



Production of Banana, Onion, Orange and Tomato Powder.

Profitable Business Ideas in Fruit and Vegetable Powder Industry

Introduction

Banana is one of the most widely consumed fruits and is grown across various countries. The majority of the bananas produced worldwide are consumed directly, while a small part is processed into banana powder, which helps in expanding its shelf-life. Banana powder is mainly used for producing milkshakes, protein powder, baby food, etc.



Banana Powder is obtained by processing of bananas. Banana powder having high essence of banana, is one of the major source of carbohydrate and calories. It is also beneficial in treating indigestion, preventing dehydration, improving absorption of nutrients, and preventing ageing effects. Banana powder helps in stimulating the growth of intestinal bacteria and produce digestive enzymes. Processing of banana into banana powder prolongs its shelf life. Banana powder has found wide use in cosmetic application owing to its moisturizing properties. It also relieve skin itching and irritation. Owing to the high health consciousness among consumers with increasing awareness regarding the health benefits of banana powder, it is expected that its market will grow at a rapid pace during the forecast period.

The several health benefits associated with banana powder stimulate its demand across the globe. Banana powder strengthens bones, enables quicker digestion and nutrition absorption, improves vision, prevents dehydration, regulates blood pressure, treats depression and relaxes muscles.

Banana powder finds numerous applications in the food as well as non-food industries. Moreover, it is employed in the skincare and cosmetic sector, owing to its several skin benefits; and in the feed industry, for feeding animals such as pig, fish, shrimp, etc.

Some of the other factors that proliferate the demand for banana powder include its longer shelf-life, convenience and portability. Moreover, increasing global population and inflating income levels are proactive in maintaining the growth of the market.

However, there are several factors that hamper the market growth. Bananas are endowed with extra calories that may gradually lead to unwanted weight gain. Apart from this, fluctuations in the prices of the raw material acts as another major deterrent.

Consumers have been preferring more of natural food ingredients to support a healthy life style. Other factors intensifying the demand for banana powder include the increasing research & development activities by food technologists and companies, continuous new product developments and improved distribution channel.



The product is a foremost source of calories & carbohydrates and is rich in antioxidants, vitamin C and magnesium. The other nutrients in banana are vitamin B6, protein, dietary riboflavin, fiber, iron, niacin, etc. It is beneficial in preventing dehydration, ageing effects; it improves nutrients absorption and cures indigestion (dyspepsia). It protects against the blood pressure fluctuations due to the potassium content in it. It also helps in treating depression as magnesium helps in relaxation of muscles. Other benefits of banana consumption include strengthening of bones, improvement of digestion, vision improvement, etc.



Global Banana Powder Market size is likely to grow at a high CAGR by 2024. Numerous health benefits associated with banana powder will propel the market growth. Owing to the increasing awareness regarding the health benefits of banana powder, the market has bright growth prospects in near future.

Based on end-use, the food industry currently represents the largest end-use segment of banana powder. It is majorly used in the production of cakes, instant food products, solid beverages, etc. Food industry is followed by feed industry, wherein it is used in pet food and cattle feed.

Banana powder market is segmented based on applications as food, cosmetics, pharmaceuticals and animal feed. The food application can be further sub-segmented as infant food, seasonings, puffed food and others (bakery products, confectioneries, etc.). Food is anticipated to attain higher share among others in the product market. This healthy banana powder helps in weight gain in babies and used as an essential component for production of baby foods. It is also used in baking industry for the preparation of fillings for cakes and biscuits. Health attributes of banana powder include stimulation of intestinal bacteria growth-producing digestive enzymes, treatment of ulcers, acidity reduction and more. It has found wide use in cosmetics industry for its moisturizing properties such as nourishment of skin and relieving skin from itching and irritation. In animal studies, banana powder was found to protect the lining of the stomach from acid.

The shelf life of banana is prolonged on processing it into banana powder. Later the powder could be stored for up to a year commercially, which eases its transportation. Based on the distribution channel, the market is divided into supermarkets, convenience stores and online stores.

Banana powder market is expected to witness high growth owing to its high medicinal and nutritional characteristics. Development of ingredients with high health and wellness functionality is one of positive trend supporting the growth of banana powder market. Rapid urbanization along with the changing lifestyle and dietary habits plays a significant role in increasing the demand for banana powder. Consumers are becoming highly health conscious, hence prefer more of natural food ingredients to support a healthy life style.

Other factors escalating the demand for banana powder includes continuous new product developments and improved distribution channel that supports the wide availability of banana powder in the market. Food technologist and companies in the banana powder market also carry out research & development activities to increase the utility of banana powder in various application.



