

Note for users

Draft Business Plan Financial Calculator

1.0 About the calculator

The business plan financial calculator will be the tool to generate the financial projection of the business plan based on the certain data inputs. It will be the tool which can be easily used by any professional who understand the basic accounting. The business plan financial calculator will generate following statements automatically based on certain data inputs:

1. Profit and Loss Statement
2. Cash Flow Statement
3. Balance Sheet
4. Depreciation, amortisation and tax calculation

It will also auto calculate the following financial ratios to understand the viability of the business plan / Full Project Proposal:

1. Break Even Point
2. Internal Rate of Return
3. Net Present Value
4. Return on Capital Employed
5. Project Payback Period
6. DSCR
7. Sensitivity analysis

The above ratios will help decision makers for approving the business plan / Full Project Report.

2.0 Features

- 1.0 It helps in preparing financial projections for both type of sub-projects i.e. Grain and Fruits & Vegetables.
- 2.0 It can be easily used by any person / professional who understand the basic accounting.
- 3.0 Assist planners to map marketable surplus of key commodities quickly.
- 3.0 This tool will generate P & L, Cash flow statement and balance sheet automatically.
- 4.0 The calculator helps to prepare all categories of business plans envisaged in SMART Project viz. FPs, MAPs, CIs, Warehousing related)
- 5.0 It will also calculate all ratios automatically, that will helps to understand the project feasible or not

3.0 Preparatory work

- 3.0 Please collect basic data of targeted commodities in the cluster accurately (area, productivity and consumption at HH level)
- 3.0 Finalize Business activity in consultation with CBO members and officials / experts.
- 3.0 Accordingly, please add CAPEX details i.e. related to building, machinery and other infrastructure properly.
- 4.0 In CAPEX SHEET, please refer area and rates mentioned in estimates of civil structures prepared by engineer whereas quotation's in case of machinery and other equipment or material.
- 5.0 Please write down assumptions clearly for each business activity (example- produce aggregation and bulk marketing in the form of % in Y-1, Y-2.....)

4.0 Colour codes used

Colour code	Description
	Need to change/Place Values Manually
	Need to change figures subject to

5.0 Guidance note for using calculator

Steps	Sheet name	Process	Sheet No	Remark
A	Sheet in which need to enter data			
Step-1	Grain production details & or F & V production details (Marketable surplus)	Please fill data in yellow colour cells i.e. members no, non-members, average area, etc.	Sheet No. 10 for grain and 11 for F & V	
Step-2	CAPEX Details	Kindly fill yellow cells by using rates mentioned in estimates of civil structures and quotation's of machineries and equipment's	Sheet No. 2	
Step-3	Project cost and Means of finance with financial indicators	Please add bank loan per cent if applicable other wise put zero	Sheet No. 1	Generate automatically
Step-4	Business activity wise revenue, expenditure and profit calculation			
	4.1 Facility-1 / Business activity -Trading		Sheet No. 12	
	4.2 Facility 2 / Business activity - Processing (Grain, pulses, oilseed)	Please fill necessary details in yellow cells for calculating revenue and expenditure of identified business activities only.	Sheet No. 13	
	4.3 Facility-3 Business activity -Warehouse		Sheet No. 14	
	4.4 Facility-4 Business activity -Custom hiring		Sheet No. 15	
	4.5 Facility-5 Business activity -Agri. Input		Sheet No. 16	
	4.6 Facility-6 Business activity -Processing (Horti. Produce)		Sheet No. 17	
Step-5	Other expenditure and taxes	Please add staff salary and other details in Yellow cell (in 3.1 table only)	Sheet no.3 (Ref. 3.1 table only)	
Step-6	TL repayment schedule	Please add interest rate, tenure and Moratorium Period (In Month) in green cells	Sheet No. 4	
Step-7	Closing stock and working capital	Please add necessary details in yellow and green cells	Sheet No. 5	
B	Auto generating sheets (No need to enter any data)			
B1	Profit and Loss Statement		Sheet No. 6	Generate automatically
B2	Cash Flow Statement		Sheet No. 7	Generate automatically
B3	Balance Sheet		Sheet No. 8	Generate automatically
B4	Financial indicators (IRR, IEP, NPV, ROI, Pay back period), DSCR, sensitivity analysis)		Sheet No.9	Generate automatically
B5	Depreciation, amortization and tax calculation		Sheet No. 3 (3.2 & 3.3)	Generate automatically
Step-8	Copy relevant tables in word file of FPP			

1.1 Total Project Cost

Sr. No.	Particular	Amount (Rs.)	Grant (%)	Grant Amount (Rs.)
1	Land and Building	14,730,090	60%	8,838,054
2	Machinery and Equipment	3,773,601	60%	2,264,161
3	Furniture and Fixture	-	60%	-
4	IT & It Infrastructure	-	60%	-
5	Vehicle	-	60%	-
6	Preliminary Expenses	100,000	60%	60,000
7	Working Capital	393,699		
	Total	18,997,390		11,162,215

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 preoprtalve expenditure , design, construction and Working Capital

1.2 Means of Finance

Sr. No.	Particular	Bank Loan (%)	Amount (Rs.)
1	Govt. Grant under SMART Project		11,162,215
2	Bank Finance - Long Term Loan (= Total Project Cost- Smart Grant - Own Contribution)		5,581,107
3	Own Contribution (=Fixed Assets*10%)	10%	1,860,369
4	Own Contribution (Working Capital)		393,699
	Total		18,997,390

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)	41.83%	Project Viable	BEP shall be less than 60%
2	Avg. Return on Capital Employed Average (ROCE)	18.75%	Project Viable	RoCE for the project shall be more than 12%
3	Internal Rate of Return (IRR)	10.75%	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)	561,890	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	5.25	Project Viable	The Pack Back Period (Project/ Equity) shall be less than 7 years
6	Debt Service Coverage Ratio (DSCR)	3.19	Project Viable	DSCR shall be more than 2 for better performing project.

