

# MODEL DPR

# CUSTOM HIRING CENTRE (WITH CAPITAL SUBSIDY)

Under Agriculture Infrastructure Fund Scheme

Submitted to



Submitted by



Department of Agriculture,  
Cooperation & Farmers Welfare

Knowledge Partner  
NABARD Consultancy Services  
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## CREDIT CITATION

*Preparation of this document has been possible with broad-based support and co-operation 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, 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			

<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								
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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							





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)	Custom Hiring Centre

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

To be filled by the applicant

**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.)	
7	Availability of Water	
8	Availability of Power	

**9. Proposed facilities:**

I. Details of proposed facility

SN	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]			
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)		27,500 hours	250 days

II. Details of technologies to be used/ alternative technologies

With an objective of strengthening the farm level post-harvest infrastructure availability, the project components wise details of the technology may be provided below:

Under the custom Hiring center where paddy is cultivated predominantly, the CHC may comprise the following machinery:

- i. 35 hp tractor - for tillage operations, traction source and transport
- ii. Power tiller – for tillage operations in small farms, traction source for small equipment and agri input transport for short distance.
- iii. Multi crop Power thresher
- iv. Winnowing:
- v. Self-Propelled Reaper
- vi. Sprayers :
- vii. Repairing tools

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

- a) Date of disbursement of 1<sup>st</sup> instalment of term loan
- b) Date of start of construction of building
- c) Date of completion of building
- d) Date of placing order for plant & machinery
- e) Date of installation/erection of P&M
- f) Date of sanction of electricity connection (LT/HT)
- g) Date of release of electricity connection (LT/HT)

- h) Date of trial production/running
- i) Date of commencement of production/running

## 11. Proposed Project Financials

### a. Estimated Project cost details

SN	Items	Amount (₹)
1	Site Development	2,25,000
2	Civil Works	
3	Technical Civil Works/Errection etc.	
4	Plant & Machinery (P&M)	62,75,000
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	
8	Interest During Construction	
9	Contingencies	
10	Working Capital	6,25,000
	<b>Total Project Cost</b>	<b>85,00,000</b>

### b. Means of finance

SN	Items	Amount (₹ in lakhs)
1	*Promoter's Equity	<b>8.50 (10% of project cost)</b>
2	Capital Subsidy/ Benefit from other Central/ State Scheme	
3	Loan (TL + CC) (including back end capital subsidy @ 40% of cost of project amounting to Rs. 19.44 lakhs)	<b>76.50 (including back end capital subsidy)</b>
	Total	85.00

\*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 2021-22	Year 2022-23	Year 2023-24	Year 2024-25	Year 2025-26
1	Turnover	107.63	125.72	134.10	142.48	150.86

2	Cost of Operations	86.62	92.58	98.34	104.20	110.17
3	Gross Profit	21.00	33.14	35.76	38.28	40.70
4	Earnings Before Interest, Tax, Depreciation and Amortization (EBITDA)	21.00	33.14	35.76	38.28	40.70
5	Profit before taxation	5.190	19.429	24.043	28.361	65.121
6	Profit after taxation	3.633	13.600	16.830	19.853	55.034

\*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]	93.77%	-
2	Avg. Debt Service Coverage Ratio (DSCR)	2.27	-
3	Break Even Point (BEP)	69.86%	-
4	Debt-Equity Ratio ( TTL/TNW)	1.53	-
5	Fixed Assets Coverage Ratio	1.68	-

**e. Credit Facilities proposed**

I. Fund Based

- a) Term Loan 70.25 lakhs
- b) Working Capital 6.25 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.**

CHCs are basically a unit comprising a set of farm machinery, implements and equipment meant for custom hiring by farmers. Though certain implements and equipment are crop specific, the traction units like tractors, power tillers etc., and self-propelled machinery like combine harvesters etc., are used in common. Therefore, an ideal model envisaged in this project comprise farm machinery that are commonly used for tillage operations for all crops, multi crop equipment and a minimum of crop specific machinery.

Ideally, the CHC shall have to be located in a place where by and large small land holdings are located within a radius of 5 to 7 kms. This will reduce the transport cost and time of transport of agricultural machinery. In other terms, one CHC is expected to cater to 4/5 villages and therefore a common place equidistant from the villages catered is advisable.

**13. Availability of utilities (Water/Electricity etc.):**

Electricity: Yes, Electricity Connection is available at location for electricity consumption.

