



Model DPR

ESTABLISHMENT OF
CASHEW PROCESSING
UNIT (WITHOUT CAPITAL
SUBSIDY)

Under Agriculture Infrastructure Scheme

Submitted to



Department of Agriculture,
Cooperation & Farmers Welfare

Submitted by



Knowledge Partner
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CREDIT CITATION

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Our sincere thanks are also due to all others who directly or indirectly helped NABCONS in preparation of this document.



DPR Template for projects under Agriculture Infrastructure Fund¹

1. Details of the Applicant

SN	Particulars	Details
i.	Name of the Applicant	
ii.	Constitution Legal Status of Applicant : (i.e. Govt. organization, NGO, Co-operative society, Company, partnership firm, proprietorship firm, Individual, FPO, Self Help Group, etc.)	To be filled by the applicant
iii.	Registration No. of Applicant/CIN	
iv.	GST No. of Applicant	
v.	Date of Establishment/ Incorporation	
vi.	Address of the registered office	
vii.	PAN No. of Applicant	
viii.	Address of the proposed site	
ix.	District	
x.	State	
xi.	Pin Code	
xii.	Whether lead promoter belong to SC/ ST/ Woman/Minority	

*Details of associates/ allied firms, if any may also be provided.

2. Contact details of the Applicant/Promoter(s)/Partner(s)/Directors(s)/ Members including addresses, telephone, mobile, fax, e-mail, website, PAN etc.

SN	Name of Applicant/ Promoter(s)/ Partner(s)/ Director(s)/ Members	Address	Telephone No.	Mobile No.	E-mail Id	Any other details
1						
2						

To be filled by the applicant

¹ This template is prepared keeping in mind the essential information required by the lending institutions to process the loan application. Different formats of table/description can be used for preparation of the DPR but all the required information in template should be included in the DPR.



3. Details of the Promoter(s)/Partner(s)/Directors(s)/ Members

S N	Name of Promoter(s)/ Partner(s)/ Director(s)/ Members	Aadhaar No.	PAN No.	Academic and technical Qualification	Net Worth	DIN No.	Credit Rating	Date of Share holding	Partner profit sharing ratio
1									
2									

To be filled by the applicant

4. Relative experience of the Applicant/Promoter(s)/Partner(s)/Directors(s)/ Members

S N	Name of lead Applicant/Promoter(s)/Partner(s)/ Members of Applicant Entity	Detail of Experience	Details of Turnover (year-wise)	Supporting Document attached, if any (Yes/No)
1				
2				

To be filled by the applicant

5. Details of Existing Banking and Credit facilities of the Applicant/ Promoter(s)/ Partner(s)/ Directors(s)

S N	Types of Facility	Name of Bank and Branch	Limits	Outstanding as on dd/mm/yyyy	Securities	Rate of interest	Repayment terms	Purpose
1	Cash Credit							
2	Term Loan							
3	Others							

To be filled by the applicant

*Information pertaining to credit rating (internal /external) may also be shared along with the aforementioned information

Details of GST Returns submitted, if any or status of registration



6. Project Details

- a. Objective of the proposed project: CASHEW PROCESSING UNIT
- b. Category of proposed infrastructure as per the Scheme:

SN	Component	Mark Tick (✓)
1	Supply chain	
2	Warehouses	
3	Silos	
4	Pack Houses	
5	Assaying Unit	
6	Sorting & Grading unit	
7	Cold Chain	
8	Logistics facilities	
9	Primary Processing Centres	✓
10	Ripening Chambers	
11	Organic input production	
12	Bio stimulant production unit	
13	Infrastructure for Smart and precision agriculture	
14	Projects identified for providing supply chain infrastructure for clusters of crops including export clusters.	
15	Projects promoted by Central/State/Local Governments or their agencies under PPP for building community farming assets or post-harvest management projects.	
16	Any other (please Specify)	

- c. Type of Operating Model (Rental, PPP, captive, Lease, Franchise etc.) and details

7. Land Details:

SN	Particulars	Details
1	Land Area	3000 sq ft (land considered as Owned/ Leased)
2	Status of Legal title & Possession	To be filled by the applicant, some sample details are added
3	if leased, Period of lease	
4	Coordinates of location	
5	Details of CLU	

SN	Particulars	Details
6	Connectivity to roads I. State Highway (in Km.) II. National Highway (in Km.)	XX Km from YY road
7	Availability of Water	Borewell and water pipe line
8	Availability of Power	State electricity board connection

