



MODEL DPR

ESTABLISHMENT OF RICE MILL (WITHOUT CAPITAL SUBSIDY)

under Agriculture Infrastructure Fund Scheme

Submitted to



Department of Agriculture,
Cooperation & Farmers Welfare

Submitted by



Knowledge Partner
NABARD Consultancy Services
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APLE

PROJECT REPORT:

DAL MILL

DPR Template for projects under Agriculture Infrastructure Fund¹

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, Co-operative 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	

*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						

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.

2									
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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									
To be filled by the applicant									
2									

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				
To be filled by the applicant				
2				

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							
To be filled by the applicant								

2	Term Loan							
3	Others							

*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: DAL MILL SETUP
- 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:**

To be filled by the applicant, some sample details are added

SN	Particulars	Details
1	Land Area	4500 sq ft
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.)	XX Km from YY road
7	Availability of Water	Borewell and water pipe line
8	Availability of Power	1. 05 kw RSEB 2. 15 kw Diesel Generator set

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	Assaying, Sorting, Grading, Waxing, Weighing, Packing facility [Modify as per actual]	1 Unit	1 ton Per Hour	300 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 Granulator

III. Flow chart of activity process

9. Proposed Project Financials

a. Estimated Project cost details

S. No.	Particulars	Amount (Rs. In Lakhs)
1	Land & Land Development	22.50
2	Civil Works	7.00
3	Plant & Machineries	110.00
4	Miscellaneous Fixed Assets	2.00
5	Working Capital Margin Money	3.60
6	Preliminary & Preoperative Expenses	0.40
	Project Cost	145.50

b. **Plant and Machineries**

A list of plant and machinery required for a dal mill are as under:

S.No	Name of Machinery	Qty. in Nos	Price in Rs.
1	Gravity separator	1	11,00,000
2	Destoner	1	
3	Dal grader	1	
4	Chakki with emery stone	1	
5	Bucket Elevators	1	
6	Tray drier	1	
7	Colour sorter	1	
8	Weighing machine at platform	1	
9	Form fill and seal machine	1	
Total Machineries (Rs. In Lakhs)		1,10,00,000	
Total Cost of Plant and Machineries (Rs. In Lakhs)		110.00 lakhs	

c. Means of finance

S. No.	Source of Finance	Amount (Rs. Lakhs)	In%
1	*Promoter's Equity (10.00%)	14.55	10.00
2	Term Loan from Bank	104.85	72.06
3	Land cost	22.50	15.46
4	Working Capital Margin Money	3.60	2.47
	Total	145.50	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

c. Basic Revenue Projections (₹ in lakh)

SN	Item	Year 1	Year 2	Year 3	Year 4	Year 5
1	Turnover	457.13	538.76	574.68	610.59	646.51
2	Cost of Operations	384.56	411.73	438.97	466.27	493.64
3	Gross Profit	72.57	127.02	135.71	144.32	152.87
4	Earnings Before Interest, Tax, Depreciation and Amortization (EBITDA)	72.57	127.02	135.71	144.32	152.87
5	Profit before taxation	48.175	106.387	118.225	129.671	140.770
6	Profit after taxation	33.603	74.471	82.757	90.769	98.539


*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]	92%	-
2	Avg. Debt Service Coverage Ratio (DSCR)	5.46	-
3	Break Even Point (BEP)	25.74%	-
4	Debt-Equity Ratio (TTL/TNW)	0.63	-
5	Fixed Assets Coverage Ratio	0.86	-

- e. Credit Facilities proposed
- I. Fund Based
- a) Term Loan 104.85 lacs
- b) Working Capital 3.60 lacs
 (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) - 84 Months (12 months of Moratorium included)
- 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.

Machine	Description	Image
Gravity Separator	<ul style="list-style-type: none"> It's used to separate particulate matter within an air suspension using their weight difference. 	