Water: Facility has fresh water through Water Dept. facility.

Cleaning: The Company is dedicated to follow the best-in-class cleanliness policies. To ensure excellent hygiene, the garbage will be disposed of at a suitable place on a daily basis. Garbage will not be allowed to be stored in the premise.

**14. Details of the catchment area of the project**

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

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

**15. 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.**

**16. Employment Generation projections**

- a. Direct Employment: (Skilled and Semi-skilled).....10.....
- b. Contractual Employment with no. of days: .....
- c. Indirect Employment (specify):

**17. 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.**

**18. 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 operationalefficiency
1			
2			

**19. 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

## Contents Table

Contents	Link
Annexure 1 - Estimated cost of the project	<a href="#">Ann 1'!A1</a>
Annexure 2 - Means of Finance	<a href="#">Ann 2'!A1</a>
Annexure 3 - Complete Estimate of Civil and Plant and Machinery	<a href="#">Ann 3'!A1</a>
Annexure 4 - Estimated Cost of Production	<a href="#">Ann 4'!A1</a>
Annexure 5- Projected balance sheet	<a href="#">Ann 5'!A1</a>
Annexure 6 - requirement of Power and Fuel	<a href="#">Ann 6'!A1</a>
Annexure 8 - Details of Manpower	<a href="#">Ann 8'!A1</a>
Annexure 9 - Computation of Depreciation	<a href="#">Ann 9'!A1</a>
Annexure 10 - Calculation of Income tax	<a href="#">Ann 10'!A1</a>
Annexure 11- Break even analysis (At maximum capacity utilization)	<a href="#">Ann 11'!A1</a>
Annexure 13 - Repayment schedule	<a href="#">Ann 13'!A1</a>
Annexure 14 - Cash flow statement	<a href="#">Cash flows'!A1</a>
Assumptions	<a href="#">Assumptions!A1</a>
Sales Budget	<a href="#">Budgets!A1</a>



DPR with 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	16.00
(a)	Total	16.00
3	Civil Work	
(a)	Civil Work	
	Total	-
4	Plant and Machinery (indegenuous)	
(a)	Plant and Machinery	62.75
	Total	62.75
5	Miscellanoeous Fixed Assets	
(a)	Cost	-
6	Working Capital Margin	6.25
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	-
(b)	Legal and Misc Expense	-
	Total	-
9	E mandi expense	-
	Total Cost of Project	85.00

Annexure 2 - Means of Finance

Sr. No.	Item	Grand Total (in lakhs)
1	Promoter's equity	8.50
2	Eligible Assistance	-
3	Term Loan	70.25
4	CC Limit	6.25
	Total	85.00

**Annexure 3 - Complete Estimate of Civil and Plant and Machinery**

<b>1. Building</b>	<b>Units</b>	<b>Amt</b>
1 A shed for keeping the tools and machinery - 4000 sq. ft. @ Rs. 400 psf	1	1,600,000
<b>Total Plant and Machinery</b>		<b>1,600,000</b>
<b>2. Plant and machinery</b>	<b>Units</b>	<b>Amt</b>
1 Tractor - 35 hp	4	2,400,000
2 Combine harvester	1	2,200,000
3 Trailer	1	110,000
4 Mould Board Plough	1	26,000
5 Cultivator - 9 tyne	1	30,000
6 Cage Wheel - 18"	1	30,000
7 Disc harrow	1	30,000
8 Seed Drill	1	30,000
9 Accessories	1	12,000
10 Transplanter	1	200,000
11 Power Tiller - 13 HP	5	750,000
12 Multi Crop Power thresher with electric motor	1	80,000
13 Winnower	1	8,000
14 Self Propelled Reaper - 3.5 HP	1	90,000
15 Sprayer : Powered - 1 No.	1	8,000
16 Sprayer : Manual - 2 No.	1	5,000
17 Servicing tools	1	4,000
18 Rotavator	2	240,000
19 Tools for repairing of machines	1	22,000
<b>Total Plant and Machinery</b>		<b>6,275,000</b>
<b>Total fixed Assets</b>		<b>7,875,000</b>

