
Production of Tomato, Onion, Mango, Pomegranate and Papaya Powder.

Fruits & Vegetables Processing Industry

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Introduction

Fruit Powder

Fruit powder is dried fruit that's been finely ground. Fruit powder can be used in place of artificial flavoring to flavor just about anything. However, fruit powder truly shines in desserts where the moisture balance is very important.

- Mango fruit powder
- Pomegranate fruit powder
- Papaya fruit powder
Mango Fruit Powder

Mango powder is ground from tart, unripe mangos which are sliced and sun-dried before grinding. Also known as anchor or anchor powder, mangos are native to Southwest Asia. Most of us are familiar with mango’s delicious sweetness.
This powder is actually the opposite; it’s a little bitter and quite sour. Mango powder is not actually a “spice” but it can be used as one to add sourness in the same way tamarind, lemon or lime juice does.

This powder is most associated with Northern Indian cooking as it is used in their vegetarian dishes, curries, chutneys, pastries, soups and marinades.
Pomegranate Fruit Powder

Pomegranate fruit is berry like with a leathery rind (husk or peel) enclosing many seeds surrounded by juicy arils. Pomegranate seed oil (PSO) contains an exceptional conjugated fatty acid called pumices acid (trienoic acid) that makes up approximately 65% to 80% of the oil from pomegranate seeds.
Papaya Fruit Powder

Papayas contain an enzyme called papain that aids digestion; in fact, it can be used as a meat tenderizer. Papaya is also high in fiber and water content, both of which help to prevent constipation and promote regularity and a healthy digestive tract.
Vegetable Powders

Vegetable powders can be used singly or combined with fruit powders to form a powerful blend of nutritional benefits, including fiber, vitamins and phytonutrients in nutraceuticals supplements. Vegetable powders also contain carotenoids that can neutralize free radicals, to help prevent cell damage.

- Tomato
- Onion
Tomato Powder

Tomato powder is the perfect supplement to spruce up any dish in need of that classic tomato flavor. It's delicious with eggs, soups, or sauces, and even blended in smoothies. Tomato powder is made from dehydrated tomatoes and delivers a rich source of lycopene, vitamin C, and many other protective nutrients.
Onion Powder

Onion powder is dehydrated, ground onion that is commonly used as a seasoning. It is a common ingredient in seasoned salt and spice mixes, such as beau monde seasoning. Some varieties are prepared using toasted onion. White, yellow and red onions may be used. Onion powder is a commercially prepared food product that has several culinary uses. Onion powder can also be homemade.
Market Outlook

Tomato Powder

The global Tomato Powder Market is expected to garner a revenue of 1100 million by 2024 with 3.5% during the forecast period of 2019–2024. Tomato processed into dried powder for use in different food & beverage applications, as an ingredient, is referred to as tomato powder. Surging demand for natural ingredients in food products and beverages is amongst the vital determinants driving the market growth of tomato powder. Additionally, the growth of the application markets such as bakery & confectionery, infant nutrition, beverages, and convenience food products is also catalyzing market growth.
Dried tomato powder offers an extended shelf life as compared to fresh tomatoes; thus, tomato powder is gaining demand as a suitable replacement for fresh tomatoes. However, fluctuations in the supply of fresh tomatoes as raw material due to post-harvest losses and frequently changing weather are creating hurdles in the growth of the tomato powder industry. The market players are expected to witness profitable opportunities during the upcoming years due to the hike in the demand for organic food ingredients and launch of new flavored food products and beverages.
Segmentation Of Tomato

The global tomato powder market has been segmented based on process, category, application, and region. By process, the global market has been classified as hot break and cold break. The global market has also been segregated, on the basis of category, into organic and conventional.

Based on application, the market is segregated into, bakery & confectionery, dairy & frozen desserts, beverages, infant nutrition, sweet & savory snacks, curries, gravies & soups, and others. The global market has been studied with regard to four key regions—North America, Europe, Asia-Pacific, and the rest of the world.
The North American tomato powder market has further been segmented into the US, Canada, and Mexico.

The European tomato powder market has been classified as the UK, Germany, France, Italy, Spain, and the rest of Europe.

The tomato powder market in Asia-Pacific has been divided into China, India, Japan, Australia and New Zealand, and the rest of Asia-Pacific.

The tomato powder market in the rest of the world has been segmented into South America, the Middle East, and Africa.
Onion Powder Market: Market Dynamics

Key drivers behind the increasing demand for onion powder in the global market are due to its taste, flavor and unique blend of onion in food products.