<p>Destoner</p>	<ul style="list-style-type: none"> • It's a machine designed to remove stones from the pulses. 	
<p>Dehusker/ chakki</p>	<ul style="list-style-type: none"> • It's a machine which utilizes emery rollers to remove outer skin of pulses. • The pulse or grain is simply pressed in-between emery rollers to break outer shell to liberate inner Endosperm 	
<p>Dal Grader</p>	<ul style="list-style-type: none"> • It's a machine which is used to separate whole dehusked pulse from husk. • Aspirator type machines utilize compressed air for cleaning purpose. 	
<p>Form fill and seal machine</p>	<ul style="list-style-type: none"> • Used for the packaging of finally processed dal. 	

Raw material is to be acquired from nearby farmer suppliers. The mill has agreed to procure the cereal/pulses from the farmers at the prices agreed in the agreement.

The mill shall operate for 300 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 comprise 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.

Setting up flour mill will allow farmers to engage in value addition & more profits.

13. Employment Generation projections

- Direct Employment: (Skilled and Semi-skilled): 7
- Contractual Employment with no. of days:
- 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	18000
Mechanic	1	9500
Labour	3	12000
Security	2	9000
Total salary for the year	7	12,06,000
Benefits @ 20%		2,41,200
Total salary (Rs. In Lakh Per year)		14.472

- Direct Employment: (Skilled and Semi-skilled) -7
- Contractual Employment with no. of days: 0 (300 days)
- Indirect Employment (specify): 20

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			

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.

To be filled by the applicant

Date: _____

Signature of the Applicant

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 Mnpower	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
Annexure 14 - Cash flow statement	Ann 14'!A1
Assumptions	Assumptions!A1
Sales Budget	Budgets!A1

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)	1.50
	Total	1.50
2	Site Development	-
(a)	Total	-
3	Civil Work	
(a)	Civil Work	5.00
	Total	5.00
4	Plant and Machinery (indigenous)	
(a)	Plant and Machinery	85.00
	Total	85.00
5	Miscellaneous Fixed Assets	
(a)	Cost	3.78
6	Working Capital Margin	5.59
7	Preliminary Expenses	-
(a)	Security Deposit	-
	Total	
8	Pre-Operative Expense (for 6 months upto the date of commencement of commercial production)	
(a)	Establishment and Travelling and Other Expenses	
(b)	Legal and Misc Expense	2.00
	Total	2.00
9	Service Centre Infrastructure	-
10	Contingencies	1.135
	Total Cost of Project	104.00

Annexure 2 - Means of Finance

Sr. No.	Item	Grand Total (in lakhs)
1	Promoter's equity	
	Land	1.50
	Project Margin	10.40
2	Eligible Assistance	-
3	Term Loan	86.52
4	CC Limit	5.59
	Total	104.00

Annexure 3 - Complete Estimate of Civil and Plant and Machinery

1. Civil Work		Units	Amt
1	Civil work for building	1	500,000
Total Civil Work			500,000
2. Plant and machinery		Units	Amt
1	Butterfly separator	1	
2	Destoner	1	
3	Paddy dehusker	1	
4	Rubber sheller	1	
5	Rice whitener	1	
6	Rice drum grader	1	
7	Bucket elevator	1	
8	Weighing machine at platform	1	
9	Form fill and seal machine	1	8,500,000
Total Plant and Machinery			8,500,000
3. Miscellaneous Fixed Asset			378000
Total fixed Assets			9,378,000

