

Start-Up Projects for Entrepreneurs:

*50 Highly Profitable
Small & Medium Industries*

Introduction

The first step to initiate planning is to identify a suitable project. To start your own venture you have to decide on many things. Making a choice of the right project is a difficult decision for an entrepreneur and is an imperative decision. There are no set rules to identify a suitable project, though this is one decision on which the success of your entire venture hinges. So, don't take hasty decisions.

Most prospective entrepreneurs tend to display the herd tendency and go for a project, which people have already ventured into. This is not a healthy attitude as success of one in a particular field does not guarantee success of the other. While identifying a suitable project, you should make a SWOT analysis of your own strengths and weaknesses.

The next step, after you have selected your project, is to collect all information about it.

The most important information is about the potential market of the items you selected. This book aims at providing a thorough understanding and analysis of the 50 highly profitable industrial projects that you can start. It describes formulae, properties, raw materials used and manufacturing processes of different products. Undoubtedly, this book is a gateway leading you to become your own boss.

The important projects described in the book are Linear Alkyl Benzene, Soy Flour & Milk Processing,

Urea Formaldehyde Resin Adhesive, Toothpaste Production, Gypsum Board, Surgical Absorbent Cotton, Starch Derivatives Production, Wet – blue leather, PVC paste Resin, Saccharin, Sodium Chlorite, Phosphate Fertilizer, Tomato Paste, Paint, Autoclaved Aerated Concrete (AAC Blocks), Carbon Black, Caffeine, Sodium hydrosulfite, Magnesium Sulphate (Fertiliser Grade), TMT Bar, Glass Fibre, Plastic (P.V.C.) Laminated Collapsible Tubes, Complex fertilizers, Copper Powder By Electrolysis Process,

Atomized Metal powder, Electro Plating, Activated Carbon from Wood, Rubber Powder from Waste Tyres, Precipitated Calcium Carbonate, PVC Flex Banner Production, Reclamation of Used Engine Oil, Edible Corn Oil, Malt Production, Ethyl Oleate, Wheat Flour Mill, Instant Noodles, Zinc, Castor Oil & Pomace, Garlic Oil and Powder, Silica from Rice Husk, Thermocol Cups, Glass and Plates, Match Box (Automatic Plant), Camphor,

LDPE/LLDPE Pouch Films, E-waste recycling, Cattle Feed, Saw Pipe, Polyethylene Wax, Disposable Plastic Syringes, Cement.

It will be a standard reference book for professionals and use by everyone who wants to start-up as entrepreneur.

See more:

<http://goo.gl/H4DM6i>

TABLE OF CONTENTS

1. HOW TO START AN INDUSTRY SUCCESSFULLY

Choose an Industry or Location Conduct Your
Feasibility Studies Sources of Project Ideas

- (a) Analysis of Industries' Performance
- (b) Analysis of Inputs and Outputs of Industries
- (c) Analysis of Imports and Exports

- (d) Government's Guideline to Industries,
Published Annually is Available**
 - (e) Suggestions of Financial Institutions and
Developmental Agencies**
 - (f) Survey of Local Resources**
 - (g) Analysis of Economic and Social Trends**
 - (h) New Technologies**
- Create Your Business Plan**
- Finance Your Business**
- Cash Flow**

Collateral
Commitment
Character

Make a Good Impression with Your Lenders
Market Research

2. PROJECT IDENTIFICATION

How This Book Helps You to Identify the Project?

3. LINEAR ALKYL BENZENE

Uses

Properties

Typical Property of Linear Alkyl Benzene

Raw Materials Required

Process Description

Flow Diagram

Environmental Exposure

Occupational Exposure

Machinery Required

4. SOY FLOUR & MILK PROCESSING

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

5. 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

6. TOOTHPASTE PRODUCTION

Toothpaste Composition and Ingredient
Functionality

Typical Toothpaste Ingredients Process
Description

Storing and Filling the Finished

Toothpaste Process Flow Diagram

Machinery Required

7. 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

8. 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, Opening and Reserving
 - (6) Carding
 - (7) Winding, Cutting and Packing
- Process Flow Sheet for Absorbent Cotton
Making Machinery Required

9. STARCH DERIVATIVES PRODUCTION

Uses

Some Important Definitions

Raw Material

Process Description

General Process Flow for Starch–

Derived Sweeteners (Corn/Glucose Syrups,

High Fructose Syrups, Dextrose,

Fructose, Maltodextrins and Syrup Solids)

1. Glucose Syrup

Dextrose Syrup

Sorbitol

10. WET - BLUE LEATHER

Raw Material

The Process

Soaking Chemicals

Liming Chemicals & Use Condition

Chemicals

Conditions

Machinery Required

11. PVC PASTE RESIN

PVC Resin Suspension Grade PVC

Emulsion Grade PVC Bulk Polymerised
PVC Copolymer PVC K Value
Rar Material and Utilities Process Description VCM
Receiving & Storage VCM Recovery VCM
Purification Dispersion Process Polymerization
Process Drying Process Flow Diagram Machinery
Required

