

# Profitable Small, Cottage & Home Industries

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The small scale sector is assuming greater importance every day. Hundreds of thousands of people start their own businesses at home every year, and untold more dream about the possibility of becoming their own bosses. Starting a business at home is the best when you do not have enough funds. While entrepreneurship has its many potential rewards, it also carries unique challenges. Making a choice of the right project is a difficult decision for an entrepreneur and is an imperative decision. In fact, before starting a business also one has to be thorough with the requirements of current line of industry. Above all taking advantage of various schemes provided by government and other financial institutions. For the reason that rest of the challenges for setting up, a business is based on the type of the product and fund to invest. Entrepreneurship helps in the development of nation. A successful entrepreneur not only creates employment for himself but for hundreds. Deciding on a right project can lead you to the road to success. An entrepreneur requires a continuous flow of funds not only for setting up of his/ her business, but also for successful operation as well as regular up gradation/modernization of the industrial unit. To meet this requirement, the Government (both at the Central and State level) has been undertaking several steps like setting up of banks and financial institutions; formulating various policies and schemes, etc. All such measures are specifically focused towards the promotion and development of small and medium enterprises. In both developed and developing countries, the Government is turning to small and medium scale industries and entrepreneurs, as a means of economic development and a veritable means of solving problems. It is a seedbed of innovations, inventions and employment.

## 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) intends 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.

Some of the major fundamentals of the book are steps in setting up an SSI, preparation of a project report, constitution of the firm, need for planning, registration/licences for SSI, resourcing, non financial, national level, state level, market survey, demand supply gap, major buying countries, plant economics, plastic granules from scraps/waste, process of manufacture to produce colourless transparent plastic granules from waste, P.V.C. hand gloves, plant & machinery suppliers, H.D.P.E. tarpaulins, fibre reinforced plastics, polyester resin, plastic cooler body, disposable plastic cups and glass etc., bleaching, dyeing & finishing of textiles, etc.

The book contains the aspects to plan any business strategy step by step. The book explains about business planning, effective marketing matters, facing the competition, resourcing, economics of plants and more aspects that will help start and maintain a new business. The identification of a suitable project within the investment limit of a new entrepreneur is very difficult. The present book strives to meet this specific entrepreneurial need. The book contains processes formulae, brief profiles of various projects which can be started in small investment without much technical knowledge at small place. This is very resourceful publication for new entrepreneurs, professionals, libraries etc.

#### 1. Steps in Setting Up an SSI

Step 1 : Know Yourself

Step 2 : Training

Step 3: Project Identification Selection

Step 4: Location of the Enterprise

Premises Owned Vs Hired

Typical Question

Step 5: Preparation of a Project Report

Typical Questions

How is the cost project report calculated?

What is meant by 'contingencies'?

What are the expenses included under preliminary and preoperative expenses?

How does one calculate the amount of margin on Working Capital?

