



Profitable Small Scale Industries- Money making Business Ideas for Startup (when you don't know what industry to start)-2nd Revised Edition

Author: NPCS Board of Consultants & Engineers

Format: paperback

Code: NI187

Pages: 520

Price: Rs 975 | US\$ 100

Publisher: NIIR PROJECT CONSULTANCY SERVICES

Shipping: 5 days

About the Book

Micro, Small & Medium Enterprises (MSME) have been playing an important role in the overall economic development of a country like India, where millions of people are unemployed or underemployed. The economic development of any country primarily depends upon the establishment of industries. MSME sector comprises 95 per cent of the total industrial units in the country.

The hunt for funding has been the bane of an entrepreneur's existence from times of yore. Many abandon their dream to build, create, and innovate in the face of this difficult struggle without realising that a good business idea will eventually pool in the bounty-full once it has secured a place in the market.

Your idea will bring you your company, your company will bring you the people, and the people will bring you the market. A good idea has no monetary value, just a whole lot of bursting potential. Today, the World's most successful entrepreneurs like Dhiru Bhai Ambani and Karsanbhai Patel – Man behind NIRMA may hold the possibility of building pyramids out of notes, but none of them started at the top of the ladder. Facebook was created out of a Harvard dorm room at minimal cost and Microsoft was formed two years after Gates decided to drop out of college.

For an entrepreneur starting out, it makes good business sense to avoid ideas that require high capital investment in equipment, land, etc. Venturing into the manufacturing business requires to divide time and effort between making business plan, creating the product, and selling. It is best to venture into product areas that requires small to medium investment, which can be returned within few years. If one want to start off on his own, this book provides some manufacturing business ideas with small and medium investment.

The major contents of the book are India Government Loan Schemes for Small Scale Businesses, Government Support for Innovation and Entrepreneurship in India, Pradhan Mantri Mudra Yojana, Packaging and Labeling, Products Packaging, Marketing, Onion Dehydration, Garlic Dehydration, Onion Pickle, Onion Chutney, Garlic Oil, Onion Powder, Ginger Oil, Ginger Powder, Ginger Paste, Tomato Pulp, Tomato Paste, Tomato Ketchup, Tomato Powder, Disposable Blood Bags, Disposable Masks, Disposable Surgical Catheters, Disposable Plastic Syringes, Plastic Cups, Disposable Banana Leaf Plate, Facial Tissue & Baby Wet Wipes, Urea Formaldehyde Resin Adhesive, Toothpaste Production, Gypsum Board, Surgical Absorbent Cotton, Glass Fibre, Complex Fertilizers, Activated Carbon from Wood, Biscuits, Candy, Chocolates, Milk Powder, Instant Noodles, Khakhra, Soft Drinks, Spices and Sample Plant Layouts.

If you ever had an idea that you want to turn into a profitable business endeavor, this book will be a mile stone for you.

Remember Dhirubhai Ambani said, "Ideas are no one's monopoly Think big, think fast, think ahead."

Contents

1. INTRODUCTION

Characteristics of Small-Scale Industries

Objectives of Small Scale Industries

Advantages of Small Scale Industries

Growth of Small Scale Industries

Steps to Starting a Business

1. Identify Your Business Opportunity

2. Build a Business Plan

3. Find Start-up Money

4. Name Your Business

5. Choose a Business Structure

6. Get Your Business License and Permits

7. Set Up & Determine Your Business Location

8. Get Business Insurance

9. Create an Accounting System

Registration of Small Scale Industries

Two Types of Registration are done in all States

Procedure for Registration

How to Apply

Procedure

Step 1: Provisional Small Scale Industry (SSI) Registration

Benefits of Provisional SSI Registration

Step 2: Start the Business

Step 3: Apply for Permanent SSI Registration

2. INDIA GOVERNMENT LOAN SCHEMES FOR SMALL SCALE BUSINESSES

List of Government Loan Schemes for Small Business in India

1. The Credit Guarantee Fund Scheme for Micro and Small Enterprises

2. Credit Link Capital Subsidy Scheme for Technology Upgradation

3. Small Industries Development Bank of India (SIDBI)

4. National Small Industries Corporation Limited (NSIC)

5. National Bank for Agriculture and Rural Development (NABARD)

6. Market Development Assistance Scheme for MSMEs

7. Technology and Quality Upgradation Support to MSMEs

8. Mini Tools Room and Training Centre Scheme

9. MUDRA Loan

3. GOVERNMENT SUPPORT FOR INNOVATION AND ENTREPRENEURSHIP IN INDIA

4. PRADHAN MANTRI MUDRA YOJANA

Product / Offerings of MUDRA

Pradhan Mantri MUDRA Yojana (PMMY)

Micro Credit Scheme

Refinance Scheme for Banks

Women Enterprise Programme

Securitization of Loan Portfolio

Purpose of MUDRA Loan

Transport Vehicle

Community, Social & Personal Service Activities

Food Products Sector

Textile Products Sector / Activity

Business Loans for Traders and Shopkeepers

Equipment Finance Scheme for Micro Units

Activities Allied to Agriculture

Eligibility – Who are Eligible to Avail Loan Under Mudra Scheme?

