



Format-Model DPR for Availing Financial Assistance for Establishment of FARMGATE PACKHOUSE

Disclaimer:

This document serves as a model Detailed Project Report (DPR) format and is intended solely for reference purposes.

Submitted to

Directorate of Horticulture, Dept. of Agriculture, Govt. of Bihar

Acronyms

BHDS – Bihar Horticulture Development Society

CE – Civil Engineer

CIN – Corporate Identification Number

CLU – Change of Land Use

DIN – Director Identification Number

DPR – Detailed Project Report

FPO-Farmer Producer Organization

GST – Goods and Services Tax

LLP – Limited Liability Partnership

MoA – Memorandum of Association

NHB – National Horticulture Board

PAN – Permanent Account Number

SC– Scheduled Caste

ST–Scheduled Tribe

Model DPR Format-Farmgate Packhouse

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Sr. N.	Particulars	Details
1.	Name of The Applicant	
2.	Type of Applicant Proprietorship, Partnership, LLP, Company FPO / Cooperative Society or Others	
3.	Date of Establishment / Incorporation	
4.	Address of The Registered Office	
5.	PAN No. of Applicant	
6.	Address of The Proposed Site	
7.	District	
8.	State	
9.	Pin Code	
10.	Whether Lead Promoter/applicant Belongs to SC / ST / Woman / Minority	

1. Details of the Applicant

2. Contact Details of the Applicant

Contact Details of the Applicant / Promoter(s) / Partner(s) / Director(s) / Members

(including addresses, telephone, mobile, e-mail, PAN etc.)

Sr. N.	Name of Applicant / Promoter(s) / Director(s) / Members	Address	Telephone No.	Mobile No.	E-mail ID	PAN	Any other details
1.							

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

Sr. N.	Name of Promoter (s) / Partner(s) / Director(s) / Members	Status	Aadhaar No.	PAN No.	Academic and Technical Qualification	Positive Net Worth (Yes/No.)	DIN	Date of Shareholding	% of Shareholding / Sharing Ratio
1.									
2.									
3.									
4.									

4. Experience

Experience of the Applicant / Promoter(s) / Partner(s) / Director(s) / Members in related field

Sr. N.	Applicant / Promoter / Partner / Director / Member	Details of Relevant Experience	Supporting Document Attached, if any (Yes/No)
1.			
2.			

5. Project Details

5.1 Objective of the proposed project

5.2 Land Details

Sr. N.	Particulars	Details
1.	Land Area in Decimal	
2.	Status of Legal Title & Possession	
3.	If leased, Period of lease	
4.	Coordinates of location	Lat: Long:
5.	Details of CLU (Done/Not done)	
6.	Connectivity to roads	
7.	I. State Highway (in Km.)	
8.	II. National Highway (in Km.)	
9.	Availability of Water	
10.	Availability of Power	

5.3 Location of the Proposed Facility

Sr. N.	Particulars	Details
1.	Khasra No. Khata No.	
2.	Village	
3.	Gram Panchayat / Urban body	
4.	Block / Urban body	
5.	Sub-Division	
6.	District	
7.	State	

5.4 Availability of Raw Materials in the Catchment Area

Availability of Raw Materials in the Catchment Area - provide details such as Adequate Volume, Wider Mix of Raw Materials, Days of Operation in a season /Year along with supporting data.

S.N.	Location of the Catchment	Commodities to be sourced	Quantities to be sourced [MT] (per season)
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1.			
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5.5 Details of existing demand of the product and marketing arrangements

5.6 Employment Generation projections

1. Direct Employment: (Skilled and Semi-skilled, and Unskilled Separately)
2. Contractual Employment with no. of days:
3. Indirect Employment (specify):

5.7 Intended Impact of Project

5.8 Quotations for Plant & Machinery (P&M) from Manufacturers/Suppliers

[Note: The machinery and equipment proposed under the project shall, at a minimum, include Movable Handling Trolleys for transporting crates or boxes of produce from farm fields to the facility, thereby facilitating efficient handling and minimizing mechanical damage to the produce, and Sorting Tables (3' x 2') for manual sorting and grading of produce by workers/growers. The facility shall also be provided with essential utilities and equipment such as adequate lighting, ceiling fans, ventilation arrangements, and other basic infrastructure required for safe, hygienic, and efficient operations. In case of a Farmgate Standalone Cold Storage (10 MT Capacity), the applicant may opt for only one of the cold storage technologies/options recommended by the National Centre for Cold-chain Development (NCCD).]

