

1.1 Total Project Cost

Sr. No.	Particular	Amount (Rs.)	Grant (%)	Grant Amount (Rs.)
1	Land and Building	1,49,99,900	60%	89,99,940
2	Machinery and Equipment	1,87,49,700	60%	1,12,49,820
3	Furniture and Fixture	-	60%	-
4	IT & It Infrastructure	-	60%	-
5	Transport vehical (Refer van and other)	-	60%	-
6	Preliminary Expenses	15,000	60%	9,000
7	Working Capital	21,45,802		
Total		3,59,10,402		2,02,58,760

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

3,37,64,600

Sr. No.	Particular	Bank Loan (%)	Amount (Rs.)
1	Govt. Grant under SMART Project		2,02,58,760
2	Bank Finance - Long Term Loan	20%	67,49,920
3	Own Contribution		89,01,722
Total			3,59,10,402

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)	43.70%	Project Viable	BEP shall be less than 60% <60%
2	Avg. Return on Capital Employed Average (ROCE)	16.89%	Project Viable	RoCE for the project shall be more than 20% >20%
3	Internal Rate of Return (IRR)	13.13%	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)	43,07,793	NPV is high and positive at a conservative project life of 7 years	With a discount rate of 10% and a span of 7 operational years, the NPV should be positive Positive
5	Payback period	4.72	Project Viable	The Pack Back Period (Project/ Equity) shall be less than 7 years <7 years
6	Debt Service Coverage Ratio (DSCR)	2.06	Project Viable	DSCR shall be more than 2 for better performing project. >2

3.1 Schedule of General Admin Expenses

		100%	105.00%	110.25%	115.76%	121.55%	127.63%	134.01%
Personnel								
Manager	Ns	1	20,000	2,400,000	2,520,000	2,640,000	2,770,830	2,917,722
Accountant	Ns	1	15,000	1,800,000	1,890,000	1,980,450	2,080,373	2,181,791
Wardens	Ns	7	105,000	2,720,000	3,660,000	3,773,810	3,910,722	4,060,308
Telephone and internet Exp	Months	12	600	7,200	7,560	7,938	8,335	8,752
Office Electricity Exp	Months	12	150	1,800	1,410	1,631	1,862	2,105
Printing & Stationery	Months	12	1,100	13,200	13,960	14,553	15,291	16,045
Land Lease	Months	12	5,000	60,000	63,000	66,150	69,450	72,930
Misc expenses	Months	12	35,000	420,000	441,000	463,050	486,203	510,511
Audit and Legal Consultancy	Lumpsum	1	5,000,000	5,000,000	5,250,000	5,512,500	5,788,131	6,077,251
Farmer Welfare Program	Lumpsum	1	4,000,000	4,000,000	4,200,000	4,410,000	4,630,500	4,862,203
Total Admin Expense				20,78,600	21,80,430	22,85,452	23,93,924	25,14,120

3.2 Depreciation

		As per company Act						As per If Act					
		SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	
Assets													
Building													
Asset Value		1,49,99,900	1,35,74,910	1,31,44,583	1,27,27,902	1,23,24,427	1,19,33,743	1,15,55,443	1,49,99,900	1,34,99,910	1,21,49,919	1,09,54,927	
Depreciation		14,24,991	4,30,125	4,16,683	4,03,474	3,90,684	3,78,300	3,66,308	14,99,990	13,49,991	12,14,992	10,93,493	
Accumulated Depreciation		14,24,991	18,55,116	22,71,799	26,75,273	30,65,957	34,44,427	38,10,764	14,99,990	28,49,981	40,64,973	51,58,466	
Net Fixed Assets		1,35,74,910	1,31,44,585	1,27,27,902	1,23,24,427	1,19,33,743	1,15,55,443	1,11,89,136	1,34,99,910	1,21,49,919	1,09,54,927	98,61,434	
Plant and Machinery													
Asset Value		1,87,49,700	1,53,56,004	1,25,76,568	1,03,00,209	84,35,871	69,08,978	56,58,453	1,87,49,700	1,59,37,243	1,35,46,658	1,15,14,660	
Depreciation		33,93,696	27,79,427	23,76,359	19,64,330	15,26,893	11,26,525	10,24,180	28,12,455	23,99,587	20,31,999	17,27,199	
Accumulated Depreciation		33,93,696	61,73,123	85,49,481	1,05,13,829	1,18,40,722	1,30,67,247	1,41,93,427	28,12,455	52,02,042	72,33,040	89,60,239	
Net Fixed Assets		1,53,56,004	1,25,76,568	1,03,00,209	84,35,871	69,08,978	56,58,453	46,34,273	1,59,37,243	1,35,46,658	1,15,14,660	97,87,461	
Gross Fixed Asset		3,37,49,600	2,89,30,914	2,57,21,152	2,30,28,110	2,07,68,298	1,88,43,721	1,72,13,896	3,37,49,600	2,94,37,155	2,56,96,577	2,24,49,587	
Total Depreciation		48,18,686	32,89,741	26,93,842	22,67,812	19,17,477	16,28,825	13,90,488	43,12,445	37,49,578	32,46,991	28,28,692	
Accumulated Depreciation		48,18,686	86,28,448	1,17,21,490	1,37,93,282	1,53,90,879	1,65,55,704	1,79,26,191	43,12,445	80,51,823	1,13,08,813	1,41,26,705	
Net Fixed Assets		2,89,30,914	2,57,21,152	2,30,28,110	2,07,68,298	1,88,43,721	1,72,13,896	1,58,23,408	2,94,37,155	2,56,96,577	2,24,49,587	1,96,20,895	

