

Submitted to



Department of Agriculture, Cooperation & Farmers Welfare Submitted by



Knowledge Partner
NABARD Consultancy Services
Corporate Office: 24 Rajendra Place,
7th Floor, NABARD Building, New Delhi
Registered Office: Plot No. C-24, G Block,
3rd Floor, NABARD Building, Bandra Kurla Complex,
Bandra East, Mumbai



#### **DISCLAIMER**

This document has been prepared by NABARD Consultancy Services (NABCONS) Private Ltd for Department of Agriculture, Cooperation & Farmers Welfare as a professional Consultancy agency.

The views expressed and the conclusions arrived at in this document, including financial, are based on the data and information provided by various Government Departments and agencies, overall policy and approach of the State Government, discussions with the stakeholders at various levels as also the observations recorded by NABCONS during the study. Being only advisory in nature, such views and conclusions do not represent or reflect, in any way, the policy or views of NABARD.

NABCONS / NABARD accept no liability, financial or otherwise, or any deemed financial commitment whatsoever on any view, observation or conclusion expressed herein.



#### **CREDIT CITATION**

Preparation of this document has been possible with broad-based support and cooperation from various stakeholders. NABARD Consultancy Services hereby, sincerely and gratefully acknowledges the support and valuable co-operation extended by them.

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 Fund<sup>1</sup>

#### 1. Details of the Applicant

To be filled by the applicant

SN	Particulars	Details
i.	Name of the Applicant	
ii.	Constitution Legal Status of Applicant : (i.e. Govt. organization, NGO, Cooperative society, Company, partnership firm, proprietorship firm, Individual, FPO, Self Help Group, etc.)	
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	

<sup>\*</sup>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 Aplicant/ Promoter(s)/ Partner(s)/ Director(s)/ Members	Address	Telephone No.	Mobile No.	E-mail Id	Any other details
1						
				To be filled	by the applican	t

<sup>&</sup>lt;sup>1</sup> 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.



2				

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

Name of Promoter(s )/ Partner(s)/ Director(s)/ Members	Aadha rNo.	а	PA N No.	Academi c and technical Qualifica tion	Net Wort h	DI N No	Credi t Ratin g	Date of Share holdin g	Partne r profit sharin g ratio
	_								
			To be	filled by the app	plicant				
	Promoter(s)/ Partner(s)/ Director(s)/	Promoter(s rNo. )/ Partner(s)/ Director(s)/	Promoter(s rNo. )/ Partner(s)/ Director(s)/	Promoter(s )/ Partner(s)/ Director(s)/ Members	Promoter(s )/ Partner(s)/ Director(s)/ Members  rNo. N No. c and technical Qualifica tion	Promoter(s rNo. N c and Wort h lechnical h lector(s)/ Qualification	Promoter(s )/ No. Partner(s)/ Director(s)/ Members No. No. Promoter(s of technical Qualification No. No. No. Partner(s)/ No.	Promoter(s   rNo.   N   c and technical Qualification   No.   Month technical Qualification   No.   Rating g	Promoter(s )/ No. Partner(s)/ Director(s)/ Members

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

SN	Name of lead Applicant/Promoter(s Members of Applican		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	Type s of Facili ty	Name of Bank and Branch	Limi ts	Outstandi ng as on dd/mm/yy yy	Securi ties	Rate of intere st	Repayme nt terms	Purpo se
1	Cash Credit							
2	Term Loan			To be filled b	y the applica	ant		
3	Other s							

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

#### 6. Details of GST Returns submitted, if any or status of registration

#### 7. Project Details

- a. Objective of the proposed project: GRAIN GRADING AND WAREHOUSE
- **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 and drying 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

#### 8. Land Details:

SN	Particulars	Details
1	Land Area	
2	Status of Legal title & Possession	
3	if leased, Period of lease	
4	Coordinates of location	
5	Details of CLU	
6	Connectivity to roads  I. State Highway (in Km.)  II. National Highway (in Km.)	To be filled by the applicant
7	Availability of Water	
8	Availability of Power	

## 9. 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	1	1000 MT	
2	Silos			
3	Pack-house			
4	CA Store			
5	Cold store			
6	Frozen store			