Step 6: Arranging Technical know how

Step 7: Constitution of the firm

Step 8: Registration

Step 9: Arranging Finance

Other Sources

Need for Planning

Margin Money

I Needn't Be Rich

Step 10: Statutory Licences/Approvals/Clearances<sup>26</sup>

Step 11: Arranging Land & Building

Step 12: Procuring Plant & Machinery

Step 13: Utilities: Power Connection/Water Supply<sup>35</sup>

Step 14: Recruitment of Personnel

Step 15 : Procurement of Raw Materials

Step 16 : Registration with Excise/Sales Tax Authorities

Step 17 : Trial Production

Step 18 : Commercial Production

Step 19 : Marketing

Step 20: Accountants and Record-Keeping

Step 21: Market Research

Step 22: Quality Control

Step 23: Updating Yourself

Step 24: Growth

Step 25: Avoiding Typical Pitfalls

## 2. Registration/Licences for SSI

Special Approvals

Pollution Control Board

## 3. Resourcing

(A) Non-Financial

I. National Level

II. State Level

(B) Financial

## 4. Plastic Spectacle Frames

Introduction

Uses and Applications

Raw Material Required

B.I.S. Specifications

Frame Spectacle Glossary

Market Survey

Demand Supply Gap

Major Buying Countries

Quality Control and Standatd

Process of Manufacture

Sheet Cutting

Forming and Welding

Wire Insertion

Assembling & Buffing

Packing and Despatching

Raw Material Suppliers  
Cellulose Acetate Sheet  
Steel Wire or Rod  
Suppliers of Plant Machineries  
Forming and Welding Machine  
Drilling Machine  
Compression Moulding Machine  
Plant Economics

#### 5. P.V.C. Rexine Cloth

Introduction  
Polyvinyl Chloride (P V C)  
Common Name - P V C  
Characteristics  
Uses and Applications  
Market Survey  
Manufacturing Process  
Pigment Titanium Dioxide  
Supply of Raw Material PVC Resins  
Titanium Dioxide  
Lead Stearate  
Plastic Colours & Pigments  
Suppliers of Plant & Machinery  
Plant Economics

#### 6. Plastic Granules from Scraps/Waste

Introduction  
Plastic Classification  
Uses and Applications  
Resources of Plastic Waste  
Foreign Suppliers of plastic Waste  
Waste Raw Materials Suppliers  
B.I.S. Specification  
Process of Manufacture to Produce Colourless Transparent Plastic Granules from Waste  
Sorting  
Smashing  
Washing  
Concentration of Blending  
Solvent Addition  
Removal of Colour to Obtain Transparent  
Granules by Activated Carbon Treatment  
Filtration  
Distillation  
Cooling and Dehumidifying  
Granulation  
Manufacturing Process Flow Sheet for Plastic Granules from Plastic Scrap  
Suppliers of Plant & Machinery  
Reaction Vessel  
Granulators  
Mixer  
Distillation Units  
Rotary Drum Filters  
Grinder

Plastic Waste Grinder & Cutter  
Dryer  
Baby Boilers  
Tanks  
Storage Tank  
Packaging Machinery  
Pipe & Fitting  
Motors & Pumps  
Suppliers of Raw Materials Dimethyl Phthalate  
Ethanol  
Toluene & Xylene  
Activated Carbon  
Plant Economics

## 7. P.V.C. Hand Gloves

Introduction  
Properties  
Uses  
B.I.S. No. of Hand Gloves  
Manufacturing Process  
Packing Process  
Process Flow Diagram  
Market Survey  
Production of Hand Gloves  
Present Manufacturers  
Plant & Machinery Suppliers  
Raw Material Suppliers  
Plant Economics

## 8. H.D.P.E. Tarpaulins

Introduction  
Properties of HDPE  
Uses and Application  
B.I.S. Specifications  
Market Survey  
Export Potential  
Lamination (or Sealing) By Hot Rolling  
Process Flow Diagram for HDPE Woven Tarpaulines  
Suppliers of Raw Materials  
H.D.P.E. Granules  
Plasticizers  
Stabilizers  
Colours  
Printing Inks  
Suppliers of Plant & Machinery  
Plain Looms  
Warping Machine  
Flexographic Printing Machineries  
Present Manufacturers  
Plant Economics

## 9. Tooth Brush

Introduction

Properties of Tooth Brush  
B.I.S. Specification  
Uses and Application  
Market Survey  
Manufacturers of Tooth Brushes  
Handle Making  
Fibre Dressing  
Filling  
Trimming  
Embossing of the Mark etc.  
Packing  
Process Flow Sheet for Tooth Brush Making  
Suppliers of Raw Materials  
Polystyrene  
Colour  
Packaging Materials  
Sheets for Tooth Brush Handles  
Suppliers of Plant and Machinery  
Moulding Press (Hand Operated)  
Other Machinery  
Moulds & Dies  
Plant Economics