Line Method (SLM) %	Company's Act SLM	IT Act WDV	Company's Act WDV
Land	0.00%	0.00%	0.00%
Building	3.17%	10.00%	9.50%
Electrification	10.00%	10.00%	10.00%
IT and Infrastructure	10.00%	40.00%	40.00%
Vehicle	11.88%	15.00%	15.00%
Plant and machinery	6.35%	15.00%	18.10%
Line Method (SLM) % incubation	20%	20%	20%

3.3 Amortization Schedule

Preliminary Expenses	5	3,000	3,000	3,000	3,000	3,000	-	-
Total Value		3,000	3,000	3,000	3,000	3,000	-	-

3.4 Tax Schedule

	1	2	3	4	5	6
EBIT	6,55,516	90,71,056	68,92,755	86,36,901	1,01,57,193	1,17,30,768
Add Depreciation as per co	48,18,686	32,89,741	26,93,842	22,67,812	19,17,477	16,28,825
Less Depreciation as per IT	43,12,445	37,40,578	32,46,991	28,20,692	24,25,263	21,31,630
Taxable Income	11,89,557	46,90,219	63,39,506	80,84,021	96,49,307	1,12,26,963
Profit/loss of Tax	3,89,285	11,67,462	16,48,884	20,96,446	25,01,852	29,18,755

Maximum Tax rate **28%**

This Sheet refer for provision of tax calculation

4.1 Repayment Schedule

Loan Amount (R 67,49,920
 Interest rate /PA 12%
 Loan Tenure in y 3
 Moratorium Perio 6
 EMI Rs. 2,61,546.66

Year	Particulars	Opening Balance	Interest	Pricipal Repayment	EMI	Outstanding
Year 1	Month 1	67,49,920	67,499	-	67,499	67,49,920
	Month 2	67,49,920	67,499	-	67,499	67,49,920
	Month 3	67,49,920	67,499	-	67,499	67,49,920
	Month 4	67,49,920	67,499	-	67,499	67,49,920
	Month 5	67,49,920	67,499	-	67,499	67,49,920
	Month 6	67,49,920	67,499	-	67,499	67,49,920
	Month 7	67,49,920	67,499	1,94,047	2,61,547	65,55,873
	Month 8	65,55,873	65,559	1,95,988	2,61,547	63,59,885
	Month 9	63,59,885	63,599	1,97,948	2,61,547	61,61,937
	Month 10	61,61,937	61,619	1,99,927	2,61,547	59,62,009
	Month 11	59,62,009	59,620	2,01,927	2,61,547	57,60,083
	Month 12	57,60,083	57,601	2,03,946	2,61,547	55,56,137
Year 2	Month 13	55,56,137	55,561	2,05,985	2,61,547	53,50,152
	Month 14	53,50,152	53,502	2,08,045	2,61,547	51,42,107
	Month 15	51,42,107	51,421	2,10,126	2,61,547	49,31,981
	Month 16	49,31,981	49,320	2,12,227	2,61,547	47,19,754
	Month 17	47,19,754	47,198	2,14,349	2,61,547	45,05,405
	Month 18	45,05,405	45,054	2,16,493	2,61,547	42,88,912
	Month 19	42,88,912	42,889	2,18,658	2,61,547	40,70,255
	Month 20	40,70,255	40,703	2,20,844	2,61,547	38,49,411
	Month 21	38,49,411	38,494	2,23,053	2,61,547	36,26,358
	Month 22	36,26,358	36,264	2,25,283	2,61,547	34,01,075
	Month 23	34,01,075	34,011	2,27,536	2,61,547	31,73,539
	Month 24	31,73,539	31,735	2,29,811	2,61,547	29,43,728
Year 3	Month 25	29,43,728	29,437	2,32,109	2,61,547	27,11,619
	Month 26	27,11,619	27,116	2,34,430	2,61,547	24,77,188
	Month 27	24,77,188	24,772	2,36,775	2,61,547	22,40,413
	Month 28	22,40,413	22,404	2,39,143	2,61,547	20,01,271
	Month 29	20,01,271	20,013	2,41,534	2,61,547	17,59,737
	Month 30	17,59,737	17,597	2,43,949	2,61,547	15,15,788
	Month 31	15,15,788	15,158	2,46,389	2,61,547	12,69,399
	Month 32	12,69,399	12,694	2,48,853	2,61,547	10,20,546
	Month 33	10,20,546	10,205	2,51,341	2,61,547	7,69,205
	Month 34	7,69,205	7,692	2,53,855	2,61,547	5,15,350
	Month 35	5,15,350	5,154	2,56,393	2,61,547	2,58,957
	Month 36	2,58,957	2,590	2,58,957	2,61,547	0