Increasing demand for frozen and canned food products in developing countries is increasing the demand for onion powder products in the global market owing to increase in the cost of living, higher per-capita food expenditure and others are key factors driving the growth of onion powder in the market.
Rise in demand for processed and semi-processed food in the global food industry is growing and demand for specialized products such as ready-to-eat foods, frozen food products is especially increasing among teenagers and young population. Growing demand of products such as frozen pizzas, salad dressings, sauces, and in other fast food and ready to food products is expected to increase the demand for onion powder in the global food industry.

**Onion Powder Market: Market Segmentation**

Onion powder market is segmented on two different basis which includes by type, by nature, and by end-use. On the basis of market segment by type, onion powder segment is segmented into red onion powder and white onion powder and by nature,
onion powder is segmented into organic onion powder and conventional onion powder. Awareness among consumers about organic certified food products is increasing owing to increasing demand for organic food products in the global market.

Moreover, consumer perceives organic certification as a guarantee of authenticity of the product and its nutrients and owing to this the demand for organic onion powder is expected to increase higher rate in compare to conventional onion powder.

onion powder is segmented on the basis of end-use, this segment includes ready to eat food, frozen and canned food, pizzas and burgers, salad dressings, soups and sauces, food service industry, household, and others.
The demand for onion powder is also robustly growing in food service industry and fast food manufacturers as it has wide application in food preparation, culinary food and also to give unique taste and flavor in food products. On the other side, onion powder also gaining its demand in the global level market as a flavoring and filling ingredient as it has wide application in ready to eat meals, meat based products, and especially among the frozen food.
Fruits and Vegetable Powder Market

With the shift in preferences of health-conscious customers, manufacturers in the food industry are focusing on utilizing health benefiting food products. To offer healthy food products, food manufacturers are converting raw fruits and vegetables into the powdered form. In order to develop innovative food products with different flavors, food industries and food retail outlets are utilizing fruits and vegetable powder as an important ingredient. Fruits and vegetable powder is considered to be an excellent way of providing off seasonal fruits’ and vegetables’ flavor in food items. In the global fruits and vegetable market, the demand for fruits and vegetable powder will majorly come from the Asia Pacific and North America. The Asia Pacific is the world’s largest producer of fruits and vegetable powder.
Growing Demand For Fruits And Vegetable Powder From Food And Beverages Industries:

In the global market, the demand for fruits and vegetable powder is increasing due to the increasing vegan population throughout the globe. Fruits and vegetable powder is easy to store and also increases the shelf life of products. That apart, this powder can also be served in the offseason. Within the food and beverage industry, the fruits and vegetable powder is added to add taste and flavor to drinks and food items. Along with this, the use of this powder also helps in stabilizing the prices of fresh fruits and vegetables during the start of the season. Leading firms are concentrating on innovative and application-specific products to remain at the forefront of the global market. The global fruit powder market size is expected to reach USD 23.96 billion by 2025 as a result of a positive outlook towards the nutraceuticals industry.
Consumers are continuously striving for the fulfillment of their nutritional intake through functional food and drinks. Rising awareness regarding the importance of micronutrients including vitamins, minerals, and amino acids has resulted in increased product demand. With changing lifestyle patterns, consumers are inclined towards convenience food meeting specific nutritional requirements. The aforementioned trends have resulted in growth in demand for nutraceuticals and thus, in turn, will fuel market for fruit powder.

Rising spending by international organizations on the development of preventive measures for cancer is expected to remain a key trend in the fruit powder market. In addition, growing consumer awareness about preventive healthcare to avoid the occurrences of numerous diseases impacting heart and brain health is projected to increase the spending for the fortification of fruit powder as a functional ingredient in the food and beverage product formulations.
Global Fruit Powder Market, By Application, 2015 - 2025 (USD Billion)
Global Fruit Powders Market: Growth Drivers

The global fruit powders market driving factors are increasing demand for variety of fruit powders health drinks that contains high amount of vitamins and minerals and antioxidants. The fruit powders market is estimated to have growth potential in developing and developed countries as a result of consumer preference towards health drinks along with variety of fruit flavors in the drinks. Fruit powders are convenient and economical substitute to fresh fruits in various different applications.
The use of fruit powders in infant formulas is seen to have robust growth due to consumer preference towards fruit flavored infant formula which also provides essential vitamins and minerals for infants.