8. Proposed facilities:

I. Details of proposed facility

S N	Type of facilities proposed to be created	No. of Units	Total Capacity [MT, Ltrs, MT/Hr.	No. of Days of operation
1	Warehouse			
2	Silos			
3	Pack-house			
4	CA Store			
5	Cold store			
6	Frozen store			
7	Pre-cooling Chambers			
8	Processing unit, Weighing, Packing facility [Modify as per actual]	1 Unit	100 KG Per Hour	225 days
9	Ripening Chambers			
10	IQF			
11	Blast Freezing			
12	Refrigerated Vehicles/ Reefer vans			
13	Mobile Pre-coolers			
14	Insulated/ non-insulated distribution vehicle			
15	Irradiation Facility			
16	Organic input production			
17	Bio Stimulant production units			
18	Others (Specify)			

II. Details of technologies to be used/ alternative technologies

Boiler, conveyor belt, hot air dryer

III. Flow chart of activity process

Cashew often referred to as 'wonder nut', is one of the most valuable processed nuts traded on the global commodity markets and is also an important cash crop. Commercial cultivation of cashew is taken up in eight states of our country mainly in west and eastern coast viz., **Andhra Pradesh, Goa, Karnataka, Kerala, Maharashtra, Orissa, Tamil Nadu and West Bengal**. In addition, cashew is also grown in few pockets of Assam, Chhattisgarh, Gujarat, Meghalaya, Nagaland and Tripura. Generally the processing of raw cashew nuts into edible cashew kernel takes the following steps traditional method: roasting, shelling drying, peeling, grading, quality controls, fumigation and packaging. All these steps have to be conducted with care to obtain good quality and good grade kernels.

In order to ensure the quality requirements an avoid contamination of the cashew nuts, preparation takes place under clean, hygienic, and ideal conditions. The following aspects are cleaned regularly: equipment (tubes, knives, etc.), working and drying surfaces (racks, mats, etc.), personnel clothes, and preparing storage rooms.



9. Proposed Project Financials

a. Estimated Project cost details

S. No.	Particulars	Amount (Rs. In Lakhs)
1	Civil Works	16.00
2	Plant & Machineries	8.80
3	Miscellaneous Fixed Assets	00.00
4	Working Capital Margin Money	15.20
5	Preliminary & Preoperative Expenses	01.00
	Project Cost	41.00

b. Plant and Machineries

A list of plant and machinery required for a cashew processing unit are as under:

S.No	Name of Machinery	Qty. in Nos	Price in Rs.
1	Size screening machine	1	20,000
2	Weighing scale	1	25,000
3	Soaking container	1	10,000
4	Cashew cooking system	1	50,000
5	Cashew sorting machine (shelling machine)	1	300,000
6	Dryer	1	200,000
7	Kernel humidifier	1	100,000
8	Nut packaging machine	1	75,000
9	Miscellaneous equipments	1	100,000
Total Machineries (Rs. In Lakhs)		8,80,000	
Total Cost of Plant and Machineries (Rs. In Lakhs)		8.8 Lakhs	

c. Means of finance

S. No.	Source of Finance	Amount (Rs. In Lakhs)	In%
1	*Promoter's Equity (10.00%)	5.545	10.00
2	Term Loan from Bank	45.805	52.93
3	Working Capital Margin Money	15.20	37.07
	Total	55.45	100

*The source of the owned funds and also the capacity of the promoter to support the project in the event of cost escalations due to time overruns should also be mentioned

d. Basic Revenue Projections (₹ in lakh)

SN	Item	Year 1	Year 2	Year 3	Year 4	Year 5
1	Turnover	588.06	700.77	754.68	808.58	862.49
2	Cost of Operations	419.93	473.26	508.41	543.75	579.29
3	Gross Profit	168.13	227.51	246.27	264.83	283.20
4	Earnings Before Interest, Tax, Depreciation and Amortization (EBITDA)	168.13	227.51	246.27	264.83	283.20
5	Profit before taxation	161.404	222.303	241.570	260.609	279.411
6	Profit after taxation	112.682	155.612	169.099	182.426	195.588

*CMA data to be provided along with projected balance sheet, profit & loss statements, covering entire period of repayment.

e. Financial Parameters

SN	Particulars	Details (Ratio/%)	Ref Page No. in DPR*
1	Internal Rate of Return (IRR) [(a) With and (b) without grant/ subsidy]	63.32%	-
2	Avg. Debt Service Coverage Ratio (DSCR)	12.55	-
3	Break Even Point (BEP)	12.50%	-
4	Debt-Equity Ratio (TTL/TNW)	0.306	-
5	Fixed Assets Coverage Ratio	0.612	-

f. Credit Facilities proposed

I. Fund Based

a) Term Loan

21.70 lacs

b) Working Capital

15.20 lacs

(Attach Assessment of working capital, if proposed)