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
	Input paddy cost	235,094,400	251,886,857	268,679,314	285,471,771	302,264,229	319,056,686	335,849,143	335,849,143	335,849,143
	Electricity expense	600,000	625,000	651,250	678,813	707,753	738,141	770,048	770,048	770,048
	Insurance cost @ 2% of purchase cost	170,000	178,500	187,425	196,796	206,636	216,968	227,816	239,207	251,167
	Running and Maintenance expense @10% of sales	26,406,761	29,435,778	31,398,163	33,360,548	35,322,934	37,285,319	39,247,704	39,247,704	39,247,704
	Cost of Production	262,271,161	282,126,135	300,916,152	319,707,929	338,501,551	357,297,113	376,094,711	376,106,102	376,118,062
	Add: Opening Stock	-	1,950,413	4,040,141	6,269,184	8,637,542	11,145,216	8,498,227	5,711,923	2,925,619
	Less: Closing Stock	1,950,413	4,040,141	6,269,184	8,637,542	11,145,216	8,498,227	5,711,923	2,925,619	139,315
	Sub Total	260,320,748	280,036,407	298,687,109	317,339,570	335,993,878	359,944,102	378,881,015	378,892,406	378,904,366
	Administrative salaries and wages	1,603,800	1,683,990	1,768,190	1,856,599	1,949,429	2,046,900	2,149,245	2,256,708	2,369,543
	Fixed charge for office	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
	Total	1,803,800	1,883,990	1,968,190	2,056,599	2,149,429	2,246,900	2,349,245	2,456,708	2,569,543
	Cost of Sales	262,124,548	281,920,397	300,655,299	319,396,169	338,143,307	362,191,002	381,230,260	381,349,113	381,473,909
	Expected sales revenue	264,067,608	294,357,780	313,981,632	333,605,484	353,229,336	372,853,188	392,477,040	392,477,040	392,477,040
	Gross Profit	1,943,060	12,437,383	13,326,333	14,209,315	15,086,029	10,662,186	11,246,780	11,127,927	11,003,131
	Financial expense									
	Interest on Term Loan	514,099	449,213	369,353	289,493	209,633	129,773	49,912	-	-
	Interest on WC Loan	55,850	55,850	55,850	55,850	55,850	55,850	55,850	55,850	55,850
	Total Financial expense	569,949	505,063	425,203	345,343	265,483	185,623	105,763	55,850	55,850
	Operating profits (PBT)	1,373,111	11,932,320	12,901,131	13,863,972	14,820,547	10,476,563	11,141,017	11,072,077	10,947,281
	Preliminary Expense	200,000	-	-	-	-	-	-	-	-
	depreciation	1,374,150	1,172,985	1,001,499	855,290	730,610	624,271	533,558	456,159	390,106
	Net Profit before Tax	(201,039)	10,759,335	11,899,632	13,008,683	14,089,937	9,852,292	10,607,459	10,615,918	10,557,175
	Income Tax/ savings on tax	(312)	3,227,801	3,569,890	3,902,605	4,226,981	2,955,688	3,182,238	3,184,775	3,167,152
	Profits after Tax	(200,727)	7,531,535	8,329,742	9,106,078	9,862,956	6,896,604	7,425,221	7,431,142	7,390,022
	Distribution of profits (40%)	-	3,012,614	3,331,897	3,642,431	3,945,182	2,758,642	2,970,089	2,972,457	2,956,009
	Profit transfer to balance sheet	(200,727)	4,518,921	4,997,845	5,463,647	5,917,773	4,137,963	4,455,133	4,458,685	4,434,013

1. Electricity are semi-fixed cost. Rs. 100,000 pa is fixed, balance is variable at Rs. 10 per unit usage

2. Electricity usage in units is given below

Usage in units	50000	52500	55125	57881.25	60775.3125	63814.07813	67004.78203	67004.78203	67004.78203
Variable cost	500000	525000	551250	578812.5	607753.125	638140.7813	670047.8203	670047.8203	670047.8203

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 38 (avg cost)

