

# **Onion Powder - Market Survey cum Detailed Techno Economic Feasibility Project Report**

# Introduction

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*. 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. They are pungent when chopped and contain certain chemical substances which irritate the eyes.



Onion is one of major bulb crop grown in India which presently attracting attention of all persons due to rise in prices. The price is directly related to supply-Demand of the commodity. An Indian farmer normally pays more attention to grow those crops which are fetched very good market prices during last season.



To get the very good prices during present season, many farmers switch to grow Onion crop due to which supply in the market increases many fold and market glut fetches very low prices to farmers commodity such as onions. To stabilize the prices of fruits and vegetables and reduce the post harvest losses, drying of onion in form flakes and onion powder is adopted.

# Uses

Dehydrated onions are used chiefly as a constituent in various food products i.e. they are sold to manufacturing concerns as an industrial raw material and demand for dehydrated onions is a function of the demand of these food products. However there is a demand for dehydrated onions for use as culinary onions, both by large catering concerns - institutions and industrial canteens; and for domestic use.

The other use of dehydrated onions is in the manufacture of dried soups-once virtually the sole outlet for these products, but now declining in relative importance, as other applications including use in canned soups and stews, baby foods, fish, meat and bakery products and more recently in dried 'ready-meals' have been developed.

During the last few years the fruit and vegetable processing industry has expanded considerably. Bulk of the production consists of Jams/Jellies, fruit juices/pulps, ready-serve fruit beverages and pickles. The major outlets for the products of this industry are the institutional sectors such as Hotels, Restaurants, Defence Establishment and the Export market.

The domestic and house hold sectors consume about 10% of the total production of processed fruits and vegetables. Food processing sector is one of the largest sectors in India in terms of production, growth, consumption, and export. As a whole it is a good project for entrepreneurs for investment. Any entrepreneur venture into this field will be successful.

# **Few Indian Major Players are as under**

- **Aarkay Food Products Ltd.**
- **Coduras Exports Ltd.**
- **Gujarat Dehyd Foods Ltd.**
- **Jain Irrigation Systems Ltd.**
- **L M P Gujarat Agro Exports Ltd.**
- **Orient Vegetexpo Ltd.**
- **S Y P Agro Foods Ltd.**
- **Tirupati Vegpro (India) Ltd.**
- **Unique Organics Ltd.**

# PROJECT AT A GLANCE

| PROJECT AT A GLANCE             |             |               |               | (Rs. in lacs)               |             |               |               |
|---------------------------------|-------------|---------------|---------------|-----------------------------|-------------|---------------|---------------|
| COST OF PROJECT                 |             |               |               | MEANS OF FINANCE            |             |               |               |
| Particulars                     | Existing    | Proposed      | Total         | Particulars                 | Existing    | Proposed      | Total         |
| Land & Site Development Exp.    | 0.00        | 35.00         | 35.00         | Capital                     | 0.00        | 98.94         | 98.94         |
| Buildings                       | 0.00        | 178.50        | 178.50        | Share Premium               | 0.00        | 0.00          | 0.00          |
| Plant & Machineries             | 0.00        | 70.33         | 70.33         | Other Type Share Capital    | 0.00        | 0.00          | 0.00          |
| Motor Vehicles                  | 0.00        | 10.00         | 10.00         | Reserves & Surplus          | 0.00        | 0.00          | 0.00          |
| Office Automation Equipments    | 0.00        | 32.50         | 32.50         | Cash Subsidy                | 0.00        | 0.00          | 0.00          |
| Technical Knowhow Fees & Exp.   | 0.00        | 25.00         | 25.00         | Internal Cash Accruals      | 0.00        | 0.00          | 0.00          |
| Franchise & Other Deposits      | 0.00        | 0.00          | 0.00          | Long/Medium Term Borrowings | 0.00        | 296.81        | 296.81        |
| Preliminary & Pre-operative Exp | 0.00        | 5.00          | 5.00          | Debentures / Bonds          | 0.00        | 0.00          | 0.00          |
| Provision for Contingencies     | 0.00        | 7.00          | 7.00          | Unsecured Loans/Deposits    | 0.00        | 0.00          | 0.00          |
| Margin Money - Working Capital  | 0.00        | 32.41         | 32.41         |                             |             |               |               |
| <b>TOTAL</b>                    | <b>0.00</b> | <b>395.74</b> | <b>395.74</b> | <b>TOTAL</b>                | <b>0.00</b> | <b>395.74</b> | <b>395.74</b> |