7. Proposed Project Financials

7.1 Project Cost

Sr. N.	Particulars	Estimated Amount (in Rs. Lakh)
1.	Land & Site development	
2.	Building and Civil works	
3.	Plant & machinery	
4.	Misc. Fixed Assets	
5.	Preliminary Expenses	
Total (Rs. In Lakh)		

7.2 Civil Works Cost Estimation

[Note: The proposed Farmgate Packhouse shall consist of a shed with a finished concrete floor and adequate provisions for handling, grading, packing, and temporary storage of produce. The facility shall be equipped with movable handling trolleys for efficient movement of crates, cartons, or produce from the farm to the processing area. It shall also be provided with essential infrastructure and utilities, including adequate lighting, ceiling fans, ventilation arrangements, electrical fittings, and other basic amenities required for safe, hygienic, and efficient operations. The detailed civil work estimates and technical specifications shall be duly prepared and certified by a Chartered Engineer (Civil)]

7.3 Means of finance

Sr. N.	Items	Amount (in lakhs)	Percentage (%)
1.	Promoter's Equity		
2.	Unsecured Loan (if any)		
3.	Term Loan (if availed/proposed)		
	Total (Rs. In Lakh)		

8. Implementation Timeline

Sr. N.	Particulars	Timeline					
		Month-1	Month-2	Month-3	Month-4	Month-5	Month-6
1.							
2.							
3.							
4.							
5.							
6.							

9. Layout Plan Drawing

[Note: The layout drawing shall, at a minimum, clearly depict the site boundary along with the total land area and orientation, entry and exit gates, raw material receiving and unloading area, sorting, grading, washing, packing and dispatch sections, storage facilities (where applicable), utility infrastructure including water source, overhead/underground water tanks, DG set and solar installations (if proposed), waste collection and disposal area, parking arrangements for trucks and other vehicles, and firefighting and safety infrastructure to ensure safe and efficient operation of the facility.]

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 at any stage.

Date: _____

Signature of the Applicant

Place: _____

10. Annexures

10.1 Documents to be Submitted by Applicant

Sr. N.	Details / Description
1.	Constitution of Applicant Entity (as applicable) Proprietorship: GST / Udyam / Shop & Establishment / Bank Certificate Partnership: Partnership Deed / Registration Certificate LLP: Certificate of Incorporation / LLP Agreement Company: Certificate of Incorporation / MoA / AoA / Board Resolution FPO / Cooperative: Registration Certificate / By-laws / MoA
2.	Details of Promoters / Partners / Directors / Members Aadhaar / PAN, DIN (for Directors, if applicable), Photograph / Mobile No. / Email ID Address Proof
3.	Board Resolution / Authorization Letter in favour of the authorized signatory (wherever applicable)
4.	Documentary proof of land ownership or possession (as applicable), such as: – Copy of recent land revenue receipt – Registered Sale Deed in case of owned land – Registered Lease Deed for a minimum period of 15 years in case of leased land
5.	DPR covering complete technical and operational aspects of the project
6.	Details of installation of plant and machinery along with quotations/invoices from OEM
7.	Layout plan, detailed cost estimate, and construction drawings/designs duly signed and certified by a Chartered Engineer (Civil/Mechanical), as applicable.
8.	Undertaking by applicant for subsidy claim (Format I)
9.	Affidavit regarding non-availment of capital subsidy from NHB, NABARD, or any other source (Format II)
10.	Work Completion Certificate duly issued and certified by a Chartered Engineer (Civil/Mechanical), as applicable.
11.	One spiral-bound hard copy of all documents along with printed online application to be submitted to Horticulture Directorate, Bihar, Patna

Note

- The above list of documents is indicative in nature. The Directorate of Horticulture and/or financial institutions concerned reserve the right to request any additional documents or information, as deemed necessary, for appraisal of the proposal.
- Applicants are advised to refer to the guidelines issued under the Mission for Integrated Development of Horticulture ([MIDH-2025](#)) and the National Centre for Cold-chain Development ([NCCD](#)) while applying for subsidy under MIDH.
- The evaluation and appraisal of the proposal shall be undertaken in accordance with the applicable guidelines of the Mission for Integrated Development of Horticulture (MIDH) and the National Centre for Cold-chain Development (NCCD) for the purpose of availing subsidy under MIDH.