Interest Rates of Mudra Bank Loan – Interest Rate

How to Apply for Mudra Loan – Process of Receiving Currency Loans

Step 1: Gathering Information and Choosing the Right Bank

Step 2: Preparing Documents and Submitting Applications

Checklist for Mudra Loan (Documents Required)

How to Apply for Bank Mudra Loan

Whom to Contact for Assistance?

5. PACKAGING AND LABELING

Functions of Packaging

6. PRODUCTS PACKAGING

Introduction

Definition of Food Packaging

Functions of Packaging Material

Packaging Materials for Tomato and its Products

Packaging of Tomato

Flexible Packaging

Forms of Flexible Packaging

Manufacturing Techniques

Plastics in Food Packaging

Use of Plastics in Food Packaging

Types of Plastics Used in Food Packaging

Types of Plastic Used in Packaging

Polyethylene

Polypropylene (PP)

Polyethylene Terephthalate (PET or PETE)

Polyethylene Naphthalene Dicarboxylate (PEN)

Flexographic Printing

Digital Printing

Printing and Labelling of Rigid Plastic Containers

In-mould Labelling

Labelling

Dry Offset Printing

Silk Screen Printing

Heat Transfer Printing

Glass and Glass Container Manufacture

Melting

Container Forming

Design Parameters of Glass Containers

Surface Treatments

Hot End Treatment

Cold End Treatment

Low-Cost Production Tooling

Container Inspection and Quality

Conclusion

Precautions during Packing

7. MARKETING

Functions of Marketing
Promotional Techniques
The Product Concept
Some Characteristics of Market Segmentation
Organization for New-Product Development
Developing New Products
Planned Obsolescence
Product Line Relationships
Product Features
The Sales Process
8. ONION DEHYDRATION
Dehydrated Onion
Onion Varieties Suitable for Dehydration
Uses of Dehydrated Onions
Dehydration Practices for Onion
Solar Drying
Convective Air Drying
Fluidized Bed Drying
Microwave Drying
Infra Red Drying
Vacuum Drying
Freeze Drying
Osmotic Dehydration
Onion Dehydration Process
Processing Steps
Power Production and Energy Requirements
9. GARLIC DEHYDRATION
Drying
Methods of Drying
1. Hot Air Drying
2. Solar and Open Sun Drying
Experimental Setup
Design
Raw Material and Sample Preparation
Washing
Drying Process Flow Chart of Dehydrated Garlic
Equipment/Apparatus Used
Measurement of Variables
Air Temperature and Relative Humidity
Air Velocity
Solar Radiation
Initial Moisture Content (IMC)
Moisture Content during Drying Experiment
Equilibrium Moisture Content (E.M.C.)
Moisture Ratio (M.R.)
Drying Rate (D.R.)
Average Drying Rate (A.D.R.)
Quality Evaluation of Dehydrated Garlic
Rehydration Ratio, Coefficient of Rehydration
Comparison between Solar and Open Sun Drying
Freeze Drying



Fluidized Bed Drying
Dehydration Process
Dehydration Process Flow Diagram
Safety Precautions & Other Cares in Garlic Dehydration

10. ONION PICKLE

Introduction
Raw Material
Onion Pickle Manufacturing Process
Onion Pickle Process Flow Diagram

11. ONION CHUTNEY

Introduction
Manufacturing Process of Onion Chutney
Process Flow of Onion Chutney

12. GARLIC OIL

Introduction
Garlic Oil manufacturing Methods
Manufacturing Process
Removal of Undesired Material
Washing of Bulbs
Peeling
Crushing of Bulbs
A Steam Distillation
a. Hydrodistillation
b. Direct Steam Distillation
Advantages of Direct Steam Distillation
Disadvantage of Direct Steam Distillation
Inspection and Analyzing
Packing and Dispatching
Heart Diseases
Cholesterol Levels
Process Flow Diagram
Diabetes
Bodily Aches and Pains
Skin Problems & Other Infections
Other Ailments

