

## SCHEME-2

### Capital Investment subsidy scheme for construction/expansion/ modernization of cold storage and storages for Horticulture Produce.

a) Components

Credit linked projects relating to Cold Storages including Controlled Atmosphere (CA) and their modernization are eligible for assistance under this component.

b) Infrastructure/Activity and Crops eligible:

- a. Assistance for setting up of new Cold Storage infrastructure will be available only to Multi-Chamber cold Storage units with technologies which are energy efficient with provision of thermal insulation, humidity controlled, advance cooling systems, automation, etc, having specification and standards approved by the Ministry. To ensure, compliance of notified standards, all projects will be subjected to technical scrutiny by NHB empaneled Technical appraisal agency.
- b. In case of CA Stores, projects of temperate fruit crops located in production areas for which to NHB protocols are available, are only are allowed.

c) Capacity and Pattern of Assistance: -

The assistance will be given as subsidy @ 35% of the capital cost of project in general areas and 50% in case of NE, Hilly States & Scheduled Areas for a storage capacity above 5000 MT up to 10000 MT.

In case of North East states, projects with a capacity of 1000 MT or above are also eligible for application and consideration.

d) Calculation of Capacity for subsidy:-

For calculation of capacity, 3.4 cubic meters (cum.) (120 cubic feet (cft.) of chamber volume shall be considered equivalent to 1 MT storage capacity.

e) Cost Norms:

SN	Description	Cost Norms
1	Cold storage units Type 1 - basic mezzanine structure with large chamber (of > 250 MT) type with single temperature zone.	<ul style="list-style-type: none"> <li>• @ Rs. 8000/ MT for capacity upto 5000 MT.</li> <li>• @ Rs. 7600/ MT for capacity between 5001 to 6500 MT.</li> <li>• @ Rs. 7200/MT for capacity between 6501 to 8000 MT.</li> <li>• @ Rs. 6800/MT for capacity between 8001 to 10000 MT.</li> </ul>
2	Cold storage units Type 2 – Pre Engineering Building (PEB) Type for multiple temperature and product use , more than 6 chambers of <250 MT) and basic material handling equipment	<ul style="list-style-type: none"> <li>• @ Rs.10000/ MT for capacity upto 5000 MT.</li> <li>• @ Rs. 9500/ MT for capacity between 5001 to 6500 MT.</li> <li>• @ Rs. 9000/MT for capacity between 6501 to 8000 MT.</li> <li>• @ Rs. 8500/MT for capacity between 8001 to 10000 MT.</li> </ul>
3	Cold Storage Units Type 2 with add on technology for Controlled Atmosphere.	Additional Rs. 10,000/MT for add on components of controlled atmosphere technology as per component wise cost.

	CA stores are considered only in production areas for crops / commodities having NHB technical standards	
4	Technology induction and modernization of cold-chain	<ul style="list-style-type: none"> <li>• @ Rs. 5000/MT, for capacity between 5001 to 10000 MT.</li> <li>• Components of modernization includes PLC equipment, packaging lines, dock levelers, advanced graders, alternate technologies, stacking system, modernization of insulation and refrigeration etc.</li> </ul>

**1. Technology Add on for CA and Modernization (Subject to maximum of Rs.5.00 crores for CA equipment and Rs.2.50 Crore for modernization).**

S. No.	Item	Description	Admissible Cost
<b>A.</b>	<b>Add-on Technology for CA</b>		
i	CA Generator*	Inclusive of sensors, pressure equalizing equipment, controls	Rs. 1.25 crore per unit, maximum 2 generators
ii	Specialised CA Doors*	Add-on specialization to storage doors for positive pressure chambers.	Rs. 2.5 lac per door, maximum 20 doors
iii	CA Tents <sup>#</sup>	Low cost enclosure of polyethylene PVC, mylar or other impermeable body	As per original invoice, maximum 5 enclosures
iv	Programmed Logic Controller (PLC) equipment <sup>#@</sup>	Electronic and electrical logic controls for machinery & equipment.	50% of cost as per original invoice, maximum Rs 10 lakh
v	Dock Levelers <sup>#@</sup>	In existing or new storages	Max Rs. 7 lakh per unit, max 5 units
<b>B.</b>	<b>Modernization</b>		
i	Warehouse Development & Regulatory Authority (WDRA) / Negotiable Warehouse Receipt (NWR) system, equipment <sup>#@</sup>	Computers and printers & software for use with NWR of WDRA	100% of cost as per original invoice, maximum Rs. 2 lakh
ii	Specialized Packaging <sup>#</sup>	Automated packaging lines for fruits & vegetables with farm code labeling	100% of cost as per invoice, maximum Rs. 15 lakh per project
iii	High Reach Material Handling Equipment (MHE) <sup>*@</sup>	Specialized material Handling equipment	Rs. 17 lakh per unit, for max 2 units.
iv	Dock Levelers	In existing or new storages	Max Rs. 7 lakh per unit, max 5 units

v	Modernization of refrigeration <sup>@</sup>	For upgrading of evaporator system, compressor system	50% of cost as per original invoice, maximum Rs. 100 lakh @ Rs. 2500/MT
vi	Modernization of insulation <sup>@</sup>	For repair or modernizing of cold chamber insulation	50% of cost as per original invoice, maximum Rs.100 lakh @ Rs. 1500/MT
vii	Reefer Container <sup>#</sup>	Reefer container for use on existing chassis trailers	Max Rs. 6 lakh per 9MT (20 foot container)
Viii	Advanced Grader <sup>*#</sup> @	Computerized, Optical Grading Lines	100% of cost as per original invoice, max Rs. 75 lakh per line
ix	Stacking system <sup>*#</sup> @	Racking system Bins, Pallets	100% of invoice cost, max Rs 2000/MT
x	Retail Shelf <sup>#</sup>	Temperature controlled retail cabinets	Maximum Rs. 10 lakhs per establishment
xi	Alternate Technology <sup>#</sup> @	Vapour Absorption, Phase change material, Solar PV panels or Solar Thermal sys	100% of cost as per invoice, maximum Rs. 35 lakhs per project

Components categorization : \* CA Add- ONS:# Other Add-ons: and @ Modernization

Maximum permissible subsidy shall be subject to original invoices and in no case more than Rs. 7.50 crore, whichever is lower. For add-on technology, subsidy shall be provided as credit linked back ended at 35% of the capital cost.

Technology offers inherent value for operators and the admissible cost norms are designed to incentivize induction and not to serve as venture funding.

Any other components as maybe decided by Technical Committee when new technology or items that reduce carbon footprints are introduced. For individual unit components like insulation, graders, CA generator, solar panels - NCCD shall publish guidelines for use by appraising agency.

6. Technical Standards and Protocols : Project should strictly comply with the prescribed NCCD Technical standards and protocols, else the project is not eligible for any financial assistance. The standards and protocols may be accessed at the following link.

[Technical standards prescribed by NCCD](#)

NHB Protocols (*Only to the extent of protocols with regard to standards, these supersede by NCCD Standards*):

- a) [Protocols for the CS-Type-1 for fresh horticulture produce not requiring pre-cooling before storage:](#)
- b) [Protocols for the CS-Type-2 for fresh horticulture produce requiring pre-cooling before storage:](#)
- c) [Protocols for the CA Stores/ Type-3:](#)
- d) [Protocols for Fruit ripening chamber:](#)
- e) [Protocols for the Special equipment for Refrigerated transport of perishable food commodities including fresh horticulture produce:](#)