

TANGY AGRO PRODUCER COMPANY LIMITED

DPR Prepared By :- CA. Deepak Zhawar
Mobile No :- 9764088884

1.1 Total Project Cost

Sr. No.	Particular	Amount (Rs.)	Grant (%)	Grant Amount (Rs.)
1	Land and Building	1,33,37,775	60%	80,02,665
2	Machinery and Equipment	1,57,45,481	60%	94,47,289
3	Furniture and Fixture	-	60%	-
4	IT & It Infrastructure	2,12,194	60%	1,27,316
5	Transport vehicle (Refer van and other)	-	60%	-
6	Preliminary Expenses	11,50,000	60%	6,90,000
7	Working Capital	7,21,965		
	Total	3,11,67,415		1,82,67,270

1.2 Means of Finance

Sr. No.	Particular	Bank Loan (%)	Amount (Rs.)
1	Govt. Grant under SMART Project	60%	1,82,67,270
2	Bank Finance - Long Term Loan	20%	58,59,090
3	Own Contribution	20% + Working Capital	70,41,055
	Total		3,11,67,415

1.3 Financial Indicators

Sr. No.	Financial ratio	Estimated	Result	Level
1	Break Even Point (BEP)	43.51%	Project Viable	40-60 %
2	Avg. Return on Capital Employed Average (ROCE)	16.61%	Project Viable	12-18 %
3	Internal Rate of Return (IRR)	10.02%	Project Viable	10-15 %
4	Net present value (at a discount rate of 10 per cent)	26,186	NPV is high and positive at a conservative project life of 7 years	POSITIVE
5	Payback period	5.18	Project Viable	5-7 y
6	Debt Service Coverage Ratio (DSCR)	2.09	Project Viable	1.5-2.5

2.1

Land and Building

Sr. No.	Particular	Unit	No. of Unit	Rate per unit	Amount (Rs.)
1	Land	Sq. ft.	1	-	-
2	Factory Shed		1	1,33,37,775	1,33,37,775
	Civil Working, Fabrication & Steel Work				1,33,37,775
	Total				1,33,37,775

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

2.2

Machinery and Equipment

Sr. No.	Description	Capacity	No. Required	Rate	Amount (Rs.)	Total HP
A	Custom Hiring - Pre Harvest					
1	Pre-Harvest Equipments		1	8,76,000	8,76,000	
	Tractor and Rotavelor					
	Subtotal				8,76,000	
B						
	Subtotal					
C	Orange Cleaning & Grading					
1	Optical Grading Unit, Grading based on Size, Washing Waxing and Drying Unit		1	99,46,384	99,46,384	50
2	Plastic Fruit & Vegetable Crate		2000	406	811840	
3	Electrical - Transformer		1	530000	5,30,000	
4	Hand Pallet	2.50 T	2	28,320	56,640	
5	DG Set	62.5 KVA	1	7,95,886.00	7,95,886	
6	Pre Cooling Room	20 MT	1	15,98,738	15,98,738	
7	Cold Storage	20 MT	1	11,29,993	11,29,993	
	Subtotal				1,48,69,481	50.00
	Subtotal					
	Subtotal					
	Total				1,57,45,481	50

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

2.3

Furniture and Fixture

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

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	Laptop & Peripherals	1	212194	2,12,194
Total				2,12,194

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

2.5

Transport vehicle (Refer van and other)

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

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

2.6

Preliminary Expenses

Sr. No.	Particular	Amount (Rs.)
1	Chartered Accountants - DPR Fees	2,00,000
2	Other Mis Expenses - Contingency	9,50,000
Total		11,50,000