13. ONION POWDER

Introduction
Varieties of Onion Powder
Chemical Specification
Nutritional Information
Uses of Onion Powder
Meat Rubs
Bloody Maty Drinks
Spice Mixes
Dressings
Manufacturing Process of Onion Powder
Process Flow Diagram
Health Benefits of Onion Powder
Low in Fat and Calories
Potassium
Magnesium

Calcium

Low in Sodium

14. GINGER OIL

Introduction

Solubility

Chemical Composition

Uses and Application

Packing and Marking

Manufacturing Process

Preparation of Raw Material

Cleaning

Milling

Soaking

Loading or Charging

Bleaching of Ginger

Practice of Distillation

Steam Distillation

End of Distillation

Treatment of the Volatile Oil

Treatment of the Distillation Water

Manufacturing Process Flow Diagram

Rectification of Essential Oils

Problems Relating to Steam Distillation

Environment Pollution and Effluent Treatment

15. GINGER POWDER

Introduction

Properties

Uses of Ginger Powder

Manufacturing Process of Ginger Powder

Process Flow Sheet

16. GINGER PASTE

Properties of Ginger Paste

Uses of Ginger Paste

Chemical & Physical Specification of Ginger

Manufacturing Process

Process Flow Diagram

17. TOMATO PULP

Introduction

Manufacturing Process of Tomato Pulp

Sorting

Washing and Trimming

Crushing

Pulping

Hot Process

Process Flow Diagram

18. TOMATO PASTE

Introduction

Raw Material Requirements

Manufacturing Process of Tomato Paste

Process Flow Diagram

19. TOMATO KETCHUP

Introduction

Uses of Tomato Ketchup

Ingredients Required

Process Description

Process Flow Diagram

20. TOMATO POWDER

Introduction

Uses & Applications

Procedure for Making Tomato Powder

Primary Method

Secondary Method

Process Flow Diagram

21. DISPOSABLE BLOOD BAGS

Introduction

Flexible PVC Blood Bags

Uses of Blood Bags

Properties of Disposable Blood Bags

Raw Material

Quality of the Raw Materials

1. Translucency so can Check it Full, and See Layers in Centrifuged Bags
2. Flexibility (Low Bending Stiffness) so can Process by Squeezing the Bag
3. Heat Resistance, so can Steam Sterilize Prior to Use
4. Materials Property-Melting Temperature
5. Must Not Burst in the Centrifuge, or Tear on Handling
6. Permeable to Oxygen, but not too Permeable to Water
7. Moderate Cost
8. Processing and Welding
9. PVC Plasticized Blood Bag sizes: 350 ml & 450 ml

Manufacturing Process

Flow Sheet Diagram

Bag Making

Tube Making

Blood Bag Forming Machine

Suppliers of Plant & Machinery

Raw Materials Addresses

22. DISPOSABLE MASKS

Introduction

Uses & Applications

Properties

Manufacturing Process of Disposable Surgical Masks

Sterilization

Flow Diagram for Disposable Surgical Mask

Machinery Images for Masks

Mask Making Machine

Surgical Mask Sewing Machine

Mask Blank Machine

Plant & Machinery Suppliers

23. DISPOSABLE SURGICAL CATHETERS

Introduction

Uses & Applications

Common Features of Central Venous Catheter (CVC)

Manufacturing Process of Catheters
Process Flow Diagram of Catheter
Catheter Production Equipments
Plant & Machinery Suppliers
Suppliers of Raw Materials
24. DISPOSABLE PLASTIC SYRINGES
Introduction
Uses
Necessity of Disposable Syringes
Parts of a Disposable Syringe
Nozzle
Piston
Raw Material Used for Manufacturing Disposable Syringes
Polyolefin - (Polyethylene and Polypropylene)
Polyethylene
Polypropylene
Polystyrene
Natural Rubber
Synthetic Polymeric Material
Silicone Oil
Leakage Test
Sterility
Packing
Outer Container
Marking of Outer Containers
Manufacturing Process
Process Description
1st Stage of Process
2nd Stage of Production
3rd Stage of Process
4th Stage of Production
Process Flow Diagram
Assembling Operation and Packing
Machinery Images
Single Barrel Moulds
Syringe Plunger Moulds
Injection Moulding Machine
Disposable Syringe Packaging Machine
Storage of Sterilized Articles
Test for Detection of Aerobic and Anaerobic Organism
Media
Medium for Anaerobic Organism
Medium for Aerobic Organism
A. Benzathine Penicillin, Benzyl Penicillin
B. Other Antibiotic
C. Test for Detection of Fungi Medium
Suppliers of Raw Material
25. PLASTIC CUPS
Introduction
Plastic Cups
Manufacturing Method