II. Non Fund Based



Collateral Security proposed to be offered and its approximate value for the applicable cases. (To be furnished only in case of loans above Rs.2 crore)

g. Repayment Schedule (Including moratorium period) - 84 Months (Including 6 months Moratorium)

h. Details of Statutory/other approvals/registrations (status) Completed

10. Availability of Raw Materials in the Catchment Area - provide details such as Adequate Volume, Wider Mix of Raw Materials, Days of Operation in a Year along with supporting data. Based on this information feasibility/viability of the project should be justified.

Raw material is to be acquired from nearby farmer suppliers. The unit has agreed to procure the kernel from the farmers at the prices agreed in the agreement.

The unit shall operate for 225 days in a year.

11. Details of the catchment area of the project

S.N	Location of the Catchment (Primary/Secondary)	Name Village/Dist/ APMC	Commodities to be sourced	Quantities to be sourced [MT] (per annum)
1				
2				

*DPR should comprised of detailed chapter on proposed catchment (production and supply statistics).

12. Details of existing demand of the product and marketing arrangements (including e-trading), possibility of for leasing with FCI/CWC/SWC/e-commerce players / retailers for assured cash flows if any.

13. Employment Generation projections

- a. Direct Employment: (Skilled and Semi-skilled): 14
- b. Contractual Employment with no. of days:
- c. Indirect Employment (specify): ...Packing material suppliers, Dealers and Service providers, Local vendors gets indirect employment from this project in rural areas.

Particulars	Nos.	Monthly Salary (Rs.)
Accountant -cum -Cashier	1	22000
Mechanic	4	10000



Particulars	Nos.	Monthly Salary (Rs.)
Helper	3	15000
Labour	4	12000
Security	2	10500
Total salary for the year	14	2112000
Benefits @ 30%		633600
Total salary (Rs. In Lakh Per year)		27.456 lakhs

- Direct Employment: (Skilled and Semi-skilled) -14
- Contractual Employment with no. of days:
- Indirect Employment (specify): 25

14. Details of renewable/ alternate energy sources including solar energy, if any, proposed to be used for operating the project including inter alia, details of power generation.

50% of power requirement will be fulfilled by renewable energy

15. Details of pollution issues (if any) and adoption of modern technology for reducing the carbon footprints and increasing operational efficiency:-

SN	Name of technology/item	Basic cost (Excluding taxes etc.)	How the technology will help in reducing carbon footprint and/or increase in operational efficiency
1			
2			To be filled by the applicant

16. List of Manufacturers/ Suppliers of P&M (enclose quotations)

I certify that the information / contents as above furnished by me / us are true to the best of my / our knowledge and belief and nothing material has been concealed. In case, any information furnished in the application is found false, my / our application may be rejected out at any stage by the Bank and not eligible under Agriculture Infrastructure Fund scheme.

Date: _____

Signature of the Applicant

Place: _____



Annexures

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DPR without subsidy

Annexure 1 - Estimated cost of the project

Estimated cost of project		
Sr. No.	Particulars	Grand Total (in lakhs)
1	Land and site development	
(a)	Land (Lease in name of company)	-
	Total	-
2	Site Development	-
(a)	Total	-
3	Civil Work	
(a)	Civil Work	16.00
	Total	16.00
4	Plant and Machinery (indegenuous)	
(a)	Plant and Machinery	8.80
	Total	8.80
5	Miscellanoeous Fixed Assets	
(a)	Cost	-
6	Working Capital Margin	15.20
7	Preliminary Expenses	-
(a)	Security Deposit	-
	Total	-
8	Pre-Operative Expense (for 6 months upto the date od commencement of commercial production)	
(a)	Establishment and Travelling and Other Expenses	
(b)	Legal and Misc Expense	1.00
	Total	1.00
	Total Cost of Project	41.00

Annexure 2 - Means of Finance

Sr. No.	Item	Grand Total (in lakhs)
1	Promoter's equity	4.100
2	Eligible Assistance	-
3	Term Loan	21.700
4	CC Limit	15.20
	Total	41.00

