

1. Project Cost and MOF

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1.1 Total Project Cost

Sr. No.	Particular	Amount (Rs.)	Grant (%)	Grant Amount (Rs.)
1	Land and Building	2,11,09,005	60%	1,26,65,403
2	Machinery and Equipment	65,12,580	60%	39,07,548
3	Furniture and Fixture	1,48,500	60%	89,100
4	IT & It Infrastructure	5,99,400	60%	3,59,640
5	Transport vehical (Refer van and other)	9,71,061	60%	5,82,637
6	Preliminary Expenses	5,00,000	60%	3,00,000
7	Working Capital	14,69,096		
	Total	3,13,09,642		1,79,04,328

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		1,79,04,328
2	Bank Finance - Long Term Loan	0%	-
3	Own Contribution		1,34,05,314
	Total		3,13,09,642

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)	40.00%	Project Viable	BEP shall be less than 60% <60%
2	Avg. Return on Capital Employed Average (ROCE)	21.32%	Project Viable	RoCE for the project shall be more than 20% >20%
3	Internal Rate of Return (IRR)	10.05%	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)	58,410	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	5.13	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

2.Capex Details

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

2.3

Furniture and Fixture

Sr. No.	Particular	No. Required	Rate	Amount (Rs.)
1	Office Furniture Exp	1	1,48,500	1,48,500
				-
				-
				-
				-
				-
	Total			1,48,500

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	Electricity Demand Note and Electrical Exp	1	4,00,000	4,00,000
2	Computer & Printer	3	1,45,500	1,45,500
3	CCTV Camara (Set of 8 Camara)	1	53,900	53,900
				-
				-
				-
	Total			5,99,400

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

2.5

Transport vehical (Refer van and other)

Sr. No.	Particular	No. Required	Rate	Amount (Rs.)
1	Mahindra Pick-up	1	9,71,061	9,71,061
				-
				-
	Total			9,71,061

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	Preliminary Exp	5,00,000
2		
3		
	Total	5,00,000

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

5.1 Closing and Opening Stock Calculation

Particulars	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Opening Stock											
Agri Input	25,61,400	28,58,170	32,62,211	36,55,415	40,79,782	45,37,447					
Grain Processing	14,67,664	16,70,236	18,74,881	20,79,513	22,84,968	24,91,205					
Horticulture Processing											
Total	40,29,064	45,69,106	51,37,191	57,34,928	63,64,750	70,28,653					
Closing Stock											
Agri Input											
Grain Processing	25,61,400	28,58,170	32,62,211	36,55,415	40,79,782	45,37,447					
Horticulture Processing	14,67,664	16,70,236	18,74,881	20,79,513	22,84,968	24,91,205					
Total	40,29,064	45,69,106	51,37,191	57,34,928	63,64,750	70,28,653					

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 material, in-process goods (WIP) or finished goods.

Assumption:
1. Closing stock of each facility is 5%

5.2 Working Capital Calculation

Sr No	Particulars	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
A	Accounts Receivables (Debtors)											
1	Agri Input											
2	Custom Hiring	2,15,005	2,25,756	2,37,064	2,48,856	2,61,341						
3	Cleaning & Grading	19,49,118	21,14,177	22,66,665	24,22,458	25,82,447						
4	Processing Unit - Feed Grain	12,34,976	14,76,399	16,65,110	18,47,821	20,31,531						
5	Warehouse											
6	Processing Unit - Ferti Commodity											
B	Subtotal	33,99,099	40,16,332	45,05,728	50,19,216	55,53,115						
	Closing Stock	4,69,106	5,13,184	5,73,955	6,16,750	6,64,750						
	Total	74,28,163	85,85,438	96,42,852	1,07,54,164	1,19,23,065						
C	Accounts Payable & Accrued Expenses (Creditors)											
1	Agri Input											
2	Custom Hiring	47,045	49,397	51,867	54,460	57,183						
3	Cleaning & Grading	9,52,872	11,27,288	12,69,187	14,22,458	15,87,883						
4	Processing Unit - Feed Grain	5,39,851	6,43,078	7,22,351	8,02,075	8,81,148						
5	Warehouse	12,013	12,614	13,264	13,967	14,662						
	Processing Unit - Ferti Commodity											
	Total	15,51,781	17,32,377	18,56,650	20,56,050	22,92,868						
D	Working Capital (Own Contribution)	58,76,382	67,53,060	75,86,163	84,61,267	93,81,253						
	Total	1,32,84,545	1,53,38,500	1,72,99,011	1,92,11,424	2,11,44,923						

Working Capital, also known as net working capital (NWC), is the difference between a company's current assets, such as accounts receivable (customer's unpaid bills), and inventories of raw materials and finished goods, and its current liabilities, such as accounts payable. This shows the requirement of working capital for running business.

