



Onion Processing and Onion Products

Introduction

Onion is one of major bulb crop grown in India which presently attracting attention of all persons due to rise in prices. Both immature and mature bulbs are used as vegetable and condiment. The Onion is the world's leading news publication, offering highly acclaimed, universally revered coverage of breaking national, international, and local news events.

Onions not only provide flavor, they also provide important nutrients and health-promoting phytochemicals. It contains vitamin B and a trace of vitamin C and also traces of iron and calcium. As a culinary ingredient it adds to the taste and flavour in a wide range of food preparations and it is also used as a salad. Thus there is a steady increase in the demand for onion across the world.

The onion, also known as the bulb onion or common onion, is used as a vegetable and is the most widely cultivated species of the genus *Allium*. Consumption of onions may prevent gastric ulcers by scavenging free radicals and by preventing growth of the ulcer-forming microorganism, *Helicobacter pylori*. Onions are cultivated and used around the world. As a foodstuff they are usually served cooked, as a vegetable or part of a prepared savoury dish,

but can also be eaten raw or used to make pickles or chutneys. Our main export products are Dehydrated Red and White Onions in various forms like slices, flakes, kibbled, chopped, minced, granules and powder.

Dehydrated Onion

The onions are perishable commodity and cannot be stored for a long time after harvest in an ordinary conditions. Dehydration is simply, effective and economical for preserving the onions during seasons of abundance and using them during off seasons. Dehydrated Onions have been produced in small quantities since the nineteenth century.

A 100 percent export oriented unit is one, which would export its entire production, except for the permitted levels of rejects.

Onion is mainly exported in the form of dehydrated onion, canned onion and onion pickle. When establishing a dehydration industry, considerable thought should be given to the procurement of fresh onions for dehydration.

To operate a dehydration plant efficiently, a constant supply of onions is required and this involves considerable organization. Ideally a dehydration factory should handle only one type of onion over long periods, so as to avoid the necessity of cleaning down all the machinery and altering the grading and cutting settings etc. when changing from one variety to another.

Advantages

- Dehydrated onions are a great food storage item.
- They are cheap to pack compared with canned goods.
- They do not require refrigerated storage as do frozen onions.
- Dehydrated onions will make your meals easy and delicious.
- Dried onions can be used just like fresh onions. Easily reconstituted either by adding them to dishes with lots of cooking liquid like soup, stew, chili, etc.

All onions for processing are grown from specific varieties best suited for dehydration. Specific strains of the Creole Onion, Southport Globe Onion, and the Hybrid Southport Globe were developed by the dehydration industry. They are white in color and process a higher solid content which yields a more flavorful and pungent onion.

Onion dehydration using a continuous conveyor dryer involves the following basic steps:

- a) Harvesting,
- b) Transporting To The Plant,
- c) Curing,
- d) Washing,
- e) Slicing,
- f) Dehydration In Three To Four stages,
- g) Milling, and
- h) Packaging

Major Queries/Questions Answered in the Report?

1. What is Onion Processing industry?
2. How has Onion Processing industry performed so far and how will it perform in the coming years?
3. What is the Project Feasibility of Onion Processing Plant?
4. What are the requirements of Working Capital for setting up Onion Processing plant?
5. What is the structure of Onion Processing industry and who are the key/major players?

6. What is the total project cost for setting up Onion Processing plant?
7. What are the operating costs for setting up Onion Processing plant?
8. What are the machinery and equipment requirements for setting up Onion Processing plant?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Onion Processing plant?
10. What are the requirements of raw material for setting up Onion Processing plant?

- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Onion Processing plant?**
- 12. What is the Manufacturing Process and Formulations of Onion Processing plant?**
- 13. What is the total size of land required for setting up Onion Processing plant?**
- 14. What will be the income and expenditures for Onion Processing plant?**
- 15. What are the Projected Balance Sheets of Onion Processing plant?**

16. What are the requirement of utilities and overheads for setting up Onion Processing plant?
17. What is the Built up Area Requirement and cost for setting up Onion Processing plant?
18. What are the Personnel (Manpower) Requirements for setting up Onion Processing plant?
19. What are Statistics of Import & Export for Onion Processing Industry?
20. What is the time required to break-even?

- 21. What is the Break-Even Analysis of Onion Processing plant?**
- 22. What are the Project financials of Onion Processing plant?**
- 23. What are the Profitability Ratios of Onion Processing plant?**
- 24. What is the Sensitivity Analysis-Price/Volume of Onion Processing plant?**
- 25. What are the Projected Pay-Back Period and IRR of Onion Processing plant?**

- 26. What is the Process Flow Sheet Diagram of Onion Processing plant?**
- 27. What are the Market Opportunities for setting up Onion Processing plant?**
- 28. What is the Market Study and Assessment for setting up Onion Processing plant?**
- 29. What is the Plant Layout for setting up Onion Processing plant?**

Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Onion based Products:-

➤ **Dehydrated Onion & Onion Powder:** Dehydrated Onions have been produced in small quantities since the nineteenth century. Onion is an important vegetable crop grown in India and forms a part of daily diet in almost all households throughout the year. India is the second....[Read more](#)

Capacity:	1800 MT/Annum
Plant and Machinery cost:	224.00 Lakhs
Rate of Return (ROR):	44.00%
Break Even Point (BEP):	41.00 %
Cost of Project:	672.00Lakhs

