

# 55 Most Profitable Micro, Small, Medium Scale Food Processing (Processed Food) Projects and Agriculture Based Business Ideas for Startup

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**Format:** paperback

**Code:** NI316

**Pages:** 392

**Price: Rs.0US\$ 0**

**Publisher:** NIIR PROJECT CONSULTANCY SERVICES

Usually ships within **5** days

Food processing is a way or technique that is used to convert raw foods into well-cooked and well preserved eatables for both humans and animals. Food processing uses raw, clean, harvested crops or slaughtered and butchered animals and turns these into food products for daily consumption. A number of products are nutritious, easy to cook and have a long shelf life. They are packed in an attractive manner and are highly marketable.

The food processing industry plays a vital role in the economy of any country because it links agriculture to industry. The food processing industry is responsible for diversification of agriculture, improvement of value-added opportunities, and creation of excess that can be exported. The food processing industry of India is one of the largest in the world in terms of manufacture, use, export, and development. The sector has immense potential to contribute to growth and employment opportunities of the country.

Rapid globalization and development of economy has taken a toll on the lives of consumers, particularly those residing in urban areas. Employment growth and increased work pressure in organizations leaves consumers with little time for personal care. Additionally, more product offerings by food companies and marketing on a large scale has altered people's appetite- they demand more and more processed food items every day. These are some of the reasons for the steady growth of food processing industry in India in the past few years. Some of the biggest companies making their presence felt in the Indian market are Unilever, Dabur, Nestle, Nissin, Cadbury's, Kelloggs', Godrej, ITC, Britannia, Kohinor Foods Ltd., Mother Dairy, Pepsico India, Marico Ltd, Patanjali, MTR Foods etc.

Food processing industry is of enormous significance for any country's development because with the changing lifestyle, there has been a consistent increase in preference and demand for packaged foods amongst the population. These can be seen as a great opportunity by the packaging companies. The agricultural strength amalgamated with a various other factors like competent market price and favorable government policies have further aggrandized the food packaging sector.

The Major Contents of the are Book Soy Flour & Milk, Starch Derivatives, Saccharin, Tomato Paste, Edible Corn Oil, Malt, Instant Noodles, Garlic Oil and Powder, Cattle Feed, Banana Wafers, Biscuits, Bread, Candy, Chocolates, Potato Chips, Rice Flakes (Poha), Corn Flakes, Baby Cereal Food, Fruit Juice, Milk Powder, Paneer, Papad, Ghee, Extruded Food (Kurkure Type), Instant Tea, Jam & Jelly, Khakhra, Soft Drinks, Spices, Sweet Scented Supari, Cake & Pastry, Banana Chips, Papad, Besan, Pickles, Ice-Cream Cones, Honey, Flour Mill, Tutti-Fruitti,

Confectionery, Noodles, Ice Candy, Namkeen, Vermicelli, Mango Pappad (Aam Papad), Chilli Powder, Popcorn, Supari Chips, Revadi and Gazak, Mava, Tomato Sauce and Ketchup, Ice Cream, Baking Powder, Moong Dal Bari, Packaged Drinking Water With Pet Bottles, Food Packaging & Labelling, Good Manufacturing Practices in Food Industry, Manufacturing Process, Process Flow Diagrams, Addresses of Plant & Machinery Suppliers, Photographs of Machineries.

It will be a standard reference book for professionals, entrepreneurs, agriculturists, agriculture universities, food technologists, those studying and researching in this important area and others interested in the field of Food products manufacturing.

## 1. INTRODUCTION

Reasons for Growth in Demand of Processed Food in India

Growth Drivers

Future of Packaged Food Industry in India: Drivers and Barriers

Importance of Food Packaging in Food Industry

Food Labeling

## 2. SOY FLOUR & MILK

Physical Characteristics & Chemical Composition of the Soybean

Chemical Composition

Representative Proximate Composition

Uses

Raw Material

For Soy Flour

For Soy Milk

Process Description

1. Soy Flour Process Description

2. Soy Milk Process Description

Process Flow Diagram

Soy Flour

Machinery Required for Soy Flour

Soy Milk

Machinery Required for Soy Milk

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Some Important Definitions

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Process Description

General Process Flow for Starch-Derived

Sweeteners (Corn/Glucose Syrups, High Fructose Syrups, Dextrose, Fructose, Maltodextrins and Syrup Solids)

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Dextrose Syrup

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Uses in Foods and Other Products

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Concentration and Crystallization  
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Malt Treatment  
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Storage of Raw Materials

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Grinding

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Detail Process

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Semi-Sweet or Bittersweet Dark Chocolate

Milk Chocolate

White Chocolate

Formulations

Dark Chocolate

Milk Chocolate

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2. Grinding the Cocoa Nibs
3. Blending Cocoa Liquor and Molding Chocolate

Milk Chocolate

White Chocolate

Plain Dark Chocolate

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(2) Slicing and Washing

(3) Drying of Slices

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Corn Grit Section

Corn Flake Section

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Wet Mixing Plant

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- Homogenization
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Main Machinery and Equipments  
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Lower Blood Pressure and LDL Cholesterol  
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Process of Manufacture

### 57. FOOD PACKAGING & LABELLING

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Facilitates Purchase Decision  
Differentiation  
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Chemical Protection  
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GMP Practices for Food

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(ii) Premises and Rooms

Design and Layout

(iii) Internal Structures & Fittings

(iv) Equipment

(v) Containers for Waste and Inedible Substances

Facilities

(i) Water Supply

(ii) Drainage and Waste Disposal

(iii) Cleaning

(iv) Personnel Hygiene Facilities and Toilets

(v) Temperature Control

(vi) Air Quality and Ventilation

(vii) Lighting

(viii) Power Back up

(ix) Storage

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(i) Time and Temperature Control

(ii) Control of Other Specific Process Steps

(iii) Specifications

Microbiological Cross Contamination

Physical and Chemical Contamination

Incoming Materials Requirements

Packaging

Water

(i) Water, Ice and Steam in Contact with Food

(ii) Water, Ice and Steam not in Contact with Food

(iii) Water pipes & Storage Tanks

(iv) Management and Supervision

Documentation and Records

Product Recall & Traceability

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Maintenance and Sanitation

(i) Pest Control

(ii) Waste Management

(iii) Personal Hygiene

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Transportation

Product Information and Consumer Awareness

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Temporary/Mobile Premises, Vending Machines

## 59. PHOTOGRAPHS OF MACHINERY WITH SUPPLIERS CONTACT DETAILS

Washing and Peeling Machine  
Paste Making Machine  
Slicer Machine  
Paste Filling Machine  
Steam Jacketted Vessel  
Ribbon Blender  
Pulverizer  
Bucket Elevator  
Powder Dryer Machine  
Boiler  
Oil Storage Tank  
Pneumatic Conveying System  
Material Handling Conveyors  
Air Compressor  
R.O. Plant  
Distillation Unit  
Fruit Pulper  
Liquid Filling Machine  
Drum Type Blancher  
Fruit Mill  
Spray Machine  
Weighing Machine  
Packaging Machine  
Oil Extraction Machine  
Pollution Control Equipment  
Reverse Osmosis System  
Pump  
Hammer Mill  
Redler Conveyors  
Oil Filter Machine  
Blending Tanks  
Sealing Machine  
Carton Packaging Machine  
Pouch Packaging Machine

## 60. SAMPLE PLANT LAYOUTS

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Thu, 12 Dec 2024 19:37:48 +0000