6.1 Consolidated Profit and loss account for the Project

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Revenue							
Facility 1 - Cleaning & Grading	5,08,16,291	6,03,33,898	6,79,57,909	7,61,93,486	8,50,82,726	9,46,70,406	10,50,04,148
Facility 2 - Processing Unit- Dal Mill	3,21,97,577	3,84,91,840	4,33,33,581	4,81,75,322	5,30,17,063	5,78,58,803	6,27,00,544
Facility 3 - Warehouse	11,23,200	12,53,070	13,93,119	15,44,040	17,06,571	17,91,899	18,81,494
Facility 4 - Custom Hiring	56,05,500	58,85,775	61,80,064	64,89,067	68,13,520	71,54,196	75,11,996
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
Total Revenue	8,97,42,568	10,59,64,583	11,88,64,672	13,24,01,915	14,66,19,880	16,14,75,305	17,70,98,093
Variable Cost							
Facility 1 - Cleaning & Grading	4,96,85,476	5,87,80,026	6,61,79,047	7,41,71,019	8,27,96,742	9,20,99,609	10,21,25,771
Facility 2 - Processing Unit- Dal Mill	2,81,49,354	3,35,31,930	3,76,67,523	4,18,22,357	4,59,97,705	5,01,94,917	5,44,15,430
Facility 3 - Warehouse	6,26,400	6,57,720	6,90,606	7,25,136	7,61,393	7,99,463	8,39,436
Facility 4 - Custom Hiring	24,53,055	25,75,708	27,04,493	28,39,718	29,81,704	31,30,789	32,87,328
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
Total Variable Cost	8,09,14,285	9,55,45,383	10,72,41,669	11,95,58,231	13,25,37,543	14,62,24,778	16,06,67,266
Fixed Cost							
Facility 1 - Cleaning & Grading	1,92,000	2,01,600	2,11,680	2,22,264	2,33,377	2,45,046	2,57,298
Facility 2 - Processing Unit- Dal Mill	6,54,000	6,86,700	7,21,035	7,57,087	7,94,941	8,34,688	8,76,423
Facility 3 - Warehouse	4,20,000	4,41,000	4,63,050	4,86,203	5,10,513	5,36,038	5,62,840
Facility 4 - Custom Hiring	3,24,000	3,40,200	3,57,210	3,75,071	3,93,824	4,13,515	4,34,191
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Commodity	-	-	-	-	-	-	-
Admin Expenses	15,30,020	16,06,521	16,86,847	17,71,189	18,59,749	19,52,736	20,50,373
Total Fixed Cost	31,20,020	32,76,021	34,39,822	36,11,813	37,92,404	39,82,024	41,81,125
Total Cost	8,40,34,305	9,88,21,404	11,06,81,491	12,31,70,044	13,63,29,947	15,02,06,802	16,48,49,091
Profit Before Depreciation ,Interest and Tax	57,08,263	71,43,179	81,83,181	92,31,871	1,02,89,932	1,12,68,504	1,22,49,002
Depreciation	12,71,554	12,71,554	12,71,554	12,71,554	12,71,554	12,71,554	12,71,554
Amortization	1,00,000	1,00,000	1,00,000	1,00,000	1,00,000	-	-
Profit Before Interest and Tax	43,36,709	57,71,625	68,11,627	78,60,317	89,18,379	99,96,950	1,09,77,448
Interest on Term loan	5,28,874	8,10,367	9,10,340	10,15,352	11,25,750	12,41,902	13,64,198
Profit Before Tax	38,07,834	49,61,258	59,01,288	68,44,965	77,92,628	87,55,048	96,13,250
Less: Tax	4,13,746	8,37,620	11,83,944	15,14,675	18,33,631	21,46,207	24,23,340
Profit After Tax	33,94,088	41,23,638	47,17,344	53,30,289	59,58,997	66,08,840	71,89,910
Cumulative Profit	33,94,088	75,17,726	1,22,35,070	1,75,65,359	2,35,24,356	3,01,33,196	3,73,23,106

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 make from these sales.

