

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

ISBN: 9789381039922

Code: NI187

Pages: 520

Price: Rs. 975.00 US\$ 100.00

Publisher: NIIR PROJECT CONSULTANCY SERVICES

Usually ships within 5 days

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 realizing 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)
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-Layer 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

About NIIR

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, Start up Business Opportunities, entrepreneurship projects, Successful Business Plan, Industry Trends, Market Research, Manufacturing Process, Machinery, Raw Materials, project report, Cost and Revenue, Pre-feasibility study for Profitable Manufacturing Business, Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Business Opportunities, Investment Opportunities for Most Profitable Business in India, Manufacturing Business Ideas, Preparation of Project Profile, Pre-Investment and Pre-Feasibility Study, Market Research Study, Preparation of Techno-Economic Feasibility Report, Identification and Section of Plant, Process, Equipment, General Guidance, Startup Help, Technical and Commercial Counseling for setting up new industrial project and Most Profitable Small Scale Business.

NPCS also publishes various process technology, technical, reference, self employment and startup books, directory, business and industry database, bankable detailed project report, market research report on various industries, small scale industry and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by professionals including project engineers, information services bureau, consultants and project consultancy firms as one of the input in their research.