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	390,000	405,000	420,750	437,288	454,652	472,884	492,029	492,029	492,029
	Fuel expense	5,267,500	5,643,750	6,020,000	6,396,250	6,772,500	7,148,750	7,525,000	7,525,000	7,525,000
	Insurance cost @ 2% of purchase cost	125,500	128,010	130,570	133,182	135,845	138,562	141,333	144,160	147,043
	Running and Maintenance expense @2% of sales	215,250	251,438	268,200	284,963	301,725	318,488	335,250	335,250	335,250
	Cost of Production	5,998,250	6,428,198	6,839,520	7,251,682	7,664,722	8,078,684	8,493,612	8,496,439	8,499,322
	Sub Total	5,998,250	6,428,198	6,839,520	7,251,682	7,664,722	8,078,684	8,493,612	8,496,439	8,499,322
	Administrative salaries and wages	2,456,400	2,603,784	2,760,011	2,925,612	3,101,148	3,287,217	3,484,450	3,693,517	3,915,128
	Miscellaneous expense - semi fixed	207,625	225,719	234,100	242,481	250,863	259,244	267,625	267,625	267,625
	Total	2,664,025	2,829,503	2,994,111	3,168,093	3,352,011	3,546,461	3,752,075	3,961,142	4,182,753
	Cost of Sales	8,662,275	9,257,700	9,833,631	10,419,775	11,016,733	11,625,145	12,245,687	12,457,581	12,682,075
	Expected sales revenue	10,762,500	12,571,875	13,410,000	14,248,125	15,086,250	15,924,375	16,762,500	16,762,500	16,762,500
	Gross Profit	2,100,225	3,314,175	3,576,369	3,828,350	4,069,517	4,299,230	4,516,813	4,304,919	4,080,425
	Financial expense									
	Interest on Term Loan	417,447	364,760	299,913	235,067	48,635	-	-	-	-
	Interest on WC Loan	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500
	total	479,947	427,260	362,413	297,567	111,135	62,500	62,500	62,500	62,500
	Operating profits (PBT)	1,620,278	2,886,915	3,213,955	3,530,783	3,958,382	4,236,730	4,454,313	4,242,419	4,017,925
	Preliminary Expense	-	-	-	-	-	-	-	-	-
	Other income - Loan repayment via subsidy	-	-	-	-	3,150,000	-	-	-	-
	depreciation	1,101,250	944,063	809,653	694,685	596,314	512,116	440,023	378,271	325,356
	Net Profit before Tax	519,028	1,942,853	2,404,302	2,836,098	6,512,068	3,724,614	4,014,290	3,864,148	3,692,568
	Income Tax	155,708	582,856	721,291	850,829	1,008,620	1,117,384	1,204,287	1,159,244	1,107,770
	Profits after Tax	363,320	1,359,997	1,683,012	1,985,269	5,503,448	2,607,230	2,810,003	2,704,904	2,584,798
	Distribution of profits (50%)	181,660	679,998	841,506	992,634	2,751,724	1,303,615	1,405,002	1,352,452	1,292,399
	Profit transfer to balance sheet	181,660	679,998	841,506	992,634	2,751,724	1,303,615	1,405,002	1,352,452	1,292,399

1. Electricity are semi-fixed cost. Rs. 90,000 pa is fixed, balance is variable at Rs. 12 per unit usage

2. Electricity usage in units is given below

Usage in units	25000	26250	27562.5	28940.625	30387.65625	31907.03906	33502.39102	33502.39102	33502.39102
Variable cost	300000	315000	330750	347287.5	364651.875	382884.4688	402028.6922	402028.6922	402028.6922