7.1 Balancesheet for the Project

	2011	2012	2013	2014	2015	2016	2017
ASSETS							
Current Assets							
Cash and Bank Balance	62,34,738	1,17,29,929	1,78,18,827	2,45,20,670	3,18,51,221	3,97,31,615	4,81,93,078
Accounts Receivables							
Other Current Assets							
Total Current Assets	62,34,738	1,17,29,929	1,78,18,827	2,45,20,670	3,18,51,221	3,97,31,615	4,81,93,078
Gross Fixed Assets							
Gross Fixed Assets	2,93,40,546	2,80,68,992	2,67,97,438	2,55,25,885	2,42,54,331	2,29,82,777	2,17,11,223
Less: Depreciation	12,71,554	12,71,554	12,71,554	12,71,554	12,71,554	12,71,554	12,71,554
Net Fixed Assets	2,80,68,992	2,67,97,438	2,55,25,885	2,42,54,331	2,29,82,777	2,17,11,223	2,04,39,669
Preliminary & Pre- operative Expenses							
Preliminary & Pre- operative Expenses	4,00,000	3,00,000	2,00,000	1,00,000	0	0	0
TOTAL ASSETS	3,47,03,730	3,88,27,367	4,35,44,711	4,88,75,001	5,48,33,998	6,14,42,838	6,86,32,748
LIABILITIES & SHAREHOLDERS EQUITY							
CURRENT LIABILITIES							
Short Term Debt (Working capital loan)							
Accounts Payable & Accrued Expenses							
Other Current Liabilities							
Total Current 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							
Share capital	1,34,05,314	1,34,05,314	1,34,05,314	1,34,05,314	1,34,05,314	1,34,05,314	1,34,05,314
Smart Grant -in-Aid	1,79,04,328	1,79,04,328	1,79,04,328	1,79,04,328	1,79,04,328	1,79,04,328	1,79,04,328
Reserves and Surplus							
Add: Opening balance (P.L. Account)	0	33,94,088	75,17,726	1,22,35,070	1,75,65,359	2,35,24,356	3,01,33,196
Profit & Loss) During the Year	33,94,088	41,23,638	47,17,344	53,30,289	59,58,997	66,08,840	71,89,910
Appropriation - Dividend							
Total Reserves	33,94,088	75,17,726	1,22,35,070	1,75,65,359	2,35,24,356	3,01,33,196	3,73,23,106
TOTAL EQUITY	3,47,03,730	3,88,27,367	4,35,44,711	4,88,75,001	5,48,33,998	6,14,42,838	6,86,32,748
TOTAL LIABILITIES & EQUITY	3,47,03,730	3,88,27,367	4,35,44,711	4,88,75,001	5,48,33,998	6,14,42,838	6,86,32,748
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

1 Operating Profit									
Total Revenue	8,97,42,568	10,59,64,583	11,88,64,672	13,24,01,915	14,66,19,880	16,14,75,305	17,70,98,093		
2 Equity/ Share capital	1,34,05,314								
Reinvestment									
3 Smart Grant -in-Aid	1,79,04,328								
4 Long Term Loan	-								
5 Short Term Loan	44,07,287	67,53,060	75,86,163	84,61,267	93,81,253	1,03,49,185	1,13,68,320		
Sub Total (A)	12,54,59,496	11,27,17,643	12,64,50,835	14,08,63,182	15,60,01,133	17,18,24,490	18,84,66,412		
Cash Outflow (Rs.)									
1 Capital Expenditure									
a Land and Building	2,11,09,005								
b Machinery and Equipment	65,12,580								
c Furniture & Fixture	1,48,500								
d If Infrastructure	5,99,400								
e Vehicle	9,71,061								
f Preliminary Expenses	5,00,000								
2 Operational Expenditure									
a Variable Cost	8,09,14,285	9,55,45,383	10,72,41,669	11,95,58,231	13,25,37,543	14,62,24,778	16,06,67,966		
b Fixed Cost	31,20,020	32,76,021	34,39,822	36,11,813	37,92,404	39,82,024	41,81,125		
3 Loan Repayment									
LTL - Principal	-	-	-	-	-	-	-		
LTL - Interest	-	-	-	-	-	-	-		
STL - Principal	44,07,287	67,53,060	75,86,163	84,61,267	93,81,253	1,03,49,185	1,13,68,320		
STL - Interest	5,28,874	8,10,367	9,10,340	10,15,352	11,25,750	12,41,902	13,64,198		
4 Tax	4,13,746	8,37,620	11,83,944	15,14,675	18,33,631	21,46,207	24,23,340		
Sub Total (B)	11,92,24,758	10,72,22,452	12,03,61,937	13,41,61,338	14,86,70,582	16,39,44,096	18,00,04,949		
Net Cash Flow (A-B)	62,34,738	54,95,191	60,88,398	67,01,843	73,30,551	78,80,394	84,61,463		
Opening Cash and Bank		62,34,738	1,17,29,929	1,78,18,827	2,45,20,670	3,18,51,221	3,97,31,615		
Cumulative Cash Balance	62,34,738	1,17,29,929	1,78,18,827	2,45,20,670	3,18,51,221	3,97,31,615	4,81,93,078		

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

Year	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Initial Investment	(1,000,000)										
Operating Cash Flow		150,000	200,000	250,000	300,000	350,000	400,000	450,000	500,000	550,000	600,000
Present Value of Cash Flow		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
Total Present Value		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
NPV		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
IRR		13.7%	14.5%	15.3%	16.1%	16.9%	17.7%	18.5%	19.3%	20.1%	20.9%

9.2 Break even Point

Year	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Initial Investment	(1,000,000)										
Operating Cash Flow		150,000	200,000	250,000	300,000	350,000	400,000	450,000	500,000	550,000	600,000
Present Value of Cash Flow		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
Total Present Value		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
NPV		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
IRR		13.7%	14.5%	15.3%	16.1%	16.9%	17.7%	18.5%	19.3%	20.1%	20.9%

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 profit or no net losses for the company. The main purpose of break-even analysis is to determine the minimum output that must be recorded for a business to go to.

