

Indian Cold Storage sector

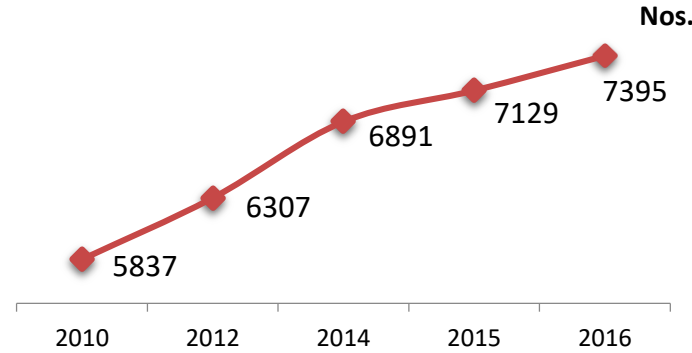
- Cold chain industry in India is fragmented with the presence of over 3,500 players; organised sector contributes around 10%
- The overall cold chain sector in India was valued at around INR 425 billion growing at 15-20% per annum
- The number of cold storages/ warehouses in India is around 7,400 nos with a total capacity of around 32 mn tonnes
- Warehousing accounts for 90% of cold chain industry in India followed by refrigerated transport

Cold Chain Industry: Infrastructure capacity (FY 15)

Type of infrastructure	Details
Integrated pack houses	250 Nos.
Reefer transport	9,000 Nos.
Cold storage	32 Mn Tonnes
Ripening chambers	800 Nos.

Source: National Center of Cold Chain Development

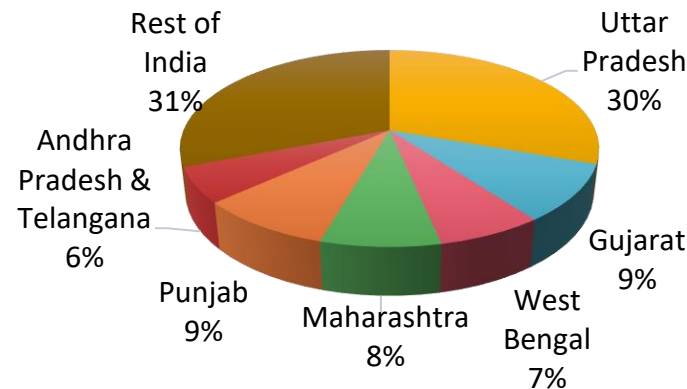
Cold Storage/ warehousing: Trends in growth, FY10-FY16



Source: National Center of Cold Chain Development

Cold Storages: Break-up by states, FY16

Total Cold Storages: approx. 7,400



Source: National Center of Cold Chain Development

Key end user segments for cold chains in India

- | | |
|-----------------------|-----------------------------|
| • Confectionery | • Poultry |
| • Dairy products | • Quick Service Restaurants |
| • Fruits & vegetables | • Ready to Cook |
| • Ice Cream | • Seafood |
| • Pharmaceuticals | |

- Dairy sector uses around 25% of the refrigerated transportation capacity
- Demand for cold chain from fruits & vegetables is witnessing growth at over 30% followed by QSRs and ice creams at over 25% per annum

Recent developments

- Cold chains were accorded infrastructure status by the Ministry of Finance, Government of India in 2011-12 to expedite development in the industry
- In 2017, the Centre has sanctioned 101 new integrated cold chain projects entailing a total investment of INR 3,100 crore for creation of modern infrastructure for the food processing sector. The 101 new projects across fruits and vegetables, dairy, fish, meat, marine, poultry, ready-to-eat/ready-to-cook sectors is set to create additional capacity of 2.76 lakh MT of cold storage/controlled atmosphere/frozen storage.

Source: Industry sources