S N	Type of facilities proposed to be created	No. of Units	Total Capacity [MT, Ltrs, MT/Hr.	No. of Days of operation
7	Pre-cooling Chambers			
8	Assaying, Sorting, Grading, Waxing, Weighing, Packing facility [Modify as peractual]	1	3000 MT	
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) [Drying]	1	1500 MT	

- II. Details of technologies to be used/ alternative technologies
- III. Flow chart of activity process

# 10. Detailed timeline for construction of proposed project and proposed date for commencement of operation

SN	Activity	Activity Time (in weeks)	Total time (in weeks)
1	Civil Construction	24	24
2	Purchase and installation of machine	8	32
3	Test Production	4	36
	Final Production	36 weeks	

#### 11. Proposed Project Financials

a. Estimated Project cost details

SN	Items	Amount (₹ in lakhs)
1	Site Development	20



SN	Items	Amount (₹ in lakhs)
2	Civil Works	
3	Technical Civil Works/Errection etc.	
4	Plant & Machinery (P&M)	32.00
5	Fixed cost on power supply connection or/ and Generator set/solar system etc.	
6	Common Utilities like Water/ETP/ STP, etc.	
7	Pre-operative Expenses	0.51
8	Interest During Construction	
9	Working capital	4.49
10	Add other items not listed above(Service Centre Infrastructure)	2.5
	Total Project Cost	59.50

#### **b.** Means of finance

SN	Items	Amount (₹ in lakhs)	Percentage (%)
1	*Promoter's Equity	5.95	10%
2	Capital Subsidy/ Benefit from other Central/ State Scheme		
3	Loan (TL +CC)	53.50	90%
	Total	67.50	

<sup>\*</sup>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

#### **c.** Basic Revenue Projections (₹ in lakh)

SN	Item	Year 1	Year 2	Year 3	Year 4	Year 5
1	Turnover	147.00	168.75	180.00	191.25	202.50
2	Cost of Operations	58.91	67.74	71.56	75.48	79.51
3	Gross Profit	88.09	101.01	108.44	115.77	122.99
4	Earnings Before Interest, Tax, Depreciation and Amortization (EBITDA)	88.09	101.01	108.44	115.77	122.99
5	Profit before taxation	78.787	93.387	101.951	110.315	118.488



6	Profit after taxation	54.998	65.371	71.366	77.220	82.942	
---	-----------------------	--------	--------	--------	--------	--------	--

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

#### d. Financial Parameters

SN	Particulars	Details (Ratio/%)	Ref Page No. in DPR*
1	Internal Rate of Return (IRR) [(a) With and (b) without grant/ subsidy]	89.37%	-
2	Avg. Debt Service Coverage Ratio (DSCR)	7.18	-
3	Break Even Point (BEP)	18.90%	-
4	Debt-Equity Ratio ( TTL/TNW)	0.67	-
5	Fixed Assets Coverage Ratio	0.39	-

- e. Credit Facilities proposed
  - I. Fund Based

a) Term Loan 49.06 Lakhs

b) Working Capital 4.49 lakhs (Attach Assessment of working capital, if proposed)

- II. Non Fund Based
- **f.** 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)
- **h.** Details of Statutory/other approvals/registrations (status)
- 12. 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.



#### 13. 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				

<sup>\*</sup>DPR should comprised of detailed chapter on proposed catchment (production and supplystatistics).

14. 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.

Currently there are no facility of grading/assaying present in 20 km of the operating area.

- 15. Employment Generation projections
  - a. Direct Employment: (Skilled and Semi-skilled).....10......
  - 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.
- 16. 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.
- 17. 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 inreducing carbon footprint and/or increase in operational efficiency
1			
2			



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

l best	Certify that the int	ormation / contents as above furnished	d by me / us are true to the
inform	nationfurnished in tl	nd belief and nothing material has been ne application is found false, my / our ap ank and not eligible under Agriculture Ir	oplication may be rejected
		To be filled by the applicant	
Date: Applic			Signature of the
Place	:		