➤ **Onion Powder:** The onions are perishable commodity and cannot be stored for a long time after harvest in an ordinary conditions. Dehydration is simply, effective and economical for preserving the onions during seasons.....[Read more](#)

Capacity:	1.5 MT/Day
Plant and Machinery cost:	65.00 Lakhs
Rate of Return (ROR):	50.00%
Break Even Point (BEP):	41.00 %
Cost of Project:	220.00Lakhs

➤ **Dehydrated Onion (100% EOU):** They do not require refrigerated storage as do frozen onions and the contents of a container can be used some time after opening provided they are not dehydrated. When establishing a dehydration industry.....[Read more](#)

Capacity:	13.6 MT/ Day
Plant and Machinery cost:	184.00 Lakhs
Rate of Return (ROR):	50.00%
Break Even Point (BEP):	32.00 %
Cost of Project:	1259.00Lakhs

➤ **Onion Storage:** Storing of onion means controlling the respiratory system in such a way that there is no formation of dead cell in the body or formation of dead cells are very negligible amount for a certain period of time.....[Read more](#)

Capacity:	950 MT
Plant and Machinery cost:	7.00 Lakhs
Rate of Return (ROR):	22.62%
Break Even Point (BEP):	68.24 %
Cost of Project:	65.00Lakhs

For more details visit at: <http://goo.gl/DJuCly>

Niir Project Consultancy Services (NPCS) can provide Process Technology Book on Onion & Garlic Cultivation with Processing (Production of Onion Paste, Flakes, Powder & Garlic Paste, Powder, Flakes, Oil)

Onion and garlic are the spice commodities used for flavouring the dishes. These are considered as valuable medicinal plants offer variety of medicinal properties. Onion & garlic are important commercial crops with versatile applications.

The demand for the processed products is increasing day by day due to its convenience to handle and use. Onion & garlic can be processed into a wide variety of products. As per the estimate, approximately 6.75% of the onion produced is being processed. Besides fulfilling the constant demand of domestic population, India exports 13 to 18 lakh tons of onion annually worth around Rs. 2200 crores of foreign exchange revenue.

Similarly in case of garlic, the production increased from 4.03 lakh tons to 12.26 lakh tons.

Proper placement of onion & garlic products (like; onion pickle, onion chutney, onion paste, garlic oil, garlic paste, garlic powder, garlic flakes, onion flakes, onion powder) in the departmental stores.....[Read more](#)

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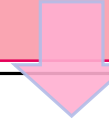
- *Project Identification*
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- *We use authentic & reliable sources to ensure business precision*

Our Approach

Requirement collection



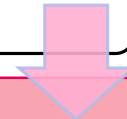
Thorough analysis of the project



Economic feasibility study of the Project



Market potential survey/research



Report Compilation

Who do we serve?

- *Public-sector Companies*
- *Corporates*
- *Government Undertakings*
- *Individual Entrepreneurs*
- *NRI's*
- *Foreign Investors*
- *Non-profit Organizations, NBFC's*
- *Educational Institutions*
- *Embassies & Consulates*
- *Consultancies*
- *Industry / trade associations*

Sectors We Cover

- *Ayurvedic And Herbal Medicines, Herbal Cosmetics*
- *Alcoholic And Non Alcoholic Beverages, Drinks*
- *Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin*
- *Activated Carbon & Activated Charcoal*
- *Aluminium And Aluminium Extrusion Profiles & Sections,*
- *Bio-fertilizers And Biotechnology*
- *Breakfast Snacks And Cereal Food*
- *Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling*

- *Bamboo And Cane Based Projects*
- *Building Materials And Construction Projects*
- *Biodegradable & Bioplastic Based Projects*
- *Chemicals (Organic And Inorganic)*
- *Confectionery, Bakery/Baking And Other Food*
- *Cereal Processing*
- *Coconut And Coconut Based Products*
- *Cold Storage For Fruits & Vegetables*
- *Coal & Coal Byproduct*

- *Copper & Copper Based Projects*
- *Dairy/Milk Processing*
- *Disinfectants, Pesticides, Insecticides, Mosquito Repellents,*
- *Electrical, Electronic And Computer based Projects*
- *Essential Oils, Oils & Fats And Allied*
- *Engineering Goods*
- *Fibre Glass & Float Glass*
- *Fast Moving Consumer Goods*
- *Food, Bakery, Agro Processing*

- *Fruits & Vegetables Processing*
- *Ferro Alloys Based Projects*
- *Fertilizers & Biofertilizers*
- *Ginger & Ginger Based Projects*
- *Herbs And Medicinal Cultivation And Jatropha (Biofuel)*
- *Hotel & Hospitality Projects*
- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

- *Infrastructure Projects*
- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*

- *Paints, Pigments, Varnish & Lacquer*
- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*

- *Potato And Potato Based Projects*
- *Printing And Packaging*
- *Real Estate, Leisure And Hospitality*
- *Rubber And Rubber Products*
- *Soaps And Detergents*
- *Stationary Products*
- *Spices And Snacks Food*
- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*

- *Township & Residential Complex*
- *Textiles And Readymade Garments*
- *Waste Management & Recycling*
- *Wood & Wood Products*
- *Water Industry(Packaged Drinking Water & Mineral Water)*
- *Wire & Cable*

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