Annexure 3 - Complete Estimate of Civil and Plant and Machinery

1. Civil Work		Units	Amt	
1	Civil work for building	1	1,600,000	
Total Civil Work			1,600,000	
2. Plant and machinery**		Units	Capacity	Amt
1	Size screening machine	1		20,000
2	Weighing scale	1		25,000
3	Soaking container	1		10,000
4	Cashew cooking system	1		50,000
5	Cashew sorting machine (shelling machine)	1	100 kg per hr	300,000
6	Dryer	1		200,000
7	Kernel humidifier	1		100,000
8	Nut packaging machine	1		75,000
9	Miscellaneous equipments			100,000
Total Plant and Machinery				880,000
Total fixed Assets				2,480,000

** The Plant and Machinery cost estimate is as per the available technology

Annexure 4 - Estimated Cost of Production

Sr. No	Description	Year ending March 31st								
		I	II	III	IV	V	VI	VII	VIII	IX
	No of Working months	12	12	12	12	12	12	12	12	12
	Input cashew kernel	30,600,000	34,807,500	37,485,000	40,162,500	42,840,000	45,517,500	48,195,000	50,872,500	53,550,000
	Electricity expense	1,930,000	2,014,000	2,102,200	2,194,810	2,292,051	2,394,153	2,501,361	2,613,929	2,732,125
	Insurance cost @ 2% of purchase cost	49,600	52,080	54,684	57,418	60,289	63,304	66,469	69,792	73,282
	Running and Manintenance expense @20% of raw material	6,120,000	6,961,500	7,497,000	8,032,500	8,568,000	9,103,500	9,639,000	10,174,500	10,710,000
	Cost of Production	38,699,600	43,835,080	47,138,884	50,447,228	53,760,340	57,078,457	60,401,829	63,730,721	67,065,407
	Add: Opening Stock	-	475,200	990,000	1,544,400	2,138,400	2,772,000	2,098,800	1,386,000	633,600
	Less: Closing Stock	475,200	990,000	1,544,400	2,138,400	2,772,000	2,098,800	1,386,000	633,600	-
	Sub Total	38,224,400	43,320,280	46,584,484	49,853,228	53,126,740	57,751,657	61,114,629	64,483,121	67,699,007
	Administrative salaries and wages	2,745,600	2,937,792	3,143,437	3,363,478	3,598,922	3,850,846	4,120,405	4,408,834	4,717,452
	Packaging cahrges @ Rs. 5 per kg	534,600	579,150	623,700	668,250	712,800	772,650	818,100	863,550	907,200
	Selling charges @ Rs. 2.5 per kg	267,300	289,575	311,850	334,125	356,400	386,325	409,050	431,775	453,600
	Fixed charge for office	480,000	480,000	480,000	480,000	480,000	480,000	480,000	480,000	480,000
	Total	4,027,500	4,286,517	4,558,987	4,845,853	5,148,122	5,489,821	5,827,555	6,184,159	6,558,252
	Cost of Sales	42,251,900	47,606,797	51,143,471	54,699,081	58,274,861	63,241,478	66,942,185	70,667,280	74,257,259
	Expected sales revenue	48,114,000	57,335,850	61,746,300	66,156,750	70,567,200	76,492,350	80,991,900	85,491,450	89,812,800
	Gross Profit	5,862,100	9,729,053	10,602,829	11,457,669	12,292,339	13,250,872	14,049,715	14,824,170	15,555,541
	Financial expense									
	Interest on Term Loan	128,948	112,673	92,642	72,612	52,581	32,550	12,519	-	-
	Interest on WC Loan	152,000	152,000	152,000	152,000	152,000	152,000	152,000	152,000	152,000
	Total Financial expense	280,948	264,673	244,642	224,612	204,581	184,550	164,519	152,000	152,000
	Operating profits (PBT)	5,581,152	9,464,380	10,358,186	11,233,057	12,087,758	13,066,322	13,885,196	14,672,170	15,403,541
	Preliminary Expense	100,000	-	-	-	-	-	-	-	-
	depreciation	292,000	256,200	224,970	197,705	173,881	153,048	134,814	118,844	104,844
	Net Profit before Tax	5,189,152	9,208,180	10,133,216	11,035,353	11,913,877	12,913,275	13,750,382	14,553,327	15,298,698
	Income Tax	1,586,746	2,762,454	3,039,965	3,310,606	3,574,163	3,873,982	4,125,115	4,365,998	4,589,609
	Profits after Tax	3,602,406	6,445,726	7,093,251	7,724,747	8,339,714	9,039,292	9,625,267	10,187,329	10,709,088
	Distribution of profits (80%)	2,881,925	5,156,581	5,674,601	6,179,798	6,671,771	7,231,434	7,700,214	8,149,863	8,567,271
	Profit transfer to balance sheet	720,481	1,289,145	1,418,650	1,544,949	1,667,943	1,807,858	1,925,053	2,037,466	2,141,818