9.3 Net Present Value

Year	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Initial Investment	(1,000,000)										
Operating Cash Flow		150,000	200,000	250,000	300,000	350,000	400,000	450,000	500,000	550,000	600,000
Present Value of Cash Flow		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
Total Present Value		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
NPV		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
IRR		13.7%	14.5%	15.3%	16.1%	16.9%	17.7%	18.5%	19.3%	20.1%	20.9%

Net present value is the present value of the cash flows at the required rate of return of the project compared to your initial investment. If the NPV of a project is negative or its position, it means that the discounted present value of all future cash flows related to the project or investment will be negative.

9.4 Return On Investments

Year	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Initial Investment	(1,000,000)										
Operating Cash Flow		150,000	200,000	250,000	300,000	350,000	400,000	450,000	500,000	550,000	600,000
Present Value of Cash Flow		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
Total Present Value		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
NPV		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
IRR		13.7%	14.5%	15.3%	16.1%	16.9%	17.7%	18.5%	19.3%	20.1%	20.9%

9.5 Payback Period (In years) - Project

Year	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Initial Investment	(1,000,000)										
Operating Cash Flow		150,000	200,000	250,000	300,000	350,000	400,000	450,000	500,000	550,000	600,000
Present Value of Cash Flow		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
Total Present Value		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
NPV		136,364	169,905	200,000	229,177	258,141	286,812	315,187	343,271	371,068	398,576
IRR		13.7%	14.5%	15.3%	16.1%	16.9%	17.7%	18.5%	19.3%	20.1%	20.9%

The table below provides information on the amount of debt that is due to the lender to cover the cost of the investment.

9.6 Debt Service Coverage Ratio (DSCR)

	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10
Net Operating Income	\$1,208,243	714,417.9	818,911.91	921,187.1	1,028,809.2	1,128,504	1,221,074.02	1,312,688.594	1,402,354.71	1,491,072.82
Net Depreciation	1,211,534	1,211,534	1,211,534	1,211,534	1,211,534	1,211,534	1,211,534	1,211,534	1,211,534	1,211,534
Net Available Cash	200,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000
Debt Service	76,758,816	85,147,733	95,548,735	1,06,003,435	1,16,611,406	1,27,340,049	1,38,162,726	1,49,072,403	1,59,969,080	1,70,942,757
Total Annual DSCR										
Debt Service Coverage Ratio (DSCR)	EDN10E	EDN10E	EDN10E	EDN10E	EDN10E	EDN10E	EDN10E	EDN10E	EDN10E	EDN10E

Average DSCR

The debt service coverage ratio (DSCR) is a measurement of a firm's available cash flow to pay down debt obligations. The DSCR shows investors whether a company has enough income to pay its debts.

9.7 Sensitivity Analysis

Variable	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10
Factory 1 - Cleaning & Grinding	533,551,106	631,503,463	1,133,518,914	8,000,011,660	8,091,368,025	9,940,932,927	11,025,343,355	12,109,747,783	13,194,162,211	14,278,576,639
Factory 2 - Processing Unit - DRI Mill	3,833,074,466	4,041,616,432	4,455,300,760	5,058,840,888	5,566,791,616	6,074,732,344	6,582,673,072	7,090,613,800	7,598,554,528	8,106,495,256
Factory 3 - Warehouse	1,781,460	13,151,724	14,621,735	16,211,242	17,921,899	18,814,984	19,708,069	20,601,154	21,494,239	22,387,324
Factory 4 - Custom Hering	58,851,775	61,800,064	64,890,072	68,113,570	71,541,196	75,111,906	78,822,616	82,573,326	86,364,036	90,194,746
Factory 5 - A to B Unit Crane										
Factory 6 - Processing Unit - Hout Crane										
Total Income	94,236,656	111,262,812	124,807,906	139,222,011	153,508,871	169,549,071	185,589,271	201,629,471	217,669,671	233,709,871
Expenses	3,306,020	31,762,071	34,499,423	36,118,113	37,927,404	39,827,024	41,811,125	43,880,226	45,934,327	48,073,428
Fixed Cost (incl. of Depreciation, Amort)	84,446,699	84,446,699	84,446,699	84,446,699	84,446,699	84,446,699	84,446,699	84,446,699	84,446,699	84,446,699
Variable Cost	8,818,019	9,882,104	11,064,101	12,317,044	13,652,997	15,074,372	16,581,649	18,174,926	19,854,203	21,621,480
Total Operating Expenses	6,148,678	12,414,008	14,126,415	15,811,966	17,520,996	19,252,299	21,016,274	22,809,725	24,631,709	26,482,908
Net Income	16,087,978	21,651,904	23,681,491	25,410,047	27,087,875	28,816,772	30,592,996	32,414,746	34,282,962	36,196,963
Expenses	8,914,568	10,596,489	11,886,472	13,310,913	14,661,810	16,147,305	17,709,693	19,350,080	21,079,467	22,896,854
Total Income	31,210,600	32,762,001	34,592,967	36,118,113	37,520,311	39,827,024	41,811,125	43,880,226	45,934,327	48,073,428
Fixed Cost (incl. of Depreciation, Amort)	8,493,949	8,493,949	8,493,949	8,493,949	8,493,949	8,493,949	8,493,949	8,493,949	8,493,949	8,493,949
Variable Cost	8,818,019	9,882,104	11,064,101	12,317,044	13,652,997	15,074,372	16,581,649	18,174,926	19,854,203	21,621,480
Total Operating Expenses	16,652,483	21,651,904	23,681,491	25,410,047	27,087,875	28,816,772	30,592,996	32,414,746	34,282,962	36,196,963
Net Income	14,558,117	21,110,097	23,911,476	26,708,066	29,432,436	32,090,029	34,694,126	37,245,480	39,741,360	42,176,465