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

Annexure 5- Projected balance sheet

Projected Baalance sheet

Sr. No	Description	Year ending March 31st								
		I	II	III	IV	V	VI	VII	VIII	IX
<b>A</b>	<b>Asset</b>									
1	Fixed Capital expenditure									
	Gross Block	7,875,000	6,773,750.00	5,829,687.50	5,020,034.38	4,325,349.22	3,729,034.84	3,216,918.81	2,776,896.27	2,398,625.58
	Less- Depreciation	1,101,250	944,062.50	809,653.13	694,685.16	596,314.38	512,116.03	440,022.54	378,270.69	325,356.46
	net Block	6,773,750	5,829,687.50	5,020,034.38	4,325,349.22	3,729,034.84	3,216,918.81	2,776,896.27	2,398,625.58	2,073,269.12
2	Sundry debtors	1,076,250	1,257,188	1,341,000	1,424,813	1,508,625	1,592,438	1,676,250	1,676,250	1,676,250
3	Cash/ bank balance	867,130	1,269,817	1,792,669	2,353,555	2,415,609	4,189,770	5,995,457	7,767,993	9,430,071
	Total assets	8,717,130	8,356,692	8,153,703	8,103,717	7,653,269	8,999,127	10,448,603	11,842,869	13,179,590
<b>B</b>	<b>Liabilities</b>									
1	Capital	850,000	1,031,660	1,711,658	2,553,164	3,545,798	6,297,522	7,601,137	9,006,138	10,358,590
	Add- Profit	181,660	679,998	841,506	992,634	2,751,724	1,303,615	1,405,002	1,352,452	1,292,399
	Less- Drawings	-	-	-	-	-	-	-	-	-
	Closing capital	1,031,660	1,711,658	2,553,164	3,545,798	6,297,522	7,601,137	9,006,138	10,358,590	11,650,989
2	term Loan	6,484,615	5,403,846	4,323,077	3,242,308	-	-	-	-	-
3	Working capital	625,000	625,000	625,000	625,000	625,000	625,000	625,000	625,000	625,000
4	Creditors	575,855	616,188	652,462	690,611	730,747	772,990	817,465	859,278	903,601
	Total liabilities	8,717,130	8,356,692	8,153,703	8,103,717	7,653,269	8,999,127	10,448,603	11,842,869	13,179,590
	<b>Current Ratio</b>									
	Current Assets	1,943,380	2,527,005	3,133,669	3,778,368	3,924,234	5,782,208	7,671,707	9,444,243	11,106,321
	Current Liabilities	575,855	616,188	652,462	690,611	730,747	772,990	817,465	859,278	903,601
	Ratio	3.374773414	4.101028713	4.802835567	5.47104999	5.370166972	7.480316589	9.384752281	10.99089926	12.29118226
	Average				7.029667227					
	<b>Debt Equity ratio</b>									
	Debt	7,109,615	6,028,846	4,948,077	3,867,308	625,000	625,000	625,000	625,000	625,000
	Equity	1,031,660	1,711,658	2,553,164	3,545,798	6,297,522	7,601,137	9,006,138	10,358,590	11,650,989
	Ratio	6.891434233	3.522225534	1.938017705	1.090673365	0.099245385	0.082224542	0.069397113	0.060336396	0.053643514
	Average				1.534133087					
	<b>Fixed asset coverage ratio</b>									
	Fixed assets	6,773,750	5,829,688	5,020,034	4,325,349	3,729,035	3,216,919	2,776,896	2,398,626	2,073,269
	Debt	7,109,615	6,028,846	4,948,077	3,867,308	625,000	625,000	625,000	625,000	625,000
	Ratio	0.952758994	0.96696571	1.014542509	1.11843938	5.966455738	5.147070097	-	-	-
	Average				1.685136936					
	<b>Debt service coverage ratio</b>									
	Interest on loan (TL + WC)	479,947	427,260	362,413	297,567	111,135	62,500	62,500	62,500	62,500
	Instalment of loan	1,165,385	1,705,769	1,705,769	1,705,769	717,308	625,000	625,000	625,000	625,000
	Total	1,645,332	2,133,029	2,068,183	2,003,337	828,442	687,500	687,500	687,500	687,500
	Net operating income	2,100,225	3,314,175	3,576,369	3,828,350	4,069,517	4,299,230	4,516,813	4,304,919	4,080,425
	Ratio	1.276475109	1.553741177	1.729232516	1.910987181	4.912251519	6.25342521	6.569909203	0	0
	Average				2.2765375					

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 6 - requirement of Power and Fuel

### Requirement of Fuel

#### Fuel

- For Tractor

Mileage 5 km per litre

Speed of tractor 30 km per hour

Fuel requirement as per the operative hours 60000 litres

- For Power tiller

Mileage 0.5 Litre per hour

Fuel requirement during the year for 5 units 6250 Litres

-For Combine harvester

Mileage 6 Litre per hour

Fuel requirement during the year for 30 units 9000 Litres

Total fuel requirement 75250

Fuel cost per litre 100

Total fuel cost at 100% capacity utilization 7,525,000.00

## Annexure 8 - Details of Manpower

### Details of Manpower

S. No.	Designation	In no.	Salary per person per month	Annual cost
i.	Machine operators	5	19,000	1,140,000
ii.	Accountant	1	30,000	360,000
iii.	Labour/ helper	3	14,000	504,000
iv.	Security	1	11,000	132,000
Total				2,136,000
Add: benefits @ 15%				320,400
Total				2,456,400