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3.1 Schedule of General Admin Expenses (Fixed)

100% 100.00% 100.22% 100.44% 100.66% 100.88% 101.10%

Category	Units	100%	100.00%	100.22%	100.44%	100.66%	100.88%	101.10%	101.32%
Salaries	NS	1	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Benefits	NS	1	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Travel	NS	3	10,000	10,000	10,000	10,000	10,000	10,000	10,000
T.J. Maxx and Amazon Exp	Months	12	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Office Expense Exp	Months	12	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Printing & Copying	Months	12	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Lease	Months	12	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Miscellaneous	Months	12	5,000	5,000	5,000	5,000	5,000	5,000	5,000
IT and Land Cont. Cont.	Months	11	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Total Admin Expense			1,854,000	1,846,760	2,044,035	2,146,237	2,273,049	2,346,236	2,484,537

If it is relevant to salary it should multiply by 12 months.

3.2 Depreciation

As per Companies Act

As per IT Act

Assets	100%	100.00%	100.22%	100.44%	100.66%	100.88%	101.10%	101.32%	101.54%
Buildings									
Asset Value	14,790,000	14,790,000	14,790,000	14,790,000	14,790,000	14,790,000	14,790,000	14,790,000	14,790,000
Depreciation	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
Accumulated Depreciation	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
Net Fixed Assets	14,710,000	14,710,000	14,710,000	14,710,000	14,710,000	14,710,000	14,710,000	14,710,000	14,710,000
Furniture and Machinery									
Asset Value	3,777,000	3,777,000	3,777,000	3,777,000	3,777,000	3,777,000	3,777,000	3,777,000	3,777,000
Depreciation	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
Accumulated Depreciation	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
Net Fixed Assets	3,577,000	3,577,000	3,577,000	3,577,000	3,577,000	3,577,000	3,577,000	3,577,000	3,577,000
Plant and Infrastructure									
Asset Value	-	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-	-
Accumulated Depreciation	-	-	-	-	-	-	-	-	-
Net Fixed Assets	-	-	-	-	-	-	-	-	-
Vehicle									
Asset Value	-	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-	-
Accumulated Depreciation	-	-	-	-	-	-	-	-	-
Net Fixed Assets	-	-	-	-	-	-	-	-	-
IT Infrastructure									
Asset Value	-	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-	-
Accumulated Depreciation	-	-	-	-	-	-	-	-	-
Net Fixed Assets	-	-	-	-	-	-	-	-	-
Grand Total Asset	18,967,000	18,967,000	18,967,000	18,967,000	18,967,000	18,967,000	18,967,000	18,967,000	18,967,000
Total Depreciation	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000
Accumulated Depreciation	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000
Net Fixed Assets	18,267,000	18,267,000	18,267,000	18,267,000	18,267,000	18,267,000	18,267,000	18,267,000	18,267,000

Asset Category	Depreciation Method (SI/M) is used	Depreciation percent	WDV ⁿ
Buildings	SI/M	10.00%	10.00%
Furniture and Infrastructure	SI/M	10.00%	10.00%
Vehicle	SI/M	15.00%	15.00%
Plant and machinery	SI/M	15.00%	15.00%
IT Infrastructure	SI/M	20%	20%

3.3 Amortization Schedule

Category	5	20,000	20,000	20,000	20,000	20,000
Pre-fabricated Expenses	5	20,000	20,000	20,000	20,000	20,000
Total Value	5	20,000	20,000	20,000	20,000	20,000

3.4 Tax Schedule

Category	100%	100.00%	100.22%	100.44%	100.66%	100.88%	101.10%
ITP	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
ITP Depreciation as per Companies Act	200,000	200,000	200,000	200,000	200,000	200,000	200,000
ITP Depreciation as per IT Act	200,000	200,000	200,000	200,000	200,000	200,000	200,000
ITP Balance	800,000	800,000	800,000	800,000	800,000	800,000	800,000
Provision of Taxes	50,000	50,000	50,000	50,000	50,000	50,000	50,000

Minimum Tax rate

This does not refer for provision of tax calculation.

