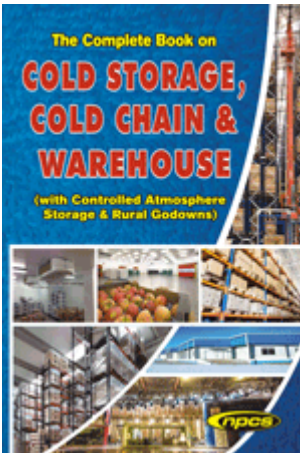


The Complete Book on Cold Storage, Cold Chain & Warehouse (with Controlled Atmosphere Storage & Rural Godowns) 2nd Edition



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India is an agricultural-based economy and is the largest producer of fruits and vegetables in the world. Fruits & vegetables, being perishable in nature require certain techniques of preservation for retaining the quality and extend the self-life of the production. The estimated annual production of fruits and vegetables in the country is about 130 million tonnes. The cold storage & cold chain facilities are the prime infrastructural component for such perishable commodities.

Cold storage is a temperature – controlled supply chain network, with storage and distribution activities carried out in a manner such that the temperature of a product is maintained in a specified range, needed to keep it fresh and edible for a much longer period than in normal ambient conditions. A cold chain can be managed by a quality management system generally called as warehouse management. India's warehousing requirement is expected to grow at an annual average rate of 9%. The Indian Government focus on incentivizing the manufacturing sector is the key to growth of warehousing. With the growth of the domestic manufacturing and retail segments, the demand for efficient warehouse management service has improved. Investment in warehouse can provide an opportunity of realizing returns in the range of 12%-20% per annum to investors willing to explore this sector.

The current scenario reveals that there is a tremendous scope for the development of cold chain facilities. The Cold Chain industry is recognized as a sunrise sector in India and is expected to offer significant opportunities in the near future. Developing an integrated supply chain, including cold chain can save up to 300 billion annually and at the same time reduce the wastage of perishable horticulture produce.

This handbook is designed to provide a thorough understanding and analysis of the cold chain industry and warehouse management. Also it contains addresses of plant & machinery suppliers with their photographs.

The major content of the book are Controlled Atmosphere Storage, Types of Cold Storage, Thermal

insulation & Refrigeration System, Refrigeration, Food Storage Guidelines for Consumers, Bananas Cold Storage, Cold Storage Plant- Automation, Absorption Refrigerator, Cold Chain, Growth of Cold Storage Industry, Cold Chain and Refrigeration, Shipping Containers, Cold Chain Monitor, Warehouse, NABARD Warehousing Scheme, Rural Godowns.

It will be a standard reference book for professionals, entrepreneurs, food technologists, those studying and researching in this important area.

Contents

1. INTRODUCTION

History of Cold Storage
Efficient Cold Storage Management
Clean and Calibrate
Know Your Hot and Cold Spots
Pre-cool
Use Humidifiers
Avoid Air Pollution
Rotate Your Product
Inspect the Quality of Your Product on Arrival
Keep Score
Selection of Location for the Cold Storage
Cold Storage Chain
Emergence of Cold Chain Logistics
Providing Temperature Controlled Environments
Refrigerated Containers

2. CONTROLLED ATMOSPHERE STORAGE

Importance of Controlled Atmosphere
Fruits and Vegetables Storage under CA
Indoor Storage
Outdoor Storage
Harvesting Apples at Optimum Maturity
Guidelines for Placing Apples into CA Storage
Temperature and Carbon Dioxide Interactions on Quality of Controlled Atmosphere-stored Apples
Pears
The Use of Cooling and Cold Storage to Stabilize and Preserve Fresh Stone Fruits
Ethylene Concentrations in Controlled Atmosphere Storage
Construction
Sealing Walls and Ceilings
Wall to Floor Joints
CA Doors
Observation Window
Penetrations

3. REFRIGERATION

Refrigerated Rail Cars
Planning a Cold Storage
Cold Store Capacity
Refrigeration Plant Requirements
Compressors
Power Requirements
Methods of Refrigeration

Capacity Rating
Factors Limiting Storage Life
Cost of Freezing
Care and Cleanliness
Working in Cold Rooms
Vapour Barriers
Types of Cold Stores
Prefabricated Cold Stores
Layout of a Typical Cold Store
The Drying Process of Potatoes
The Curing Process of Potatoes
Increasing the Temperature of the Potatoes After Storage
Electrical Installation
Substation
General Specifications for Refrigeration System
Refrigeration Processes
Thermal Insulation & Refrigeration System, Control and Safety Devices
Refrigeration Cycles
Types of Compressors
Piston Compressors
Rotary Compressors
Screw Compressors
Vapour Compression Cycle
Compressor
Condenser
Receiver
Evaporator
Rooms for machines, Electricals etc.
Typical Specifications of Refrigeration System
Vapour Absorption System
Ammonia Refrigeration System
Physical Properties
Chemical Properties
Cold Storage for Fruits and Vegetables
Storage Conditions
Temperature
Incompatibility
Cold Storage B.I.S Specification
Working in Cold Rooms
Examples of Food Processing by Refrigeration and Storage
Meat Products
Fishery Products
Dairy Products
Freezing System
Indirect Contact Systems
Plate Freezers
Freezers for Liquid Foods
Direct-Contact Systems
Immersion
4. FOOD STORAGE GUIDELINES FOR CONSUMERS
Dairy Products
Recommended Food Storage Chart
5. BANANAS COLD STORAGE