Onion powder is a processed form of dehydrated onion that can add the same flavor as fresh onions in a convenient manner. As a flavoring agent, onion powder is currently being used in a number of food and non-food products like- snacks, sauces, salads, soups, gravies, appetizers, seafood, meats, etc. Although, it is slightly less pungent than fresh onions, even its little amount can replace the chopping of a whole medium-sized onion. Thus, it is quite easier to handle compared to fresh onions and saves a lot of time while cooking as no chopping is required. Onion powder is also easier to pack and unlike fresh onions does not require refrigerated storage.



The demand for onion powder has increased owing to several factors. The primary factor that helped in establishing a wide consumer-base for onion powder is its long shelf-life up to 8-12 months which makes it available in the market all year round, even in the absence of raw onions. Apart from this, the transportation of onion powder is more economical than raw onions as onion powder carries less weight and is not vulnerable to spoilage. In the urban regions, the demand for onion powder is also increasing because it can directly be used in the preparation of various dishes without indulging in difficult cooking procedures.



The consumption volume is expected to reach around 68 Thousand Tons by 2022. Onion powder is considered to offer enhanced taste and better texture owing to which it has become an essential ingredient in a number of applications in the food industry. It is used in seasonings, condiments, dry rubs, marinades, etc. to prepare several dishes such as soups, gravies, appetizers, seafood, meats, instant noodles, and sauces. Another factor which has accelerated the consumption of onion powder in the food industry is the increasing demand for ready-to-eat snack foods, particularly in the urban regions. Consequently, the market is further expected to reach a volume of around 68 Thousand Tons by 2022.



Tomato powder is obtained by dehydrating tomato and creating a fine powder. It is one of the most widely used ingredient in food and beverage industry. It has a rich flavor, usually sweet and sour in taste and is used widely in seasonings and savories, soup mixes, snack foods, curries and gravies, baby foods and many more. Due to higher shelf life of tomato powder the demand for the product has accelerated manifold in recent years. Tomato powder has also found application in cosmetic industry for its high nutrient and anti-oxidant properties which is adding fuel to the growth of tomato powder market.



Tomato powder has a wide range of application in food and beverage industry owing to its rich flavoring attribute. Tomato also contains several health promoting phytochemicals as well as it is rich in antioxidant properties which helps to keep skin cells healthy, this factor is one of the major driving factors for the uses of the product in cosmetic as well as health supplements industry. Furthermore, changing lifestyle and growing number of working population has escalated the demand for processed foods, consequently impacting tomato powder market positively. Additionally, focus on R&D will contribute to the growth of tomato powder market.

Tomato powder has diverse applications in various food product lines including seasonings and savorys, soup mixes, snack foods, curries and gravies, baby foods and many more which is driving the growth of the market. It is rich in flavor and used as a flavoring agent.

Additionally, tomatoes hold health beneficial attributes which includes reduced risk of heart diseases and cancer, reduced blood pressure, improved eyesight and improved skin quality which is escalating the usage of tomatoes. However, storage of fresh tomatoes is a rising concern among consumers which has opened doors for tomato powder market as a substitute of fresh tomatoes. Moreover, changing consumer lifestyle and increasing consumption of processed food is adding fuel to the growth of tomato powder market owing to its high shelf life. However, lycopene present in tomato causes allergy to some consumers which may hamper the market growth of tomato powder.



Machinery Photographs



BANANA CRUSHING MACHINE



HIGH SPEED HOMOGENIZER



SPRAY DRYER



**FILLING AND SEALING
MACHINE**

Project at a Glance

PROJECT AT A GLANCE

(` in lacs)

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	20.00	20.00	Capital	0.00	100.27	100.27
Buildings	0.00	178.60	178.60	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	98.50	98.50	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	8.00	8.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	43.50	43.50	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	15.00	15.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	300.80	300.80
Preliminary & Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds Unsecured	0.00	0.00	0.00
Provision for Contingencies	0.00	8.65	8.65	Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	25.82	25.82				
TOTAL	0.00	401.07	401.07	TOTAL	0.00	401.07	401.07

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	%
1-2	4.26	8.37	14.26	24.00	0.00	100.00	4.26	0.00	4.26	1.00	0.00
2-3	7.58	11.20	21.84	18.00	0.00	100.00	7.58	0.00	7.58	1.00	0.00
3-4	10.76	13.96	32.60	12.00	0.00	100.00	10.76	0.00	10.76	1.00	0.00
4-5	13.75	16.59	46.35	6.00	0.00	100.00	13.75	0.00	13.75	1.00	0.00
5-6	16.53	19.05	62.88	0.00	0.00	100.00	16.53	0.00	16.53	1.00	0.00