4.1 Repayment Schedule

Loan Amount (Rs) 5,581,107
 Interest rate /PA 12.5
 Loan Tenure in years 5
 Moratorium Period (In Months) 6
 EMI Rs. 134,262.37

Year	Month	Opening Balance	Interest	Principal Repayment	EMI	Closing Outstanding
Year 1	Month 1	5,581,107	55,811	-	55,811	5,581,107
	Month 2	5,581,107	55,811	-	55,811	5,581,107
	Month 3	5,581,107	55,811	-	55,811	5,581,107
	Month 4	5,581,107	55,811	-	55,811	5,581,107
	Month 5	5,581,107	55,811	-	55,811	5,581,107
	Month 6	5,581,107	55,811	-	55,811	5,581,107
	Month 7	5,581,107	55,811	78,451	134,262	5,502,656
	Month 8	5,502,656	55,027	79,236	134,262	5,423,420
	Month 9	5,423,420	54,234	80,038	134,262	5,343,392
	Month 10	5,343,392	53,434	80,838	134,262	5,262,564
	Month 11	5,262,564	52,626	81,637	134,262	5,180,927
	Month 12	5,180,927	51,809	82,433	134,262	5,098,474
Year 2	Month 13	5,098,474	50,985	83,278	134,262	5,015,196
	Month 14	5,015,196	50,152	84,110	134,262	4,931,086
	Month 15	4,931,086	49,311	84,952	134,262	4,846,134
	Month 16	4,846,134	48,461	85,801	134,262	4,760,333
	Month 17	4,760,333	47,603	86,659	134,262	4,673,674
	Month 18	4,673,674	46,737	87,526	134,262	4,586,149
	Month 19	4,586,149	45,861	88,401	134,262	4,497,748
	Month 20	4,497,748	44,977	89,285	134,262	4,408,463
	Month 21	4,408,463	44,085	90,178	134,262	4,318,285
	Month 22	4,318,285	43,183	91,080	134,262	4,227,205
	Month 23	4,227,205	42,272	91,990	134,262	4,135,215
	Month 24	4,135,215	41,352	92,910	134,262	4,042,305
Year 3	Month 25	4,042,305	40,423	93,839	134,262	3,948,466
	Month 26	3,948,466	39,485	94,778	134,262	3,853,688
	Month 27	3,853,688	38,537	95,725	134,262	3,757,962
	Month 28	3,757,962	37,580	96,683	134,262	3,661,280
	Month 29	3,661,280	36,613	97,650	134,262	3,563,630
	Month 30	3,563,630	35,636	98,626	134,262	3,465,004
	Month 31	3,465,004	34,650	99,612	134,262	3,365,392
	Month 32	3,365,392	33,654	100,608	134,262	3,264,783
	Month 33	3,264,783	32,648	101,615	134,262	3,163,169
	Month 34	3,163,169	31,632	102,631	134,262	3,060,538
	Month 35	3,060,538	30,605	103,657	134,262	2,956,881
	Month 36	2,956,881	29,569	104,694	134,262	2,852,188
Year 4	Month 37	2,852,188	28,522	105,740	134,262	2,746,447
	Month 38	2,746,447	27,464	106,798	134,262	2,639,649
	Month 39	2,639,649	26,396	107,866	134,262	2,531,783
	Month 40	2,531,783	25,318	108,945	134,262	2,422,839
	Month 41	2,422,839	24,228	110,034	134,262	2,312,805
	Month 42	2,312,805	23,128	111,134	134,262	2,201,670
	Month 43	2,201,670	22,017	112,246	134,262	2,089,425
	Month 44	2,089,425	20,894	113,368	134,262	1,976,057
	Month 45	1,976,057	19,761	114,502	134,262	1,861,555
	Month 46	1,861,555	18,616	115,647	134,262	1,745,908
	Month 47	1,745,908	17,459	116,803	134,262	1,629,105
	Month 48	1,629,105	16,291	117,971	134,262	1,511,133
Year 5	Month 49	1,511,133	15,111	119,151	134,262	1,391,982
	Month 50	1,391,982	13,920	120,343	134,262	1,271,640
	Month 51	1,271,640	12,716	121,546	134,262	1,150,094
	Month 52	1,150,094	11,501	122,761	134,262	1,027,332
	Month 53	1,027,332	10,273	123,989	134,262	903,343
	Month 54	903,343	9,033	125,229	134,262	778,114
	Month 55	778,114	7,781	126,481	134,262	651,633
	Month 56	651,633	6,516	127,746	134,262	523,887
	Month 57	523,887	5,239	129,023	134,262	394,864
	Month 58	394,864	3,949	130,314	134,262	264,550
	Month 59	264,550	2,645	131,617	134,262	132,933
	Month 60	132,933	1,329	132,933	134,262	(0)
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					

2901927.05

5581107.32

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.

5.1 Closing and Opening Stock Calculation

Particulars	Y1	Y2	Y3	Y4	Y5
Opening Stock					
Agri Input					
Trading		471,158	544,188	623,342	709,052
Grain Processing					
Horticulture Processing					
Total		471,158	544,188	623,342	709,052
Closing Stock					
Agri Input					
Trading		471,158	544,188	623,342	709,052
Grain Processing					
Horticulture Processing					
Total		471,158	544,188	623,342	709,052

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 (WIP) or finished goods

Assumption:

- 1 Closing stock of each facility is 5%

5.2 Working Capital Calculation

Sr. No.	Particulars	Duration (In days)	Y1	Y2	Y3	Y4	Y5
A	Accounts Receivables (Debtors)						
1	Agri Input	14	-	-	-	-	-
2	Custom Hiring	14	-	-	-	-	-
3	Trading	14	1,975,134	2,301,081	2,635,973	2,998,601	3,399,903
4	Dal Mill	15	-	-	-	-	-
5	Warehouse	14	38,667	43,496	48,715	54,348	60,422
6	Processing Unit - Horti Commodity	14	-	-	-	-	-
	Subtotal		2,013,797	2,344,577	2,684,689	3,052,950	3,451,325
B	Closing Stock		471,158	544,188	623,342	709,052	801,774
	Total		2,484,955	2,888,765	3,308,031	3,762,001	4,253,099
C	Accounts Payable & Accrued Expenses (Creditors)						
1	Agri Input	7	-	-	-	-	-
2	Custom Hiring	7	-	-	-	-	-
3	Trading	7	903,591	1,043,648	1,195,451	1,359,826	1,537,649
4	Dal Mill	7	-	-	-	-	-
5	Warehouse	7	6,567	6,967	7,392	7,841	8,317
6	Processing Unit - Horti Commodity	7	-	-	-	-	-
	Total		910,158	1,050,615	1,202,843	1,367,667	1,545,966
D	Working Capital		1,574,798	1,838,150	2,105,188	2,394,334	2,707,133
	Own Contribution		391,699				

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 requirement of working capital for running business

-	-
801,774	901,996
-	-
-	-
801,774	901,996
-	-
-	-
901,996	1,010,235
-	-
-	-
901,996	1,010,235

Stock can be in various forms such as raw materials, in-process goods

-	-
3,814,937	4,272,898
-	-
66,968	74,017
-	-
3,881,905	4,346,916
901,996	1,010,235
4,783,901	5,357,151
-	-
-	-
1,729,855	1,937,438
8,821	9,355
-	-
1,738,676	1,946,793
3,045,225	3,410,358

finished goods, and its current liabilities, such as accounts payable. This sheet provide

6.1 Consolidated Profit and loss account for the Project

Particulars	11	12	13	14	15	16	17
Revenue							
Activity 1 - Cleaning & Grading	51,494,570	59,992,479	68,723,586	78,177,822	88,405,673	99,460,864	111,400,560
Activity 2 - Cold Press Oil	-	-	-	-	-	-	-
Activity 2 - Warehouse	1,008,000	1,134,000	1,270,080	1,416,933	1,575,296	1,745,953	1,929,738
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
Total Revenue	52,502,570	61,126,479	69,993,666	79,594,755	89,980,969	101,206,817	113,330,298
Variable Cost							
Activity 1 - Cleaning & Grading	46,644,667	54,345,748	62,255,082	70,819,484	80,084,689	90,099,366	100,915,299
Activity 2 - Cold Press Oil	-	-	-	-	-	-	-
Activity 2 - Warehouse	342,400	363,300	385,434	408,873	433,693	459,972	487,795
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
Total Variable Cost	46,987,067	54,709,048	62,640,516	71,228,358	80,518,382	90,559,338	101,403,094
Fixed Cost							
Activity 1 - Cleaning & Grading	336,000	352,800	370,440	388,962	408,410	428,831	450,272
Activity 2 - Cold Press Oil	-	-	-	-	-	-	-
Activity 2 - Warehouse	120,000	126,000	132,300	138,915	145,861	153,154	160,811
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
Admin Expenses	1,854,000	1,946,700	2,044,035	2,146,237	2,253,549	2,366,226	2,484,537
Total Fixed Cost	2,310,000	2,425,500	2,546,775	2,674,114	2,807,819	2,948,210	3,095,621
Total Cost	49,297,067	57,134,548	65,187,291	73,902,471	83,326,202	93,507,549	104,498,715
Profit Before Depreciation, Interest and Tax	3,205,503	3,991,931	4,806,375	5,692,284	6,654,767	7,699,269	8,831,583
Depreciation	705,813	705,813	705,813	705,813	705,813	705,813	705,813
Amortization	20,000	20,000	20,000	20,000	20,000	-	-
Profit Before Interest and Tax	2,479,690	3,266,118	4,080,562	4,966,471	5,928,955	6,993,456	8,125,770
Interest on Term loan	799,559	775,558	673,654	557,414	424,871	365,427	409,243
Profit Before Tax	1,680,131	2,490,561	3,406,909	4,409,057	5,504,084	6,628,029	7,716,527
Less: Tax	90,198	361,278	652,761	960,291	1,286,474	1,615,351	1,930,771
Profit After Tax	1,589,934	2,129,283	2,754,148	3,448,766	4,217,609	5,012,678	5,785,757
Cumulative Profit	1,589,934	3,719,236	6,473,384	9,922,149	14,139,758	19,152,436	24,938,193