1. Electricity are semi-fixed cost. Rs. 250,000 pa is fixed, balance is variable at Rs. 14 per unit usage

2. Electricity usage in units is given below

Usage in units	120000	126000	132300	138915	145860.75	153153.7875	160811.4769	168852.0507	177294.6533
Variable cost	1680000	1764000	1852200	1944810	2042050.5	2144153.025	2251360.676	2363928.71	2482125.146

3. It is assumed that insurance cost is 2% of purchase price and this will increase 5% annually

4. Closing stock is valued at Rs 440 (avg cost)

5. Input cost of kernel would increase 10% per annum while 5% of input is wasted.

Annexure 5- Projected balance sheet

Projected Balance sheet

Sr. No	Description	Year ending March 31st								
		I	II	III	IV	V	VI	VII	VIII	IX
A	Asset									
1	Fixed Capital expenditure									
	Gross Block	2,480,000.00	2,188,000.00	1,931,800.00	1,706,830.00	1,509,125.50	1,335,244.68	1,182,197.17	1,047,382.88	928,539.20
	Less- Depreciation	292,000.00	256,200.00	224,970.00	197,704.50	173,880.83	153,047.50	134,814.30	118,843.68	104,843.50
	Net Block	2,188,000.00	1,931,800.00	1,706,830.00	1,509,125.50	1,335,244.68	1,182,197.17	1,047,382.88	928,539.20	823,695.70
2	Sundry debtors	9,622,800.00	11,467,170	12,349,260	13,231,350	14,113,440	15,298,470	16,198,380	17,098,290	17,962,560
3	Closing stock	475,200.00	990,000	1,544,400	2,138,400	2,772,000	2,098,800	1,386,000	633,600	-
4	Cash/ bank balance	3,383,558.19	3,750,587	4,587,771	5,484,389	6,440,577	8,519,706	11,022,518	13,995,217	16,975,109
	Total assets	15,669,558.19	18,139,557	20,188,261	22,363,265	24,661,261	27,099,174	29,654,281	32,655,647	35,761,364
B	Liabilities									
1	Capital	410,000.00	1,130,481	2,419,626	3,838,277	5,383,226	7,051,169	8,859,027	10,784,081	12,821,547
	Add- Profit	720,481.27	1,289,145	1,418,650	1,544,949	1,667,943	1,807,858	1,925,053	2,037,466	2,141,818
	Less- Drawings	-	-	-	-	-	-	-	-	-
	Closing capital	1,130,481.27	2,419,626	3,838,277	5,383,226	7,051,169	8,859,027	10,784,081	12,821,547	14,963,364
2	Term Loan	2,003,076.92	1,669,231	1,335,385	1,001,538	667,692	333,846	-	-	-
3	Working capital	1,520,000.00	1,520,000	1,520,000	1,520,000	1,520,000	1,520,000	1,520,000	1,520,000	1,520,000
4	Creditors	11,016,000.00	12,530,700	13,494,600	14,458,500	15,422,400	16,386,300	17,350,200	18,314,100	19,278,000
	Total liabilities	15,669,558.19	18,139,557	20,188,261	22,363,265	24,661,261	27,099,174	29,654,281	32,655,647	35,761,364
	Current Ratio									
	Current Assets	13,481,558	16,207,757	18,481,431	20,854,139	23,326,017	25,916,976	28,606,898	31,727,107	34,937,669
	Current Liabilities	12,536,000	14,050,700	15,014,600	15,978,500	16,942,400	17,906,300	18,870,200	19,834,100	20,798,000
	Ratio	1.075427424	1.153519556	1.23089735	1.305137471	1.376783488	1.447366368	1.515982766	1.599624254	1.67985713
	Average				1.376066201					
	Debt Equity ratio									
	Debt	3,523,077	3,189,231	2,855,385	2,521,538	2,187,692	1,853,846	1,520,000	1,520,000	1,520,000
	Equity	1,130,481	2,419,626	3,838,277	5,383,226	7,051,169	8,859,027	10,784,081	12,821,547	14,963,364
	Ratio	3.116439891	1.318067406	0.743923592	0.468406567	0.310259523	0.209260686	0.140948498	0.118550441	0.101581434
	Average				0.725270893					
	Fixed asset coverage ratio									
	Fixed assets	2,188,000	1,931,800	1,706,830	1,509,126	1,335,245	1,182,197	1,047,383	928,539	823,696
	Debt	3,523,077	3,189,231	2,855,385	2,521,538	2,187,692	1,853,846	1,520,000	1,520,000	1,520,000
	ratio	0.621048035	0.605726001	0.597758351	0.598493944	0.610343909	0.63769972	0.689067683	0.610881051	0.541905063
	Average				0.612547084					
	Debt service coverage ratio									
	Interest on loan (TL + WC)	280,948	264,673	244,642	224,612	204,581	184,550	164,519	152,000	152,000
	Instalment of loan	1,686,923	1,853,846	1,853,846	1,853,846	1,853,846	1,853,846	1,853,846	1,520,000	1,520,000
	Total Interest	1,967,871	2,118,519	2,098,488	2,078,458	2,058,427	2,038,396	2,018,365	1,672,000	1,672,000
	Net operating income	5,862,100	9,729,053	10,602,829	11,457,669	12,292,339	13,250,872	14,049,715	14,824,170	15,555,541
	Ratio	2.97890438	4.592383613	5.052602744	5.512582133	5.971714967	6.50063647	6.960937516	8.866130674	9.303553283
	Average				5.367108832					