Year 4	Month 37	0	0	(0)		0
	Month 38	0	0	(0)		0
	Month 39	0	0	(0)		0
	Month 40	0	0	(0)		0
	Month 41	0	0	(0)		0
	Month 42	0	0	(0)		0
	Month 43	0	0	(0)		0
	Month 44	0	0	(0)		0
	Month 45	0	0	(0)		0
	Month 46	0	0	(0)		0
	Month 47	0	0	(0)		0
	Month 48	0	0	(0)		0
Year 5	Month 49	0	0	(0)	-	0
	Month 50	0	0	(0)	-	0
	Month 51	0	0	(0)	-	0
	Month 52	0	0	(0)	-	0
	Month 53	0	0	(0)	-	0
	Month 54	0	0	(0)		0
	Month 55	0	0	(0)		0
	Month 56	0	0	(0)		0
	Month 57	0	0	(0)		0
	Month 58	0	0	(0)		0
	Month 59	0	0	(0)		0
	Month 60	0	0	(0)		0
Year 6	Month 61	0	0	(0)		0
	Month 62	0	0	(0)		0
	Month 63	0	0	(0)		0
	Month 64	0	0	(0)		0
	Month 65	0	0	(0)		0
	Month 66	0	0	(0)		0
	Month 67	0	0	(0)		0
	Month 68	0	0	(0)		0
	Month 69	0	0	(0)		0
	Month 70	0	0	(0)		0
	Month 71	0	0	(0)		0
	Month 72	0	0	(0)		0
Year 7	Month 73	0	0	(0)		0
	Month 74	0	0	(0)		0
	Month 75	0	0	(0)		0
	Month 76	0	0	(0)		0
	Month 77	0	0	(0)		0
	Month 78	0	0	(0)		0
	Month 79	0	0	(0)		0
	Month 80	0	0	(0)		0
	Month 81	0	0	(0)		0
	Month 82	0	0	(0)		0
	Month 83	0	0	(0)		0
	Month 84	0	0	(0)		0

1501475.13 6749920.00

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

	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Opening Stock							
Agri Input	-	-	-	-	-	-	-
Trading	-	-	-	-	-	-	-
Grain Processing	59,64,681	65,76,061	72,33,667	79,40,594	87,00,129	95,15,766	1,03,91,216
Horticulture Processing	-	-	-	-	-	-	-
Total	59,64,681	65,76,061	72,33,667	79,40,594	87,00,129	95,15,766	1,03,91,216
Closing Stock							
Agri Input	5%	-	-	-	-	-	-
Trading	5%	-	-	-	-	-	-
Grain Processing	5%	59,64,681	65,76,061	72,33,667	79,40,594	87,00,129	95,15,766
Horticulture Processing	5%	-	-	-	-	-	-
Total		59,64,681	65,76,061	72,33,667	79,40,594	87,00,129	95,15,766

Closing Stock is an amount of unsold stock lying in your business on a given date. In simple words, it's the inventory which is still in your business waiting to be sold for a given period. The closing stock can be in various forms such as raw materials, in-process goods (WIP) or finished goods

