

Cold-chain and allied Components

supported by Ministry of Agriculture & Farmers Welfare under
Mission on Integrated Development of Horticulture (MIDH)

Post-Harvest Management (Normal Storage and Cold-chain Components)		
SN	Description	Cost Norms for MIDH (admissible cost)
1	Functional Pack House	Rs 4.0 lakh / unit with size of 9m x 6m.
2	Integrated (<i>modern</i>) Pack houses	Rs 50.0 lakh/ unit with throughput capacity of 16 MT/day, with facilities for conveyor belt sorting, grading, washing, drying & weighing.
3	Precooling Unit	Rs 25.0 lakh/ unit with batch capacity of 6 MT.
4	Cold Room (staging)	Rs 15.0 lakh/ unit of 30 MT storage capacity
5	Mobile Precooling Unit	Rs 25 Lac per Unit.
6	Cold Storage Type 1 : basic mezzanine structure with large chamber(> 250MT) type with Single temperature Zone	Rs 8000/MT upto 5000 MT capacity. Rs 7600/MT for capacity between 5001 to 6500 MT Rs 7200/MT for capacity between 6501 to 8000 MT Rs 6800/MT for capacity between 8001 to 10000 MT
7	Cold Storage Type 2: PEB structure for Multi-temperature and product use, more than 6 chambers (<250MT) and basic material handling equipment.	Rs 10000/MT upto 5000 MT capacity Rs 9500/MT for capacity between 5001 to 6500 MT Rs 9000/MT for capacity between 6501 to 8000 MT Rs 8500/MT for capacity between 8001 to 10000 MT
8	Refrigerated Transport Vehicles	Rs 26 lakh for 9 MT, pro-rata but not below 4 MT Rs 30.00 lakh for 15 MT, pro-rata between 9 to 15 MT.
9	Ripening Chamber	Rs 1.0 lakh/MT, ceiling of 300MT
10	Evaporative / Low Energy cool chamber	Rs 5.00 lakh/unit for 8 MT capacity
11	Low cost onion storage	Rs 1.75 lakh/unit of 25MT
12	Pusa Zero energy cool chamber	Rs 4000 / unit of 100 kg
13	Integrated Cold-chain supply system	Rs 600 lakh/project using two or more of above components
14	Integrated Post-harvest Management Projects eg. Packhouses, Ripening unit, Reefer vans, Retail Outlets, Precooling, Primary processing, etc.	Rs 145 lakhs per project. Components of postharvest management can be taken up as individual stand-alone projects as guided by norms listed above
<p>Items 1, 10, 11, 12: subsidy at 50% of total cost. Others: Credit Linked Back-ended subsidy at 35% in General areas / 50% in Hilly & Scheduled areas.</p> <p>Item 6, 7, 8 above are marked differentiated by capacity for implementing by NHB exclusively. Item 14 marked above under NHB and allows standalone components as per NHM norms</p> <p>Receipt of application is not equal to subsidy sanction. Minimum system standards must be followed. Applicants can select and multiple components with purpose to develop activity integration with existing facilities.</p>		

Details of Cold Chain Add-on Components (for CA and modernisation)		
SN	Description	Cost Norms for MIDH (admissible cost)
1	CA Generator	Rs 125 Lakh Per Unit, maximum of 2 units
2	Specialised CA doors	Rs 2.50 Lakh per door, maximum 20 doors
3	CA Tents	As per original invoice, maximum 5 enclosures
4	Programmable Logic Controller	50% of cost of original invoice, Maximum Rs 10 lakh
5	Dock Leveller System	Maximum Rs 7 Lakh per Unit, max 5 units
6	WRDA System	100 % cost of original invoice, maximum Rs 2 lakh
7	Specialised Packaging lines	100 % cost as per invoice, maximum Rs 15 lakh per project
8	High Reach handling equipment	Rs 17 Lakh per unit, for max 2 units
9	Modernisation of refrigeration	50% of cost, max Rs 100 lakh @ Rs 2500/MT capacity
10	Modernisation of insulation	50% of cost, max Rs 100 lakh @ Rs 1500/MT capacity
11	Reefer Container	Maximum Rs 6 lakhs per 9 MT (20 ft. reefer container)
12	Advanced Grader	100% of invoice cost, max Rs 75 lakhs per line
13	Stacking System	100% of invoice cost, maximum Rs 2000/MT
14	Retail Shelf/Equipment	Maximum Rs 10 lakh per establishment
15	Alternate technology (Vapour absorption, Solar, hybrids, etc.)	100% of invoice cost, maximum Rs 35 lakhs per project