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

3.1 Schedule of General Admin Expenses

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

Particulars	Unit	No. of Unit	Unit Cost	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Manager - CEO	No.	1	25,000	3,00,000	3,15,000	3,30,750	3,47,288	3,64,652	3,82,884	4,02,029
Accountant	No.	1	25,000	3,00,000	3,15,000	3,30,750	3,47,288	3,64,652	3,82,884	4,02,029
Watchmen	No.	4	8,500	4,08,000	4,28,400	4,49,820	4,72,311	4,95,927	5,20,723	5,46,759
Telephone and internet Exp	Months	12	10,000	1,20,000	1,26,000	1,32,300	1,38,915	1,45,861	1,53,154	1,60,811
Office Electricity Exp	Months	12	5,000	60,000	63,000	66,150	69,458	72,930	76,577	80,406
Printing & Stationary	Months	12	10,000	1,20,000	1,26,000	1,32,300	1,38,915	1,45,861	1,53,154	1,60,811
Land Lease	Months	12	10,000	1,20,000	1,26,000	1,32,300	1,38,915	1,45,861	1,53,154	1,60,811
Insurance	Lumsu m	1	75,000	75,000	78,750	82,688	86,822	91,163	95,721	1,00,507
Misc. expenses	Months	12	20,000	2,40,000	2,52,000	2,64,600	2,77,830	2,91,722	3,06,308	3,21,623
Audit and Legal Compliances expenses	Lumsu m	1	1,00,000	1,00,000	1,05,000	1,10,250	1,15,763	1,21,551	1,27,628	1,34,010
				-	-	-	-	-	-	-
Total Admin Expense				18,43,000	19,35,150	20,31,908	21,33,503	22,40,178	23,52,187	24,69,796

3.2 Depreciation

As per companies Act

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Assets							
Building							
Asset Value	1,33,37,775	1,29,14,968	1,24,92,160	1,20,69,353	1,16,46,545	1,12,23,738	1,08,00,930
Depreciation	4,22,807	4,22,807	4,22,807	4,22,807	4,22,807	4,22,807	4,22,807
Accumulated Depreciation	4,22,807	8,45,615	12,68,422	16,91,230	21,14,037	25,36,845	29,59,652
Net Fixed Assets	1,29,14,968	1,24,92,160	1,20,69,353	1,16,46,545	1,12,23,738	1,08,00,930	1,03,78,123
Plant and Machinery							
Asset Value	1,57,45,481	1,47,48,792	1,37,52,103	1,27,55,414	1,17,58,725	1,07,62,036	97,65,347
Depreciation	9,96,689	9,96,689	9,96,689	9,96,689	9,96,689	9,96,689	9,96,689
Accumulated Depreciation	9,96,689	19,93,378	29,90,067	39,86,756	49,83,445	59,80,134	69,76,823
Net Fixed Assets	1,47,48,792	1,37,52,103	1,27,55,414	1,17,58,725	1,07,62,036	97,65,347	87,68,658
IT Infrastructure							
Asset Value	2,12,194	1,90,975	1,69,755	1,48,536	1,27,316	1,06,097	84,878
Depreciation	21,219	21,219	21,219	21,219	21,219	21,219	21,219
Accumulated Depreciation	21,219	42,439	63,658	84,878	1,06,097	1,27,316	1,48,536
Net Fixed Assets	1,90,975	1,69,755	1,48,536	1,27,316	1,06,097	84,878	63,658
Gross Fixed Asset	2,92,95,450	2,78,54,734	2,64,14,018	2,49,73,303	2,35,32,587	2,20,91,871	2,06,51,155
Total Depreciation	14,40,716	14,40,716	14,40,716	14,40,716	14,40,716	14,40,716	14,40,716
Accumulated Depreciation	14,40,716	28,81,432	43,22,147	57,62,863	72,03,579	86,44,295	1,00,85,011
Net Fixed Assets	2,78,54,734	2,64,14,018	2,49,73,303	2,35,32,587	2,20,91,871	2,06,51,155	1,92,10,439