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	11	12	13	14	15	16	17
ASSETS							
Current Assets							
Cash and Bank Balance	1,439,433	3,632,059	5,921,902	8,755,427	12,187,715	17,906,206	24,397,775
Accounts Receivables	2,013,797	2,344,577	2,684,689	3,052,950	3,451,325	3,881,905	4,346,916
Other Current Assets	471,158	544,188	623,342	709,052	801,774	901,996	1,010,235
Total Current Assets	3,924,389	6,520,824	9,229,933	12,517,428	16,440,814	22,690,107	29,754,926
Gross Fixed Assets							
Gross Fixed Assets	18,503,691	17,797,878	17,092,065	16,386,253	15,680,440	14,974,627	14,268,814
Less: Depreciation	705,813	705,813	705,813	705,813	705,813	705,813	705,813
Net Fixed Assets	17,797,878	17,092,065	16,386,253	15,680,440	14,974,627	14,268,814	13,563,001
Preliminary & Pre-operative Expenses							
Preliminary & Pre-operative Expenses	80,000	60,000	40,000	20,000	0	0	0
TOTAL ASSETS	21,802,267	23,672,890	25,656,186	28,217,868	31,415,441	36,958,921	43,317,928
LIABILITIES & SHAREHOLDERS EQUITY							
CURRENT LIABILITIES							
Short Term Debt (Working capital loan)	1,181,098	1,838,150	2,105,188	2,394,334	2,707,133	3,045,225	3,410,358
Accounts Payable & Accrued Expenses	910,158	1,050,615	1,202,843	1,367,667	1,545,966	1,738,676	1,946,793
Other Current Liabilities							
Total Current Liabilities	2,091,256	2,888,765	3,308,031	3,762,001	4,253,099	4,783,901	5,357,151
Secured Long Term Debt	5,098,474	4,042,305	2,852,188	1,511,133	0	0	0
Differed Tax Liabilities							
TOTAL LIABILITIES	7,189,730	6,931,070	6,160,218	5,273,135	4,253,099	4,783,901	5,357,151
Share capital							
Share capital	1,860,369	1,860,369	1,860,369	1,860,369	1,860,369	1,860,369	1,860,369
Smart Grant -in-Aid	11,162,215	11,162,215	11,162,215	11,162,215	11,162,215	11,162,215	11,162,215
Reserves and Surplus							
Add: Opening Balance (P/L Account)	0	1,589,954	3,719,256	6,473,384	9,922,149	14,139,758	19,152,436
Profit & Loss) During the Year	1,589,954	2,129,283	2,754,148	3,448,766	4,217,609	5,012,678	5,785,757
Appropriation - Dividend							
Total Reserves	1,589,954	3,719,236	6,473,384	9,922,149	14,139,758	19,152,436	24,938,193
TOTAL EQUITY	14,612,537	16,741,820	19,495,967	22,944,733	27,162,342	32,175,020	37,960,777
TOTAL LIABILITIES & EQUITY	21,802,267	23,672,890	25,656,186	28,217,868	31,415,441	36,958,921	43,317,928
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.

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8.1 Cash Flow Statement for the Project

Particulars	11	12	13	14	15	16	17
1 Operating Profit							
Total Revenue	52,502,570	61,126,479	69,991,666	79,594,755	89,980,969	101,206,817	113,330,298
2 Equity/ Share capital	1,866,369						
Reinvestment							
3 Grant	11,162,215						
4 Long Term Loan	5,581,107						
5 Increase in Short Term Loan	1,181,098	657,052	267,038	289,146	312,798	338,092	365,134
6 Increase in account payable	910,158	140,457	152,228	164,824	178,200	192,710	208,116
Sub Total (A)	73,197,517	61,923,988	70,412,932	80,048,726	90,472,067	101,737,620	113,903,548
Cash Outflow (Rs.)							
1 Capital Expenditure							
a Land and Building	14,730,090						
b Machinery and Equipment	3,773,601						
c Furniture & Fixture	-						
d Infrastructure	-						
e Vehicle	-						
f Preliminary Expenses	100,000						
2 Operational Expenditure							
a Variable Cost	46,987,067	54,709,048	62,640,516	71,238,358	80,518,382	90,559,338	101,403,094
b Fixed Cost	2,310,000	2,425,500	2,546,775	2,674,114	2,807,819	2,948,210	3,095,621
3 Loan Repayment							
LTL - Principal	482,674	1,056,169	1,190,117	1,341,054	1,511,133	-	-
LTL - Interest	657,807	554,980	421,031	270,094	100,045	-	-
STL - Principal	-	-	-	-	-	-	-
STL - Interest	141,732	220,578	252,023	287,320	324,856	365,427	409,243
4 Tax	90,198	361,278	652,761	960,291	1,286,474	1,615,351	1,930,771
5 Increase in account Receivable	2,013,797	330,780	340,111	368,261	398,375	430,580	465,010
6 Increase in Closing Stock	471,158	73,030	79,155	85,710	92,722	100,222	108,240
Sub Total (B)	71,758,684	59,731,362	68,123,089	77,215,201	87,039,778	96,019,129	107,411,978
Net Cash Flow (A-B)	1,439,433	2,192,626	2,289,843	2,833,524	3,432,289	5,718,490	6,491,570
Opening Cash and Bank		1,439,433	3,629,276	5,921,902	8,755,427	12,187,715	17,906,206
Cumulative Cash Balance	1,439,433	3,629,276	5,921,902	8,755,427	12,187,715	17,906,206	24,397,775

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

Profit after tax & dividend	1,389,953.80	2,129,282.80	2,754,147.53	3,448,765.74	4,117,609.22	5,012,677.69	5,785,756.80
Add: Depreciation	705,812.80	705,812.80	705,812.80	705,812.80	705,812.80	705,812.80	705,812.80
Add: Preliminary expense written off	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	0.00
Initial Investment/ Net Cash Accrual	(18,997,390.4875)	2,315,766.30	2,855,095.30	3,479,960.33	4,174,578.54	4,943,422.02	5,718,490.49
IRR	10.75%						
Present Value Equivalent	0.90	0.82	0.74	0.66	0.60	0.54	0.49
Present Value of Future Inflows	2,090,976.66	2,327,713.48	2,561,755.41	2,774,792.17	2,966,879.92	3,098,904.13	3,176,368.72
Operating Net Cash Inflow					18,997,390.49		
Present Capital Outflow					18,997,390.49		
					0.00		

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.