Variable	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10
Factory 1 - Cleaning & Grinding	533,551,106	631,503,463	1,133,518,914	8,000,011,660	8,091,368,025	9,940,932,927	11,025,343,355	12,109,747,783	13,194,162,211	14,278,576,639
Factory 2 - Processing Unit - DRI Mill	3,833,074,466	4,041,616,432	4,455,300,760	5,058,840,888	5,566,791,616	6,074,732,344	6,582,673,072	7,090,613,800	7,598,554,528	8,106,495,256
Factory 3 - Warehouse	1,781,460	13,151,724	14,621,735	16,211,242	17,921,899	18,814,984	19,708,069	20,601,154	21,494,239	22,387,324
Factory 4 - Custom Hering	58,851,775	61,800,064	64,890,072	68,113,570	71,541,196	75,111,906	78,822,616	82,573,326	86,364,036	90,194,746
Factory 5 - A to B Unit Crane										
Factory 6 - Processing Unit - Hout Crane										
Total Income	94,236,656	111,262,812	124,807,906	139,222,011	153,508,871	169,549,071	185,589,271	201,629,471	217,669,671	233,709,871
Expenses	3,306,020	31,762,071	34,499,423	36,118,113	37,927,404	39,827,024	41,811,125	43,880,226	45,934,327	48,073,428
Fixed Cost (incl. of Depreciation, Amort)	84,446,699	84,446,699	84,446,699	84,446,699	84,446,699	84,446,699	84,446,699	84,446,699	84,446,699	84,446,699
Variable Cost	8,818,019	9,882,104	11,064,101	12,317,044	13,652,997	15,074,372	16,581,649	18,174,926	19,854,203	21,621,480
Total Operating Expenses	6,148,678	12,414,008	14,126,415	15,811,966	17,520,996	19,252,299	21,016,274	22,809,725	24,631,709	26,482,908
Net Income	16,087,978	21,651,904	23,681,491	25,410,047	27,087,875	28,816,772	30,592,996	32,414,746	34,282,962	36,196,963
Expenses	8,914,568	10,596,489	11,886,472	13,310,913	14,661,810	16,147,305	17,709,693	19,350,080	21,079,467	22,896,854
Total Income	31,210,600	32,762,001	34,592,967	36,118,113	37,520,311	39,827,024	41,811,125	43,880,226	45,934,327	48,073,428
Fixed Cost (incl. of Depreciation, Amort)	8,493,949	8,493,949	8,493,949	8,493,949	8,493,949	8,493,949	8,493,949	8,493,949	8,493,949	8,493,949
Variable Cost	8,818,019	9,882,104	11,064,101	12,317,044	13,652,997	15,074,372	16,581,649	18,174,926	19,854,203	21,621,480
Total Operating Expenses	16,652,483	21,651,904	23,681,491	25,410,047	27,087,875	28,816,772	30,592,996	32,414,746	34,282,962	36,196,963
Net Income	14,558,117	21,110,097	23,911,476	26,708,066	29,432,436	32,090,029	34,694,126	37,245,480	39,741,360	42,176,465

Sensitivity analysis is a financial model that determines how sensitive variables are to changes in quantity or cost. Variables known as input variables affect the

Grains Crops and Production Details

10.1 Details of members and non-members

Particulars	No.
Total No. of Members Cultivating Grain Crops	273
Total No. of Non-members Cultivating Grain Crops	500
Total	773
Average Land Holding per Member (Acres)	3
Total Cultivated Land under grain Crop (Acres)	2319