#### 10. H.D.P.E. Films/Sheets

Introduction  
Uses & Applications of High Density  
Polyethylene Sheets or Films  
Properties of High Density Polyethylene Sheet  
B.I.S. Specification  
Market Survey  
Demand Supply Gap  
Manufacturing Process  
Plant & Machineries Suppliers  
Suppliers of Raw Material  
Plant Economics

#### 11. Fibre Reinforced Plastics

Introduction  
Properties  
Uses and Applications  
Market Potential  
Present Manufacturers  
Formulation & Process of Manufacture  
Catalysts and Accelerators  
Colouring material & Fillers  
Processing Conditions  
Flow Sheet for Fibre Reinforced Glass Moulded Products  
Raw Materials Suppliers  
Fibre Glass  
Polyester Resin  
Calcium Carbonate  
China Clay  
Hydrated Lime

Calcium Stearate  
Methyl-Ethyl Ketone Peroxide  
Plant and Machinery  
Plant Economics

## 12. Polyester Resin

Introduction  
Properties and Uses  
Indian Standard Specifications  
Market Survey  
Estimated Demand for Polyester Film  
Process of Manufacture  
Blending Operation  
Packaging  
Suppliers of Plant and Machinery  
Present Manufacturers/Suppliers  
Raw Materials  
Maleic Anhydride  
Phthalic Anhydride  
Styrene  
Propylene Glycol  
Plant Economics

## 13. Plastic Cooler Body

Introduction  
Blow Moulding Machine  
Extrusion  
Properties  
Uses  
B.I.S. Specification  
Manufacturing Process  
Manufacturing Flow Sheet  
Market Survey Report  
Uses of coolers in India as Follows  
Suppliers of Plant and Machineries  
Injection Moulding M/c.  
Raw Material Suppliers  
Plant Economics

## 14. Disposable Plastic Cups and Glass Etc.

Introduction  
Market Survey  
Manufacturing Method  
Thermoforming  
Machine Type  
Moulds  
Glass  
Cups  
Plates  
Spoons  
Printing on Cups, Glasses and Plates  
Roto Gravure Printing  
Suppliers of Machine

Forming Machine Suppliers  
Sealing Machine  
Moulding Dies  
Suppliers of Raw Material  
Polypropylene  
L.D.P.E. Film  
Ethylene Oxide  
Present Manufacturers  
Plant Economics

#### 15. Electroplating of Plastics

Introduction  
Properties  
Uses and Applications  
B.I.S. Specification  
Market Survey  
Present Electroplaters  
Pre-Plating Treatments  
Plastic Moulding  
Cleaning  
Solvent Treatment  
Conditioning  
Sensitizing, Nucleation  
Sensitizing  
Conditions of Use  
Nucleation  
Electroless Plating  
Operating Conditions  
Electroplatings  
Electroplating Process  
Manufacturing Process Flow Diagram  
Raw Material Suppliers  
Suppliers of Plant and Machinery  
Plant Economics

#### 16. Bakelite Electrical Accessories

Introduction  
Properties of Electrical Accessories  
Uses & Applications  
Raw Materials Required  
Plant & Machine Required  
Process of Manufacture  
Compression Moulding  
Transfer Moulding  
Injection Moulding Thermoset  
Manufacture of Handles for Iron  
Cost Economics

#### 17. Bleaching, Dyeing & Finishing of Textiles

Introduction  
Market Survey  
Raw Material Required  
Plant & Machinery Required



Description of Textile Fibres  
Name of Acrylic Fibres  
Bleaching of Cotton Textiles  
Cellulose Dyeing with Procion (Reactive) Dyes  
Winch Dyeing of Cotton Knit Goods  
with Procion M Dyes  
Modified Methods for "Difficult" Cotton Material  
Modified Methods for Dyeing of "Difficult"  
Cotton Materials with Procion H Dyes  
on winch Machine  
Procion M dyes  
Jig Dyeing of Woven Cotton Piece Goods  
Dyeing of cotton Piece Goods with  
Procion M Dyes  
Pad Jig Developed Method  
Development  
Pad Jig Developed Method  
Dyeing of Cotton Piece Goods with  
Procion H Dyes  
Dyeing of Cotton & Loose Fibre  
Dyeing with Procion M Dyes  
Dyeing with Procion H Dyes  
Dyeing of Ribbons, Tapes & Narrow  
Fabric with Procion Dyes  
Use of Wetting Agents in Procion H Dye  
Baths for Cellulosic Materials  
Wet Fastness Properties of Procion Dyeing  
Dyeing of Cotton Textiles with Sulphur Black  
Wash & Wear Finishes  
Cost Economics