1. assumed that 90 days of purchases are average creditors maintained
2. assumed that 60 days of sales are average debtors maintained by the business

Annexure 8 - Details of Manpower

Details of Manpower

S. No.	Designation	In no.	Salary per person per month	Annual cost
i.	Accountant cum cashier	1	22,000	264,000
ii.	Mechanic	4	10,000	480,000
iii.	Helpers	3	15,000	540,000
iv.	Labour	4	12,000	576,000
v.	Security	2	10,500	252,000
Total				2,112,000
Add: benefits @ 30%				633,600
Total				2,745,600

Total annual wages	2,745,600
Annual increase in wages	7%
Total manpower	14

Annexure 9 - Computation of Depreciation

Computation of Depreciation

Sr. No.	Particulars	Civil work	Plant and Machinery	Misc Fixed Asset	Amount in lakhs
i.	Cost	1,600,000	880,000	-	24.80
ii.	Pre operatives	-	-	-	0.00
iii.	Contingencies	-	-	-	0.00
	Total				24.80

	Rates of Depreciation	10%	15%	10%	Total depreciation for the year
Year 1		160,000.00	132,000.00	-	292,000.00
Year 2		144,000.00	112,200.00	-	256,200.00
Year 3		129,600.00	95,370.00	-	224,970.00
Year 4		116,640.00	81,064.50	-	197,704.50
Year 5		104,976.00	68,904.83	-	173,880.83
Year 6		94,478.40	58,569.10	-	153,047.50
Year 7		85,030.56	49,783.74	-	134,814.30
Year 8		76,527.50	42,316.18	-	118,843.68
Year 9		68,874.75	35,968.75	-	104,843.50

Annexure 10 - Calculation of Income tax

Calculation of Income Tax

Particulars	Year ending March 31st								
	I	II	III	IV	V	VI	VII	VIII	IX
Net profit before tax	5,581,152	9,464,380	10,358,186	11,233,057	12,087,758	13,066,322	13,885,196	14,672,170	15,403,541
Add- dep on SLM	-	-	-	-	-	-	-	-	-
Sub total	5,581,152	9,464,380	10,358,186	11,233,057	12,087,758	13,066,322	13,885,196	14,672,170	15,403,541
Less- Dep on WDV	292,000	256,200	224,970	197,705	173,881	153,048	134,814	118,844	104,844
Sub total	5,289,152	9,208,180	10,133,216	11,035,353	11,913,877	12,913,275	13,750,382	14,553,327	15,298,698
Less - Deductions	-	-	-	-	-	-	-	-	-
Taxable profits	5,289,152	9,208,180	10,133,216	11,035,353	11,913,877	12,913,275	13,750,382	14,553,327	15,298,698
Income tax @30%	1,586,746	2,762,454	3,039,965	3,310,606	3,574,163	3,873,982	4,125,115	4,365,998	4,589,609

Annexure 11- Break even analysis (At maximum capacity utilization)

Break even capacity at maximum capacity utilization

Sales		68,734,286
Variable cost		
- Running and maintenance cost	13,746,857	
- Interest on Working capital	152,000	
- electricity expense	2,482,125	16,380,982
Contribution		52,353,303
Less: Fixed costs		
Wages and salaries		2,745,600
Depreciation		292,000
Fixed charges for office		480,000
Electricity fixed charge		250,000
Insurance cost		49,600
Interest on TL		128,948
Fixed cost		3,946,148

Particulars	Rs. per kg
Sales price per kg	450
Variable costs	
Input kernel cost	297.5
Electricity cost	9.33
Running and maintenance	59.5
Packing charges	5
Selling expense	2.5
Interest on working capital	0.84
Contribution per unit	75.32222222
BEP in kgs	52,390.22
Total BEP %	29.11%

Break-even point is the condition when an entity generate sufficient revenue that it can meet its fixed expense after deducting any variable expense, i.e., the point where contribution is equal to the fixed expense.