Thermoforming
Heating
Forming
Cooling
Trimming
Machine Type
Application of Thermoforming Technique
Raw Material
Steps
Polypropylene Characteristics
Compatibility of Polypropylene with Common Products
Properties of Poly Propylene
Specific Gravity
Mechanical Properties
Electricals
Chemical Resistance
Specification of Thermoforming Machines
Moulds
Glass
Cups
Plates
Spoons
Printing on Polypropylene
Printing on Cups, Glasses and Plates
Roto Gravure Printing
For Multicolor Printing
Flow Diagram for Disposable Plastic Cups
Plant and Machinery Details
Thermoforming Machine
Specifications
Thermoformable Extrusion Line
Mono & Multilayer Thermoformable Sheet Lines
Specifications
Plastic Cup thermoforming Machine
Usage
Hydraulic Automatic Cup Making Machine
Parameter
Functions and Characteristics
Complete Line: Extrusion + Cup Making Machine
Plastic Sheet Extruder
A. Main Parameters
B. Configuration and Specification
1. Main Extruder: one
2. Non-stop Fast Screen Changer With Double-sieve: one set
3. Die-Head
Calendar Roll Stack: one
4. Thermostat System: Two sets (Only use for making PS sheet)
5. Air Cooling Stand: one
6. Trimming Unit: one
7. Haul Off Unit: one
8. Single-shaft Winder (One set)



AN ISO 9001 : 2015 CERTIFIED COMPANY

9. Electronic Control Cabinet: one set

10. Waste sheet re-winder: one set

Main Technical Data

Feature

Key Electric Components

Assistant Machines

Automatic Cup Stacking Machine

Usage

Main Technical Parameter

Screw Air Compressor

Industrial Chiller (Air Cooled)

Model Specification

Thermoforming/Vacuum Forming Sheet Extrusion Line

PP/PS Specification

Multi-Laye Cp-Extrusion Sheet Line

Technical Specification

Features

HIPS / ABS / PC / PMMA / PS Extrusion Sheet Line

Technical Specification

Suppliers of Plant & Machinery

Raw Material Suppliers

26. DISPOSABLE BANANA LEAF PLATE

Introduction

Function

Properties of Banana Leaf Plates

Use and Application of Banana Leaf Plates

Utility

Area of Usage

Raw Material

Banana Tree/Leaves

Manufacturing Process of Banana Leaf Plates

Process Steps

Description

Flow Diagram

Machinery Description

Leaf Plate Making Machine

Description

Materials

Construction

Working

Leaf Plate Making Machine

Machinery Details

Suppliers of Plant and Machinery

Suppliers of Raw Material

27. FACIAL TISSUE & BABY WET WIPES

Introduction

What is a Tissue Paper?

Properties

Production

Applications

Hygienic Tissue Paper



Facial Tissues
Paper Towels
Wrapping Tissue
Toilet Tissue
Table Napkins
Facial Tissue
Properties
Manufacturing Process for Facial Tissues
Steps
Pulping and Retting
Pressing
Creping
Reeling and Cutting
Uses of Facial Tissue
Size
Effects
Wet Wipes
Introduction
Production
Uses
Baby Wipes
Cleansing Pads
Industrial Wipes
Pain Relief
Personal Hygiene
Manufacturing Process Flow Diagram for Facial Tissue & Wet Wipes
Pet Care
Healthcare
Facial Tissue and Wet Wipes Machine Details
Facial Tissue Machine
Specifications
Professional Facial Tissue Machine
Specification
Wallet Pocket Facial Tissue Machine
Specification
Full-Automatic Box-drawing Facial Tissue Machine
Descriptions
Function and Features
Technical Data
The Name of Spare Part of the Machine
Specification of Raw Material
Industrial Facial Tissue Making Machine
Supplier of Plant and Machinery
Suppliers of Raw Material
28. UREA FORMALDEHYDE RESIN ADHESIVE
Uses of Urea Formaldehyde Resin
Properties of Urea Formaldehyde Resin
Raw Material
Process Description
Process Flow Diagram for Urea Resin Adhesive Plant
Machinery Required Equipment