12. SACCHARIN

Properties of Saccharin

Uses in Foods and Other Products

Process Description
Chlorosulfonic Acid Synthesis Process
Sulfonation
Amination and Refining
Oxidation Process
Concentration and Crystallization
Drying and Packing Process
Recovery of Oxidizing Agent and Catalyst
Raw Material
Flow Diagram
Machinery Required

13. SODIUM CHLORITE

Uses

Raw Materials

Process Description

Sodium Chlorite Manufacturing Process

Diagram Machinery Required

14. PHOSPHATE FERTILIZER

P is Essential for Plant Nutrition Types of
Phosphorus Fertilizer Raw Material Process
Description

- (a) Superphosphate
- (b) Fused Phosphate
- (c) Fused and Superphosphate Complex Fertilizer

Superphosphate Manufacturing Process
Flow Sheet Fused Phosphate Manufacturing
Process

Flow Sheet Fused and Superphosphate Fertilizer
Manufacturing Process Flow Sheet Machinery
Required Pollution Prevention and Control

15. TOMATO PASTE

Uses

Raw Material Requirements

Raw Material

Process Description

Receiving

Sorting

Juice Extraction

Evaporation

Aseptic Filling

Machinery Required

16. PAINT

**Raw Material Products Specifications Flow
Diagram Machinery Required**

17. AUTOCLAVED AERATED CONCRETE (AAC BLOCKS)

Features

Raw Material

**Advantages of Autoclaved Aerated Concrete
Blocks**

Typical AAC Product Shapes Process

**Description Detailed Schematic Diagram of the
Production Process Machinery Required**

18. CARBON BLACK

Uses

Raw Material

Process Description

Reaction Section

Filtration

Pneumatic Conveying

Pelleting

Drying

Storage and Shipping

Process Flow Diagram

Machinery Required

9. CAFFEINE

General Details

Uses

Pharmacological Effects of Caffeine

Raw Material

Process

Making

Process Flow Diagram

Machinery Required

20. SODIUM HYDROSULFITE

Uses

Process of Manufacture Flow Diagram Required Machinery

21. MAGNESIUM SULPHATE (FERTILISER GRADE) PLANT

Molecular Structure

Product Specification

Physical Properties

Main Feature

Uses

Raw Material

Manufacturing Process

From Mineral Kieserite
Reaction of Magnesium Oxide and Sulfuric
Acid Composition of Magnesium Sulphate
Heptahydrate Packaging Production
Process Machinery Required

22. TMTBAR

Uses

Product Specification

Manufacturing Process

Quenching

Tempering

The Cooling Process Process Flow Diagram Machinery Required

23. 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

24. PLASTIC (P.V.C.) LAMINATED COLLAPSIBLE TUBES

Uses

Raw Material Required

Process

Process Flow Diagram

Machinery Required

25. 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

26. COPPER POWDER BY ELECTROLYSIS PROCESS

Product Specifications

Uses

Raw Material

Process Description

Cleaning of Powders

Process Flow Diagram

Machinery Required

27. ATOMIZED METAL POWDER

Examples of Metal Powders

Pure Metals

Alloys
Compounds
Uses
Metal Powder Applications
Powdered Components
Thermal Surfacing
Architectural
Decorative Applications
Industrial
Metal Powder Characteristics
Selection Criteria

Process Description Machinery Required

28. ELECTROPLATING

Uses

Process Description

Polishing

Pretreatment

Plating

After-treatment

Electroplating Process Block Diagram

Machinery Required

29. ACTIVATED CARBON FROM WOOD

Uses of Activated Carbon

Typical Properties of Activated Carbon

Raw Materials

Manufacturing Process

Processing Steps

Flow Diagram

Machinery Required

30. RUBBER POWDER FROM WASTE TYRES

Uses of Rubber Powder

Manufacturing Process

Flow Diagram Environmental Concerns of Tyre Recycling Machinery Required

31. PRECIPITATED CALCIUM CARBONATE Uses

Physical and Chemical Properties
Manufacturing Process
Flow Diagram
Required Machinery

32. PVC FLEX BANNER PRODUCTION

Process Description

Mixing

Extrusion

Tempering Rolls/Embossing Unit

Flow Diagram

Winding Station

Machinery Required

33. RECLAMATION OF USED ENGINE OIL

Uses

Process Description

Blending
Process Flow Diagram
Sludge Disposal (Pollution Control)
Machinery Required

34. EDIBLE CORN OIL

Process Description Required Machinery

35. MALT PRODUCTION

Standard Malt and Specialty Malt

Barley Conditioning

Malting

Malt Treatment

Process Flow Diagram Machinery Required

36. ETHYL OLEATE

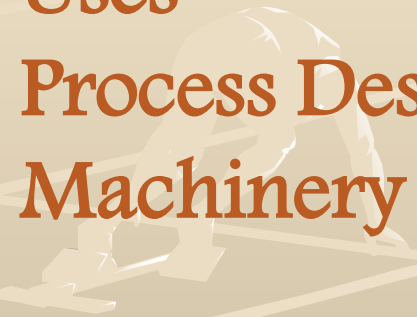
Properties

Oleic Acid

Uses

Process Description

Machinery Required



37. WHEAT FLOUR MILL

Composition of Wheat Properties of Wheat
Flour Flour Mill Products Manufacturing
Process Machinery Required Cleaning Section.
Machinery Milling Section: Machinery Conveying
Equipments Refraction Grinding System