Conditions of Harvesting and Putting into Store Harvesting
Criteria of Ripeness
Qualify Characteristics for Storage and Transport
Method of Storage
6. COLD STORAGE PLANT – AUTOMATION
7. ABSORPTION REFRIGERATOR
a. Transport Handling
b. Installation of Refrigerators and Freezers
c. Maintenance
d. Choice of Refrigeration Equipment
Failures Related to Absorption Refrigerators
a. Leaks
b. Repair of Leaks on Cooling Units
c. Fuel Consumption
Comparison between Vapor Compression and Absorption System
Compressor
Condenser
Receiver
Expansion Valve
Difference Between Refrigeration and Heat Pump System
Water-Lithium Bromide Vapor Absorption Refrigeration System
Special Features of Water-Lithium Bromide Solution
8. COLD CHAIN
Cold Chain Diagram
Importance of Maintaining the Cold Chain
The Effective Cold Chain
National Centre for Cold-Chain Development
Cold Chain Development in India-Modernization of the Infrastructure of Cold Storage of Perishables
Growth of Cold Storage Industry
Verification and Validation
Components of Cold Chain
9. COLD CHAIN AND REFRIGERATION
Health Facilities in Developing Countries
Domestic (Kitchen) and Bar Refrigerators
Types of Cold Chain Refrigerators
Cold-Chain Maintenance, Repair and Replacement
Maintenance of Equipment
Distribution and Transport
Estimation of Transportation
Cold Chain and Logistics Management
Costs of Cold Chain and Logistics Management
Importance of Cold Chain and Vaccine Logistics Management
Electrical Cold Chain Equipments
Walk-in-Freezers (WIF)
Walk-in-Coolers (WIC)
Deep Freezer
Cold Chain Management
Maintenance of the Vaccine Refrigerator
Cold Box
Cold Boxes: Types and Usage
Uses
Ice Manufacture
Applications of Refrigeration in Different Food Products

Frozen Food Properties

Refrigerator Thermometers

Monitoring of the Refrigerator Temperature

Fridge Failure or Disruption of the Cold Chain

10. SHIPPING CONTAINERS

Refrigerated Container

Shipping Container Features

Comparison of Passive and Active System

Transport Operations

The Role of the Transport Operator

Distribution Vehicles

Air Circulation

Dispatching Product

Air Flow

The Essential Data Logger

11. THE COLD-CHAIN MONITOR

How to Use the Cold-Chain Monitor in Routine Forwarding of Vaccine Shipments

The Vaccine Vial Monitor

Proportion of Regional Vaccines Carrying VVMs

Recommendations on Improving Availability and Use of VVMs

Availability

Use

Cold Storage Temperature Legislation

Why Set -18°C for Thermal Stabilisation?

Vaccine Damage

Heat Damage

Solar Refrigerators

Components of Solar Refrigerator

12. WAREHOUSE

Cold Storage Warehouse Construction

Warehouse Cum Cold Storage

Central Location

Value-Adding Operation

Need for Warehousing

Types of Warehouses

Advantages

Disadvantages

Functions

Advantages of Public Warehousing

Disadvantages of Public Warehousing

Advantages of Private Warehousing

Disadvantages of Private Warehousing

Sequence of Warehousing Decisions

Determination of Storage Capacity

Fixation of Storage Charges

Storage Systems

Basic Warehouse Equipment

13. NABARD WAREHOUSING SCHEME

GOI Approved Nabard Warehousing Scheme

1. Mode of Financial Support

2. Eligible Institutions/Entities

3. Purpose/Activities

4. Priority Segments

- 5. Rate of Interest, Quantum of Support and Repayment Period
- 6. Accreditation by WDRA
- 7. Implementation Period
- Department of Storage and Marketing - Initiatives
 - A. Direct Lending to State Owned Entities
 - B. Accreditation/Registration of Warehouses
 - C. Capacity Building by Stakeholders
- 14. RURAL GODOWNS
 - Subsidy
 - Size
 - Institutional Lending
 - A. Eligible Financing Institutions
 - B. Term Loan
 - Pattern of Assistance
 - Monitoring
- 15. PLANT & MACHINERY PHOTOGRAPHS
- 16. ADDRESSES OF PLANT AND MACHINERY SUPPLIERS

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