Along with increasing usage of fruit powders in various industries and economic potential by increased fruit production in the market, the global fruit powders market is expected to observe robust growth over the forecast period.
Machinery Photographs

Grinder

Dryer

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Fruit Washer
## Project at a Glance

### Cost of Project

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<thead>
<tr>
<th>Particulars</th>
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## Project at a Glance

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### Project at a Glance

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### Project at a Glance

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Major Queries/Questions Answered in the Report?

1. What is Fruits & Vegetables Powder Manufacturing industry?

2. How has the Fruits & Vegetables Powder Manufacturing industry performed so far and how will it perform in the coming years?

3. What is the Project Feasibility of Fruits & Vegetables Powder Manufacturing Plant?

4. What are the requirements of Working Capital for setting up Fruits & Vegetables Powder Manufacturing plant?
5. What is the structure of the Fruits & Vegetables Powder and who are the key/major players?

6. What is the total project cost for setting up Fruits & Vegetables Powder?

7. What are the operating costs for setting up Fruits & Vegetables Powder?

8. What are the machinery and equipment requirements for setting up Fruits & Vegetables Powder?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Fruits & Vegetables Powder?

10. What are the requirements of raw material for setting up Fruits & Vegetables Powder?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Fruits & Vegetables Powder?

12. What is the Manufacturing Process of Fruits & Vegetables Powder?
13. What is the total size of land required for setting up Fruits & Vegetables Powder?

14. What will be the income and expenditures for Fruits & Vegetables Powder?

15. What are the Projected Balance Sheets of Fruits & Vegetables Powder?

16. What are the requirement of utilities and overheads for setting up Fruits & Vegetables Powder?

17. What is the Built up Area Requirement and cost for setting up Fruits & Vegetables Powder?
18. What are the Personnel (Manpower) Requirements for setting up Fruits & Vegetables Powder


20. What is the time required to break-even of Fruits & Vegetables Powder?

21. What is the Break-Even Analysis of Fruits & Vegetables Powder?

22. What are the Project financials of Fruits & Vegetables Powder?
23. What are the Profitability Ratios of Fruits & Vegetables Powder?

24. What is the Sensitivity Analysis-Price/Volume of Fruits & Vegetables Powder?

25. What are the Projected Pay-Back Period and IRR Fruits & Vegetables Powder?

26. What is the Process Flow Sheet Diagram of Fruits & Vegetables Powder project?
27. What are the Market Opportunities for setting Fruits & Vegetables Powder plant?

28. What is the Market Study and Assessment for setting up Fruits & Vegetables Powder Business?

29. What is the Plant Layout for setting up Fruits & Vegetables Powder Manufacturing Business?
Table of Contents of the Project Report
1. PROJECT LOCATION
1.1. DISTRICT PROFILE & GEOTECHNICAL SITE CHARACTERIZATION
1.1.1. General
1.1.2. Physical Characteristics
1.1.3. Map
1.1.4. Climate & Rainfall
1.1.5. Language & Culture
1.1.6. Economy & Industry
1.1.7. Transportation and Communication

2. TOMATO POWDER
2.1. INTRODUCTION
2.2. USES AND APPLICATION
2.3. HEALTH BENEFITS OF TOMATO
2.4. MARKET SURVEY
2.5. KEY PLAYER

3. ONION POWDER
3.1. INTRODUCTION
3.2. NUTRITION FACTS OF ONION POWDER
3.3. USES AND APPLICATION
3.4. HEALTH BENEFITS OF ONION POWDER
3.5. RAW MATERIAL
3.6. PLANT AND MACHINERY
3.7. MARKET SURVEY
3.8. KEY PLAYERS

4. MANGO POWDER
4.1. INTRODUCTION
4.2. USES
4.3. BENEFITS
4.4. HEALTH BENEFITS OF AMCHUR

5. POMEGRANATE POWDER
5.1. INTRODUCTION
5.2. NUTRITIONAL VALUE
5.3. USES
5.4. HEALTH BENEFITS
5.5. APPLICATIONS
5.6. RAW MATERIAL
5.7. CHARACTERISTIC OF VARIETY
6. PAPAYA POWDER
6.1. INTRODUCTION
6.2. USES AND APPLICATION
6.3. HEALTH BENEFITS
6.4. NUTRITION
6.5. RAW MATERIAL

7. B.I.S. SPECIFICATION
7.1. IS 7191: TOMATOES - GUIDE FOR COLD STORAGE AND REFRIGERATED TRANSPORT
7.2. IS 9311: ONIONS - GUIDE FOR STORAGE
7.3. IS 13242: SPICES AND CONDIMENTS - AMCHUR, RAW MANGO MANGIFERA INDICA (LINN) POWDER