## 18. Acid Slurry

Introduction  
Properties  
Uses & Applications  
Market Survey  
Raw Material Required  
Plant & Machinery Required  
Process of Manufacture  
Cost Economics

## 19. Ceramic Industries

Introduction  
Properties & Characteristics  
Uses & Applications  
Market Survey  
Formulations  
Raw Materials Required  
Plant & Machinery Required  
Manufacturing Process  
Manufacturing of Wares (White, Sanitary & Art)  
Jiggering  
Castings

Finishing  
Glazing & Firing  
Decoration  
Manufacturing of Structural Ceramics  
Manufacturing of Refractories  
Drying  
Burning  
Manufacturing of Glass  
Melting  
Shaping & Forming  
Annealing  
Finishing  
Cost Economics

## 20. Adhesives (Fevicol and Vamicol Etc.)

Introduction  
Phenol Formaldehyde Resin  
Urea Formaldehyde Resin  
Thermoplastic Resin  
Market Survey  
Process of Manufacture  
Composition of Phenol Formaldehyde Adhesive  
Urea Formaldehyde Adhesives  
Process Manufacture  
Process  
Raw Material Required  
Plant & Machinery Required  
Manufacturing Process  
Cost Economics

## 21. Computer Ribbons

Introduction  
Uses & Applications  
Market Survey  
Formulation of Inks  
Raw Material Required  
Plant & Machinery Required  
Manufacturing process  
Application of Ink to the Tape  
Cost Economics

## 22. Coir-Foam

Introduction  
Properties & Characteristics  
Uses & Applications  
Market Survey  
Formulation  
Raw Material Required  
Plant & Machinery Required  
Manufacturing Process  
Cost Economics

## 23. Cosmetics

Introduction  
Classification  
Properties and Characteristics  
Uses & Application  
Market Survey  
Raw Material Required  
Plant & Machinery  
Manufacturing process  
Formulations  
Antiperspirant & Deodorants  
Deodorant Liquid Formulation  
Baby Cream  
Baby Oil  
Dry Skin Cream  
Moisturising Cream  
Enamel Remover  
Process of Manufacture  
Depilatories  
Hair Dyes  
Lead Dye  
Black Silver Dye  
Copper Hair Dye  
Hair Fixers  
Lipsticks  
Nail Lacquers  
Talcum Powders  
Shampoos  
Powder Shampoos  
Shampoo Sulfonated Oil-Soapless  
Tooth Paste & Powder  
Herbal Formulations  
Extracted Flavour for Herbal Tooth Paste  
Flavour Used for Tooth Paste  
Herbal Tooth Powder  
Herbal Hair Oil  
Herbal Shampoo  
Cost Economics

#### 24. Electric Mixer

Introduction  
Market Survey  
Raw Material Required  
Plant & Machinery Required  
Testing Instruments  
Process of Manufacture  
Cost Economics

#### 25. Hawai Chappal

Introduction  
Properties & Characteristics  
Uses & Applications  
Market Survey  
Formulations

Raw Materials  
Plant & Machinery  
Manufacturing Process  
Manufacture of Straps  
Manufacture of Sole Surface  
Manufacture of Sole  
Cost Economics

## 26. Greases

Introduction  
Properties  
Mechanical Properties  
Loss of Evaporation  
Oxidation Stability  
Heat Stability  
Uses & Applications  
Market Survey  
Formulation of Greases  
Raw Materials  
Plant & Machinery  
Process of Manufacture  
Principles  
Processing  
Manufacturing Process of Greases in General  
Cost Economics