For the first year of operation the break-even capacity comes at 29.11% capacity, it is because of the fact that in the Initial year the fixed expense of consultancy for project is taken in to consideration for calculation of BEP. considering our operational capacity in year 1 to be 60% which is more than the BEP, hence we can conclude that the project is sound enough to cover its fixed expense.

Annexure 13 - Repayment schedule

Repayment schedule

Amount of Loan (in lakhs)	21.7000
Rate of interest	6.00%
Moratorium period	6 months

Year	Quarter	Balance outstanding	Principal instalment	Interest
1	1	21.70	0	0.3255
	2	21.70	0	0.3255
	3	21.70	0.834615385	0.3255
	4	20.86538462	0.834615385	0.31298
2	1	20.03076923	0.834615385	0.30046
	2	19.19615385	0.834615385	0.28794
	3	18.36153846	0.834615385	0.27542
	4	17.52692308	0.834615385	0.2629
3	1	16.69230769	0.834615385	0.25038
	2	15.85769231	0.834615385	0.23787
	3	15.02307692	0.834615385	0.22535
	4	14.18846154	0.834615385	0.21283
4	1	13.35384615	0.834615385	0.20031
	2	12.51923077	0.834615385	0.18779
	3	11.68461538	0.834615385	0.17527
	4	10.85	0.834615385	0.16275
5	1	10.01538462	0.834615385	0.15023
	2	9.180769231	0.834615385	0.13771
	3	8.346153846	0.834615385	0.12519
	4	7.511538462	0.834615385	0.11267
6	1	6.676923077	0.834615385	0.10015
	2	5.842307692	0.834615385	0.08763
	3	5.007692308	0.834615385	0.07512
	4	4.173076923	0.834615385	0.0626
7	1	3.338461538	0.834615385	0.05008
	2	2.503846154	0.834615385	0.03756
	3	1.669230769	0.834615385	0.02504
	4	0.834615385	0.835	0.01252

Annexure 14 - Cash flow statement

Particulars	0	I	II	III	IV	V	VI	VII	VIII	IX
opening balance	1,520,000	1,520,000	3,383,558	3,750,587	4,587,771	5,484,389	6,440,577	8,519,706	11,022,518	13,995,217
Add: Capital	410,000	-	-	-	-	-	-	-	-	-
Add: Loan disbursement	2,170,000	-	-	-	-	-	-	-	-	-
Less: Purchase of asset	2,480,000	-	-	-	-	-	-	-	-	-
Less: Land purchase	-	-	-	-	-	-	-	-	-	-
Add: Sales realizations	-	38,491,200	45,868,680	49,397,040	52,925,400	56,453,760	61,193,880	64,793,520	68,393,160	71,850,240
Less: Payment made to creditors of previos year	-	-	11,016,000	12,530,700	13,494,600	14,458,500	15,422,400	16,386,300	17,350,200	18,314,100
Add: Receipts from debtors of previos year	-	-	9,622,800	11,467,170	12,349,260	13,231,350	14,113,440	15,298,470	16,198,380	17,098,290
Less: Payments made for current year purchase	-	31,711,100	35,590,897	38,203,271	40,834,581	43,486,061	46,181,978	48,879,185	51,600,780	54,345,659
Less: Pre incorporation expense	100,000	-	-	-	-	-	-	-	-	-
Less: Interest payments	-	280,948	264,673	244,642	224,612	204,581	184,550	164,519	152,000	152,000
	1,520,000	8,019,152	12,003,468	13,636,183	15,308,639	17,020,357	19,958,969	23,181,692	26,511,078	30,131,989
Less: Income tax	-	1,586,746	2,762,454	3,039,965	3,310,606	3,574,163	3,873,982	4,125,115	4,365,998	4,589,609
	-	6,432,406	9,241,014	10,596,219	11,998,033	13,446,194	16,084,986	19,056,578	22,145,080	25,542,379
Less: Distrubutions made from profits	-	2,881,925	5,156,581	5,674,601	6,179,798	6,671,771	7,231,434	7,700,214	8,149,863	8,567,271
	-	3,550,481	4,084,433	4,921,618	5,818,235	6,774,423	8,853,553	11,356,364	13,995,217	16,975,109
Less: Principal repayment of loan	-	166,923	333,846	333,846	333,846	333,846	333,846	333,846	-	-
Closing cash balance	1,520,000	3,383,558	3,750,587	4,587,771	5,484,389	6,440,577	8,519,706	11,022,518	13,995,217	16,975,109

