

**MODEL DPR**

# **ESTABLISHMENT OF SOLAR COLD STORAGE**

(without capital subsidy)

UNDER AGRICULTURE INFRASTRUCTURE  
FUND SCHEME

Submitted to



Department of Agriculture,  
Cooperation & Farmers Welfare

Submitted by



Knowledge Partner  
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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>

To be filled by the applicant

## 1. Details of the Applicant

SN	Particulars	Details
i.	Name of the Applicant	
ii.	Constitution Legal Status of Applicant : (i.e. Govt. organization, NGO, Co-operative society, Company, partnership firm, proprietorship firm, Individual, FPO, Self Help Group, etc.)	
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							
2	Term Loan				To be filled by the applicant			

3	Others							
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\*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: The proposed Modular unit solar powered coldroom with thermal storage backup for storage of fresh produce-fruits, vegetables & flowers specifically. The unit has dimensions of 15ft x 10ft x 10ft with solar panels mounted on the roof top of the unit. The cold room maintains a temperature in the range of 4 to 10 Degree C. The system has a battery-less compressor operation. A small battery is provided to operate only the auxiliary loads and the control system.

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

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

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		10	
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)			

II. Details of technologies to be used/ alternative technologies: Attached Annexure No : 01

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

**11. Proposed Project Financials**

**a. Estimated Project cost details**

Items	Amount (₹ in lakhs)
Cost of 3 portable Solar Cold Room (Without DG Set)	33,00,000
Insurance charges @ 0.2% p.a.	6,600
Misc. Charges p.a.	33,000
Depreciation @ 18.1% per year for ten years	<b>33,39,600</b>

**b. Means of finance**

SN	Items	Amount (₹ in lakhs)	Percentage (%)
1	*Promoter's Equity	3.3	10%
2	Capital Subsidy/ Benefit from other Central/ State Scheme		
3	Loan	29.70	90%
	<b>Total</b>	<b>33.00</b>	<b>100.00%</b>

\*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	12.96	15.15	16.04	16.93	17.82
2	Cost of Operations	4.30	4.53	4.77	5.03	5.30
3	Gross Profit	8.66	10.62	11.27	11.90	12.52
4	Earnings Before Interest, Tax, Depreciation and Amortization (EBITDA)	8.66	10.62	11.27	11.90	12.52
5	Profit before taxation	1.949	4.870	6.421	7.863	9.210
6	Profit after taxation	1.364	3.409	4.495	5.504	6.447

\*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]	212.95%	-
2	Avg. Debt Service Coverage Ratio (DSCR)	0.731	-
3	Break Even Point (BEP)	65.52%	-
4	Debt-Equity Ratio ( TTL/TNW)	2.03	-
5	Fixed Assets Coverage Ratio	0.968	-

**e. Credit Facilities proposed**

I. Fund Based

- a) Term Loan 29.7 lakhs
- b) Working Capital Nil  
(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	Quantity to be sourced [MT ] ( per annum)
1	abc			
2	xyz			

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

**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.**

**15. Employment Generation projections**

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

**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 in reducing carbon footprint and/or increase in operationalefficiency
1			
2			

**18. List of Manufacturers/ Suppliers of P&M (enclose quotations): Annexure No: 02**

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

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

Estimated cost of project			
Sr. No.	Particulars	Grand Total (in lakhs)	
<b>Constructional</b>	Product Dimensions	15 ft by 10 ft by 10 ft	
	Cold room insulation	Poly Urethane Foam, 100 mm, 38+/-2 kg/m <sup>3</sup> or Equivalent	
	Cold room body	Pre-painted galvanized iron	
	Room door	Insulation: PUF	
		Thickness: 100 mm Dimensions: 1903x853 mm	
Curtains	PVC to reduce Heat infiltration on door openings		
<b>Operational Data</b>	Refrigeration TR	(~2.7 TR approx.) @ -5 C Evaporating & 50 C Condensing	
	Storage capacity	5 MT depending upon commodity	
	Temperature range	4-10 Degree C by using set point control as per req.	
	Humidity range	65-95% by using set point controlled	
	Backup Type	Air Cooling Using Thermal Energy Storage	
	Backup duration	24-30 hours (non-door opening & 5.5 KW/m <sup>2</sup> /day radiation)	
	Remote Monitoring	Per minute logging, GPRS based, viewable on desktop and Smart Phone	
<b>Power Source</b>	Auxiliary Battery	24 V 100 Ah	
	Solar Power Capacity	5 kWp	
	Alternative power source	Grid or DG Hybrid	