8. MARKET SURVEY
8.1. RATIONALE FOR GROWTH
8.2. THE INDIAN PERSPECTIVE
8.3. FRUIT POWDER MARKET SIZE
8.4. SEGMENTAL ANALYSIS
8.5. DETAILED REGIONAL ANALYSIS
8.6. COMPETITIVE ANALYSIS
9. EXPORT & IMPORT: ALL COUNTRIES
9.1. EXPORT: ALL COUNTRIES
9.1.1. for Tomato, Dried
9.1.2. for Onions Dried
9.1.3. for Mango Powder
9.1.4. for Flour, Meal and Powder of Other Fruits
9.2. IMPORT: ALL COUNTRIES
9.2.1. for Tomato, Dried
9.2.2. for Onions Dried
9.2.3. for Mango Powder
9.2.4. for Flour, Meal and Powder of Other Fruits

10. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES
10.1. ABOUT FINANCIAL STATEMENTS OF CMIE DATABASE
10.2. PROFITS & APPROPRIATIONS
10.3. TOTAL LIABILITIES
10.4. TOTAL ASSETS
10.5. NET CASH FLOW FROM OPERATING ACTIVITIES
10.6. SECTION –I
10.6.1. Name of Company with Contact Details
10.6.2. Name of Director(S)
10.6.3. Plant Capacity
10.6.4. Location of Plant
10.6.5. Name of Raw Material(S) Consumed With Quantity & Cost

10.7. SECTION–II
10.7.1. Assets
10.7.2. Cash Flow
10.7.3. Cost as % Ge of Sales
10.7.4. Growth in Assets & Liabilities
10.7.5. Growth in Income & Expenditure
10.7.6. Liabilities
10.7.7. Liquidity Ratios
10.7.8. Profitability Ratio
10.7.9. Profits
10.7.10. Return Ratios
10.7.11. Structure of Assets & Liabilities (%)
10.7.12. Working Capital & Turnover Ratios
11. COMPANY PROFILE OF MAJOR PLAYERS

12. EXPORT & IMPORT STATISTICS OF INDIA
12.1. EXPORT STATISTICS FOR TOMATO POWDER
12.2. IMPORT STATISTICS FOR TOMATO POWDER
12.3. EXPORT STATISTICS FOR ONION POWDER
12.4. IMPORT STATISTICS FOR ONION POWDER
12.5. EXPORT STATISTICS FOR MANGO POWDER
12.6. IMPORT STATISTICS FOR MANGO POWDER
12.7. EXPORT STATISTICS FOR POMEGRANATE POWDER
12.8. IMPORT STATISTICS FOR POMEGRANATE POWDER
12.9. EXPORT STATISTICS FOR PAPAYA POWDER
12.10. IMPORT STATISTICS FOR PAPAYA POWDER

13. PRESENT MANUFACTURERS

14. MANUFACTURING PROCESS
14.1. TOMATO POWDER
14.2. ONION POWDER
14.3. MANGO POWDER
14.4. POMEGRANATE POWDER
14.5. PAPAYA POWDER
15. PROCESS FLOW DIAGRAM
15.1. TOMATO POWDER
15.2. ONION POWDER
15.3. MANGO POWDER
15.4. POMEGRANATE POWDER
15.5. PAPAYA POWDER

16. BUYER’S LIST
16.1. CONTACT DETAILS OF BUYER’S
16.2. NAME OF DIRECTOR(S
16.3. CREDIT RATINGS
16.4. PLANT CAPACITY
16.5. LOCATION OF PLANT
16.6. COMPANY WISE CONSUMPTION DETAIL OF THE RAW MATERIALS

17. SUPPLIERS OF PLANT & MACHINERY
18. SUPPLIERS OF RAW MATERIAL

19. PHOTOGRAPHS/IMAGES FOR REFERENCE
19.1. PRODUCT PHOTOGRAPHS
19.2. MACHINERY PHOTOGRAPHS
19.3. RAW MATERIAL PHOTOGRAPHS

20. PLANT LAYOUT
Project Financials

- Project at a Glance
- Assumptions for Profitability workings
- Plant Economics
- Production Schedule
- Land & Building

Factory Land & Building Site Development Expenses

Annexure
• Plant & Machinery……………………………………………..…………5
  Indigenous Machineries
  Other Machineries (Miscellaneous, Laboratory etc.)