38. INSTANT NOODLES

Manufacturing Process

Processing and Classification of Instant
Noodles Machinery Required

39. ZINC

Uses of Zinc Process Description Process
Description Machinery Required Roasting
Process Acid Making Process Leaching
Process Electrolysis Process Casting Process
Cd Making Process CuSO_4 Making Process

40. CASTOR OIL & POMACE

Uses

Agriculture

Food

Textile Chemicals

Paper
Plastics & Rubber
Perfumeries
Cosmetics
Electronics & Tele-Communications
Pharmaceuticals
Aints, Inks & Adhesives
Lubricants
General Specifications
Process Description
Process Flow Diagram

41. GARLIC OIL AND POWDER

Composition

Uses

Process Description

Process Flow Diagram

Machinery Required

42. SILICA FROM RICE HUSK

Composition of Rice Husk Ash on Dry Basis

1. Digestion
2. Precipitation
3. Regeneration

Process Flow Diagram

Machinery Required

43. THERMOCOL CUPS, GLASS AND PLATES

Uses

Food Packaging Like

Protective and Display Packaging

Other Applications

Process Description

Flow Diagram for EPS (Thermocol) Plates

Flow Diagram for Expanded Poly Styrene

Cups & Glass

Machinery Required For Plates For EPS Glass & Cups

44. MATCH BOX (AUTOMATIC PLANT)

Raw Material Product Specification Process

Description Match Box Manufacturing Filling

Finishing Process Process Flow Diagram

45. CAMPHOR

Uses

Production

Process Flow Diagram

Machinery Required

46. LDPE/LLDPE POUCH FILMS

Uses

Raw Materials Process Description Process Flow
Diagram Machinery Required

47. E-WASTE RECYCLING

Effects on Environment and Human Health Effects
of E-Waste Constituent on Health Components of
E-Waste Management Process Description Manual
Dismantling and Sorting Mechanical Shredding
and Separation Metallurgical Processes Process
Flow Diagram

48. CATTLE FEED

Raw Materials for Concentrate Feeds

Process Description

Reception of Raw Material

Storage of Raw Materials

Blending

Grinding

Process Flow Diagram

Machinery Required

49. SAW PIPE

Uses

Industries Serviced
Oil and Gas Pipeline
Power Plant
Water & Sewerage
Structural
Other Industrial
Raw Material
Product Specification
Process Description
The Making of Spiral Weld Pipes
Ultra-Sonic Testing

X-Ray Test and Fluoroscopy
Hydro Testing
Final Inspection, Visual Checking,
Weighing and Measuring Process Flow
Diagram Machinery Required Pipe
Manufacturing & Testing Equipment

50. POLYETHYLENE WAX

Polyethylene Wax

Characteristic Properties of PE Wax

High Molecular Weight Polyethylene Wax

Low Molecular Weight Polyethylene Wax

Raw Material
Process Description
Reaction Conditions
Flow Diagram
Machinery Required

51. DISPOSABLE PLASTIC SYRINGES

Uses

Raw Material

Process Description

Plunger, Barrel & Gasket Production by

Injection Moulding Machine Advantages of
Injection Moulding Assembly of Plunger, Barrel,
Gasket and Needle by Machine Process Flow
Diagram Packing by Poly Bag or Blister
Sterilization by EO Sterilization Chamber
Machinery Required

52. CEMENT

Uses

Types of Cement

Raw Material

Process Description Mining and Crushing Raw Mill C.F. Silo and Preheater Kiln Operation Cement Grinding Process Flow Diagram Storage & Dispatch Machinery Required

See more: <http://goo.gl/H4DM6i>

Visit us at

www.entrepreneurindia.co

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #Street View

<https://goo.gl/VstWkd>

Niir PROJECT CONSULTANCY SERVICES

An ISO 9001:2008 Company



Niir Project Consultancy Services

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

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886

Mobile: +91-9811043595

Fax: +91-11-23841561

Website :

www.entrepreneurindia.co

**Take a look at NIIR PROJECT CONSULTANCY SERVICES on
#StreetView**

<https://goo.gl/VstWkd>



Follow Us



➤ <https://www.linkedin.com/company/niir-project-consultancy-services>



➤ <https://www.facebook.com/NIIR.ORG>



➤ <https://www.youtube.com/user/NIIRproject>



➤ <https://plus.google.com/+EntrepreneurIndiaNewDelhi>



➤ https://twitter.com/npcs_in



➤ <https://www.pinterest.com/npcsindia/>



For more information, visit us at:
www.entrepreneurindia.co