# Annexures

#### **Contents Table**

Contents	Link
Annexure 1 - Estimated cost of the project	Ann 1'!A1
Annexure 2 - Means of Finance	Ann 2' !A1
Annexure 3 - Complete Estimate of Civil and Plant and Machinery	Ann 3'!A1
Annexure 4 - Estimated Cost of Production	Ann 4' !A1
Annexure 5- Projected balance sheet	Ann 5'!A1
Annexure 8 - Details of Manpower	Ann 8' !A1
Annexure 9 - Computation of Depreciation	Ann 9' !A1
Annexure 10 - Calculation of Income tax	Ann 10'!A1
Annexure 11- Break even analysis (At maximum capacity utilization)	Ann 11'!A1
Annexure 13 - Repayment schedule	Ann 13'!A1
Assumptions	Assumptions !A1
Cash flow statement	Cash flows'!A1
Sales Budget	Budgets!A1

#### DPR without subsidy

#### Annexure 1 - Estimated cost of the project

#### Estimated cost of project

		Grand Total (in
Sr. No.	Particulars	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	20.00
	Total	20.00
4	Plant and Machinery (indegenous)	
(a)	Plant and Machinery	32.00
	Total	32.00
5	Miscellanoeus Fixed Assets	
(a)	Cost	-
6	Working Capital Margin	4.49
7	Preliminary Expenses	-
(a)	Security Deposit	-
	Total	
8	Pre-Operative Expense	
	(for 6 months upto the date od commencement of commercial production)	
(a)	Establisment and Travelling and Other Expenses	0.51
(b)	Legal and Misc Expense	-
	Total	0.51
9	Service Centre Infrastructure	2.50
	Total Cost of Project	59.50

#### Annexure 2 - Means of Finance

Sr. No.	Item	Grand Total (in lakhs)
	1 Promoter's equity	5.95
	2 Eligible Assistance	-
	3 Term Loan	49.06
	4 CC Limit	4.49
	Total Project cost	59.50

Annexure 3 - Complete Estimate of Civil and Plant and Machinery

1. Civil Work	Units	Amt
1 Building, steel and wooden work	1	2,000,000
Total Civil Work		2,000,000
2. Plant and machinery	Units	Amt
1 Grain elevator	1	
2 Moisture tester	1	
3 Dryer	1	
4 Gravity separator	1	
5 Aspirator	1	
6 Destoner	1	
7 Washer	1	
8 Grain grader	1	
9 Tempering tank	1	3,200,000
Total Plant and Machinery		3,200,000
Total fixed Assets		5,200,000

#### 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
	Electricity expense	870,000	1,222,500	1,277,625	1,335,506	1,396,282	1,460,096	1,527,100	1,527,100	1,527,100
	Insurance cost @ 2% of purchase cost	64,000	67,200	70,560	74,088	77,792	81,682	85,766	90,054	94,557
	Drying cost (fixed Rs. 5 lakhs)	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
	Running and Manintenance expense @20% of sales	2,940,000	3,375,000	3,600,000	3,825,000	4,050,000	4,275,000	4,500,000	4,500,000	4,500,000
	Cost of Production	4,374,000	5,164,700	5,448,185	5,734,594	6,024,074	6,316,778	6,612,867	6,617,155	6,621,658
	Sub Total	4,374,000	5,164,700	5,448,185	5,734,594	6,024,074	6,316,778	6,612,867	6,617,155	6,621,658
	Administrative salaries and wages	1,317,360	1,409,575	1,508,245	1,613,823	1,726,790	1,847,666	1,977,002	2,115,392	2,263,470
	Fixed ofice expenses	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
	Total	1,517,360	1,609,575	1,708,245	1,813,823	1,926,790	2,047,666	2,177,002	2,315,392	2,463,470
1										
	Cost of Sales	5,891,360	6,774,275	7,156,430	7,548,417	7,950,864	8,364,443	8,789,869	8,932,547	9,085,127
	Expected sales revenue	14,700,000	16,875,000	18,000,000	19,125,000	20,250,000	21,375,000	22,500,000	22,500,000	22,500,000
	Gross Profit	8,808,640	10,100,725	10,843,570	11,576,583	12,299,136	13,010,557	13,710,131	13,567,453	13,414,873
	Financial expense									
	Interest on Term Loan	291,530	254,735	209,448	164,162	118,876	73,590	28,304	-	-
	Interest on WC Loan	44,900	44,900	44,900	44,900	44,900	44,900	44,900	44,900	44,900
	total	336,430	299,635	254,348	209,062	163,776	118,490	73,204	44,900	44,900
	Operating profits (PBT)	8,472,210	9,801,090	10,589,221	11,367,521	12,135,360	12,892,067	13,636,927	13,522,553	13,369,973
	Preliminary Expense	51,000	-	-	-	-	-	-	-	-
	depreciation	542,500	462,375	394,144	336,035	286,541	244,380	208,461	177,856	151,776
	Net Profit before Tax	7,878,710	9,338,715	10,195,077	11,031,486	11,848,819	12,647,687	13,428,467	13,344,697	13,218,197
	Income Tax	2,378,913	2,801,615	3,058,523	3,309,446	3,554,646	3,794,306	4,028,540	4,003,409	3,965,459
	Profits after Tax	5,499,797	6,537,101	7,136,554	7,722,040	8,294,173	8,853,381	9,399,927	9,341,288	9,252,738
	Distribution of profits (80%)	4,399,838	5,229,681	5,709,243	6,177,632	6,635,339	7,082,705	7,519,941	7,473,030	7,402,190
	Profit transfer to balance sheet	1,099,959	1,307,420	1,427,311	1,544,408	1,658,835	1,770,676	1,879,985	1,868,258	1,850,548