3.2 Depreciation

As per IT Act

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Assets							
Building							
Asset Value	1,33,37,775	1,20,03,998	1,08,03,598	97,23,238	87,50,914	78,75,823	70,88,240
Depreciation	13,33,778	12,00,400	10,80,360	9,72,324	8,75,091	7,87,582	7,08,824
Accumulated Depreciation	13,33,778	25,34,177	36,14,537	45,86,861	54,61,952	62,49,535	69,58,359
Net Fixed Assets	1,20,03,998	1,08,03,598	97,23,238	87,50,914	78,75,823	70,88,240	63,79,416
Plant and Machinery							
Asset Value	1,57,45,481	1,33,83,659	1,13,76,110	96,69,694	82,19,239	69,86,354	59,38,401
Depreciation	23,61,822	20,07,549	17,06,417	14,50,454	12,32,886	10,47,953	8,90,760
Accumulated Depreciation	23,61,822	43,69,371	60,75,787	75,26,242	87,59,127	98,07,080	1,06,97,841
Net Fixed Assets	1,33,83,659	1,13,76,110	96,69,694	82,19,239	69,86,354	59,38,401	50,47,640
IT Infrastructure							
Asset Value	2,12,194	1,27,316	76,390	45,834	27,500	16,500	9,900
Depreciation	84,878	50,927	30,556	18,334	11,000	6,600	3,960
Accumulated Depreciation	84,878	1,35,804	1,66,360	1,84,694	1,95,694	2,02,294	2,06,254
Net Fixed Assets	1,27,316	76,390	45,834	27,500	16,500	9,900	5,940
Gross Fixed Asset	2,92,95,450	2,55,14,973	2,22,56,098	1,94,38,765	1,69,97,654	1,48,78,677	1,30,36,541
Total Depreciation	37,80,477	32,58,875	28,17,332	24,41,111	21,18,977	18,42,135	16,03,544
Accumulated Depreciation	37,80,477	70,39,352	98,56,685	1,22,97,796	1,44,16,773	1,62,58,909	1,78,62,453
Net Fixed Assets	2,55,14,973	2,22,56,098	1,94,38,765	1,69,97,654	1,48,78,677	1,30,36,541	1,14,32,997

3.3 Amortization Schedule ()

Particulars	Years	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Preliminary Expenses	5	2,30,000	2,30,000	2,30,000	2,30,000	2,30,000	-	-
Total Value		2,30,000	2,30,000	2,30,000	2,30,000	2,30,000	-	-

3.4 Tax Schedule

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
EBT	20,62,750	42,13,580	60,96,789	78,46,697	97,38,690	1,16,90,687	1,35,60,641
Add Depreciation as per companies Act	14,40,716	14,40,716	14,40,716	14,40,716	14,40,716	14,40,716	14,40,716
Less Depreciation as per IT Act	37,80,477	32,58,875	28,17,332	24,41,111	21,18,977	18,42,135	16,03,544
Taxable Income	-2,77,011	23,95,421	47,20,173	68,46,302	90,60,429	1,12,89,268	1,33,97,813
Provision of Taxes	-60,942	5,26,993	10,38,438	15,06,186	19,93,294	24,83,639	29,47,519

22%

Maximum Tax rate

4.1 Repayment Schedule

Loan Amount (Rs) 58,59,090
 Interest rate /PA 12.00%
 Loan Tenure in years 2
 Moratorium Period (In Months) 6
 EMI Rs. 3,57,299.31

Year	Particulars	Opening Balance	Interest	Principal Repayment	EMI	Closing Outstanding
Year 1	Month 1	58,59,090	58,591	-	58,591	58,59,090
	Month 2	58,59,090	58,591	-	58,591	58,59,090
	Month 3	58,59,090	58,591	-	58,591	58,59,090
	Month 4	58,59,090	58,591	-	58,591	58,59,090
	Month 5	58,59,090	58,591	-	58,591	58,59,090
	Month 6	58,59,090	58,591	2,98,708	3,57,299	55,60,382
	Month 7	55,60,382	55,604	3,01,695	3,57,299	52,58,686
	Month 8	52,58,686	52,587	3,04,712	3,57,299	49,53,974
	Month 9	49,53,974	49,540	3,07,760	3,57,299	46,46,214
	Month 10	46,46,214	46,462	3,10,837	3,57,299	43,35,377
	Month 11	43,35,377	43,354	3,13,946	3,57,299	40,21,431
	Month 12	40,21,431	40,214	3,17,085	3,57,299	37,04,346
Year 2	Month 13	37,04,346	37,043	3,20,256	3,57,299	33,84,091
	Month 14	33,84,091	33,841	3,23,458	3,57,299	30,60,632
	Month 15	30,60,632	30,606	3,26,693	3,57,299	27,33,939
	Month 16	27,33,939	27,339	3,29,960	3,57,299	24,03,979
	Month 17	24,03,979	24,040	3,33,260	3,57,299	20,70,720
	Month 18	20,70,720	20,707	3,36,592	3,57,299	17,34,128
	Month 19	17,34,128	17,341	3,39,958	3,57,299	13,94,170
	Month 20	13,94,170	13,942	3,43,358	3,57,299	10,50,812
	Month 21	10,50,812	10,508	3,46,791	3,57,299	7,04,021
	Month 22	7,04,021	7,040	3,50,259	3,57,299	3,53,762
	Month 23	3,53,762	3,538	3,53,762	3,57,299	0
	Month 24					