	Financial Analysis	Amt
	Cost of 3 Portable solar rooms (Without DG Sets)	3,300,000
	Insurance charges per annum @ 0.2%	6,600
	Miscellaneous charges per annum @ 1%	33,000
	<b>Total cost</b>	<b>3,339,600</b>



## Annexure 2 - Means of Finance

Sr. No.	Item	Grand Total (in lakhs)
1	Promoter's equity	3.30
2	Eligible Assistance	-
3	Term Loan	29.70
4	CC Limit	-
	Total	33.00

**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
	<b>Running and Maintenance expense</b>									
	Insurance cost	6,600	6,930	7,277	7,640	8,022	8,423	8,845	9,287	9,751
	Miscellaneous maintenance charges	33,000	36,300	39,930	43,923	48,315	53,147	58,462	64,308	70,738
	Sub Total	39,600	43,230	47,207	51,563	56,338	61,570	67,306	73,595	80,490
	Administrative salaries and wages	390,000	409,500	429,975	451,474	474,047	497,750	522,637	548,769	576,208
	Total	390,000	409,500	429,975	451,474	474,047	497,750	522,637	548,769	576,208
	Cost of Sales	429,600	452,730	477,182	503,037	530,385	559,320	589,943	622,364	656,697
	Expected sales revenue	1,296,000	1,514,700	1,603,800	1,692,900	1,782,000	1,782,000	1,782,000	1,782,000	1,782,000
	Gross Profit	866,400	1,061,970	1,126,619	1,189,863	1,251,615	1,222,680	1,192,057	1,159,636	1,125,303
	Financial expense									
	Interest on Term Loan	176,490	154,260	126,900	99,540	72,180	44,820	17,460	-	-
	total	176,490	154,260	126,900	99,540	72,180	44,820	17,460	-	-
	Operating profits (PBT)	689,910	907,710	999,719	1,090,323	1,179,435	1,177,860	1,174,597	1,159,636	1,125,303
	depreciation	495,000	420,750	357,638	303,992	258,393	219,634	186,689	158,686	134,883
	Net Profit before Tax	194,910	486,960	642,081	786,331	921,042	958,226	987,908	1,000,951	990,420
	Income Tax	58,473	146,088	192,624	235,899	276,313	287,468	296,372	300,285	297,126
	Profits after Tax	136,437	340,872	449,457	550,432	644,729	670,758	691,535	700,665	693,294
	Distribution of profits (70%)	95,506	238,610	314,620	385,302	451,310	469,531	484,075	490,466	485,306
	Profit transfer to balance sheet	40,931	102,262	134,837	165,130	193,419	201,227	207,461	210,200	207,988

Assumed that insurance cost is 0.2% of cost which will increase 5% annually

Assumed that there could be miscellaneous maintainance charges, taken to be 1% of cost of cold rooms and increase annually by 10%