<sup>1.</sup> Electricity are semi-fixed cost. Rs. 120,000 pa is fixed, balance is variable at Rs. 10 per unit usage

<sup>2.</sup> Electricity usage in units is given below

Usage in units	75000	78750	82687.5	86821.875	91162.96875	95721.11719	100507.173	100507.173	100507.173
Variable cost	750000	1102500	1157625	1215506.25	1276281.563	1340095.641	1407100.423	1407100.423	1407100.423

<sup>3.</sup> It is assumed that insuarance cost is 2% of purchase price and this will increase 5% annually

#### Annexure 5- Projected balance sheet

Projected Baalance sheet

		Year ending March 31st								
Sr. No	Description	I	II	III	IV	v	VI	VII	VIII	IX
A	Asset									
	Fixed Capital expenditure									
	Gross Block	3,700,000	3,157,500.00	2,695,125.00	2,300,981.25	1,964,946.56	1,678,405.83	1,434,026.08	1,225,565.18	1,047,709.11
	Less- Depreciation	542,500	462,375.00	394,143.75	336,034.69	286,540.73	244,379.75	208,460.90	177,856.07	151,775.53
	net Block	3,157,500	2,695,125.00	2,300,981.25	1,964,946.56	1,678,405.83	1,434,026.08	1,225,565.18	1,047,709.11	895,933.59
	3 Sundry debtors	1,225,000	1,406,250	1,500,000	1,593,750	1,687,500	1,781,250	1,875,000	1,875,000	1,875,000
	4 Cash/ bank balance	2,999,635	3,921,280	4,948,160	6,035,180	7,188,364	8,412,547	9,711,530	11,780,708	13,807,711
	Total assets	7,382,135	8,022,655	8,749,142	9,593,877	10,554,270	11,627,823	12,812,095	14,703,418	16,578,645
В	Liabilities									
	1 Capital	595,000	1,694,959	3,002,380	4,429,690	5,974,098	7,632,933	9,403,609	11,283,595	13,151,852
	Add- Profit	1,099,959	1,307,420	1,427,311	1,544,408	1,658,835	1,770,676	1,879,985	1,868,258	1,850,548
	Less- Drawings	-	-	-	-	-	-	-	-	-
	Closing capital	1,694,959	3,002,380	4,429,690	5,974,098	7,632,933	9,403,609	11,283,595	13,151,852	15,002,400
:	2 term Loan	4,528,615	3,773,846	3,019,077	2,264,308	1,509,538	754,769	-	-	-
	3 Working capital	449,000	449,000	449,000	449,000	449,000	449,000	449,000	449,000	449,000
	4 Creditors	709,560	797,429	851,374	906,470	962,798	1,020,444	1,079,500	1,102,565	1,127,245
	Total liabilities	7,382,135	8,022,655	8,749,142	9,593,877	10,554,270	11,627,823	12,812,095	14,703,418	16,578,645
	Current Ratio									
	Current Assets	4,224,635	5,327,530	6,448,160	7,628,930	8,875,864	10,193,797	11,586,530	13,655,708	15,682,711
	Current Liabilities	709,560	797,429	851,374	906,470	962,798	1,020,444	1,079,500	1,102,565	1,127,245
	Ratio	5.953879642	6.680881429	7.573825926	8.416082517	9.218819197	9.989567411	10.73323388	12.38539561	13.91242519
	Average				9.429345644					
	Debt Equity ratio									
	Debt	4,977,615	4,222,846	3,468,077	2,713,308	1,958,538	1,203,769	449,000	449,000	449,000
	Equity	1,694,959	3,002,380	4,429,690	5,974,098	7,632,933	9,403,609	11,283,595	13,151,852	15,002,400
	Ratio	2.936716494	1.406499759	0.782916323	0.454178603	0.256590544	0.128011404	0.04	0.03	0.03
	Average				0.674308182					
	Fixed asset coverage ratio									
	Fixed assets	3,157,500	2,695,125	2,300,981	1,964,947	1,678,406	1,434,026	1,225,565	1,047,709	895,934
	Debt	4,977,615	4,222,846	3,468,077	2,713,308	1,958,538	1,203,769	449,000	449,000	449,000
	ratio	0.634339891	0.638224766	0.663474687	0.724188623	0.856968531	-	-	-	-
					0.390799611					
	Debt service coverage ratio									
	Interest on loan (TL + WC)	336,430	299,635	254,348	209,062	163,776	118,490	73,204	44,900	44,900
	Instalment of loan	826,385	1,203,769	1,203,769	1,203,769	1,203,769	1,203,769	1,203,769	449,000	449,000
	Total	1,162,814	1,503,404	1,458,118	1,412,832	1,367,545	1,322,259	1,276,973	493,900	493,900
	Net operating income	8,808,640	10,100,725	10,843,570	11,576,583	12,299,136	13,010,557	13,710,131	13,567,453	13,414,873
	ratio	7.575277088	6.718570546	7.436690188		8.993585108	9.839641493	-	-	
	*** *	,.5,52,7000	21, 223, 3340	,,5100	1 212/300///00	0.775505100	7.0370.11473			