9.2 Break even Point

Gross Receipts							
Activity 1 - Cleaning & Grading	51,494,570	59,992,479	68,723,586	78,177,822	88,405,673	99,460,864	111,400,560
Activity 2 - Cold Press Oil		1,008,090	1,134,000	1,270,050	1,575,296	1,745,953	1,929,738
Facility 4 - Custom Hitting							
Facility 5 - Agri Input Centre							
Facility 6 - Processing Unit - Horti Comm							
Total Receipts	52,502,570	61,126,479	69,993,666	79,594,755	89,980,969	101,206,817	113,330,298
Total Variable Exp	46,987,067	54,709,048	62,640,516	71,228,358	80,518,382	90,559,338	101,403,094
Contribution	5,515,503	6,417,431	7,353,150	8,366,398	9,462,587	10,647,479	11,927,204
Total Fixed exp	3,035,813	3,151,313	3,272,588	3,399,927	3,533,632	3,654,023	3,801,434
BEP	55%	49%	45%	41%	37%	34%	32%
Average BEP	41.83%						

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

Present Value							
---------------	--	--	--	--	--	--	--

Profit after Tax & Dividend	1,389,934	2,129,283	2,754,148	3,448,766	4,217,609	5,012,678	5,785,757
Add: Depreciation	705,813	705,813	705,813	705,813	705,813	705,813	705,813
Add: Preliminary exp Written off	20,000	20,000	20,000	20,000	20,000	0	0
Net Cash Accrual (A)	2,315,786	2,855,095	3,479,960	4,174,579	4,943,422	5,718,490	6,491,570
PV Factor @ 10%	0.91	0.83	0.75	0.68	0.62	0.56	0.51
Disc Cash Flow	2,105,242	2,359,583	2,614,546	2,831,293	3,069,476	3,227,919	3,331,202

Total Discounted Cash Flows 19,559,281
 Present Value of Outflow 18,997,390
 NPV 561,890.10

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

Net Profit	1,589,954	2,129,283	2,754,148	3,448,766	4,217,609	5,012,678	5,785,757
Average net profit				3,562,599.00			
Total Project cost				18,977,990.49			
ROI				18.75%			

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

Initial Investment	18,997,390						
Profit after Tax & Dividend	1,589,954	2,129,283	2,754,148	3,448,766	4,217,609	5,012,678	5,785,757
Add: Depreciation	705,813	705,813	705,813	705,813	705,813	705,813	705,813
Add: Preliminary exp Written off	20,000	20,000	20,000	20,000	20,000	0	0
Net Cash Accrual (A)	2,315,786	2,855,095	3,479,960	4,174,579	4,943,422	5,718,490	6,491,570
Cashflow - Initial Investment	(16,681,604)	(13,826,529)	(10,346,569)	(6,171,990)	(4,943,422)	(1,228,548)	4,489,922

Payback period (in years) - Project 5.25

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)

Net Operating Income	3,205,503	3,991,931	4,806,375	5,692,284	6,654,767	7,699,269	8,831,583
Total	3,205,503	3,991,931	4,806,375	5,692,284	6,654,767	7,699,269	8,831,583
Total Annual EMI	1,140,441	1,611,148	1,611,148	1,611,148	1,611,148	-	-

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Debt Service Coverage Ratio (DSCR)	2.81	2.48	2.98	3.53	4.13
Average DSCR	3.19				

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

Activity 1 - Cleaning & Grading	54,069,298	62,992,103	72,159,755	82,086,713	92,825,957	104,433,907	116,970,589
Activity 2 - Cold Press Oil	-	-	-	-	-	-	-
Activity 2 - Warehouse	1,038,400	1,190,700	1,333,584	1,487,780	1,654,051	1,833,251	2,026,225
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Comm	0	-	-	-	-	-	-
Total Income	55,127,698	64,182,803	73,493,349	83,574,493	94,480,017	106,267,158	118,996,813
Expenditure	-	-	-	-	-	-	-
Fixed Cost (Excl of Depreciation, Amort	2,310,000	2,425,500	2,546,775	2,674,114	2,807,819	2,948,210	3,095,621
Variable Cost	49,336,420	54,702,048	62,640,516	71,228,358	80,318,382	90,559,338	101,403,024
Total Operational Expenses	51,646,420	57,134,548	65,187,291	73,902,471	83,326,202	93,507,549	104,498,715
Net Income	3,481,278	7,048,255	8,306,058	9,672,022	11,153,816	12,759,610	14,498,098

Activity 1 - Cleaning & Grading	51,494,570	59,992,479	68,723,586	78,177,822	88,405,673	99,460,864	111,400,560
Activity 2 - Cold Press Oil	-	-	-	-	-	-	-
Activity 2 - Warehouse	1,008,000	1,134,000	1,270,080	1,416,933	1,575,296	1,745,953	1,929,738
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Comm	0	-	-	-	-	-	-
Total Income	52,502,570	61,126,479	69,993,666	79,594,755	89,980,969	101,206,817	113,330,298
Expenditure	-	-	-	-	-	-	-
Fixed Cost (Excl of Depreciation, Amort	2,310,000	2,425,500	2,546,775	2,674,114	2,807,819	2,948,210	3,095,621
Variable Cost	49,336,420	57,444,501	65,772,542	74,789,775	84,544,301	95,087,505	106,473,249
Total Operational Expenses	51,646,420	59,870,001	68,319,317	77,463,889	87,352,121	98,035,516	109,568,870
Net Income	856,150	1,256,479	1,674,349	2,130,866	2,628,848	3,171,302	3,761,429