5.1 Closing and Opening Stock Calculation

Particulars		Y1	Y2	Y3	Y4	Y5	Y6	Y7
Opening Stock								
Agri Input			-	-	-	-	-	-
Trading			13,34,729	17,51,832	22,07,308	27,03,953	32,44,743	38,32,853
Grain Processing			-	-	-	-	-	-
Horticulture Processing			4,76,141	5,18,041	5,61,427	6,06,341	6,52,827	6,65,884
Total			18,10,870	22,69,873	27,68,735	33,10,294	38,97,570	44,98,737
Closing Stock								
Agri Input	5%	-	-	-	-	-	-	-
Trading	5%	13,34,729	17,51,832	22,07,308	27,03,953	32,44,743	38,32,853	44,71,662
Grain Processing	5%	-	-	-	-	-	-	-
Horticulture Processing	5%	4,76,141	5,18,041	5,61,427	6,06,341	6,52,827	6,65,884	6,79,201
Total		18,10,870	22,69,873	27,68,735	33,10,294	38,97,570	44,98,737	51,50,863

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	22,093	23,198	24,358	25,576	26,854	28,197	29,607	
3	Cleaning & Grading	14	12,73,209	17,41,449	21,97,919	26,95,683	32,37,729	38,27,240	44,67,608	
4	Dal Mill	14	-	-	-	-	-	-	-	
5	Warehouse	14	13,808	15,304	16,915	18,649	20,514	21,539	22,616	
6	Processing Unit - Horti Commodity	14	5,23,524	5,69,594	6,17,297	6,66,681	7,17,793	7,32,149	7,46,792	
	Subtotal		18,32,634	23,49,544	28,56,489	34,06,589	40,02,890	46,09,126	52,66,623	
B	Closing Stock		18,10,870	22,69,873	27,68,735	33,10,294	38,97,570	44,98,737	51,50,863	
	Total		36,43,504	46,19,417	56,25,224	67,16,882	79,00,461	91,07,862	1,04,17,486	
C	Accounts Payable & Accrued Expenses (Creditors)									
1	Agri Input	7	-	-	-	-	-	-	-	
2	Custom Hiring	7	8,170	8,578	9,007	9,458	9,931	10,427	10,948	
3	Cleaning & Grading	7	5,63,137	7,64,715	9,64,884	11,83,159	14,20,849	16,79,350	19,60,150	
4	Dal Mill	7	-	-	-	-	-	-	-	
5	Warehouse	7	1,706	1,791	1,881	1,975	2,074	2,177	2,286	
	Processing Unit - Horti Commodity	7	1,82,629	1,98,701	2,15,342	2,32,569	2,50,399	2,55,407	2,60,516	
	Total		7,55,642	9,73,785	11,91,114	14,27,161	16,83,253	19,47,362	22,33,900	
D	Working Capital		28,87,862	36,45,632	44,34,110	52,89,721	62,17,208	71,60,500	81,83,586	
	Own Contribution	25%	7,21,965							