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 (%)	Marketable Surplus (In Quintals)
Kharif	Soybean	0%	0	0	0	10%	0
	Red Gram/Tur	0%	0	0	0	5%	0
	Paddy/Rice	0%	0	0	0	0%	0
	Green Gram/ Moong	0%	0	0	0	2%	0
	Maize	75%	1739	20	34780	0	34780
	Black Gram/Udid	0%	0	0	0	0	0
	Bajra	0%	0	0	0	0	0
	Jawar	0%	0	0	0	0	0
	Sunflower	0%	0	0	0	0	0
	Area Under Rabbi Cultivation (In Acres)	75%	1739.25				
Rabbi	Wheat	0%	0	0	0	0	0
	Bengal Gram/Channa	0%	0	0	0	0	0
	Jawar	0%	0	0	0	0	0
	Maize	65%	1131	22	24871	0	24871
	Safflower	0%	0	0	0	0	0
	Area Under Summer Cultivation (In Acres)	55%	1275.45				
Summer	Maize	35%	446	18	8035	0	8035
		0%	0	0	0	0%	0
		0%	0	0	0	0%	0
		0%	0	0	0	0%	0

67686

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	Y1	Y2	Y3	Y4	Y5	Y6	Y7
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	22259.2	23998.2	25737.2	27476.2	29215.2	30954.2	32693.2
Black Gram/Udid	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	0	0	0	0	0	0	0
Maize	15918	17161	18405	19648	20892	22135	23379
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
Maize	5143	5544	5946	6348	6750	7151	7553
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0

10.4 Quantity of Marketable Surplus Produce Considered for Processing Business

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
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	12173	13912	15651	17390	19129	20868	22607
Black Gram/Udid	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	0	0	0	0	0	0	0
Maize	2705	2949	11192	12436	13679	14923	16166
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
Maize	2812	3214	3616	4018	4419	4821	5223
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0

10.5 Crop-wise Area Considered for Agri Input Service Centre

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
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/Udid	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	0	0	0	0	0	0	0

Facility 3 - Trading Unit
12.1 Producers/ Capacity Utilization

Capacity
No. of Hours

20 Quinatal/Hour
8

Tentative Wastage Percentage

Commodity	Percentage
Grains	2%
Fruit and Veg.	0%

No. of Working Days

300

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
No. of Operation Days	300.00	300.00	300.00	300.00	300.00	300.00	300.00
Soybean	-	-	-	-	-	-	-
Red Gram/Tur	-	-	-	-	-	-	-
Paddy/Rice	-	-	-	-	-	-	-
Green Gram/ Moong	-	-	-	-	-	-	-
Maize	22,259	23,998	25,737	27,476	29,215	30,954	32,693
Black Gram/Udid	-	-	-	-	-	-	-
Bajra	-	-	-	-	-	-	-
Jawar	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-
Bengal Gram/Channa	-	-	-	-	-	-	-
Jawar	-	-	-	-	-	-	-
Maize	15,918	17,161	18,405	19,648	20,892	22,135	23,379
Safflower	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
Maize	5,143	5,544	5,946	6,348	6,750	7,151	7,553
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
Total Grains Quantity to be Processed	43,319	46,704	50,088	53,472	56,857	60,241	63,625
Fruit & Vegetables Crop Production Details							
Onion	-	-	-	-	-	-	-
Tomato	-	-	-	-	-	-	-
Okra	-	-	-	-	-	-	-
Chilli	-	-	-	-	-	-	-
Potato	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-
Tomato	-	-	-	-	-	-	-
Okra	-	-	-	-	-	-	-
Chilli	-	-	-	-	-	-	-
Brinjal	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
Pomegranate	-	-	-	-	-	-	-
Custard Apple	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-
Citrus	-	-	-	-	-	-	-
Total F & V Quantity to be Processed	-	-	-	-	-	-	-
Job Work for Grains	0%	0%	0%	0%	0%	0%	0%
Quantity for trading of Grains	100%	100%	100%	100%	100%	100%	100%
Job Work (50%)							
Quantity for sale (50%)							
Soybean	-	-	-	-	-	-	-
Red Gram/Tur	-	-	-	-	-	-	-
Paddy/Rice	-	-	-	-	-	-	-
Green Gram/ Moong	-	-	-	-	-	-	-
Maize	22,259	23,998	25,737	27,476	29,215	30,954	32,693
Black Gram/Udid	-	-	-	-	-	-	-
Bajra	-	-	-	-	-	-	-
Jawar	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-
Bengal Gram/Channa	-	-	-	-	-	-	-
Jawar	-	-	-	-	-	-	-
Maize	15,918	17,161	18,405	19,648	20,892	22,135	23,379
Safflower	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-
Maize	5,143	5,544	5,946	6,348	6,750	7,151	7,553
0	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-