Total annual wages	2,456,400
Annual increase in wages	6%
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	1,600,000	6,275,000	-	78.75
ii.	Pre operatives	-	-	-	-
iii.	Contingencies	-	-	-	-
	Total				78.75

	Rates of Depreciation	10%	15%	10%	Total depreciation for the year
Year 1		160,000.00	941,250.00	-	1,101,250.00
Year 2		144,000.00	800,062.50	-	944,062.50
Year 3		129,600.00	680,053.13	-	809,653.13
Year 4		116,640.00	578,045.16	-	694,685.16
Year 5		104,976.00	491,338.38	-	596,314.38
Year 6		94,478.40	417,637.63	-	512,116.03
Year 7		85,030.56	354,991.98	-	440,022.54
Year 8		76,527.50	301,743.18	-	378,270.69
Year 9		68,874.75	256,481.71	-	325,356.46



**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	1,620,278	2,886,915	3,213,955	3,530,783	3,958,382	4,236,730	4,454,313	4,242,419	4,017,925
Add- dep on SLM	-	-	-	-	-	-	-	-	-
Sub total	1,620,278	2,886,915	3,213,955	3,530,783	3,958,382	4,236,730	4,454,313	4,242,419	4,017,925
Less- Dep on WDV	1,101,250	944,063	809,653	694,685	596,314	512,116	440,023	378,271	325,356
Sub total	519,028	1,942,853	2,404,302	2,836,098	3,362,068	3,724,614	4,014,290	3,864,148	3,692,568
Less - Deductions	-	-	-	-	-	-	-	-	-
Taxable profits	519,028	1,942,853	2,404,302	2,836,098	3,362,068	3,724,614	4,014,290	3,864,148	3,692,568
Income tax @30%	155,708	582,856	721,291	850,829	1,008,620	1,117,384	1,204,287	1,159,244	1,107,770

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

**Break even capacity at maximum capacity utilization**

Sales		15,375,000
Variable cost		
- Running and maintenance cost	768,750	
- Interest on Working capital	-	
- electricity expense	123,502	892,252
Contribution		14,482,748
Less: fixed cost		
Wages and salaries		2,456,400
Depreciation		1,101,250
Miscellaneous expense		200,000
Interest on TL		417,447
Fixed cost		4,175,097

Particulars	Other machine	Combine Harvester	
Sales price per kg	450	2000	
Running and maintenance cost	22.5	100	
Fuel expense	240.9090909	600	
Interest on Working capital	2.2727	2.2727	
Miscellaneous expense	4.5	20	
Electricity charges	10.9091	10.9091	
Contribution per hr	168.9090909	1266.818182	
Contribution margin	37.54%	63.34%	
Sales ratio	94.83%	5.17%	
Proportionate contribution	35.59%	3.28%	38.87%

BEP total in Rs.	10741146.99
Combine Harvester	10185570.42
Other Machine	555576.57

Total BEP %	69.86%
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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 69.86% 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)	70.25
Amount of subsidy (in lakhs)	31.50
Rate of interest	6.00%
Moratorium period	6 months

Year	Quarter	Balance outstanding	Principal instalment	Interest
1	1	70.25	0	1.05375
	2	70.25	0	1.05375
	3	70.25	2.701923077	1.05375
	4	67.54807692	2.701923077	1.01322
2	1	64.84615385	2.701923077	0.97269
	2	62.14423077	2.701923077	0.93216
	3	59.44230769	2.701923077	0.89163
	4	56.74038462	2.701923077	0.85111
3	1	54.03846154	2.701923077	0.81058
	2	51.33653846	2.701923077	0.77005
	3	48.63461538	2.701923077	0.72952
	4	45.93269231	2.701923077	0.68899
4	1	43.23076923	2.701923077	0.64846
	2	40.52884615	2.701923077	0.60793
	3	37.82692308	2.701923077	0.5674
	4	35.125	2.701923077	0.52687
5	1	32.42307692	0.923076923	0.48635
	2	31.5	0	0
	3	0	0	0
	4	0	0	0
6	1	0	0	0
	2	0	0	0
	3	0	0	0
	4	0	0	0
7	1	0	0	0
	2	0	0	0
	3	0	0	0
	4	0	0.00	0

In case of Capital subsidy, the amount vary depending on location of unit and scheme offered by the government at that time. Thus it is assumed here that 40% of cost of project (Rs. 31.50 lakhs) is sourced through back end subsidy.

