Startup Projects for Entrepreneurs: 50 Highly Profitable Small & Medium Industries (2nd Revised Edition)

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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.

Startup India Stand up

Our Prime Minister unveiled a 19-point action plan for start-up enterprises in India. Highlighting the importance of the Standup India Scheme, Hon'ble Prime minister said that the job seeker has to become a job creator. Prime Minister announced that the initiative envisages loans to at least two aspiring entrepreneurs from the Scheduled Castes, Scheduled Tribes, and Women categories. It was also announced that the loan shall be in the ten lakh to one crore rupee range.

A startup India hub will be created as a single point of contact for the entire startup ecosystem to enable knowledge exchange and access to funding. Startup India campaign is based on an action plan aimed at promoting bank financing for start-up ventures to boost entrepreneurship and encourage startups with jobs creation.

Startup India is a flagship initiative of the Government of India, intended to build a strong ecosystem for nurturing innovation and Startups in the country. This will drive sustainable economic growth and generate large scale employment opportunities. The Government, through this initiative aims to empower Startups to grow through innovation and design.

What is Startup India offering to the Entrepreneurs?

Stand up India backed up by Department of Financial Services (DFS) intents to bring up Women and SC/ST entrepreneurs. They have planned to support 2.5 lakh borrowers with Bank loans (with at least 2 borrowers in both the category per branch) which can be returned up to seven years.

PM announced that "There will be no income tax on startups' profits for three years"

PM plans to reduce the involvement of state government in the startups so that entrepreneurs can enjoy freedom.

No tax would be charged on any startup up to three years from the day of its establishment once it has been approved by Incubator.

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 startup as entrepreneur.

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

19.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

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 Recyling 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

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36. ETHYL OLEATE Properties Oleic Acid Uses Process Description Machinery Required

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

38. INSTANT NOODLESManufacturing ProcessProcessing and Classification of InstantNoodles 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 CuSO4 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

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Composition of Rice Husk Ash on Dry Basis
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2. Precipitation
3. Regeneration
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Machinery Required

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45. CAMPHOR Uses Production Process Flow Diagram Machinery Required

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47. E-WASTE RECYCLING

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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

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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

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Gasket and Needle by Machine Process Flow Diagram Packing by Poly Bag or Blister
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53. PHOTOGRAPH OF MACHINERY WITH SUPPLIERS CONTACT DETAILS

Noodle Making Machine **Grinding Machine Cooling Tower Chemical Reactors** Two Roller Mill **Crushing Machine** Heat Exchanger Extruder Pin Mill Boiler Hopper **Evaporators** Convevor Ball Mill Vaccum Pump **Shaving Machine**

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, Startup 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 varies 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.

Our Detailed Project report aims at providing all the critical data required by any entrepreneur vying to venture into Project. 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.

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