of Unit	Rate	Y1	Y2	Y3	Y4	Y5	Y6	Y7
				100%	105.00%	110.25%	115.76%	121.55%	127.63%	134.01%
Revenue		0	0	12,94,949	13,59,697	14,27,682	14,99,066	15,74,019	16,52,720	17,35,356
Expenses										
Variable Expenses										
Labour	Litres	5924	100	5,92,424	6,22,045	6,53,148	6,85,805	7,20,095	7,56,100	7,93,905
Oil and Maintenance	No. of Days	620	300	1,86,000	1,95,300	2,05,065	2,15,318	2,26,084	2,37,388	2,49,258
Variable Cost			25000	25,000	26,250	27,563	28,941	30,388	31,907	33,502
Fixed Cost				8,03,424	8,43,595	8,85,775	9,30,064	9,76,567	10,25,396	10,76,665
Net Income	No.	3	12,000	4,32,000	4,53,600	4,76,280	5,00,094	5,25,099	5,51,354	5,78,921
Expenses				4,32,000	4,53,600	4,76,280	5,00,094	5,25,099	5,51,354	5,78,921
Net Income				12,35,424	12,97,195	13,62,055	14,30,158	15,01,666	15,76,749	16,55,587
Net Income				59,525	62,502	65,627	68,908	72,353	75,971	79,770

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

राजपुत्र कृषि अधिकारी
सिंदखेडा, जि. धुळे

पुरवठा साखळी व मुल्य साखळी तज्ञ
तथा कृषि कार्यालय सल्लागार
जिल्हा प्रकल्प अंमलबजावणी कक्ष, धुळे.

Signature: [Handwritten Signature]

Stamp: Maharashtra Producer Company Ltd. 22/11/2020
अधिकारी
उपसंचालक
कृषि व्यवसाय