**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	3,300,000	2,805,000.00	2,384,250.00	2,026,612.50	1,722,620.63	1,464,227.53	1,244,593.40	1,057,904.39	899,218.73
	Less- Depreciation	495,000	420,750.00	357,637.50	303,991.88	258,393.09	219,634.13	186,689.01	158,685.66	134,882.81
	net Block	2,805,000	2,384,250.00	2,026,612.50	1,722,620.63	1,464,227.53	1,244,593.40	1,057,904.39	899,218.73	764,335.92
2	Cash/ bank balance	317,831	385,833	423,396	437,716	434,845	401,156	334,900	705,539	1,050,339
	Total assets	3,122,831	2,770,083	2,450,009	2,160,336	1,899,073	1,645,749	1,392,804	1,604,758	1,814,675
<b>B</b>	<b>Liabilities</b>									
1	Capital	330,000	370,931	473,193	608,030	773,159	966,578	1,167,805	1,375,266	1,585,466
	Add- Profit	40,931	102,262	134,837	165,130	193,419	201,227	207,461	210,200	207,988
	Less- Drawings	-	-	-	-	-	-	-	-	-
	Closing capital	370,931	473,193	608,030	773,159	966,578	1,167,805	1,375,266	1,585,466	1,793,454
2	term Loan	2,742,000	2,286,000	1,830,000	1,374,000	918,000	462,000	-	-	-
3	Creditors	9,900	10,890	11,979	13,177	14,495	15,944	17,538	19,292	21,222
	Total liabilities	3,122,831	2,770,083	2,450,009	2,160,336	1,899,073	1,645,749	1,392,804	1,604,758	1,814,675
	<b>Current Ratio</b>									
	Current Assets	317,831	385,833	423,396	437,716	434,845	401,156	334,900	705,539	1,050,339
	Current Liabilities	9,900	10,890	11,979	13,177	14,495	15,944	17,538	19,292	21,222
	Ratio	32.10415152	35.43	35.34487102	33.21839776	30.00050867	25.1602384	19.09518796	36.57102783	49.49405052
	Average				32.93538152					
	<b>Debt Equity ratio</b>									
	Debt	2,742,000	2,286,000	1,830,000	1,374,000	918,000	462,000	-	-	-
	Equity	370,931	473,193	608,030	773,159	966,578	1,167,805	1,375,266	1,585,466	1,793,454
	Ratio	7.392208418	4.83101282	3.009721351	1.777124227	0.949742273	0.395613849	-	-	-
	Average				2.039491438					
	<b>Fixed asset coverage ratio</b>									
	Fixed assets	2,805,000	2,384,250	2,026,613	1,722,621	1,464,228	1,244,593	1,057,904	899,219	764,336
	Debt	2,742,000	2,286,000	1,830,000	1,374,000	918,000	462,000	-	-	-
	ratio	1.02297593	1.042979003	1.107438525	1.253726801	1.595019097	2.693925112	-	-	-
					0.968451607					
	<b>Debt service coverage ratio</b>									
	Interest on loan (TL + WC)	176,490	154,260	126,900	99,540	72,180	44,820	17,460	-	-
	Instalment of loan	1,728,000	1,676,490	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
	Total	1,904,490	1,830,750	1,626,900	1,599,540	1,572,180	1,544,820	1,517,460	1,500,000	1,500,000
	Net operating income	866,400	1,061,970	1,126,619	1,189,863	1,251,615	1,222,680	1,192,057	1,159,636	1,125,303
	ratio	0.454924941	0.58007374	0.692494007	0.743878193	0.796101541	0.791470788	0.785560447	0.773090872	0.750201827
	Average				0.731596453					

1. assumed that 90 days of purchases are average creditors maintained  
assumed that there are no credit allowed on sales

## Annexure 8 - Details of Mnpower

### Details of Manpower

S. No.	Designation	In no.	Salary per person per month	Yearly cost
i.	Machine help	2	12,000	288,000
ii.	Security	1	8,500	102,000
Total				390,000
Total annual wages				390,000
Annual increase in wages				5%
Total manpower				3

## 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	-	3,300,000	-	33
ii.	Pre operatives	-	-	-	-
iii.	Contingencies	-	-	-	-
	Total				33

	Rates of Depreciation	10%	15%	10%	Total depreciation for the year
Year 1		-	495,000.00	-	495,000.00
Year 2		-	420,750.00	-	420,750.00
Year 3		-	357,637.50	-	357,637.50
Year 4		-	303,991.88	-	303,991.88
Year 5		-	258,393.09	-	258,393.09
Year 6		-	219,634.13	-	219,634.13
Year 7		-	186,689.01	-	186,689.01
Year 8		-	158,685.66	-	158,685.66
Year 9		-	134,882.81	-	134,882.81

**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	689,910	907,710	999,719	1,090,323	1,179,435	1,177,860	1,174,597	1,159,636	1,125,303
Add- dep on SLM	-	-	-	-	-	-	-	-	-
Sub total	689,910	907,710	999,719	1,090,323	1,179,435	1,177,860	1,174,597	1,159,636	1,125,303
Less- Dep on WDV	495,000	420,750	357,638	303,992	258,393	219,634	186,689	158,686	134,883
Sub total	194,910	486,960	642,081	786,331	921,042	958,226	987,908	1,000,951	990,420
Less - Deductions	-	-	-	-	-	-	-	-	-
Taxable profits	194,910	486,960	642,081	786,331	921,042	958,226	987,908	1,000,951	990,420
Income tax @30%	58,473	146,088	192,624	235,899	276,313	287,468	296,372	300,285	297,126

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

### Break even capacity at maximum capacity utilization

Sales	1,620,000
Contribution	1,620,000
Less: fixed cost	
Wages and salaries	390,000
Depreciation	495,000
Interest on TL	176,490
Fixed cost	1,061,490