The amount Rs. 31.50 lakhs is sourced by Government subsidy. Since this is a back end subsidy, the amount is funded to bank at the end of repayment schedule.

Subsidy is available maximum 40% under Sub mission Agriculture Mechanism by Ministry of Agriculture and Farmers Welfare

Annexure 14 - Cash flow statement

Particulars	0	I	II	III	IV	V	VI	VII	VIII	IX
opening balance	625,000	625,000	867,130	1,269,817	1,792,669	2,353,555	2,415,609	4,189,770	5,995,457	7,767,993
Add: Capital	850,000	-	-	-	-	-	-	-	-	-
Add: Loan disbursement	7,025,000	-	-	-	-	-	-	-	-	-
Less: Purchase of asset	7,875,000	-	-	-	-	-	-	-	-	-
Add: Sales realizations	-	9,686,250	11,314,688	12,069,000	12,823,313	13,577,625	14,331,938	15,086,250	15,086,250	15,086,250
Less: Payment made to creditors of previos year	-	-	575,855	616,188	652,462	690,611	730,747	772,990	817,465	859,278
Add: Receipts from debtors of previos year	-	-	1,076,250	1,257,188	1,341,000	1,424,813	1,508,625	1,592,438	1,676,250	1,676,250
Less: Payments made for current year purchase	-	8,086,420	8,641,512	9,181,169	9,729,163	10,285,986	10,852,155	11,428,222	11,598,303	11,778,475
Less: Interest payments	-	479,947	427,260	362,413	297,567	111,135	62,500	62,500	62,500	62,500
	625,000	1,744,883	3,613,441	4,436,234	5,277,788	6,268,261	6,610,769	8,604,746	10,279,689	11,830,240
Less: Income tax	-	155,708	582,856	721,291	850,829	1,008,620	1,117,384	1,204,287	1,159,244	1,107,770
	625,000	1,589,175	3,030,585	3,714,944	4,426,959	5,259,641	5,493,385	7,400,459	9,120,445	10,722,470
Less: Distrubutions made from profits	-	181,660	679,998	841,506	992,634	2,751,724	1,303,615	1,405,002	1,352,452	1,292,399
	625,000	1,407,515	2,350,587	2,873,438	3,434,325	2,507,917	4,189,770	5,995,457	7,767,993	9,430,071
Less: Principal repayment of loan	-	540,385	1,080,769	1,080,769	1,080,769	92,308	-	-	-	-
Closing cash balance	625,000	867,130	1,269,817	1,792,669	2,353,555	2,415,609	4,189,770	5,995,457	7,767,993	9,430,071

**Sales Budget**

Particulars	Year ending March 31st								
	I	II	III	IV	V	VI	VII	VIII	IX
Capacity utilization	70%	75%	80%	85%	90%	95%	100%	100%	100%
Operational hrs for Combine harvester	1050	1125	1200	1275	1350	1425	1500	1500	1500
Operational hrs for other machines	19250	20625	22000	23375	24750	26125	27500	27500	27500
Total operational hours	20300	21750	23200	24650	26100	27550	29000	29000	29000
Sales	10762500	12571875	13410000	14248125	15086250	15924375	16762500	16762500	16762500

**Production budget**

Traction units	4
Combine harvester	1
Rotavator	2
Power tillers	5
Hours operation in a day	10 hours
Operation days in a year for Combine harvester	150 days
Operation days in a year for other machines	250 days
Hours usage for Combine harvester for the year	1500 hours
Hours usage for other machine for the year	27500 hours

Products	Rental per hr in year I for combine harvester	Rental per hr in year I
Output	2,000.0	450.0

**Assumptions:**

1. Sales price is taken to be Rs. 400 per hour hire of tractor or power tiller, increasing 5% annually

**S. no. Assumptions**

- 1 Electricity are semi-fixed cost. Rs. 90,000 pa is fixed, balance is variable at Rs. 12 per unit usage
- 2 Electricity usage in units is given below

Usage in units	25000	26250	27562.5	28940.625	30387.65625	31907.03906	33502.39102	33502.39102	33502.39102
Variable cost	300000	315000	330750	347287.5	364651.875	382884.4688	402028.6922	402028.6922	402028.6922

- 3 Assumed that 30 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 2% 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.