Average 7.783602146

<sup>1.</sup> asssumed that 60 days of purchases are average creditors maintained

<sup>2.</sup> assumed that 30 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.	Supervisor	1	14,000	168,000				
ii.	Accountant (Part time)	1	12,000	144,000				
iii.	Worker	3	10,000	360,000				
iv.	Labour/ helper	3	9,000	324,000				
v.	Security	2	8,400	201,600				
Total		-		1,197,600				
Add: b	Add: benefits @ 10% 119,760							
Total				1,317,360				

Total annual wages	1,317,360
Annual increase in wages	7%
Total manpower	10

#### Annexure 9 - Computation of Depreciation

## Computation of Depreciation

Sr. No.	Particulars	Building and civil work	Plant and Machinery	Misc Fixed Asset	Amount in lakhs
i.	Cost	250,000	3,450,000	-	37.00
ii.	Pre operatives	-	-	-	0.00
iii.	Contingencies	-	-	-	0.00
	Total				37.00

	Rates of Depreciation	10%	15%	10%	Total depreciation for the year
Year	1	25,000.00	517,500.00	-	542,500.00
Year	2	22,500.00	439,875.00	-	462,375.00
Year	3	20,250.00	373,893.75	-	394,143.75
Year	4	18,225.00	317,809.69	-	336,034.69
Year	5	16,402.50	270,138.23	-	286,540.73
Year	6	14,762.25	229,617.50	-	244,379.75
Year	7	13,286.03	195,174.87	-	208,460.90
Year	8	11,957.42	165,898.64	-	177,856.07
Year	9	10,761.68	141,013.85	1	151,775.53