	Rs. per kg/ stick
Sales price per kg	3
Contribution per kg	3
BEP in kgs	353830.00
Total BEP %	65.52%

In cold storage room there are no variable costs incurred by the business, rather all the costs are fixed. Thus there are no variable cost, leading to contribution equalling to sale price per kg/stick

### Annexure 13 - Repayment schedule

#### Repayment schedule

Amount of Loan (in lakhs)	29.70
Rate of interest	6.00%
Moratorium period	6 months

Year	Quarter	Balance outstanding	Principal instalment	Interest
1	1	29.70	0	0.4455
	2	29.70	0	0.4455
	3	29.70	1.14	0.4455
	4	28.56	1.14	0.4284
2	1	27.42	1.14	0.4113
	2	26.28	1.14	0.3942
	3	25.14	1.14	0.3771
	4	24	1.14	0.36
3	1	22.86	1.14	0.3429
	2	21.72	1.14	0.3258
	3	20.58	1.14	0.3087
	4	19.44	1.14	0.2916
4	1	18.3	1.14	0.2745
	2	17.16	1.14	0.2574
	3	16.02	1.14	0.2403
	4	14.88	1.14	0.2232
5	1	13.74	1.14	0.2061
	2	12.6	1.14	0.189
	3	11.46	1.14	0.1719
	4	10.32	1.14	0.1548
6	1	9.18	1.14	0.1377
	2	8.04	1.14	0.1206
	3	6.9	1.14	0.1035
	4	5.76	1.14	0.0864
7	1	4.62	1.14	0.0693
	2	3.48	1.14	0.0522
	3	2.34	1.14	0.0351
	4	1.2	1.20	0.018



**Cash flow statement**

Particulars	I	II	III	IV	V	VI	VII	VIII	IX
opening balance	-	317,831	385,833	423,396	437,716	434,845	401,156	334,900	705,539
Add: Sales realizations	1,296,000	1,514,700	1,603,800	1,692,900	1,782,000	1,782,000	1,782,000	1,782,000	1,782,000
Less: Payment made to creditors of previos year	-	9,900	10,890	11,979	13,177	14,495	15,944	17,538	19,292
Add: Receipts from debtors of previos year	-	-	-	-	-	-	-	-	-
Less: Payments made for current year purchase &	419,700	441,840	465,203	489,860	515,890	543,376	572,405	603,071	635,476
Less: Interest payments	176,490	154,260	126,900	99,540	72,180	44,820	17,460	-	-
	699,810	1,226,531	1,386,640	1,514,917	1,618,468	1,614,154	1,577,347	1,496,290	1,832,771
Less: Income tax	58,473	146,088	192,624	235,899	276,313	287,468	296,372	300,285	297,126
	641,337	1,080,443	1,194,016	1,279,018	1,342,156	1,326,687	1,280,975	1,196,005	1,535,645
Less: Distrubutions made from profits	95,506	238,610	314,620	385,302	451,310	469,531	484,075	490,466	485,306
	545,831	841,833	879,396	893,716	890,845	857,156	796,900	705,539	1,050,339
Less: Principal repayment of loan	228,000	456,000	456,000	456,000	456,000	456,000	462,000	-	-
Closing cash balance	317,831	385,833	423,396	437,716	434,845	401,156	334,900	705,539	1,050,339

**Storage utilization**

Crops	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Batch size in sticks or kgs	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
Storage duration in days	10	10	10	10	10	10	10	10	10	10	10	10
No. of storage cycles in a month	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Total stcks/ commodities storage in month	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000

Annual 100% capacity for 3 storage rooms                      540000  
 Revenue for using storage space - per kg/ stick                      3

Sales budget	Year ended 31st March								
	I	II	III	IV	V	VI	VII	VIII	IX
Capacity utilization	80%	85%	90%	95%	100%	100%	100%	100%	100%
Storage utilization in kg/ sticks	432000	459000	486000	513000	540000	540000	540000	540000	540000
Revenue	1,296,000	1,514,700	1,603,800	1,692,900	1,782,000	1,782,000	1,782,000	1,782,000	1,782,000

<b>S. no.</b>	<b>Assumptions</b>
1	Assumed that insurance cost is 0.2% of cost which will increase 5% annually
2	Assumed that there could be miscellaneous maintainance charges, taken to be 1% of cost of cold rooms and increase annually by 10%
3	Assumed that 90 days of purchases are average creditors maintained
4	Assumed that there are no credit allowed on sales



**(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.