# PROJECT AT A GLANCE

| Year | Annualised |       | Book Value | Debt  | Dividend  | Retained Earnings |       | Payout | Probable Market Price | P/E Ratio   | Yield Price/ Book Value |
|------|------------|-------|------------|-------|-----------|-------------------|-------|--------|-----------------------|-------------|-------------------------|
|      | EPS        | CEPS  | Per Share  |       | Per Share | Per Share         |       |        |                       | No.of Times |                         |
|      | Rs         | Rs    | Rs         | Rs    | Rs        | %                 | Rs    | %      | Rs                    |             | %                       |
| 1-2  | 5.34       | 9.09  | 15.34      | 24.00 | 0.00      | 100.00            | 5.34  | 0.00   | 5.34                  | 1.00        | 0.00                    |
| 2-3  | 8.87       | 12.20 | 24.21      | 18.00 | 0.00      | 100.00            | 8.87  | 0.00   | 8.87                  | 1.00        | 0.00                    |
| 3-4  | 12.26      | 15.23 | 36.47      | 12.00 | 0.00      | 100.00            | 12.26 | 0.00   | 12.26                 | 1.00        | 0.00                    |
| 4-5  | 15.47      | 18.11 | 51.94      | 6.00  | 0.00      | 100.00            | 15.47 | 0.00   | 15.47                 | 1.00        | 0.00                    |
| 5-6  | 18.46      | 20.82 | 70.39      | 0.00  | 0.00      | 100.00            | 18.46 | 0.00   | 18.46                 | 1.00        | 0.00                    |



# PROJECT AT A GLANCE

| Year    | D. S. C. R.       |            |         | Debt / -<br>Deposits<br>Debt | Equity as-<br>Equity | Total<br>Net<br>Worth | Return<br>on Net<br>Worth | Profitability Ratio |        |       |                         |              | Assets<br>Turnover<br>Ratio | Current<br>Ratio |
|---------|-------------------|------------|---------|------------------------------|----------------------|-----------------------|---------------------------|---------------------|--------|-------|-------------------------|--------------|-----------------------------|------------------|
|         | Individual        | Cumulative | Overall |                              |                      |                       |                           | GPM                 | PBT    | PAT   | Net<br>Contribut<br>ion | P/V<br>Ratio |                             |                  |
|         | (Number of times) |            |         | (Number of times)            |                      | %                     | %                         | %                   | %      | %     |                         | %            |                             |                  |
| Initial |                   |            |         | 3.00                         | 3.00                 |                       |                           |                     |        |       |                         |              |                             |                  |
| 1-2     | 1.33              | 1.33       |         | 1.56                         | 1.56                 | 2.50                  |                           | 18.71%              | 6.25%  | 4.19% | 489.10                  | 38.82%       | 2.48                        | 1.02             |
| 2-3     | 1.72              | 1.52       |         | 0.74                         | 0.74                 | 1.43                  |                           | 20.34%              | 9.25%  | 5.97% | 570.25                  | 38.79%       | 2.62                        | 1.29             |
| 3-4     | 2.17              | 1.72       | 2.15    | 0.33                         | 0.33                 | 0.84                  |                           | 21.44%              | 11.33% | 7.22% | 651.71                  | 38.79%       | 2.59                        | 1.64             |
| 4-5     | 2.69              | 1.93       |         | 0.12                         | 0.12                 | 0.52                  |                           | 22.16%              | 12.77% | 8.10% | 733.16                  | 38.79%       | 2.47                        | 2.03             |
| 5-6     | 3.30              | 2.15       |         | 0.00                         | 0.00                 | 0.33                  |                           | 22.63%              | 13.74% | 8.69% | 814.62                  | 38.79%       | 2.30                        | 3.09             |