Assumption:
1 Closing stock of each facility is 5%

5.2 Working Capital Calculation

Sr. No.	Particulars	Duration (In days)	Amount (Rs.)							
			Y1	Y2	Y3	Y4	Y5	Y6	Y7	
A	Accounts Receivables (Debtors)									
1	Agri Input	14	-	-	-	-	-	-	-	-
2	Custom Hiring	14	-	-	-	-	-	-	-	-
3	Cleaning & Grading	14	-	-	-	-	-	-	-	-
4	Dal Mill	14	48,59,991	56,18,873	61,81,412	67,86,158	74,35,924	81,33,703	88,82,669	
5	Warehouse	14	-	-	-	-	-	-	-	
6	Processing Unit - Horti Commodity	14	-	-	-	-	-	-	-	
	Subtotal		48,59,991	56,18,873	61,81,412	67,86,158	74,35,924	81,33,703	88,82,669	
B	Closing Stock		59,64,681	65,76,061	72,33,667	79,40,594	87,00,129	95,15,766	1,03,91,216	
	Total		1,08,24,673	1,21,94,934	1,34,15,079	1,47,26,751	1,61,36,053	1,76,49,468	1,92,73,885	
C	Accounts Payable & Accrued Expenses (Creditors)									
1	Agri Input	7	-	-	-	-	-	-	-	
2	Custom Hiring	7	-	-	-	-	-	-	-	
3	Cleaning & Grading	7	-	-	-	-	-	-	-	
4	Dal Mill	7	22,41,464	25,85,605	28,44,452	31,22,719	34,21,701	37,42,776	40,87,403	
5	Warehouse	7	-	-	-	-	-	-	-	
	Processing Unit - Horti Commodity	7	-	-	-	-	-	-	-	
	Total		22,41,464	25,85,605	28,44,452	31,22,719	34,21,701	37,42,776	40,87,403	
D	Working Capital		85,83,209	96,09,329	1,05,70,627	1,16,04,032	1,27,14,352	1,39,06,693	1,51,86,482	
	Own Contribution	25%	21,45,802							

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 provides requirement of working capital for running business

Assumption:

- 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 - Cleaning & Grading	-	-	-	-	-	-	-
Facility 2 - Processing Unit- Dal Mill	12,67,06,917	14,64,92,037	16,11,58,235	17,69,24,823	19,38,65,173	21,20,57,247	23,15,83,865
Facility 3 - Warehouse	-	-	-	-	-	-	-
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Con	-	-	-	-	-	-	-
Total Revenue	12,67,06,917	14,64,92,037	16,11,58,235	17,69,24,823	19,38,65,173	21,20,57,247	23,15,83,865
Variable Cost							
Facility 1 - Cleaning & Grading	-	-	-	-	-	-	-
Facility 2 - Processing Unit- Dal Mill	11,68,76,334	13,48,20,839	14,83,17,835	16,28,27,478	17,84,17,291	19,51,59,016	21,31,28,871
Facility 3 - Warehouse	-	-	-	-	-	-	-
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Con	-	-	-	-	-	-	-
Total Variable Cost	11,68,76,334	13,48,20,839	14,83,17,835	16,28,27,478	17,84,17,291	19,51,59,016	21,31,28,871
Fixed Cost							
Facility 1 - Cleaning & Grading	-	-	-	-	-	-	-
Facility 2 - Processing Unit- Dal Mill	6,96,000	7,30,800	7,67,340	8,05,707	8,45,992	8,88,292	9,32,707
Facility 3 - Warehouse	-	-	-	-	-	-	-
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Centre	-	-	-	-	-	-	-
Facility 6 - Processing Unit - Horti Con	-	-	-	-	-	-	-
Admin Expenses	20,76,600	21,80,430	22,89,452	24,03,924	25,24,120	26,50,326	27,82,843
Total Fixed Cost	27,72,600	29,11,230	30,56,792	32,09,631	33,70,113	35,38,618	37,15,549
Total Cost	11,96,48,934	13,77,32,069	15,13,74,626	16,60,37,109	18,17,87,403	19,86,97,634	21,68,44,420
Profit Before Depreciation ,Interest a	70,57,984	87,59,968	97,83,609	1,08,87,714	1,20,77,770	1,33,59,613	1,47,39,445
Depreciation	48,18,686	32,09,761	26,93,042	22,67,812	19,17,577	16,28,825	13,90,488
Amortization	3,000	3,000	3,000	3,000	3,000	-	-
Profit Before Interest and Tax	22,36,297	55,47,207	70,87,567	86,16,901	1,01,57,193	1,17,30,788	1,33,48,958
Interest on Term loan	15,52,981	5,26,151	1,94,832	0	0	0	0
Profit Before Tax	6,83,316	50,21,056	68,92,735	86,16,901	1,01,57,193	1,17,30,788	1,33,48,958
Less. Tax	3,09,285	11,67,462	16,48,084	20,96,646	25,01,852	29,18,755	33,49,209
Profit After Tax	3,74,031	38,53,593	52,44,650	65,20,256	76,55,341	88,12,033	99,99,749
Cumulative Profit	3,74,031	42,27,625	94,72,275	1,59,92,531	2,36,47,872	3,24,59,904	4,24,59,653