Above section applies for technology add-on for all projects under NHB and NHM

Credit Linked Back-ended subsidy at 35% in General areas / 50% in Hilly & Scheduled areas.
Maximum permissible subsidy for combination of add-ons is Rs 750 lakhs

Other Cold-chain allied Components		
SN	Description	Cost Norms of MIDH (admissible cost)
1	Retail Markets/outlets (Environmentally controlled)	Rs 15 lakh/unit
2	Static/Mobile Vending cart/platform with cool chamber	Rs 30,000/unit
3	Long distance Transport Solution	Rs 2000.00 lakh

Item 1, 2: Credit Linked Back-ended subsidy at 35% in General area / 50% in Hilly & Scheduled areas.
Item 3: Subsidy at 50% of the total cost.

General Information
<p>Cost norms: Designed keeping in mind strategic development requirements and market prices but not directly reflecting the market rates of each component. Cost norms aid allocate focus to specific needs.</p> <p>System Standards: to guide and allow innovation in development of right-sized and right-type designs.</p> <p>Credit linked subsidy: Subsidy is directly linked to bank loan availed and cannot exceed the total loan amount taken. Subsidy is released after completion of infrastructure with and intention to offset credit burden. Projects must be fully financed, independent of subsidy for availing the scheme.</p>



Information Bulletin

(Ministry of Agriculture and Farmers Welfare)

“Centrally Sponsored Scheme for Cold-chain Projects”



Cold-chain logistics is a thrust area for development, and considered as part of the second green revolution. Cold-chain is an end-to-end logistics bridge and provides for uninterrupted custody of the value harvested at farm-gate, up to end-consumers. The Government of India supports the development of cold-chain through the Mission on Integrated Development of Horticulture (MIDH) of the Ministry of Agriculture and Farmers Welfare. MIDH provides several incentives to interested stakeholders and promoters. Financial assistance of 35% to 50% of admissible cost of projects is granted.

Who can apply: Private Industry, Entrepreneurs, Cooperatives, Farmer groups, PSUs.

When to apply: Scheme is demand driven and can be availed all through the year.

Where to apply: Office of local Horticulture Mission or National Horticulture Board.

Components: Modern Pack-houses with Pre-coolers, Cold Rooms, Cold Stores, Reefer Vehicles, Reefer Containers, Ripening Units, Alternate Energy, Retail shelves, Vending carts.

Requirements: Fully funded project with loan sanctioned from a nationalised Bank. Subsidy is directly linked to credit availed to incentivise owners by reducing their credit burden. The supported components are explained in the scheme Guidelines, and should abide minimum System Standards.

Guidelines & System Standards: See www.MIDH.gov.in or www.NCCD.gov.in

For more information: Contact the closest State Horticulture Department or your State's Nodal Officer for Cold-chain Development (NOCD).

Benefits of investing in Cold-chain

- Low interest loan from Warehousing Infrastructure Fund (NABARD) -
- 100% FDI through the automatic approval route, and ECB route open -
- Credit linked Subsidy to projects @ 35% to 50% of admissible costs (MIDH) -
- ST exemption on 'erection, commissioning, installation' of Cold storage & transport -
- Service Tax exemption for preconditioning, storing, transporting agricultural produce -
- Rewards of endless Demand, Smart-Bridge between rural & urban, reduce Food loss -
- Growing market for Fresh Fruits and Vegetables, domestic and international -
- Option to avail of Negotiable Warehousing Receipts as per WDRA norms -
- Investment Linked 150% Tax Deduction (Section 35-AD of IT Act) -



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www.nccd.gov.in | www.midh.gov.in