	0	Quintals		-	-	-	-	-	-	-
	0	Quintals		-	-	-	-	-	-	-
	0	Quintals		-	-	-	-	-	-	-
	0	Quintals		-	-	-	-	-	-	-
Pomegranate		Quintals	-	-	-	-	-	-	-	-
Custard Apple		Quintals	-	-	-	-	-	-	-	-
Guava		Quintals	-	-	-	-	-	-	-	-
Citrus		Quintals	-	-	-	-	-	-	-	-
	0	Quintals		-	-	-	-	-	-	-
	0			-	-	-	-	-	-	-
Daily Labour	5	230	3,45,000	5,62,250	3,80,363	3,99,381	4,19,350	4,40,317	4,62,333	
Electricity Charges	0	0	-	-	-	-	-	-	-	
Gunny Bags/100 Kg		20	8,49,061	9,61,163	10,82,354	12,13,260	13,54,551	15,06,938	16,71,177	
Transportation Cost/100 Kg		24	10,18,873	11,53,396	12,98,824	14,55,912	16,25,461	18,08,325	20,05,413	
Add: Opening Stock				25,61,400	28,98,170	32,62,213	36,55,415	40,79,782	45,37,447	
Less: Closing Stock				25,61,400	28,98,170	32,62,213	36,55,415	40,79,782	45,37,447	
Total Variable Cost				#####	#####	#####	#####	#####	#####	#####
Fixed Cost										
Marketing executive	2	8,000	1,92,000	2,01,600	2,11,680	2,22,264	2,33,377	2,45,046	2,57,298	
Total Fixed Cost				1,92,000	2,01,600	2,11,680	2,22,264	2,33,377	2,45,046	2,57,298
Total Expenses				#####	#####	#####	#####	#####	#####	#####
Operating Income				9,38,815	13,52,272	15,67,182	18,00,203	20,52,607	23,25,751	26,21,078

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

Facility 2 - Grain Processing Unit - Dal Mill
13.1 Producers/ Capacity Utilization

Capacity
No. of Hours

20 Qtls P Hour

8

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
No. of Operation Days	300	300	300	300	300	300	300
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	12173	13912	15651	17390	19129	20868	22607
Black Gram/Udid	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	0	0	0	0	0	0	0
Maize	8705	9949	11192	12436	13679	14923	16166
Safflower	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Maize	2812	3214	3616	4018	4419	4821	5223
	0	0	0	0	0	0	0
Total Quantity to be Processed	23690	27075	30459	33843	37228	40612	43996
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 (20%)	-	-	-	-	-	-	-
Quantity for Processing (100%)	-	-	-	-	-	-	-
Soybean	-	-	-	-	-	-	-
Red Gram/Tur	-	-	-	-	-	-	-
Paddy/Rice	-	-	-	-	-	-	-
Green Gram/ Moong	-	-	-	-	-	-	-
Maize	12,173	13,912	15,651	17,390	19,129	20,868	22,607
Black Gram/Udid	-	-	-	-	-	-	-
Bajra	-	-	-	-	-	-	-
Jawar	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-
Bengal Gram/Channa	-	-	-	-	-	-	-
Jawar	-	-	-	-	-	-	-
Maize	8,705	9,949	11,192	12,436	13,679	14,923	16,166
Safflower	-	-	-	-	-	-	-
	0	-	-	-	-	-	-
	0	-	-	-	-	-	-
	0	-	-	-	-	-	-
Maize	2,812	3,214	3,616	4,018	4,419	4,821	5,223
	0	-	-	-	-	-	-
Output (Quintal)							
Soybean							
Red Gram/Tur							
Cattle feed (96%)	10,712.24	12,242.56	13,772.88	15,303.20	16,833.52	18,363.84	19,894.16
Waste	1,460.76	1,669.44	1,878.12	2,086.80	2,295.48	2,504.16	2,712.84
Paddy/Rice							
Green Gram/ Moong							
Cattle feed (96%)	7,660	8,755	9,849	10,943	12,038	13,132	14,226
Waste	1,045	1,194	1,343	1,492	1,642	1,791	1,940
Maize	-	-	-	-	-	-	-
Black Gram/Udid							
Dal (80%)	-	-	-	-	-	-	-
Husk and Powder	-	-	-	-	-	-	-
Bajra							

Jawar								
Sunflower								
Wheat								
Bengal Gram/Channa								
Cattle feed (96%)	2,475	2,828	3,182	3,536	3,889	4,243	4,596	
Waste	337	386	434	482	530	579	627	
Jawar								
Maize	-	-	-	-	-	-	-	
Safflower								
	0							
	0							
	0							
Maize	-	-	-	-	-	-	-	
	0							
Total Quantity to be Processed	-	-	-	-	-	-	-	

Packaging (In Kg)