Annexure

Note: The basic technical information, specifications, and indicative layouts included in this Annexure are based on the *Engineering Guidelines and Minimum System Standards for Implementation in Cold Chain Components* issued by the National Centre for Cold Chain Development (NCCD). The information is provided for guidance and reference only.

Model DPR Format-Farmgate Packhouse

FARM GATE PACKHOUSE

The cold chain starts right at the moment of harvest. It is crucial for the farmer or grower to quickly reduce the temperature of the freshly harvested produce to maintain its quality and shelf life. To achieve this, the farmer has the option to install cooling facilities at the farm gate level. If setting up such a facility on the farm is not feasible, the farmer must explore alternative options, such as sending the harvested produce to the nearest cold storage, packhouse, or aggregation center. The most fundamental facility designed for these purposes is known as a Farm Gate Packhouse.

A Farm Gate Packhouse Unit refers to a facility designed to efficiently manage and handle farm produce from the point of harvest to storage or further processing. This unit ensures that agricultural products are handled in a hygienic and organized manner, minimizing damage and maintaining quality.

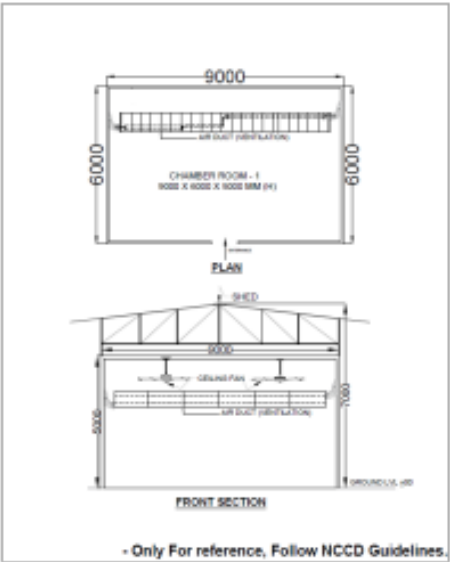
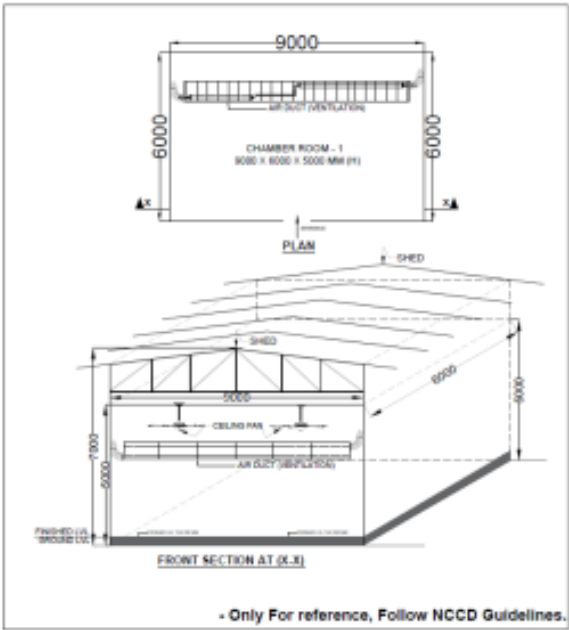
Key components of such a unit include:

1. **Shed with Finished Concrete Floor:** The unit typically includes a well-constructed shed with a durable, smooth concrete floor. The finished floor aids in maintaining cleanliness, provides a stable surface for handling equipment, and reduces contamination risks by ensuring easy cleaning and drainage.
2. **Movable Handling Trolley:** A critical feature of the unit is the use of movable trolleys designed to carry crates or boxes filled with produce. These trolleys facilitate the smooth transportation of goods from the farm fields to the handling unit, reducing manual labor and minimizing the risk of bruising or damaging the produce.
3. **Minimal Equipment:** Basic equipment such as electrical ceiling fans for ventilation and lighting to ensure adequate visibility are essential for maintaining a comfortable and functional working environment. These tools improve working conditions, especially in climates where excessive heat can degrade produce quality or affect worker productivity.
4. **Sorting Table:** These are normal tables situated inside the farm gate packhouse for manual sorting and grading of produce by workers/growers. 3 sorting tables of size 3 ft × 2 ft are to be installed.