S. no. Assumptions

- 1 Electricity are semi-fixed cost. Rs. 250,000 pa is fixed, balance is variable at Rs. 14 per unit usage
- 2 Electricity usage in units is given below

Usage in units	120000	126000	132300	138915	145860.75	153153.7875	160811.4769	160811.4769	160811.4769
Variable cost	1680000	1764000	1852200	1944810	2042050.5	2144153.025	2251360.676	2251360.676	2251360.676

- 3 Assumed that 90 days of purchases are average creditors maintained
- 4 Assumed that 60 days of sales are average debtors maintained by the business
- 5 It is assumed that insurance cost is 2% of purchase price and this will increase 5% annually
- 6 Input cost of cashew kernel would increase 10% per annum and there would be 5% wastage in processing on inputs



(Wholly – owned subsidiary of NABARD)

- i. More than 200 Full-time Consultants**
- ii. Backed by 400 domain specialists**
- iii. Executed over 2500 assignments across India and in African and Asian Continents**
- iv. Core Competencies**
 - a. Preparation/Appraisals of DPRs**
 - b. Techno-feasibility study**
 - c. Baseline Surveys**
 - d. Project Management Consultancy**
 - e. Climate Issues and Green Funds**
 - f. Monitoring and Evaluation**
 - g. Impact Assessment Studies**
 - h. Third Party Monitoring of Infrastructural Projects**
 - i. Skills for Livelihood**
 - j. Capacity Building**
 - k. Accreditation of Rural Godowns**
 - l. Climate Change Issues**
 - m. CSR Facilitation**
 - n. IT in Rural Banks**

Pro - Services Rendered by NABCONS

No.	Name of Services	Description
1	Project Management Consultancy (PMC)	Entails provision of end-to-end solution, including assistance in statutory approvals, bid process management, issuing and evaluating tender documents and supervision over infrastructure projects like Mega Food Park, Rural Godowns, Cold Storage, etc. funded by Govt. or private entities.
2	Preparation of Detailed Project Report / Conduct / Techno-economic Feasibility	For various activities under agriculture, horticulture, forestry, fisheries, irrigation, animal husbandry, food processing activities, agri-infrastructure, climate issues, etc.
3	Third Party Monitoring (TPM) of Infrastructure Projects	TPM of various Govt.-funded infra projects to assess the level of compliance followed in execution. This also covers socio-economic impact evaluation.
4	Monitoring and Evaluation (M&E)	M & E is undertaken for various developmental schemes of Govt. of India and State Govts in the areas of agriculture, animal husbandry and all other socio-development sectors.
5	Training and Capacity Building	Training is imparted on forward markets, agriculture market infrastructure, rural godown, agri-financing, treasury and investment management for banks, etc.
6	Studies / Baseline Surveys	Baseline surveys are taken up for measuring impact of community investment made by public and private sector Companies. Studies are conduct on women, children, disadvantaged groups / regions, etc.
7	Livelihood Mapping	Livelihood mapping and analysis is done for identification of potential activities to be taken up by SHGs
8	International Visitors' Programme / International Exposure Visits	Entails organizing study tours / exposure for the visiting foreign delegates to their areas of interest such as watershed, micro-finance, fin-inclusion, cooperatives, projects appraisal, agro-processing, post-harvest technologies, farmers' clubs, etc.
9	Consultancy on Banking and Finance	Designing and execution of priority sector strategies, advisory services on Treasury and Investment Management for Banks, preparation of IT Policy, etc.
10	Transaction advisory	Transaction Advisory for setting up of Agri-mall, Silos & Cold Storages
11	Skills for Livelihood	Skilling of rural BPL youth and placement in the formal sector, monitoring skill initiatives of MORD, Govt. of India, facilitating access to credit for trainees, etc.
12	Accreditation of Godowns	Engaged by WDRA as Accreditation Agency for accrediting rural godowns.