Annexure 5- Projected balance sheet

Projected Baalance 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	9,641,500	8,267,350.00	7,094,365.00	6,092,866.00	5,237,576.28	4,506,965.99	3,882,694.63	3,349,136.63	2,892,977.70
	Less- Depreciation	1,374,150	1,172,985.00	1,001,499.00	855,289.73	730,610.28	624,271.36	533,558.01	456,158.93	390,106.24
	net Block	8,267,350	7,094,365.00	6,092,866.00	5,237,576.28	4,506,965.99	3,882,694.63	3,349,136.63	2,892,977.70	2,502,871.46
2	Sundry debtors	22,005,634	24,529,815	26,165,136	27,800,457	29,435,778	31,071,099	32,706,420	32,706,420	32,706,420
3	Closing stock	1,950,413	4,040,141	6,269,184	8,637,542	11,145,216	8,498,227	5,711,923	2,925,619	139,315
4	Cash/ bank balance	20,893,903	23,944,479	27,874,266	31,984,330	36,284,526	43,853,235	51,787,716	59,488,864	67,099,288
	Total assets	53,117,300	59,608,800	66,401,452	73,659,906	81,372,486	87,305,256	93,555,196	98,013,881	102,447,894
B	Liabilities									
1	Capital	1,190,000	989,273	5,508,194	10,506,039	15,969,686	21,887,459	26,025,422	30,480,555	34,939,240
	Add- Profit	(200,727)	4,518,921	4,997,845	5,463,647	5,917,773	4,137,963	4,455,133	4,458,685	4,434,013
	Less- Drawings	-	-	-	-	-	-	-	-	-
	Closing capital	989,273	5,508,194	10,506,039	15,969,686	21,887,459	26,025,422	30,480,555	34,939,240	39,373,253
2	term Loan	7,986,000	6,655,000	5,324,000	3,993,000	2,662,000	1,331,000	-	-	-
3	Working capital	558,500	558,500	558,500	558,500	558,500	558,500	558,500	558,500	558,500
4	Creditors	43,583,527	46,887,106	50,012,913	53,138,720	56,264,527	59,390,334	62,516,141	62,516,141	62,516,141
	Total liabilities	53,117,300	59,608,800	66,401,452	73,659,906	81,372,486	87,305,256	93,555,196	98,013,881	102,447,894
	Current Ratio									
	Current Assets	44,849,950	52,514,435	60,308,586	68,422,329	76,865,520	83,422,561	90,206,059	95,120,903	99,945,023
	Current Liabilities	44,142,027	47,445,606	50,571,413	53,697,220	56,823,027	59,948,834	63,074,641	63,074,641	63,074,641
	Ratio	1.016037389	1.106834524	1.192543029	1.274224801	1.3527178	1.391562695	1.430147796	1.508068879	1.584551591
	Average				1.317409834					
	Debt Equity ratio									
	Debt	8,544,500	7,213,500	5,882,500	4,551,500	3,220,500	1,889,500	558,500	558,500	558,500
	Equity	989,273	5,508,194	10,506,039	15,969,686	21,887,459	26,025,422	30,480,555	34,939,240	39,373,253
	Ratio	8.637151807	1.309594462	0.559916061	0.285008739	0.147139053	0.07260209	0.018323157	0.015984893	0.014184756
	Average				1.228878335					
	Fixed asset coverage ratio									
	Fixed assets	8,267,350	7,094,365	6,092,866	5,237,576	4,506,966	3,882,695	3,349,137	2,892,978	2,502,871
	Debt	8,544,500	7,213,500	5,882,500	4,551,500	3,220,500	1,889,500	558,500	558,500	558,500
	ratio	0.96756393	0.983484439	1.035761326	1.150736301	1.399461572	-	-	-	-
	Average				0.615223063					
	Debt service coverage ratio									
	Interest on loan (TL + WC)	569,949	505,063	425,203	345,343	265,483	185,623	105,763	55,850	55,850
	Instalment of loan	1,224,000	1,889,500	1,889,500	1,889,500	1,889,500	1,889,500	1,889,500	558,500	558,500
	Total	1,793,949	2,394,563	2,314,703	2,234,843	2,154,983	2,075,123	1,995,263	614,350	614,350
	Net operating income	1,943,060	12,437,383	13,326,333	14,209,315	15,086,029	10,662,186	11,246,780	11,127,927	11,003,131
	ratio	1.083119013	5.194010537	5.757255291	6.358083331	7.00053449	5.138099398	-	-	-
	Average				5.078600532					