Project at a Glance

Year	D. S. C. R.			Debt / Equity as a % of Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall				GPM	PBT	PAT	Net Contribution	P/V Ratio		
	(Number of times)			(Number of times)	%	%	%	%	%	%	%		
Initial				3.00	3.00								
1-2	1.25	1.25		1.68	1.68	2.21	16.65%	8.28%	5.77%	457.47	61.84%	1.66	0.92
2-3	1.60	1.42		0.82	0.82	1.22	20.21%	13.49%	8.81%	530.73	61.49%	1.82	1.28
3-4	2.01	1.60	1.99	0.37	0.37	0.67	22.57%	17.09%	10.94%	606.48	61.48%	1.85	1.77
4-5	2.48	1.79		0.13	0.13	0.36	24.10%	19.57%	12.43%	682.22	61.48%	1.78	2.35
5-6	3.02	1.99		0.00	0.00	0.19	25.05%	21.25%	13.45%	757.97	61.47%	1.66	4.49



Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	62.04%
Total BEP (% of Installed Capacity)	65.36%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	25.89%
Payback Period of the Project is (In Years)	2 Years 4 Months
Fixed Assets Coverage Ratio (No. of times)	5.699

Major Queries/Questions Answered in the Report?

- 1. What is Banana, Onion, Orange and Tomato Powder Manufacturing industry ?**
- 2. How has the Banana, Onion, Orange and Tomato Powder Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Banana, Onion, Orange and Tomato Powder Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Banana, Onion, Orange and Tomato Powder Manufacturing plant ?**

- 5. What is the structure of the Banana, Onion, Orange and Tomato Powder Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Banana, Onion, Orange and Tomato Powder Manufacturing Business?**
- 7. What are the operating costs for setting up Banana, Onion, Orange and Tomato Powder Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Banana, Onion, Orange and Tomato Powder Manufacturing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Banana, Onion, Orange and Tomato Powder Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up Banana, Onion, Orange and Tomato Powder Manufacturing plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Banana, Onion, Orange and Tomato Powder Manufacturing Business?**
- 12. What is the Manufacturing Process of Banana, Onion, Orange and Tomato Powder ?**

- 13. What is the total size of land required for setting up Banana, Onion, Orange and Tomato Powder Manufacturing plant ?**
- 14. What will be the income and expenditures for Banana, Onion, Orange and Tomato Powder Manufacturing Business?**
- 15. What are the Projected Balance Sheets of Banana, Onion, Orange and Tomato Powder Manufacturing plant ?**
- 16. What are the requirement of utilities and overheads for setting up Banana, Onion, Orange and Tomato Powder Manufacturing plant?**
- 17. What is the Built up Area Requirement and cost for setting up Banana, Onion, Orange and Tomato Powder Manufacturing Business?**

- 18. What are the Personnel (Manpower) Requirements for setting up Banana, Onion, Orange and Tomato Powder Manufacturing Business?**
- 19. What are Statistics of Import & Export for Banana, Onion, Orange and Tomato Powder ?**
- 20. What is the time required to break-even of Banana, Onion, Orange and Tomato Powder Manufacturing Business?**
- 21. What is the Break-Even Analysis of Banana, Onion, Orange and Tomato Powder Manufacturing plant?**
- 22. What are the Project financials of Banana, Onion, Orange and Tomato Powder Manufacturing Business?**

- 23. What are the Profitability Ratios of Banana, Onion, Orange and Tomato Powder Manufacturing Project?**
- 24. What is the Sensitivity Analysis-Price/Volume of Banana, Onion, Orange and Tomato Powder Manufacturing plant?**
- 25. What are the Projected Pay-Back Period and IRR of Banana, Onion, Orange and Tomato Powder Manufacturing plant?**
- 26. What is the Process Flow Sheet Diagram of Banana, Onion, Orange and Tomato Powder Manufacturing project?**

27. What are the Market Opportunities for setting up Banana, Onion, Orange and Tomato Powder Manufacturing plant?

28. What is the Market Study and Assessment for setting up Banana, Onion, Orange and Tomato Powder Manufacturing Business?