#### Annexure 10 - Calculation of Income tax

#### Calculation of Income Tax

		Year ending March 31st								
Particulars	I	II	III	IV	V	VI	VII	VIII	IX	
Net profit before tax	8,472,210	9,801,090	10,589,221	11,367,521	12,135,360	12,892,067	13,636,927	13,522,553	13,369,973	
Add- dep on SLM	-	-	-	-	-	-	-	-	-	
Sub total	8,472,210	9,801,090	10,589,221	11,367,521	12,135,360	12,892,067	13,636,927	13,522,553	13,369,973	
Less- Dep on WDV	542,500	462,375	394,144	336,035	286,541	244,380	208,461	177,856	151,776	
Sub total	7,929,710	9,338,715	10,195,077	11,031,486	11,848,819	12,647,687	13,428,467	13,344,697	13,218,197	
Less - Deductions	-	-	-	-	-	-	-	-	-	
Taxable profits	7,929,710	9,338,715	10,195,077	11,031,486	11,848,819	12,647,687	13,428,467	13,344,697	13,218,197	
Income tax @30%	2,378,913	2,801,615	3,058,523	3,309,446	3,554,646	3,794,306	4,028,540	4,003,409	3,965,459	

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

#### Break even capacity at maximum capacity utilization

Sales		21,000,000
Variable cost		
- Running and maintenance cost	2,100,000	
- Interest on Working capital	44,900	
- electricity expense	1,407,100	3,552,000
Contribution		17,448,000
Less: Fixed costs		
Wages and salaries		1,317,360
Depreciation		542,500
Electricity fixed charge		120,000
Fixed cost - Drying		500,000
Fixed office expense		200,000
Interest on TL		291,530
Fixed cost		2,971,390

Particulars	Rs. per kg	Rs. Per month per k	g
Sales price per kg	1.25	10	
Variable cost			
Running and maintenance cost	0.25	2	
Electricity cost	0.111607143	0.223214286	
Interest on working capital	0.11	0.34	
	0.7761	7.4400	
Contribution %	62.09%	74.40%	
Sales mix	48%	52%	
Contribution proportionate	29.62%	38.91%	68.53%
BEP in rs.			4,335,960
Total sales at 100% capacity	9,000,000	12,000,000	21,000,000
BEP in %			20.65%
BEP in rs. (Grading)	2068252.69		
BEP in rs. (Storage)	2267706.82		
BEP in kgs (Grading)	1654602.15		
BEP in kgs (Storage)	226770.68		
BEP in % (Grading)	22.98%		
BEP in %(Storage)	18.90%		

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 22.65% 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 75% 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)

Rate of interest 6.00%
Moratorium period 6 months

49.06

Year	Quarter	Balance outstanding	Principal instalment	Interest
	1	49.06	0	0.7359
1	2	49.06	0	0.7359
1	3	49.06	1.886923077	0.7359
	4	47.17307692	1.886923077	0.7076
	1	45.28615385	1.886923077	0.67929
2	2	43.39923077	1.886923077	0.65099
	3	41.51230769	1.886923077	0.62268
	4	39.62538462	1.886923077	0.59438
	1	37.73846154	1.886923077	0.56608
3	2	35.85153846	1.886923077	0.53777
3	3	33.96461538	1.886923077	0.50947
	4	32.07769231	1.886923077	0.48117
	1	30.19076923	1.886923077	0.45286
4	2	28.30384615	1.886923077	0.42456
4	3	26.41692308	1.886923077	0.39625
	4	24.53	1.886923077	0.36795
	1	22.64307692	1.886923077	0.33965
5	2	20.75615385	1.886923077	0.31134
5	3	18.86923077	1.886923077	0.28304
	4	16.98230769	1.886923077	0.25473
	1	15.09538462	1.886923077	0.22643
6	2	13.20846154	1.886923077	0.19813
	3	11.32153846	1.886923077	0.16982
	4	9.434615385	1.886923077	0.14152
	1	7.547692308	1.886923077	0.11322
	2	5.660769231	1.886923077	0.08491
7	3	3.773846154	1.886923077	0.05661
	4	1.886923077	1.89	0.0283