Activity 1 - Cleaning & Grading	48,919,841	56,992,855	65,287,407	74,268,931	83,985,389	94,487,821	105,830,532
Activity 2 - Cold Press Oil	-	-	-	-	-	-	-
Activity 2 - Warehouse	957,600	1,077,300	1,206,576	1,346,086	1,496,531	1,658,656	1,833,251
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Comm	0	-	-	-	-	-	-
Total Income	49,877,441	58,070,155	66,493,983	75,615,017	85,481,921	96,146,477	107,663,783
Expenditure	-	-	-	-	-	-	-
Fixed Cost (Excl of Depreciation, Amort	2,310,000	2,425,500	2,546,775	2,674,114	2,807,819	2,948,210	3,095,621
Variable Cost	44,637,713	51,971,396	59,308,490	67,666,940	76,492,463	86,031,371	96,342,919
Total Operational Expenses	46,947,713	54,396,896	62,055,265	70,341,053	79,300,282	88,979,582	99,428,560
Net Income	2,929,728	3,673,259	4,438,718	5,273,964	6,181,638	7,166,895	8,235,223

Quantity Variance
Cost Variance

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Facility c - Processing Unit - Hort Comm	0	1	2	3	4	5	6	7	8	9	10
Total Income	52,502,370	61,126,479	69,993,666	79,594,755	89,980,699	101,206,817	113,330,296				
Exp. on Inure	2,310,000	2,425,500	2,546,775	2,674,114	2,807,819	2,948,210	3,095,621				
Fixed Cost (Excl. of Depreciation, Amort)	44,637,713	51,973,396	57,508,490	67,666,940	76,492,461	86,011,571	96,332,919				
Variable Cost	46,947,713	54,399,096	62,055,265	70,341,053	79,300,282	88,979,382	99,428,560				
Total Operational Expenses	5,554,856	6,727,383	7,938,401	9,253,702	10,680,657	12,227,246	13,901,738				
Net Income											

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

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Grains Crop Production Details

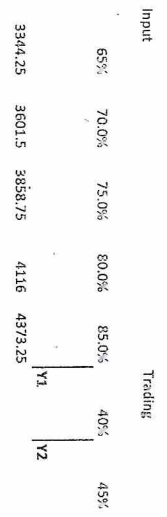
10.1 Details of members and non-members

Total No. of Members Cultivating Grain Crops	515
Total No. of Non-members Cultivating Grain Crops	4200
Total	4715
Average Land Holding per Member (Acres)	5
Total Cultivated Land under grain Crops (Acres)	8575

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

Crops	Cultivation In (%)	Total Land under Cultivation (In Acres)	Yield/Acre (In Quants)	Total Production (In Quants)	Consumption (In Quants)	Marketable Surplus (In Quants)
Kharif	Soybean	60%	5145	10	51450	51450
	Red Gram/Tur	30%	2572.5	7	18007.5	17107.125
	Paddy/Rice	0%	0	4	0	0
	Green Gram/ Moong	0%	0	2	0	0
	Maise	0%	0	20	0	0
	Black Gram/Lentil	0%	0	7	0	0
	Ejja	0%	0	6	0	0
	Barbar	0%	0	0	0	0
	Sunflower	0%	0	0	0	0
	Area Under Kharif Cultivation (In Acres)	80%	5145	10	51450	17107.125
Rabbi	Wheat	0%	0	8	0	0
	Bengal Gram/Channa	50%	2572.5	10	20580	19551
	Jowar	0%	0	20	0	0
	Maize	0%	0	0	0	0
	Safflower	0%	0	0	0	0
	Area Under Rabbi Cultivation (In Acres)	20%	2572.5	20	20580	19551
Summer	Groundnut	5%	0	0	0	0
	Area Under Summer Cultivation (In Acres)	5%	0	0	0	0

Note- Please note the crops/fruits/vegetable grown in the FPC catchment which has marketable Surplus



Particulars	16.5 Crop-wise Area Considered for Agri Input Service Centre						
	Y1	Y2	Y3	Y4	Y5	Y6	Y7
	65%	70.0%	75.0%	80.0%	85.0%	90.0%	95.0%
Soybean	0	0	0	0	0	0	0
Red Gram/Tur	0	0	0	0	0	0	0
Paddy/Rice	0	0	0	0	0	0	0
Green Gram/ Moong	0	0	0	0	0	0	0
Maize	0	0	0	0	0	0	0
Black Gram/Urid	0	0	0	0	0	0	0
Bajra	0	0	0	0	0	0	0
Jawar	0	0	0	0	0	0	0
Sunflower	0	0	0	0	0	0	0
Wheat	0	0	0	0	0	0	0
Bengal Gram/Channa	0	0	0	0	0	0	0
Jawar	1672.125	1800.75	1929.375	2058	2186.625	2315.25	2443.875
Maize	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Groundnut	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0