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	61,47,737	9,92,354	50,28,020	1,27,85,682	2,12,51,281	3,04,99,797	4,06,10,244
Accounts Receivables	48,59,991	56,18,873	61,81,412	67,86,158	74,35,924	81,33,703	88,82,669
Other Current Assets	59,64,681	65,76,061	72,33,667	79,40,594	87,00,129	95,15,766	1,03,91,216
Total Current Assets	1,69,72,409	1,31,87,288	1,84,43,099	2,75,12,434	3,73,87,334	4,81,49,266	5,98,84,129
Gross Fixed Assets	3,37,49,600	2,89,30,914	2,57,21,152	2,30,28,110	2,07,60,298	1,88,42,721	1,72,13,896
Less: Depreciation	48,18,686	32,09,761	26,93,042	22,67,812	19,17,577	16,28,825	13,90,488
Net Fixed Assets	2,89,30,914	2,57,21,152	2,30,28,110	2,07,60,298	1,88,42,721	1,72,13,896	1,58,23,409
Preliminary & Pre- operativ	12,000	9,000	6,000	3,000	0	0	0
TOTAL ASSETS	4,59,15,323	3,89,17,440	4,14,77,209	4,82,75,732	5,62,30,055	6,53,63,162	7,57,07,538
LIABILITIES & SHAREHOLDERS EQUITY							
CURRENT LIABILITIES							
Short Term Debt (Working ca	85,83,209						
Accounts Payable & Accrued	22,41,464	25,85,605	28,44,452	31,22,719	34,21,701	37,42,776	40,87,403
Other Current Liabilities							
Total Curent Liabilities	1,08,24,673	25,85,605	28,44,452	31,22,719	34,21,701	37,42,776	40,87,403
Secured Long Term Debt	55,56,137	29,43,728	0	0	0	0	0
Differed Tax Liabilities							
TOTAL LIABILITIES	1,63,80,810	55,29,333	28,44,452	31,22,719	34,21,701	37,42,776	40,87,403
Share capital	89,01,722	89,01,722	89,01,722	89,01,722	89,01,722	89,01,722	89,01,722
Smart Grant -in-Aid	2,02,58,760	2,02,58,760	2,02,58,760	2,02,58,760	2,02,58,760	2,02,58,760	2,02,58,760
Reserves and Surplus							
Add: Opening Balance (P/L A	0	3,74,031	42,27,625	94,72,275	1,59,92,531	2,36,47,872	3,24,59,904
Profit & Loss) During the Yea	3,74,031	38,53,593	52,44,650	65,20,256	76,55,341	88,12,033	99,99,749
Appropriation - Dividend							
Total Reserves	3,74,031	42,27,625	94,72,275	1,59,92,531	2,36,47,872	3,24,59,904	4,24,59,653
TOTAL EQUITY	2,95,34,513	3,33,88,107	3,86,32,757	4,51,53,013	5,28,08,354	6,16,20,386	7,16,20,135
TOTAL LIABILITIES & E	4,59,15,323	3,89,17,440	4,14,77,209	4,82,75,732	5,62,30,055	6,53,63,162	7,57,07,538
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	12,67,06,917	14,64,92,037	16,11,58,235	17,69,24,823	19,38,65,173	21,20,57,247	23,15,83,865
2	Equity/ Share capital	89,01,722						
	Reinvestment							
3	Smart Grant -in-Aid	2,02,58,760						
4	Long Term Loan	67,49,920						
5	Short Term Loan	64,37,406	-	-	-	-	-	-
	Sub Total (A)	16,90,54,726	14,64,92,037	16,11,58,235	17,69,24,823	19,38,65,173	21,20,57,247	23,15,83,865
	Cash Outflow (Rs.)							
1	Capital Expenditure							
a	Land and Building	1,49,99,900						
b	Machinery and Equipment	1,87,49,700						
c	Furniture & Fixture	-						
d	It Infrastructure	-						
e	Vehicle	-						
f	Preliminary Expenses	15,000						
2	Operational Expenditure							
a	Variable Cost	11,68,76,334	13,48,20,839	14,83,17,835	16,28,27,478	17,84,17,291	19,51,59,016	21,31,28,871
b	Fixed Cost	27,72,600	29,11,230	30,56,792	32,09,631	33,70,113	35,38,618	37,15,549
3	Loan Repayment							
	LTL - Principal	11,93,783	26,12,409	29,43,728	(0)	(0)	(0)	(0)
	LTL - Interest	7,80,492	5,26,151	1,94,832	0	0	0	0
	STL - Principal	64,37,406	-	-	-	-	-	-
	STL - Interest	7,72,489	-	-	-	-	-	-
4	Tax	3,09,285	11,67,462	16,48,084	20,96,646	25,01,852	29,18,755	33,49,209
	Sub Total (B)	16,29,06,989	14,20,38,091	15,61,61,271	16,81,33,755	18,42,89,255	20,16,16,390	22,01,93,629
	Net Cash Flow (A-B)	61,47,737	44,53,946	49,96,964	87,91,068	95,75,918	1,04,40,857	1,13,90,236
	Opening Cash and Bank		61,47,737	9,92,354	50,28,020	1,27,85,682	2,12,51,281	3,04,99,797
	Cumulative Cash Balance	61,47,737	9,92,354	50,28,020	1,27,85,682	2,12,51,281	3,04,99,797	4,06,10,244