29. What is the Plant Layout for setting up Banana, Onion, Orange and Tomato Powder Manufacturing Business?

Table of Contents of the Project Report

1. PROJECT LOCATION

- 1.1. NAGPUR – DISTRICT PROFILE & GEOTECHNICAL SITE CHARACTERIZATION
 - 1.1.1. General
 - 1.1.2. Location & Geographical Area
 - 1.1.3. Topography
 - 1.1.4. Map
 - 1.1.5. Administrative Set up
 - 1.1.6. Industry at a Glance
 - 1.1.7. Potentials Areas for Service Industry

2. INTRODUCTION

3. B.I.S. SPECIFICATIONS

- 3.1. IS 4452 (2009): DEHYDRATED ONION [FAD 9: SPICES AND CONDIMENTS]
- 3.2. IS 6028 (2002): GREEN BANANAS - GUIDE FOR STORAGE AND TRANSPORT [FAD 10: PROCESSED FRUITS AND VEGETABLE PRODUCTS]
- 3.3. IS 11977 (1987): GREEN BANANAS - RIPENING CONDITION [FAD 10: PROCESSED FRUITS AND VEGETABLE PRODUCTS]

4. MARKET SURVEY

- 4.1. ONION POWDER
 - 4.1.1. Onion Powder Market Trends, Share, Size, Growth, Opportunity and Forecast 2017-2022
 - 4.1.2. Major Companies Present in the Market
- 4.2. BANANA POWDER
- 4.3. ORANGE POWDER
- 4.4. TOMATO POWDER
 - 4.4.1. Tomato Powder Market Insights by Size, Status and Forecast 2023

5. EXPORT & IMPORT: ALL COUNTRIES

5.1. EXPORT: ALL COUNTRIES

5.2. IMPORT: ALL COUNTRIES

6. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES

6.1. ABOUT FINANCIAL STATEMENTS OF CMIE DATABASE

6.2. PROFITS & APPROPRIATIONS

6.3. TOTAL LIABILITIES

6.4. TOTAL ASSETS

6.5. NET CASH FLOW FROM OPERATING ACTIVITIES

6.6. SECTION – I

6.6.1. Name of Company with Contact Details

6.6.2. Name of Director(S)

6.6.3. Plant Capacity

6.6.4. Location of Plant

6.6.5. Name of Raw Material(S) Consumed with Quantity & Cost

6.7. SECTION – II

6.7.1. Assets

6.7.2. Cash Flow

6.7.3. Cost as % Ge of Sales

6.7.4. Growth in Assets & Liabilities

6.7.5. Growth in Income & Expenditure

6.7.6. Income & Expenditure

6.7.7. Liabilities

6.7.8. Liquidity Ratios

6.7.9. Profitability Ratio

6.7.10. Profits

6.7.11. Return Ratios

- 6.7.12. Structure of Assets & Liabilities (%)
- 6.7.13. Working Capital & Turnover Ratios
- 6.7.14. Company Profile of Major Players

7. EXPORT & IMPORT STATISTICS DATA OF INDIA

- 7.1. EXPORT STATISTICS DATA FOR BANANA POWDER
- 7.2. IMPORT STATISTICS DATA FOR BANANA POWDER
- 7.3. EXPORT STATISTICS DATA FOR ONION POWDER
- 7.4. IMPORT STATISTICS DATA FOR ONION POWDER
- 7.5. EXPORT STATISTICS DATA FOR ORAGNE POWDER
- 7.6. IMPORT STATISTICS DATA FOR ORAGNE POWDER
- 7.7. EXPORT STATISTICS DATA FOR TOMATO POWDER
- 7.8. IMPORT STATISTICS DATA FOR TOMATO POWDER

8. PRESENT MANUFACTURERS

9. BANANA POWDER

- 9.1. INTRODUCTION
- 9.2. NUTRITIONAL VALUE
- 9.3. USES AND APPLICATIONS
- 9.4. RAW MATERIAL
- 9.5. MANUFACTURING PROCESS
- 9.6. PROCESS FLOW DIAGRAM

10. ONION POWDER

- 10.1. INTRODUCTION
- 10.2. NUTRITION FACTS OF ONION POWDER

- 10.3. USES AND APPLICATIONS
- 10.4. HEALTH BENEFITS OF ONION POWDER
- 10.5. RAW MATERIAL
- 10.6. MANUFACTURING PROCESS
- 10.7. PROCESS FLOW DIAGRAM

11. ORANGE POWDER

- 11.1. INTRODUCTION
- 11.2. NUTRITIONAL VALUE
- 11.3. RAW MATERIAL AND ITS AVAILABILITY
- 11.4. MANUFACTURING PROCESS
- 11.5. PROCESS FLOW DIAGRAM

12. TOMATO POWDER

- 12.1. INTRODUCTION
- 12.2. USES AND APPLICATIONS
- 12.3. MANUFACTURING PROCESS
- 12.4. PROCESS FLOW DIAGRAM

13. BUYER'S LIST

- 13.1. CONTACT DETAILS OF BUYER'S
- 13.2. NAME OF DIRECTOR(S)
- 13.3. PLANT CAPACITY
- 13.4. LOCATION OF PLANT
- 13.5. COMPANY WISE CONSUMPTION DETAIL OF THE RAW MATERIALS