1. assumed that 60 days of purchases are average creditors maintained
2. assumed that 30 days of sales are average debtors maintained by the business

Annexure 8 - Details of Mnpower

Details of Manpower

S. No.	Designation	In no.	Salary per person per month	Annual cost
i.	Factory manager	1	25,000	300,000
ii.	Accountant cum cashier	1	12,000	144,000
iii.	Mechanic	3	7,500	270,000
iv.	Security	2	6,000	144,000
v.	Labour	5		600,000
Total				1,458,000
Add: benefits @ 10%				145,800
Total				1,603,800

See note

Total annual wages	1,603,800
Annual increase in wages	5%
Total manpower	12

Note- It is assumed that some of the labour remains even in the off days, considering working days to be 300 days

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	500,000	8,500,000	378,000	93.78
ii.	Pre operatives	-	-	-	0.00
iii.	Contingencies	-	-	113,500	1.14
	Total				94.92

	Rates of Depreciation	10%	15%	10%	Total depreciation for the year
Year 1		50,000.00	1,275,000.00	49,150.00	1,374,150.00
Year 2		45,000.00	1,083,750.00	44,235.00	1,172,985.00
Year 3		40,500.00	921,187.50	39,811.50	1,001,499.00
Year 4		36,450.00	783,009.38	35,830.35	855,289.73
Year 5		32,805.00	665,557.97	32,247.32	730,610.28
Year 6		29,524.50	565,724.27	29,022.58	624,271.36
Year 7		26,572.05	480,865.63	26,120.33	533,558.01
Year 8		23,914.85	408,735.79	23,508.29	456,158.93
Year 9		21,523.36	347,425.42	21,157.46	390,106.24

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	1,373,111	11,932,320	12,901,131	13,863,972	14,820,547	10,476,563	11,141,017	11,072,077	10,947,281
Add- dep on SLM	-	-	-	-	-	-	-	-	-
Sub total	1,373,111	11,932,320	12,901,131	13,863,972	14,820,547	10,476,563	11,141,017	11,072,077	10,947,281
Less- Dep on WDV	1,374,150	1,172,985	1,001,499	855,290	730,610	624,271	533,558	456,159	390,106
Sub total	(1,039)	10,759,335	11,899,632	13,008,683	14,089,937	9,852,292	10,607,459	10,615,918	10,557,175
Less - Deductions	-	-	-	-	-	-	-	-	-
Taxable profits	(1,039)	10,759,335	11,899,632	13,008,683	14,089,937	9,852,292	10,607,459	10,615,918	10,557,175
Income tax @30%	(312)	3,227,801	3,569,890	3,902,605	4,226,981	2,955,688	3,182,238	3,184,775	3,167,152

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

Break even capacity at maximum capacity utilization

Sales		377,239,440
Variable cost		
- Running and maintenance cost	18,861,972	
- Interest on Working capital	-	
- electricity expense	670,048	19,532,020
Contribution		357,707,420
Less: Fixed costs		
Wages and salaries		1,603,800
Insurance		170,000
Depreciation		1,374,150
Fixed charges for office		200,000
Electricity fixed charge		100,000
Interest on TL		514,099
Fixed cost		3,962,049

Particulars	Rs. per kg
Sales price per kg	35
Variable costs	
Inut paddy cost	19.8
Electricity cost	0.05
Running and maintenance	3.5
Interest on working capital	-
Contribution per unit	11.6486978
BEP in kgs	340,128.04
Total BEP %	2.60%

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 11.31% 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)	86.515
Rate of interest	6.00%
Moratorium period	6 months