## 27. Ferric Alum

Introduction  
Properties & Characteristics  
Uses & Applications  
Market Survey  
Raw Material Required  
Plant & Machinery Required  
Manufacturing Process  
Cost Economics

## 28. Hosiery Industry

Introduction  
Uses & Applications  
Market Survey  
Raw Material Required  
Plant & Machinery Required  
Manufacturing Process  
Manufacture of Banyans & T-shirts  
Manufacture of Underwears  
Manufacturing of Sweaters  
Cost Economics

## 29. Leather Garments

Introduction  
Uses & Applications  
Market Survey  
Raw Materials

Plant & Machinery  
Manufacturing Process  
Vests  
Caps  
Cost Economics

### 30. Fruit Drinks

Introduction  
Properties  
Uses & Applications  
Market Survey  
Raw Material Required  
Plant & Machinery  
Manufacturing Process  
Cost Economics

### 31. Ice Cream and Ice Candy Industry

Introduction  
Properties & Characteristics  
Uses & Applications  
Market Survey  
Formulations  
Raw Material Required  
Plant & Machinery Required  
Manufacturing Process  
Cost Economics

### 32. Mushrooms (Dehydration & Pickling of Oyster and Paddy Straw Mushroom)

Names of Some Common Mushrooms  
Properties  
Analysis of Some Common Edible Mushrooms  
Button Mushroom  
Uses & Applications  
Market Survey  
Raw Material Required  
Plant & Machinery Required  
Processing of Mushrooms  
Cleaning  
Blanching  
Canning  
Sterilization  
Cooling  
Pickling & Preservation  
Cost Economics

### 33. Match Box and Fire Works Making Industry

Introduction  
Uses & Applications  
Market Survey  
Match Works  
Formulation  
Raw Material Required  
Plant & Machinery Required

Manufacturing Process  
Cost Economics

#### 34. Naphthalene Balls

Introduction  
Properties & Characteristics  
Physical of Naphthalene  
Uses & Applications  
Market Survey  
Raw Material Required  
Plant & Machinery Required  
Manufacturing Process  
Cost Economics

#### 35. Paints Industry

Introduction  
Properties & Characteristics  
Uses & Applications  
Market Survey  
Raw Material Required  
Plant & Machinery Required  
Paint Formulae  
Manufacturing Process  
Ready Mixed Paints  
Raw Materials for the Manufacture of Paints  
Manufacture of Paint  
Cost Economics

#### 36. Reclamation of Used Engine Oil

Introduction  
Uses  
Market Survey  
Raw Materials  
Plant & Machinery  
Process of Manufacture  
Cost Economics

#### 37. Pencil Making Industry

Introduction  
Properties & Characteristics  
Uses & Application  
Market Survey  
Formulation  
Raw Material Required  
Plant & Machinery Required  
Manufacturing Process  
Finishing Process  
Cost Economics

#### 38. Room Cooler (Desert Type)

Properties & Characteristics  
Uses & Applications  
Market Survey

Raw Material Required  
Plant & Machinery Required  
Manufacturing Process  
Cost Economics

#### 39. Soap Industry

Introduction  
Properties & Characteristics  
Uses & Applications  
Market Survey  
Formulations for Toilet Soaps  
Raw Materials  
Machinery Required  
Manufacturing Process  
Cold Process  
Semi-Boiled Process  
Full Boiled or Grain Process  
Cost Economics

#### 40. Electronic Toys

Introduction  
Uses & Applications  
Market Survey  
Plant & Machinery Required

Process of Manufacture  
Cost Economics

#### 41. Engine Coolant

Introduction  
Properties & Characteristics  
Uses & Applications  
Market Survey  
Formulations  
Raw Material Required  
Plant & Machinery Required  
Manufacturing Process  
Cost Economics

## 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.

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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