Cold Storage, Cold Chain & Warehouse

Description:

India is an agricultural-based economy and is the largest producerof fruits and vegetables in the world. Fruits & vegetables, beingperishable in nature require certain techniques of preservation for retainingthe quality and extend the self-life of the production. The estimated annualproduction of fruits and vegetables in the country is about 130 million tonnes.The cold storage & cold chain facilities are the prime infrastructuralcomponent 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 thetemperature of a product is maintained in a specified range, needed to keep itfresh and edible for a much longer period than in normal ambient conditions. Acold chain can be managed by a quality management system generally called aswarehouse management. India'swarehousing requirement is expected to grow at an annual average rate of 9%.The Indian Government focus on incentivizing the manufacturing sector is thekey to growth of warehousing. With the growth of the domestic manufacturing andretail segments, the demand for efficient warehouse management service hasimproved. Investment in warehouse can provide an opportunity of realizing returnsin the range of 12%-20% per annum to investors willing to explore this sector.

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

This handbook is designed to provide a thorough understanding andanalysis of the cold chain industry and warehouse management. Also it containsaddresses of plant & machinery suppliers with their photographs. The majorcontent of the book are Controlled Atmosphere Storage, Types of Cold Storage,Thermal insulation & Refrigeration System, Refrigeration, Food StorageGuidelines for Consumers, Bananas Cold Storage, Cold Storage Plant-Automation,Absorption Refrigerator, Cold Chain, Growth of Cold Storage Industry, ColdChain and Refrigeration, Shipping Containers, Cold Chain Monitor, Warehouse,NABARD Warehousing Scheme, Rural Godowns.

It will be a standardreference book for professionals, entrepreneurs, food technologists, thosestudying and researching in this important area.

Keywords: Complete, Book, Cold, Storage, Chain, Warehouse, Controlled, Atmosphere, Rural, Godowns, REFRIGERATION, food, consumers, plant, automation, absorption, Temperature, machinery, suppliers,

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