50

13.2 Facility 2 - Profit and loss of Grain Processing Unit - Cattle Feed

100% 105.00% 110.25% 115.76% 121.55% 127.63% 134.01%

Particulars	Unit	Rate	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Revenue Cattle Feed Sale									
Pulses									
Cattle Feed 1	50 Kg	800	37,61,822	44,97,216	50,62,904	56,28,591	61,94,279	67,59,967	73,25,654
Cattle Feed 2	50 Kg	800	1,62,87,605	1,94,65,670	2,19,14,182	2,43,62,694	2,68,11,206	2,92,59,718	3,17,08,230
Cattle Feed 3	50 Kg	835	1,21,53,150	1,45,28,953	1,63,56,495	1,81,84,036	2,00,11,577	2,18,39,118	2,36,66,693
Husk and Powder	Kg	10	-	-	-	-	-	-	-
Job Work Charges	Kg	6	-	-	-	-	-	-	-
Revenue			3,21,97,577	3,94,91,840	4,33,33,581	4,81,75,322	5,30,17,062	5,78,59,803	6,27,01,544
Expenses									
Variable Cost									
Maize 1	Quintals	1,145	32,20,161	36,80,183	41,40,266	46,00,229	50,60,252	55,20,275	59,80,298
Maize 2	Quintals	1,145	1,39,38,085	1,59,29,240	1,79,20,395	1,99,11,550	2,19,02,705	2,38,93,860	2,58,85,015
Maize 3	Quintals	1,145	99,67,163	1,13,91,044	1,28,14,924	1,42,38,805	1,56,62,685	1,70,86,566	1,85,10,446
Green Gram	Quintals	6,200	-	-	-	-	-	-	-
Oil (Liters)	2	90	1,26,426	2,11,711	6,04,458	7,03,201	8,14,508	9,32,981	10,61,266
Daily Labour	20	200	12,00,000	12,60,000	13,23,000	13,89,150	14,58,608	15,31,538	16,08,115
Electricity Charges	208.88	8	5,01,312	5,26,378	5,52,696	5,80,331	6,09,348	6,39,815	6,71,206
Loading/Unloading Charges		1	47,381	56,857	67,162	78,356	90,501	1,03,665	1,17,919
Packaging Exp		2	52,748	63,298	74,771	87,233	1,00,754	1,15,409	1,31,278

Transportation Charges		10	2,63,742	3,16,491	3,73,855	4,36,164	5,03,770	5,77,045	6,56,389
Add: Opening Stock				14,67,664	16,70,936	18,74,881	20,79,543	22,84,968	24,91,205
Less: Closing Stock			14,67,664	16,70,936	18,74,881	20,79,543	22,84,968	24,91,205	26,98,307
Total Variable Cost			2,81,49,354	3,35,31,930	3,76,67,523	4,18,22,357	4,59,97,705	5,01,94,917	5,44,15,430
Fixed Cost									
Machine Operator	5	9,000	5,40,000	5,67,000	5,95,350	6,25,118	6,56,373	6,89,192	7,23,682
Helper Salary	1	4,500	54,000	56,700	59,535	62,512	65,637	68,919	72,365
AMC Charges	1	5,000	60,000	63,000	66,150	69,458	72,930	76,577	80,466
Fixed Cost			6,54,000	6,86,700	7,21,035	7,57,087	7,94,941	8,34,688	8,76,423
Total expenses			2,88,03,354	3,42,18,630	3,83,88,558	4,25,79,444	4,67,92,646	5,10,29,605	5,52,91,853
Operating Profit			33,94,222	42,73,210	49,45,022	55,95,877	62,24,417	68,29,198	74,08,692

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

**Facility 3 - Warehouse
14.1 Capacity Utilization**

Capacity

1,200.00 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	17,280.00	18,360.00	19,440.00	20,520.00	21,600.00	21,600.00	21,600.00

14.2 Facility 3 - Profit and loss of Warehouse

Particulars	Unit	Rate	100%	105.00%	110.25%	115.76%	121.55%	127.63%	134.01%
			Y1	Y2	Y3	Y4	Y5	Y6	Y7
Vegetable									
Storage Charges per MT per Month		65	11,23,200	12,53,070	13,93,119	15,44,040	17,06,571	17,91,899	18,81,494
Total Revenue			11,23,200	12,53,070	13,93,119	15,44,040	17,06,571	17,91,899	18,81,494
Expenses									
Variable Cost									
Dunnage	MT	15	1,08,000	1,13,400	1,19,070	1,25,024	1,31,275	1,37,838	1,44,730
Fumigation	MT	14	3,02,400	3,17,520	3,33,396	3,50,066	3,67,569	3,85,948	4,05,245
Electricity		18,000	2,16,000	2,26,800	2,38,140	2,50,047	2,62,549	2,75,677	2,89,461
Total Variable Cost			6,26,400	6,57,720	6,90,606	7,25,136	7,61,393	7,99,463	8,39,436
Fixed Cost									
Warehouse Manager	2	7,500	1,80,000	1,89,000	1,98,450	2,08,373	2,18,791	2,29,731	2,41,217
Watchmen salary	4	5,000	2,40,000	2,52,000	2,64,600	2,77,830	2,91,722	3,06,308	3,21,623
Total Fixed Cost			4,20,000	4,41,000	4,63,050	4,86,203	5,10,513	5,36,038	5,62,840
Total Expenses			10,46,400	10,98,720	11,53,656	12,11,339	12,71,906	13,35,501	14,02,276
Operating profit			76,800	1,54,350	2,39,463	3,32,701	4,34,665	4,56,398	4,79,218

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