29. TOOTHPASTE PRODUCTION

Toothpaste Composition and Ingredient Functionality

Typical Toothpaste Ingredients

Process Description

Storing and Filling the Finished Toothpaste

Process Flow Diagram

Machinery Required

30. GYPSUM BOARD

Characteristics of Gypsum Board

Uses

Raw Material

Gypsum Board Constituents

Process Description

Transportation

Installation

Flow Diagram

Machinery Required

Gypsum Drying Section

Gypsum Calcining Section

Forming and Drying Section

Utility Section

31. SURGICAL ABSORBENT COTTON

Properties of Absorbent Cotton

Raw Material

Process Description Based on Before Carding Method

(1) Opening and Cleaning

(2) Filling

(3) Bleaching

(4) Hydro-extracting

(5) Opening, Drying and Reserving

(6) Carding

(7) Winding, Cutting and Packing

Process Flow Sheet for Absorbent Cotton Making

Machinery Required

32. GLASS FIBRE

Types of Glass Fibre

Properties

Uses

Raw Materials

Process Description

Process Flow Diagram

Schematic Diagram of Direct Melt Process for Continuous Filaments

Schematic Diagram of Marble Melt Process for Continuous Filaments

Machinery Required

33. COMPLEX FERTILIZERS

Complex Fertilizer for Vegetables

Characteristics

Component

Complex Fertilizer for Beans

Characteristics

Component

Briquette Complex Fertilizer for Forest

Characteristics

Complex Fertilizer for Field Crops

Characteristics

Component

Complex Fertilizer for Horticulture

Characteristics

Component

Complex Fertilizer Manufacturing Description of NP & NPK

Granulator

Drying

Screening

Cooling

Polishing Screens

Cyclone Separators

Scrubbing Section

Process Flow Diagram

Equipments in Flow Chart

34. ACTIVATED CARBON FROM WOOD

Uses of Activated Carbon

Typical Properties of Activated Carbon

Raw Materials

Manufacturing Process

Processing Steps

Flow Diagram

Machinery Required

35. BISCUITS

Uses & Applications

Basic Raw Material for Biscuits

Manufacturing Process

Manufacturing Process Flow Diagram

36. CANDY

Uses of Candy

Raw Material for Candy

Sugar

Corn Syrup/Glucose Syrup

Water

Properties of High-Boiled Candy

Candy Manufacturing Process

Process Flow Diagram

37. CHOCOLATES

Uses

Composition of Fermented Cocoa Beans

Raw Material

Sweet Dark Chocolate

Semi-Sweet or Bittersweet Dark Chocolate

Milk Chocolate

White Chocolate

Nutritional Information of Milk Chocolate

Formulations

Dark Chocolate

Milk Chocolate

Manufacturing Process

1. Roasting and Winnowing the Cocoa
2. Grinding the Cocoa Nibs
3. Blending Cocoa liquor and molding Chocolate

Milk Chocolate

White Chocolate

Plain Dark Chocolate

Process Flow Diagram

38. MILK POWDER

Uses of Milk Powder

Composition of Milk-Powder

Property of Milk Powder

Milk Powder Production Process

Separation/Standardization

Preheating

Evaporation

Spray Drying

Packaging and Storage

Process Flow Diagram

39. INSTANT NOODLES

Nutrition Value of Instant Noodles

Manufacturing Process

Mixing

Sheeting

Cutting/Slitting and Waving

Steaming and Molding

Frying/Drying

Packaging

Process Flow Diagram

40. KHAKHRA

Uses and applications

Nutrition Facts of Khakhra

Manufacturing Process of Khakhra

Process Flow Diagram

41. SOFT DRINKS

Ready-to-drink Products

Concentrated Soft Drinks

Properties

Manufacturing Process

Packing

Cold-filling

Process Flow Diagram

42. SPICES

Uses & Applications

General Manufacturing Procedure

Process Flow Diagram

43. SAMPLE PLANT LAYOUTS

NIIR PROJECT CONSULTANCY SERVICES (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. NPCS is manned by engineers, planners, specialists, financial

experts, economic analysts and design specialists with extensive experience in the related industries.

Our various services are: Detailed Project Report, Business Plan for Manufacturing Plant, Start-up Ideas, Business Ideas for Entrepreneurs, Market Research, Manufacturing Process, Machinery, Raw Materials, Project Feasibility, Investment Opportunities, Technical Consultancy and Startup Help.

NPCS also publishes process technology books, technical books, startup books, directory, business database, detailed project reports and market research reports.

Our Detailed Project Report aims at providing all the critical data required by entrepreneurs for starting new business ventures.

NIIR PROJECT CONSULTANCY SERVICES

106-E, Kamla Nagar, New Delhi-110007, India

Email: npcs.india@gmail.com **Website:** <https://www.niir.org/>