A projected cash flow statement is used to evaluate cash inflows and outflows to deter. mine 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		3,74,031	38,53,593	52,44,650	65,20,256	76,55,341	88,12,033	99,99,749
Add: Depreciation		48,18,686	32,09,761	26,93,042	22,67,812	19,17,577	16,28,825	13,90,488
Add: Preliminary expense written off		3,000	3,000	3,000	3,000	3,000	0	0
Net Cash Accrual (A)		51,95,718	70,66,355	79,40,692	87,91,068	95,75,918	1,04,40,857	1,13,90,236
Initial Investment/ Net Ca		51,95,718	70,66,355	79,40,692	87,91,068	95,75,918	1,04,40,857	1,13,90,236
IRR	13.13%							
Present Value Equivalent		0.88	0.78	0.69	0.61	0.54	0.48	0.42
Present Value of Future Inflows		45,92,512	55,20,838	54,83,688	53,66,125	51,66,595	49,79,261	48,01,382
Operating Net Cash Inflow					3,59,10,402			
Present Capital Outflow					3,59,10,402			
				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

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Gross Receipts							
Facility 1 - Cleaning & G	-	-	-	-	-	-	-
Facility 2 - Processing Un	12,67,06,917	14,64,92,037	16,11,58,235	17,69,24,823	19,38,65,173	21,20,57,247	23,15,83,865
Facility 3 - Warehouse	-	-	-	-	-	-	-
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Ce	-	-	-	-	-	-	-
Facility 6 - Processing Un	-	-	-	-	-	-	-
Total Receipts	12,67,06,917	14,64,92,037	16,11,58,235	17,69,24,823	19,38,65,173	21,20,57,247	23,15,83,865
Total Variable Exp	11,68,76,334	13,48,20,839	14,83,17,835	16,28,27,478	17,84,17,291	19,51,59,016	21,31,28,871
Contribution	98,30,584	1,16,71,198	1,28,40,400	1,40,97,345	1,54,47,883	1,68,98,231	1,84,54,994
Total Fixed exp	75,94,286	61,23,991	57,52,834	54,80,443	52,90,690	51,67,443	51,06,037
BEP	77%	52%	45%	39%	34%	31%	28%

Average BEP 43.70%

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

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Profit after Tax & Dividend	3,74,031	38,53,593	52,44,650	65,20,256	76,55,341	88,12,033	99,99,749
Add: Depreciation	48,18,686	32,09,761	26,93,042	22,67,812	19,17,577	16,28,825	13,90,488
Written off	3,000	3,000	3,000	3,000	3,000	0	0
Net Cash Accrual (A)	51,95,718	70,66,355	79,40,692	87,91,068	95,75,918	1,04,40,857	1,13,90,236
PV Factor @ 10 %	0.91	0.83	0.75	0.68	0.62	0.56	0.51
Disc Cash Flow	47,23,380	58,39,963	59,65,960	60,04,418	59,45,892	58,93,592	58,44,992

Total Discounted Cash	4,02,18,195
Present Value of Outflow	3,59,10,402
NPV	43,07,793.16

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	3,74,031	38,53,593	52,44,650	65,20,256	76,55,341	88,12,033	99,99,749
Average net profit	6065664.72						
Total Project cost	35910402.15						
ROI	16.89%						

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	3,59,10,402							
Profit after Tax & Dividend		3,74,031	38,53,593	52,44,650	65,20,256	76,55,341	88,12,033	99,99,749
Add: Depreciation		48,18,686	32,09,761	26,93,042	22,67,812	19,17,577	16,28,825	13,90,488
Add: Preliminary exp Written off		3,000	3,000	3,000	3,000	3,000	-	-
Net Cash Accrual (A)		51,95,718	70,66,355	79,40,692	87,91,068	95,75,918	1,04,40,857	1,13,90,236
Cashflow - Initial Investment		(3,07,14,685)	(2,36,48,330)	(1,57,07,637)	(69,16,570)	26,59,349		

Payback period (in years) - Project 4.72

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	70,57,984	87,59,968	97,83,609	1,08,87,714	1,20,77,770	1,33,59,613	1,47,39,445
Add: Depreciation	48,18,686	32,09,761	26,93,042	22,67,812	19,17,577	16,28,825	13,90,488
Add: Amortization	3,000	3,000	3,000	3,000	3,000	-	-
Interest on TL	7,80,492	5,26,151	1,94,832	0	0	0	0
Total	1,26,60,162	1,24,98,880	1,26,74,483	1,31,58,526	1,39,98,347	1,49,88,437	1,61,29,933
Total Annual EMI	19,74,275	31,38,560	31,38,560	-	-	-	-
Debt Service Coverage	6.41	3.98	4.04	0.00	0.00	0.00	0.00