# PROJECT AT A GLANCE

## BEP

|                                     |        |
|-------------------------------------|--------|
| BEP - Maximum Utilisation Year      | 5      |
| Cash BEP (% of Installed Capacity)  | 61.69% |
| Total BEP (% of Installed Capacity) | 64.56% |

## IRR, PAYBACK and FACR

|                                               |                  |
|-----------------------------------------------|------------------|
| Internal Rate of Return .. ( In %age )        | 29.38%           |
| Payback Period of the Project is ( In Years ) | 2 Years 3 Months |
| Fixed Assets Coverage Ratio ( No. of times )  | 9.888            |



# Table of Contents of the Project Report

# **1. Solapur: District Profile & Geotechnical Site Characterization**

- 1.1. General**
- 1.2. Geography**
- 1.3. Map**
- 1.4. Transport**
- 1.5. Economy**

## **2. Introduction**

- 2.1. Terminology**

## **3. Properties**



## **4. Uses of Dehydrated Onions**

## **5. Products Specifications**

**5.1. Dehydrated Onion Powder**

**5.2. Dehydrated Onion Chopped**

**5.3. Product Specification**

## **6. B.I.S. Specification**

**6.1. IS: 4452 – Dehydrated Onions**

## **7. Market Survey**

**7.1. Market Potential:**

**7.2. Growth Drivers**

## **8. Financials & Comparison of Major Indian Players/Companies**

**8.1. About Financial Statements of CMIE Database**

**8.2. Profits & Appropriations**

**8.3. Total Liabilities**

**8.4. Total Assets**

**8.5. Net Cash Flow from Operating Activities**

**8.6. Section – I**

**8.6.1. Name of Company with Contact Details**

**8.6.2. Name of Director(s)**

**8.6.3. Plant Capacity**

**8.6.4. Location of Plant**

**8.6.5. Name of Raw Material(s) Consumed with Quantity & Cost**

## 8.7. Section – II

- 8.7.1. Assets
- 8.7.2. Cash Flow
- 8.7.3. Cost as % Age of Sales
- 8.7.4. Forex Transaction
- 8.7.5. Growth in Assets & Liabilities
- 8.7.6. Growth in Income & Expenditure
- 8.7.7. Income & Expenditure
- 8.7.8. Liabilities
- 8.7.9. Liquidity Ratios
- 8.7.10. Profitability Ratio
- 8.7.11. Profits
- 8.7.12. Return Ratios
- 8.7.13. Structure of Assets & Liabilities (%)
- 8.7.14. Working Capital & Turnover Ratios

## **9. Export & Import Statistics Data of India**

**9.1. Export Statistics Data for Onion Powder**

**9.2. Import Statistics Data for Onion Powder**

## **10. Present Manufacturers**

## **11. Manufacturing Process**

## **12. Dehydration Method & Dehydrator**

## **13. Process Flow Diagram**

## **14. Process Flow Steps**

- 15. Packaging & Storage Technique**
- 16. Suppliers of Plant & Machinery**
- 17. Suppliers of Raw Materials**
- 18. Plant Layout**
- 19. Product, Raw Material & Machinery Photographs**
  - 19.1. Dehydrated Onion Powder**
- 20. Quotation of Plant, Machinery and Equipments from Supplier**



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# Who are we?

- *One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services*
- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*



# What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Technology Books and Directory*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*



## How are we different ?

- *We have two decades long experience in project consultancy and market research field*
- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *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*



# Sectors We Cover Cont...

- *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*



# Sectors We Cover Cont...

- *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*



# Sectors We Cover Cont...

- *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*



# Sectors We Cover Cont...

- *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.*



# Sectors We Cover Cont...

- *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.*



# Sectors We Cover Cont...

- *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*



## Sectors We Cover Cont...

- *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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