This setup optimizes efficiency, preserves product integrity, and supports streamlined farm management practices for handling and post-harvest operations at the farm gate.

A farm-gate standalone cold room may be installed to enhance farm operations, management, and produce handling. However, its installation is optional and can be undertaken based on specific individual requirements. For detailed guidance, please refer to Chapter 9, under the category "Farm Gate Standalone Cold Room."

REFERENCE LAYOUTS: FARM GATE PACKHOUSE



Only for reference. Follow NCCD Guidelines.



Fig- Farm Gate Packhouse, Movable handling Trolleys

MANDATORY SUBSIDY COMPONENTS:

For Both NHM/NHB

DESCRIPTION & NAME	Max. ALLOWABLE QTY.	COST	Pattern of Assistance
Farm Gate Packhouse Shed with finished concrete floor, movable handling trolley which can carry crates or boxes from the farm up to the unit. Minimum equipment like electrical ceiling fans, lighting, ventilation etc. Movable Handling Trolley: A critical feature of the unit is the use of movable trolleys designed to carry crates or boxes filled with produce. These trolleys facilitate the smooth transportation of goods from the farm fields to the farmgate packhouse, reducing manual labour and minimizing the risk of bruising or damaging the produce. Sorting Table: Tables of size 3' x 2' installed inside the facility to manually sort/grade produces by workers/growers.	Size of 6m x 9m per project Max 5 units Max. 3 units	Rs. 4.8 lakh / project	
Farm Gate Standalone Cold Storage The rationale is to provide short-term storage which is able to help the farmer etc. in terms of curtailing the economic loss. In this case, out of the following options only one can be chosen for construction of only a single chamber of capacity 10 MT/project: Option I: Solar Photo Voltaic based system with battery and thermal storage Option II: Thermal Storage type (PCM, water) with auxiliary batteries, cold room running on grid where minimum 8-10 hrs of electricity is available (DG Set not allowed) Option III: Cold Storage running on Biomass with either vapour absorption or adsorption technologies Option IV: Conventional Cold Store running on grid electricity.		Rs. 20 lakh/ project Rs. 8 lakh/ project Rs. 12 lakh/ project Rs. 5 lakh/ project	Assistance @ 50% of the admissible cost or 50% of Rs. 25 lakhs with capping of max. subsidy to Rs. 12.5 lakh per project.

Technical Evaluation while Claiming Subsidy: The following details need to be submitted for Technical Evaluation while availing subsidy for government.

1. Nomenclature: S1/ I F/II F/III F/IV F/I Vg/II Vg/III Vg/IV Vg/F/H/C/S/TS/B/SREF/NREF-PCM

- a) S1 stands for storage capacity of 10 MT
- b) I F/II F/III F/IV F/I Vg/II Vg/III Vg/IV Vg - choose the type of commodity to be kept (refer to chapter no.31- COMMODITIES SPECIFICATION)
- c) F stands for Farm Gate Packhouse
- d) H/C/S/TS/B - choose the type of technology used
- e) SREF/NREF - choose Synthetic Refrigerant or Natural Refrigerant used
- f) -PCM - write only if PCM is used.

2. Basic Data Sheet: Refer to Annexure I at the end of this book.

3. Drawings: Enclose sketch with Plan layout and sections showing storage chambers and floor heights clearly.

The Farm Gate Standalone Cold Storage can be either taken as an add-on with Farm Gate Packhouse or can be taken as a standalone unit at the farm gate level for the purpose of storage for a period of 2 to 3 days before dispatch to either market or to a collection aggregation centre or to a cold storage. For detailed guidelines, please refer to Chapter 9, "Cold Room Transit."

NOTE/ESSENTIALS:

- i. This component can be availed through both NHM & NHB.
- ii. All mandatory rules and regulations (BIS, ISO, IS, MNRE, etc.) relevant to the item must be complied with.
- iii. In conventional storage, Refrigerants having potential for Ozone Depletion# and GWP ranging more than 1500 (like R22, R404A etc.) are not allowed for temperature range 0° C and above.
- iv. Use of inverter compressor / Digital compressor/ compressors with capacity control with choice of refrigerants as described above should also be considered to promote energy efficiency and sustainable development.

ODP is Ozone Depletion and GWP signifies Global Warming Potential