Average DSCR 2.06

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 - Cleaning & G	-	-	-	-	-	-	-
Facility 2 - Processing Un	13,30,42,263	15,38,16,639	16,92,16,147	18,57,71,064	20,35,58,432	22,26,60,109	24,31,63,059
Facility 3 - Warehouse	-	-	-	-	-	-	-
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Ce	-	-	-	-	-	-	-
Facility 6 - Processing Un	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-
Total Income	13,30,42,263	15,38,16,639	16,92,16,147	18,57,71,064	20,35,58,432	22,26,60,109	24,31,63,059
Expenditure							
Fixed Cost (Excl. of Dep	27,72,600	29,11,230	30,56,792	32,09,631	33,70,113	35,38,618	37,15,549
Variable Cost	12,27,20,150	13,48,20,839	14,83,17,835	16,28,27,478	17,84,17,291	19,51,59,016	21,31,28,871
Total Operational Expens	12,54,92,750	13,77,32,069	15,13,74,626	16,60,37,109	18,17,87,403	19,86,97,634	21,68,44,420
Net Income	75,49,513	1,60,84,570	1,78,41,520	1,97,33,955	2,17,71,029	2,39,62,475	2,63,18,639

Cost Variation (+5%)	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Facility 1 - Cleaning & G	-	-	-	-	-	-	-
Facility 2 - Processing Un	12,67,06,917	14,64,92,037	16,11,58,235	17,69,24,823	19,38,65,173	21,20,57,247	23,15,83,865
Facility 3 - Warehouse	-	-	-	-	-	-	-
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Ce	-	-	-	-	-	-	-
Facility 6 - Processing Un	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-
Total Income	12,67,06,917	14,64,92,037	16,11,58,235	17,69,24,823	19,38,65,173	21,20,57,247	23,15,83,865
Expenditure							
Fixed Cost (Excl. of Dep	27,72,600	29,11,230	30,56,792	32,09,631	33,70,113	35,38,618	37,15,549
Variable Cost	12,27,20,150	14,15,61,881	15,57,33,727	17,09,68,852	18,73,38,155	20,49,16,967	22,37,85,314
Total Operational Expens	12,54,92,750	14,44,73,111	15,87,90,518	17,41,78,483	19,07,08,268	20,84,55,585	22,75,00,864
Net Income	12,14,167	20,18,926	23,67,717	27,46,340	31,56,905	36,01,662	40,83,002

Quantity Variation (-5%)	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Facility 1 - Cleaning & G	-	-	-	-	-	-	-
Facility 2 - Processing Un	12,03,71,571	13,91,67,435	15,31,00,323	16,80,78,581	18,41,71,915	20,14,54,385	22,00,04,672
Facility 3 - Warehouse	-	-	-	-	-	-	-
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Ce	-	-	-	-	-	-	-
Facility 6 - Processing Un	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-
Total Income	12,03,71,571	13,91,67,435	15,31,00,323	16,80,78,581	18,41,71,915	20,14,54,385	22,00,04,672
Expenditure							
Fixed Cost (Excl. of Dep	27,72,600	29,11,230	30,56,792	32,09,631	33,70,113	35,38,618	37,15,549
Variable Cost	11,10,32,517	12,80,79,797	14,09,01,943	15,46,86,104	16,94,96,426	18,54,01,065	20,24,72,427
Total Operational Expens	11,38,05,117	13,09,91,027	14,39,58,735	15,78,95,735	17,28,66,539	18,89,39,684	20,61,87,976
Net Income	65,66,454	81,76,408	91,41,589	1,01,82,846	1,13,05,376	1,25,14,701	1,38,16,696

Cost Variation (-5%)	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Facility 1 - Cleaning & G	-	-	-	-	-	-	-
Facility 2 - Processing Un	12,67,06,917	14,64,92,037	16,11,58,235	17,69,24,823	19,38,65,173	21,20,57,247	23,15,83,865
Facility 3 - Warehouse	-	-	-	-	-	-	-
Facility 4 - Custom Hiring	-	-	-	-	-	-	-
Facility 5 - Agri Input Ce	-	-	-	-	-	-	-
Facility 6 - Processing Un	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-
Total Income	12,67,06,917	14,64,92,037	16,11,58,235	17,69,24,823	19,38,65,173	21,20,57,247	23,15,83,865
Expenditure							
Fixed Cost (Excl. of Dep	27,72,600	29,11,230	30,56,792	32,09,631	33,70,113	35,38,618	37,15,549
Variable Cost	11,10,32,517	12,80,79,797	14,09,01,943	15,46,86,104	16,94,96,426	18,54,01,065	20,24,72,427
Total Operational Expens	11,38,05,117	13,09,91,027	14,39,58,735	15,78,95,735	17,28,66,539	18,89,39,684	20,61,87,976
Net Income	1,29,01,800	1,55,01,010	1,71,99,500	1,90,29,088	2,09,98,635	2,31,17,564	2,53,95,889