#### Sales Budget

	Year ending March 31st								
Particulars	I	II	III	IV	V	VI	VII	VIII	IX
Estimated ocupational capacity	70%	75%	80%	85%	90%	95%	100%	100%	100%
Grading capacity (kgs)	5,040,000	5,400,000	5,760,000	6,120,000	6,480,000	6,840,000	7,200,000	7,200,000	7,200,000
Storage capacity (kgs)	840,000	900,000	960,000	1,020,000	1,080,000	1,140,000	1,200,000	1,200,000	1,200,000
Grading Revenue	6,300,000	7,425,000	7,920,000	8,415,000	8,910,000	9,405,000	9,900,000	9,900,000	9,900,000
Storage Revenue	8,400,000.00	9,450,000.00	10,080,000.00	10,710,000.00	11,340,000.00	11,970,000.00	12,600,000.00	12,600,000.00	12,600,000.00

#### Production budget

Grading and cleaning capacity per annum 7,200,000 kgs
Storage 1,200,000 kgs
Operational days/ months 365 days/ 12 months

Products		Revenue per kg per/ per month	Unit	
Grading capacity	7,200,000	1.250	per kg	
Storage capacity	1,200,000	10	per kg per month	

Revenue from grading would increase 10% annually and from storage would increase by 5% annually

#### Cash flow statement

Particulars	0	I	II	III	IV	V	VI	VII	VIII	IX
opening balance	449,000	2,199,000	2,999,635	3,921,280	4,948,160	6,035,180	7,188,364	8,412,547	9,711,530	11,780,708
Add: Capital	595,000	-	-	=	=	-	-	=	-	=
Add: Loan disbursement	4,906,000	-	-	-	-	-	-	-	-	-
Less: Purchase of asset	3,700,000	-	-	-	-	-	-	-	-	-
Add: Sales realizations	-	13,475,000	15,468,750	16,500,000	17,531,250	18,562,500	19,593,750	20,625,000	20,625,000	20,625,000
Less: Payment made to creditors of previos year	=	-	709,560	797,429	851,374	906,470	962,798	1,020,444	1,079,500	1,102,565
Add: Receipts from debtors of previos year	=	-	1,225,000	1,406,250	1,500,000	1,593,750	1,687,500	1,781,250	1,875,000	1,875,000
Less: Payments made for current year purchase	-	5,181,800	5,976,846	6,305,056	6,641,946	6,988,066	7,343,999	7,710,368	7,829,982	7,957,882
Less: Pre incorporation expense	51,000	-								
Less: Interest payments	-	336,430	299,635	254,348	209,062	163,776	118,490	73,204	44,900	44,900
	2,199,000	10,155,770	12,707,344	14,470,696	16,277,027	18,133,118	20,044,327	22,014,780	23,257,148	25,175,361
Less: Income tax	-	2,378,913	2,801,615	3,058,523	3,309,446	3,554,646	3,794,306	4,028,540	4,003,409	3,965,459
	-	7,776,857	9,905,730	11,412,173	12,967,581	14,578,472	16,250,021	17,986,240	19,253,739	21,209,902
Less: Distrubutions made from profits	-	4,399,838	5,229,681	5,709,243	6,177,632	6,635,339	7,082,705	7,519,941	7,473,030	7,402,190
	-	3,377,019	4,676,049	5,702,930	6,789,949	7,943,133	9,167,316	10,466,299	11,780,708	13,807,711
Less: Principal repayment of loan	-	377,385	754,769	754,769	754,769	754,769	754,769	754,769	-	-
Closing cash balance	2,199,000	2,999,635	3,921,280	4,948,160	6,035,180	7,188,364	8,412,547	9,711,530	11,780,708	13,807,711

#### S. no. Assumptions

- 1 Electricity are semi-fixed cost. Rs. 120,000 pa is fixed, balance is variable at Rs. 10 per unit usage
- 2 Electricity usage in units is given below
- 3 Asssumed that 30 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 insuarance cost is 7% of purchase price and this will increase 5% annually

Usage in units	75000	78750	82687.5	86821.875	91162.96875	95721.11719	100507.173	100507.173	100507.173
Variable cost	750000	1102500	1157625	1215506.25	1276281.563	1340095.641	1407100.423	1407100.423	1407100.423



#### (Wholly - owned subsidiary of NABARD)

- i. More than 100 Full-time Consultants
- ii. Backed by 400 domain specialists
- iii. Executed over 1700 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
  - I. 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 Govtfunded infra projects to assess the level of compliance followed in execution. This also covers socioeconomic 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, microfinance, fin-inclusion, cooperatives, projects appraisal, agroprocessing, 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.