Assumptions:

- 1 30% of total produce of the cluster will be trade in first year and it will increase everyear year by 5 %
- 2 10% of total produce of the cluster will be Process in first year and it will increase everyear year by 5 %
- 3 65% of total land of members is considered for Agri input service centre business

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Electricity Charges		179,044	101	267,915	303,666	347,836	395,604	447,404	503,330	563,729
Packaging Expenses			35	302,211	349,054	399,825	454,601	514,376	578,559	647,986
Quintals			40	145,184	398,918	456,913	519,772	587,741	661,211	740,556
Outward - Transportation Cost										
Add: Opening Stock					471,158	544,188	633,342	709,092	801,774	901,996
Less: Closing Stock										
Total Variable Cost				46,644,667	54,345,748	62,255,092	70,819,483	80,084,689	90,099,366	100,915,299
Fixed Cost										
Machine Operator	1	13,000		144,000	151,200	158,760	166,698	175,033	183,785	192,974
Support Staff	2	8,000		192,000	201,400	211,660	222,264	233,377	244,046	257,298
Total Fixed Cost				336,000	352,600	370,440	388,962	408,410	428,831	450,272
Total Expenses				46,980,667	54,698,348	62,625,522	71,208,446	80,493,100	90,528,197	101,365,571
Operating Income				4,513,803	5,293,931	6,498,084	6,989,376	7,912,573	8,932,667	10,034,989

1. Inflation is assumed to be 5% annually. This sheet provide details capacity utilization of machines and also sale, expenses and operating profit of trading activity

13.2 Facility 2 - Profit and loss of Grain Processing Unit - Dal Mill

	100%	105.00%	110.25%	115.76%	121.55%	127.63%	134.01%
Revenue							
Oil							
Ground Nut Seed	6750						
Sunflower Seed	6000						
Oil Cake	10500						
Ground Nut Seed	1000						
Sunflower Seed	1100						
Revenue							
Expenses							
Variable Cost							
Ground Nut Seed	9,200						
Sunflower Seed	6,500						
Daily Labour	0						
Electricity Charges							
Loading/Unloading Charges	20						
Machine Maintenance	35						
Packaging Exp- Oil Packaging	40						
Oil Cake Packaging	50						
Inward-Transportation Charges	40						
Outward-Transportation Charges							
Add: Opening Stock							
Less: Closing Stock							
Total Variable Cost							
Fixed Cost							
Machins Operator							
Support Staff							
Fixed Cost							
Total expenses							
Operating Profit							

This sheet provide details capacity utilisation of machines and also sale, expenses and operating profit of Dal Mill activity

Facility 3 - Warehouse
 14.1 Capacity Utilization
 1,000.00 MT

No. of Month 12

Particular	70%	75%	80%	85%	90%	95%	100%
Capacity Utilization	31	32	33	34	35	36	37
Total Quantity Stored per Annum	8,400.00	9,000.00	9,600.00	10,200.00	10,800.00	11,400.00	12,000.00

14.2 Facility 3 - Profit and loss of Warehouse

Particular	Unit	100%	105.00%	110.25%	115.76%	121.55%	127.63%	134.01%
Vegetable Storage Charges per MT per Month	120	1,008,000	1,134,000	1,270,080	1,416,933	1,575,296	1,745,953	1,929,738
Total Revenue		1,008,000	1,134,000	1,270,080	1,416,933	1,575,296	1,745,953	1,929,738
Expenses								
Variable Cost								
Dunnage	MT	14	28,000	29,400	30,870	32,414	34,034	35,736
Fumigation	MT	12	144,000	151,200	158,760	166,698	175,033	183,785
Electricity	12	10,000	120,000	126,000	132,300	138,915	145,861	153,154
Insurance	0.15%	50,400	56,700	63,504	70,847	78,765	87,298	96,487
Total Variable Cost		342,400	363,300	385,434	408,873	433,693	459,972	487,795
Fixed Cost								
Warehouse Manager	1	10,000	120,000	126,000	132,300	138,915	145,861	160,811
Total Fixed Cost		120,000	126,000	132,300	138,915	145,861	153,154	160,811
Total Expenses		462,400	489,300	517,734	547,788	579,553	613,126	648,606
Operating profit		545,600	644,700	752,346	869,145	995,743	1,132,828	1,281,131

This sheet provide details capacity utilization of machines and also sale, expenses and operating profit of Dal Mill activity

Facility 5 - Agri Input

Area under crop (In Acres)	11	12	13	14	15	16	17
Kharif Crops							
Soybean							
Red Gram/Tur							
Paddy/Rice							
Green Gram/ Moong							
Maize							
Black Gram/Udid							
Bajra							
Jwar							
Rabi Crop							
Wheat							
Bengal Gram/Channa	1,672	1,801	1,929	2,058	2,187	2,315	2,444
Jawar							
Maize							
Safflower							
	0						
	0						
	0						
Summer							
Groundnut							
	0						
	0						
	0						
Fruit & Vegetables Crop Production Details							
Onion							
Tomato							
Okra							
Chilli							
Potato							
	0						
	0						
	0						
	0						
Onion							
Tomato							
Okra							
Chilli							
Brinjal							
	0						
	0						
	0						
	0						
	0						
	0						
Pomegranate							