Sensitivity analysis is a financial model that determines how target variables are affected based on changes in Quantity or cost variance known as input variables. Here it is assumed 5% (+,-) while calculating sensitivity analysis

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

Capacity 10 Qtls Per Hour
 No. of Hours 8

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
No. of Operation Days	241	253	265	277	289	301	313
Red Gram/Tur	7230	7591	7952	8314	8675	9037	9398
Bengal Gram/Channa	12050	12652	13255	13857	14460	15062	15665
Total Quantity to be Processed	19279	20243	21207	22171	23135	24099	25063
Job Work (%)	0%	0%	0%	0%	0%	0%	0%
Quantity for Processing and Tra	100%	100%	100%	100%	100%	100%	100%
Job Work (50%)	-	-	-	-	-	-	-
Quantity for sale (50%)							
Bengal Gram/Channa	12,050	12,652	13,255	13,857	14,460	15,062	15,665
Output (KG)							
Red Gram/Tur							
Dal (92%)	6,651	6,984	7,316	7,649	7,981	8,314	8,646
Husk and Powder	578	607	636	665	694	723	752
Bengal Gram/Channa							
Dal (92%)	11,086	11,640	12,194	12,749	13,303	13,857	14,412
Husk and Powder	964	1,012	1,060	1,109	1,157	1,205	1,253

Packaging (In Kg) 100

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%

Particulars	Unit	Rate	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Revenue									
Pulses									
Bengal Gram	Quintals	6400	6,74,01,761	7,80,35,276	8,58,48,116	9,42,47,151	10,32,71,470	11,29,62,603	12,33,64,670
Red Gram	Quintals	8800	5,56,03,530	6,43,75,719	7,08,20,973	7,77,49,813	8,51,94,485	9,31,89,249	10,17,70,503
Husk and Powder	Quintals	24	37,01,626	40,81,042	44,89,146	49,27,858	53,99,219	59,05,396	64,48,692
Job Work Charges	Kg	7	-	-	-	-	-	-	-
Revenue			12,67,06,917	14,64,92,037	16,11,58,235	17,69,24,823	19,38,65,173	21,20,57,247	23,15,83,865
Expenses									
Variable Cost									
Bengal Gram	Quintals	5,350	6,44,66,430	7,10,74,239	7,81,81,663	8,58,22,144	9,40,31,218	10,28,46,645	11,23,08,536
Red gram	Quintals	7,300	5,27,75,350	5,81,84,823	6,40,03,306	7,02,58,174	7,69,78,521	8,41,95,258	9,19,41,221
Oil (Liters)	2	150	5,78,379	6,37,663	7,01,429	7,69,978	8,43,628	9,22,718	10,07,608
Daily Labour	3	500	3,61,487	3,98,539	4,38,393	4,81,236	5,27,267	5,76,699	6,29,755
Electricity Charges	8.8	8	16,914	18,647	20,512	22,517	24,670	26,983	29,466
Loading/Unloading Charges		10	3,85,586	4,25,109	4,67,619	5,13,319	5,62,419	6,15,145	6,71,739
packaging Exp		20	7,09,478	7,82,200	8,60,420	9,44,506	10,34,850	11,31,867	12,35,999
Transportation Charges		100	35,47,391	39,10,999	43,02,099	47,22,531	51,74,251	56,59,337	61,79,997
Add: Opening Stock				59,64,681	65,76,061	72,33,667	79,40,594	87,00,129	95,15,766
Less: Closing Stock				59,64,681	65,76,061	72,33,667	79,40,594	87,00,129	95,15,766
Total Variable Cost			11,68,76,334	13,48,20,839	14,83,17,835	16,28,27,478	17,84,17,291	19,51,59,016	21,31,28,871
Fixed Cost									
Machine Operator	1	22,000	2,64,000	2,77,200	2,91,060	3,05,613	3,20,894	3,36,938	3,53,785
Labour semi-skilled	2	18,000	4,32,000	4,53,600	4,76,280	5,00,094	5,25,099	5,51,354	5,78,921
Fixed Cost			6,96,000	7,30,800	7,67,340	8,05,707	8,45,992	8,88,292	9,32,707
Total expenses			11,75,72,334	13,55,51,639	14,90,85,175	16,36,33,185	17,92,63,283	19,60,47,308	21,40,61,577
Operating Profit			91,34,584	1,09,40,398	1,20,73,060	1,32,91,638	1,46,01,890	1,60,09,939	1,75,22,288

This sheet provide details capacity 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.