14. SUPPLIERS OF PLANT & MACHINERY
15. SUPPLIERS OF RAW MATERIAL
16. PHOTOGRAPHS/IMAGES FOR REFERENCE
 - 16.1. MACHINERY PHOTOGRAPHS
 - 16.2. RAW MATERIAL PHOTOGRAPHS
 - 16.3. PRODUCT PHOTOGRAPHS

17. PLANT LAYOUT

Project Financials

Project at a Glance	Annexure
• Assumptions for Profitability workings	1
• Plant Economics.....	2
• Production Schedule.....	3
• Land & Building.....	4
Factory Land & Building	
Site Development Expenses	

- **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**

- **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 Wages9**

- **Turnover Per Annum10**

- **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**

Reasons for Buying our Report:

- **This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product**
- **This report provides vital information on the product like it's characteristics and segmentation**
- **This report helps you market and place the product correctly by identifying the target customer group of the product**

- **This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- **The report provides a glimpse of government regulations applicable on the industry**
- **The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions**

Our Approach:

- **Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.**
- **The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players**
- **We use reliable sources of information and databases. And information from such sources is processed by us and included in the report**

Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Banana, Onion, Orange and Tomato Powder.” provides an insight into Banana, Onion, Orange and Tomato Powder market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Banana, Onion, Orange and Tomato Powder project. The report assesses the market sizing and growth of the Indian Banana, Onion, Orange and Tomato 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:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **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 Banana, Onion, Orange and Tomato Powder sector in India along with its business prospects. Through this report we have identified Banana, Onion, Orange and Tomato Powder project as a lucrative investment avenue.

Tags

Banana Powder Making, Banana Powder Business, Banana Powder Manufacturing Process Pdf, Banana Powder Manufacture in India, Banana Processing Industry, Banana Powder Project, Banana Powder Production Process, Banana Powder Production, Banana Powder Manufacturing Plant, Banana Powder Manufacturing Process Pdf, Banana Powder Business, Banana Powder Manufacturing Project Report, Banana Powder Project Profile, Banana Powder Industry, Banana Processing Industry, Banana Powder Processing, Banana Powder Making Unit, Manufacturing of Banana Powder, Onion Powder Production, How to Make Onion Powder, Onions Powder Making, Onion Powder Production, Project Report on Onion Powder Manufacturing,]Onion Dehydration, Onion Dehydration Plant, Onion Powder Manufacturing Process, Onion Powder Project Report Pdf, Onion Powder Manufacturing Project, Project Report on Onion Powder Making Unit, Production of Orange Powder, Orange Powder Manufacture, Production of Tomato Powder,

How To Make Tomato Powder, Dehydrated Tomatoes, Production of Fruit Powder, Production of Vegetable Powder, Manufacture of Fruit and Vegetable Powder, Fruit and Vegetable Powder Production, Tomato Powder Production Tomato Powder Manufacturing Process Pdf, Manufacturing Process of Tomato Powder, How to Dehydrate Tomatoes and Make Tomato Powder, Business Plan for Processing of Tomatoes, Production of Dehydrated Tomato, Profitable Tomato Processing Business Opportunities, Detailed Project Report on Onion Powder Manufacturing, Project Report on Banana Powder Production, Pre-Investment Feasibility Study on Orange Powder Manufacturing, Techno-Economic feasibility study on Orange Powder Manufacturing, Feasibility report on Onion Powder Manufacturing, Free Project Profile on Onion Powder Manufacturing, Project profile on Onion Powder Manufacturing, Download free project profile on Banana Powder Production, Agro Based Food Processing Industry, Projects for Small Scale Food Processing Industry, How to Start Manufacturing Processing Business, Agri-Business & Food Processing, Agro and Food Processing, Food Processing Business, Starting Business in Food Processing Industry, Food Manufacturing Industry, Food Processing & Agro Based Profitable Projects, Most Profitable Food Processing Business Ideas, Food Processing Industry in India, How to Start Food Processing Industry in India

**Niir Project Consultancy Services (NPCS)
can provide Detailed Project Report on
Production of Banana, Onion, Orange
and Tomato Powder.
Profitable Business Ideas in Fruit and
Vegetable Powder Industry**

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The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,



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Contact us

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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*



We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.



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What do we offer?

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- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Business Plan*
- *Technology Books and Directory*
- *Industry Trend*
- *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



Contact us

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