Year	Quarter	Balance outstanding	Principal instalment	Interest
1	1	86.52	0	1.29773
	2	86.52	0	1.29773
	3	86.52	3.3275	1.29773
	4	83.1875	3.3275	1.24781
2	1	79.86	3.3275	1.1979
	2	76.5325	3.3275	1.14799
	3	73.205	3.3275	1.09808
	4	69.8775	3.3275	1.04816
3	1	66.55	3.3275	0.99825
	2	63.2225	3.3275	0.94834
	3	59.895	3.3275	0.89843
	4	56.5675	3.3275	0.84851
4	1	53.24	3.3275	0.7986
	2	49.9125	3.3275	0.74869
	3	46.585	3.3275	0.69878
	4	43.2575	3.3275	0.64886
5	1	39.93	3.3275	0.59895
	2	36.6025	3.3275	0.54904
	3	33.275	3.3275	0.49913
	4	29.9475	3.3275	0.44921
6	1	26.62	3.3275	0.3993
	2	23.2925	3.3275	0.34939
	3	19.965	3.3275	0.29948
	4	16.6375	3.3275	0.24956
7	1	13.31	3.3275	0.19965
	2	9.9825	3.3275	0.14974
	3	6.655	3.3275	0.09982
	4	3.3275	3.33	0.04991

Annexure 14 - Cash flow statement

Particulars	0	I	II	III	IV	V	VI	VII	VIII	IX
opening balance	558,500	558,500	20,893,903	23,944,479	27,874,266	31,984,330	36,284,526	43,853,235	51,787,716	59,488,864
Add: Capital	1,190,000	-	-	-	-	-	-	-	-	-
Add: Loan disbursement	8,651,500	-	-	-	-	-	-	-	-	-
Less: Purchase of asset	9,491,500	-	-	-	-	-	-	-	-	-
Less: Land purchase	150,000	-	-	-	-	-	-	-	-	-
Add: Sales realizations	-	242,061,974	269,827,965	287,816,496	305,805,027	323,793,558	341,782,089	359,770,620	359,770,620	359,770,620
Less: Payment made to creditors of previous year	-	-	43,583,527	46,887,106	50,012,913	53,138,720	56,264,527	59,390,334	62,516,141	62,516,141
Add: Receipts from debtors of previous year	-	-	22,005,634	24,529,815	26,165,136	27,800,457	29,435,778	31,071,099	32,706,420	32,706,420
Less: Payments made for current year purchase	-	220,491,434	237,123,019	252,871,429	268,625,808	284,386,453	300,153,679	315,927,815	316,046,668	316,171,464
Less: Pre incorporation expense	200,000	-	-	-	-	-	-	-	-	-
Less: Interest payments	-	569,949	505,063	425,203	345,343	265,483	185,623	105,763	55,850	55,850
	558,500	21,559,091	31,515,893	36,107,052	40,860,366	45,787,689	50,898,564	59,271,042	65,646,096	73,222,449
Less: Income tax	-	(312)	3,227,801	3,569,890	3,902,605	4,226,981	2,955,688	3,182,238	3,184,775	3,167,152
	-	21,559,403	28,288,093	32,537,163	36,957,761	41,560,708	47,942,877	56,088,804	62,461,321	70,055,297
Less: Distributions made from profits	-	-	3,012,614	3,331,897	3,642,431	3,945,182	2,758,642	2,970,089	2,972,457	2,956,009
	-	21,559,403	25,275,479	29,205,266	33,315,330	37,615,526	45,184,235	53,118,716	59,488,864	67,099,288
Less: Principal repayment of loan	-	665,500	1,331,000	1,331,000	1,331,000	1,331,000	1,331,000	1,331,000	-	-
Closing cash balance	558,500	20,893,903	23,944,479	27,874,266	31,984,330	36,284,526	43,853,235	51,787,716	59,488,864	67,099,288