• Other Fixed Assets…………………………………………………………..6
  Furniture & Fixtures
  Pre-operative and Preliminary Expenses
  Technical Knowhow
  Provision of Contingencies

• Working Capital Requirement Per Month………………………………7
  Raw Material
  Packing Material
  Lab & ETP Chemical Cost
  Consumable Store

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• Overheads Required Per Month and Per Annum………………………………………8
Utilities & Overheads (Power, Water and Fuel Expenses etc.)
Royalty and Other Charges
Selling and Distribution Expenses

• Salary and Wages ………………………………………………………………………...9

• Turnover Per Annum ………………………………………………………………..…10

• Share Capital……………………………………………………………………………..11
  Equity Capital
  Preference Share Capital
• Annexure 1 :: Cost of Project and Means of Finance

• Annexure 2 :: Profitability and Net Cash Accruals

- Revenue/Income/Realisation
- Expenses/Cost of Products/Services/Items
- Gross Profit
- Financial Charges
- Total Cost of Sales
- Net Profit After Taxes
- Net Cash Accruals
• Annexure 3 :: Assessment of Working Capital requirements

  ▪ Current Assets
  ▪ Gross Working Capital
  ▪ Current Liabilities
  ▪ Net Working Capital
  ▪ Working Note for Calculation of Work-in-process

• Annexure 4 :: Sources and Disposition of Funds
• Annexure 5 :: Projected Balance Sheets
  ▪ ROI (Average of Fixed Assets)
  ▪ RONW (Average of Share Capital)
  ▪ ROI (Average of Total Assets)

• Annexure 6 :: Profitability Ratios
  ▪ D.S.C.R
  ▪ Earnings Per Share (EPS)
  ▪ Debt Equity Ratio
• Annexure 7 :: Break-Even Analysis

- Variable Cost & Expenses
- Semi-Variable/Semi-Fixed Expenses
- Profit Volume Ratio (PVR)
- Fixed Expenses / Cost
- B.E.P
Annexure 8 to 11 :: Sensitivity Analysis-Price/Volume

- Resultant N.P.B.T
- Resultant D.S.C.R
- Resultant PV Ratio
- Resultant DER
- Resultant ROI
- Resultant BEP
• Annexure 12 :: Shareholding Pattern and Stake Status
  - Equity Capital
  - Preference Share Capital
• Annexure 13 :: Quantitative Details-Output/Sales/Stocks
  - Determined Capacity P.A of Products/Services
  - Achievable Efficiency/Yield % of Products/Services/Items
  - Net Usable Load/Capacity of Products/Services/Items
  - Expected Sales/ Revenue/ Income of Products/ Services/ Items
• Annexure 14 :: Product wise Domestic Sales Realisation
• Annexure 15 :: Total Raw Material Cost
• Annexure 16 :: Raw Material Cost per unit
• Annexure 17 :: Total Lab & ETP Chemical Cost
• Annexure 18 :: Consumables, Store etc.
• Annexure 19 :: Packing Material Cost
• Annexure 20 :: Packing Material Cost Per Unit
- Annexure 21 :: Employees Expenses
- Annexure 22 :: Fuel Expenses
- Annexure 23 :: Power/Electricity Expenses
- Annexure 24 :: Royalty & Other Charges
- Annexure 25 :: Repairs & Maintenance Expenses
- Annexure 26 :: Other Manufacturing Expenses
- Annexure 27 :: Administration Expenses
- Annexure 28 :: Selling Expenses
• Annexure 29 :: Depreciation Charges – as per Books (Total)
• Annexure 30 :: Depreciation Charges – as per Books (P & M)
• Annexure 31 :: Depreciation Charges - as per IT Act WDV (Total)
• Annexure 32 :: Depreciation Charges - as per IT Act WDV (P & M)
• Annexure 33 :: Interest and Repayment - Term Loans
• Annexure 34 :: Tax on Profits
• Annexure 35 :: Projected Pay-Back Period and IRR
Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Fruits & Vegetables Powder.” provides an insight into Fruits & Vegetables Powder market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Fruits & Vegetables Powder project. The report assesses the market sizing and growth of the Indian Fruits & Vegetables Powder Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

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• Raw Material & Manpower Availability
• Project Costs and Payback Period

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Fruits & Vegetables Powder sector in India along with its business prospects. Through this report we have identified Fruits & Vegetables Powder project as a lucrative investment avenue.

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