### Controlled Atmosphere Cold Storage

<table>
<thead>
<tr>
<th>Capacity:</th>
<th>Seasonal Commodity: 11 MT/Day, Cold Storage (Rental): 44 MT/Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant and machinery cost:</td>
<td>365.00 Lakh</td>
</tr>
<tr>
<td>Working Capital:</td>
<td>0.00 Lakh</td>
</tr>
<tr>
<td>Rate of return (ROR):</td>
<td>19.00 %</td>
</tr>
<tr>
<td>Break Even Point (BEP):</td>
<td>45.00 %</td>
</tr>
<tr>
<td>TCI:</td>
<td>1022.00 Lakh</td>
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<tr>
<td>Cost of Project:</td>
<td>1022.00 Lakh</td>
</tr>
</tbody>
</table>
Controlled atmosphere (CA) storage involves maintaining an atmospheric composition that is different from
air composition (about 78% N2, 21% O2, and 0.03% CO2); generally, O2 below 8% and CO2 above 1%
are used. Controlled atmosphere storage is a system for holding produce in an atmosphere that differs
substantially from normal air in respect to CO2 and O2 levels. Controlled atmosphere storage refers to the
constant monitoring and adjustment of the CO2 and O2 levels within gas tight stores or containers. The gas
mixture will constantly change due to metabolic activity of the respiring fruits and vegetables in the store
and leakage of gases through doors and walls. The gases are therefore measured periodically and
adjusted to the predetermined level by the introduction of fresh air or nitrogen or passing the store
atmosphere through a chemical to remove CO2. The use of controlled atmosphere storage has great
potential to reduce the postharvest use of chemicals, maintain the nutritional quality of fruits and vegetables
and reduce physical losses. This revised edition incorporates the latest research to provide a
comprehensive and up-to-date overview of the range of conditions currently in use, their effect on flavour,
quality and physiology, the influence of pests and diseases, environmental factors and packaging as well as
a synthesis of recommendations for each fruit and vegetable. The Indian agricultural sector is witnessing a
major shift from traditional farming to horticulture, meat and poultry and dairy products, all of which are
perishables. The demand for fresh and processed fruits and vegetables is increasing as urban populations
rise and consumption habits change. Therefore, it is a good project for entrepreneurs to invest.

Few Indian Major Players are as under:
• Allana Cold Storage Ltd.
• Anjaneya Cold Storage Ltd.
• Asvini Fisheries Pvt. Ltd.
• H M G Industries Ltd.
• Hindusthan Ice & Cold Storage Co. Ltd.
• Ideal Ice & Cold Storage Co. Ltd.
• Indagro Foods Ltd.
• Jindal Steel & Alloys Ltd.
• Karnavati Cold Storage Ltd.
• Karnimata Cold Storage Ltd.
• Kisan Cold Storage & Refrigeration Service Ltd.
• Mohan Meakin Ltd.
• Nav Bharat Refrigeration & Inds. Ltd.
• Prabhu Hira Ice & Cold Storage Ltd.
• Ram’S Assorted Cold Storage Ltd.
• Sri Vatsa Hotels Ltd.
• Universal Cold Storage Pvt. Ltd.
• Uptown Trading & Investments Ltd.

Tags
Are you planning to set up Potato Cold Storage, Business consultancy, Business consultant, Business Planning Cold Storage & Warehouse, Business Planning for a Cold Storage Facility - Cold room, cold storage (controlled atmosphere or ca) for potato, cold storage business, cold storage business model, cold storage business opportunity, cold storage business plan ppt, Cold Storage Consultant, cold storage cost of construction, cold storage for plantation and horticulture produce, cold storage industry trends, cold storage investment cost, cold storage profit and loss, cold storage project cost in India, Cold Storage Scheme, Cold Storage Unit for Fresh Onions - Vibrant Gujarat, Cold Storage unit Projects, cold storage warehouse

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