Sales Budget

S. No.	Particulars	Year ending March 31st								
		I	II	III	IV	V	VI	VII	VIII	IX
A.	Estimated occupational capacity	70%	75%	80%	85%	90%	95%	100%	100%	100%
B.	Production capacity (kgs) [A. X Total capacity]	9,142,560	9,795,600	10,448,640	11,101,680	11,754,720	12,407,760	13,060,800	13,060,800	13,060,800
C.	Own produce (kgs) [B. X 2/3]	6,095,040	6,530,400	6,965,760	7,401,120	7,836,480	8,271,840	8,707,200	8,707,200	8,707,200
D.	Government produce (kgs) [B. X 1/3]	3,047,520	3,265,200	3,482,880	3,700,560	3,918,240	4,135,920	4,353,600	4,353,600	4,353,600
E.	Revenue from sale of own produce [C. X Sale price per kg]	213,326,400	239,992,200	255,991,680	271,991,160	287,990,640	303,990,120	319,989,600	319,989,600	319,989,600
F.	Revenue from processing government produce [D. X Processing charges]	457,128	489,780	522,432	555,084	587,736	620,388	653,040	653,040	653,040
G.	Input required (kgs) [C. X Input output ratio]	13,060,800	13,993,714	14,926,629	15,859,543	16,792,457	17,725,371	18,658,286	18,658,286	18,658,286
H.	Sale of by products -Husk	9,142,560	9,795,600	10,448,640	11,101,680	11,754,720	12,407,760	13,060,800	13,060,800	13,060,800
I.	Sale of by products -Bran	41,141,520	44,080,200	47,018,880	49,957,560	52,896,240	55,834,920	58,773,600	58,773,600	58,773,600
	Total revenue	264,067,608	294,357,780	313,981,632	333,605,484	353,229,336	372,853,188	392,477,040	392,477,040	392,477,040

Estimation of Production capacity

Per annum capacity in kgs	13,060,800
Operational days	225 days

Products	Production at 100% capacity	sales prices per kg	purchase price per kg	Processing charges for government produce per kg
Output	13,060,800	35.0	18.0	0.15

Production Budget

Particulars	Year ending March 31st								
	I	II	III	IV	V	VI	VII	VIII	IX
Opening Stock	-	60,950	126,254	195,912	269,923	348,288	265,570	178,498	91,426
Production	6,095,040	6,530,400	6,965,760	7,401,120	7,836,480	8,271,840	8,707,200	8,707,200	8,707,200
Sales	6,034,090	6,465,096	6,896,102	7,327,109	7,758,115	8,354,558	8,794,272	8,794,272	8,794,272
Closing Stock	60,950	126,254	195,912	269,923	348,288	265,570	178,498	91,426	4,354

It is assumed that 2/3rd capacity of rice mill is used to process own produce, i.e., to process paddy into rice which is further sold by rice mill in the market. The balance 1/3rd capacity is used to process the government produce, for such processing rice mill charges minimal processing charges.

In case of processing own produce, paddy is procured from farmers and processed for selling. While for government produce, paddy is provided to mill for further processing and only processing charges are taken for such work.

Sales price per kg is Rs. 38 (considering single type of output rice) which will increase 5% annually

Input output ratio is taken to be 70%

Assumed that Husk being by product of producing the rice, is 10% of the total production capacity. Sale price of husk per kg is rs. 10

S. no. Assumptions

- 1 Electricity are semi-fixed cost. Rs. 100,000 pa is fixed, balance is variable at Rs. 10 per unit usage
- 2 Electricity usage in units is given below

Usage in units	50000	52500	55125	57881.25	60775.3125	63814.07813	67004.78203	67004.78203	67004.78203
Variable cost	500000	525000	551250	578812.5	607753.125	638140.7813	670047.8203	670047.8203	670047.8203

- 3 Assumed that 60 days of purchases are average creditors maintained
- 4 Assumed that 30 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



(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**
 - 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.