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

	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Revenue							
Facility 1 - Crumby & Grinding	3,21,92,1383	4,54,00,094	5,79,09,806	7,02,80,316	8,44,12,222	9,97,81,617	11,64,76,921
Facility 2 - Processing Unit - Dal Mill	-	-	-	4,87,303	5,34,823	5,61,664	5,80,642
Facility 3 - Warehouse	3,60,000	3,99,000	4,41,000	4,87,303	5,34,823	5,81,328	7,21,895
Facility 4 - Cumin Mill	5,76,000	6,04,800	6,35,040	6,66,922	7,00,132	7,34,135	-
Facility 5 - Aarti Unit - Core	-	-	-	-	1,82,13,890	1,90,88,167	1,92,60,931
Facility 6 - Processing Unit - Heat Commodity	1,34,49,006	1,45,50,119	1,60,03,816	1,73,81,322	1,82,13,890	1,90,88,167	1,92,60,931
Total Revenue	4,77,79,389	6,12,55,973	7,44,72,751	8,88,14,633	10,43,61,066	12,01,66,486	13,73,08,589
Variable Cost							
Facility 1 - Crumby & Grinding	2,91,63,762	3,98,74,404	4,93,11,823	6,16,01,392	7,40,87,139	8,78,64,725	10,22,07,807
Facility 2 - Processing Unit - Dal Mill	-	-	-	1,07,992	1,08,131	1,13,642	1,19,215
Facility 3 - Warehouse	88,960	93,408	98,078	4,93,148	5,17,806	5,43,606	5,70,881
Facility 4 - Cumin Mill	4,76,000	4,87,300	4,69,665	-	-	-	-
Facility 5 - Aarti Unit - Core	-	-	-	-	1,30,86,643	1,34,17,874	1,38,84,027
Facility 6 - Processing Unit - Heat Commodity	95,22,811	1,07,60,818	1,12,29,537	1,21,26,830	1,27,69,619	1,34,17,874	1,40,81,930
Total Variable Cost	3,94,01,333	5,07,75,931	6,31,08,103	7,44,16,348	8,77,69,619	10,15,41,040	11,64,81,930
Fixed Cost							
Facility 1 - Crumby & Grinding	10,20,000	10,71,000	11,24,500	11,80,278	12,39,816	13,01,807	13,64,985
Facility 2 - Processing Unit - Dal Mill	-	-	-	60,435	72,930	76,577	80,406
Facility 3 - Warehouse	60,000	63,000	66,150	1,11,132	1,16,689	1,22,523	1,28,649
Facility 4 - Cumin Mill	96,000	1,00,800	1,05,840	-	-	-	-
Facility 5 - Aarti Unit - Core	-	-	-	-	7,66,362	7,81,689	7,97,232
Facility 6 - Processing Unit - Heat Commodity	7,08,000	7,22,160	7,56,603	7,51,335	7,66,362	7,81,689	7,97,232
Admin Expenses	18,43,000	19,35,500	20,31,508	21,33,505	22,40,138	23,52,187	24,69,796
Total Fixed Cost	37,27,000	38,22,110	40,55,051	42,46,205	44,55,975	46,54,783	48,43,072
Total Cost	4,31,28,333	5,46,88,041	6,61,73,154	7,86,63,453	9,22,05,594	10,61,76,833	12,13,25,001
Profit Before Depreciation Interest and Tax	46,51,056	65,87,932	81,99,598	1,01,52,180	1,21,55,471	1,39,90,663	1,59,83,387
Depreciation	14,40,716	14,40,716	14,40,716	14,40,716	14,40,716	14,40,716	14,40,716
Amortisation	2,30,000	2,30,000	2,30,000	2,30,000	2,30,000	2,30,000	-
Profit Before Interest and Tax	29,80,340	49,17,217	65,28,882	84,81,464	1,04,84,755	1,25,19,947	1,45,42,672
Interest on Term loan	9,17,590	7,03,636	5,33,093	6,34,767	7,46,065	8,59,290	9,83,030
Profit Before Tax	20,62,750	42,13,580	60,96,789	78,46,697	97,38,690	1,16,90,657	1,35,60,641
Less: Tax	(60,942)	5,76,993	10,28,538	15,06,186	19,93,294	24,83,639	29,47,519
Profit After Tax	21,23,693	36,86,588	50,88,251	63,40,511	77,45,396	92,07,018	1,06,13,122
Dividend @ 25 %	-	5,30,923	9,21,647	13,64,588	15,85,128	18,16,549	22,01,762
Profit After Tax And Dividend	21,23,693	31,55,665	41,36,704	50,75,923	61,60,268	72,90,869	83,11,360

Cumulative Profit

21,23,693	52,79,357	94,16,062	1,44,91,985	2,06,42,253	2,79,22,252	3,62,14,313
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