

Business Ideas for Startup in Drugs & Pharmaceutical Industry with Project Profiles (3rd Edition)

Author: Ajay Kumar Gupta

Format: paperback

Code: NI5

Pages: 159

Price: Rs 2595 | US\$ 223

Publisher: NIIR PROJECT CONSULTANCY SERVICES

Shipping: 5 days

About the Book

Business Ideas for Startup in Drugs & Pharmaceutical Industry with Project Profiles(L-Ascorbic Acid (Plain), Pharmaceutical Unit, Ciprofloxacin Hydrochloride, Paracetamol, Paracetamol (BP/IP/US6P Grade), Sterile Water for Injection, Active Pharma Ingredients Metformin and Ciprofloxacin, IV Fluid (BFS Technology))

The Drugs & Pharmaceutical Industry refers to the sector that is involved in the development, production, and distribution of pharmaceutical drugs. It encompasses a wide range of activities, including research and development, clinical trials, manufacturing, marketing, and sales. This industry plays a crucial role in improving the health and well-being of individuals around the world. Pharmaceutical companies are responsible for creating and manufacturing drugs that are used to prevent, diagnose, and treat diseases and medical conditions. These drugs undergo rigorous testing and must be approved by regulatory authorities before they can be brought to market. They are produced in various forms, such as tablets, capsules, injections, and creams, and are prescribed by healthcare professionals to patients.

The Drugs & Pharmaceutical Industry operates on a global scale, with companies based in different countries and catering to diverse markets. It is a highly regulated sector, with strict guidelines and protocols in place to ensure the safety and efficacy of drugs. The industry is constantly evolving, with new research and advancements in technology driving innovation. The pharmaceutical drugs market is expected to reach \$1,848.49 billion at a CAGR of 11.4%. The rise in sedentary jobs, busy lifestyles, and changing consumer preferences are affecting the disease profile of the world population, especially non-communicable diseases such as cancer, diabetes, and cardiovascular diseases. Long working hours, less physical activity, and unhealthy eating and drinking habits are major causes of chronic diseases such as diabetes.

The major contents of the book are production of L-Ascorbic Acid (Plain), Pharmaceutical Unit, Ciprofloxacin Hydrochloride, Paracetamol, Paracetamol (BP/IP/USP Grade), Sterile Water for Injection, Active Pharma Ingredients Metformin and Ciprofloxacin, IV Fluid (BFS Technology) Manufacturing Process, Project Profiles (with cost estimation) and process flow diagrams. This book is also a fantastic resource for people interested in or who have worked in the Drugs & Pharmaceutical Industry.

While primarily designed for entrepreneurs and startups, this book also serves as an invaluable resource for investors, consultants, pharmaceutical professionals, and academicians. Its holistic approach ensures that it caters to a broad spectrum of readers, all of whom have a stake in the prosperous future of the drugs and pharmaceutical industry.

In "Business Ideas for Startup in Drugs & Pharmaceutical Industry with Project Profiles", you aren't just purchasing a book; you're acquiring a partner for your entrepreneurial journey. A partner that will guide, inform, and support you at every step, ensuring your venture in the drugs and pharmaceutical world is both profitable and groundbreaking. This is the only book that covers the process of making commercial Drugs & Pharmaceutical Products. From concept through equipment procurement, it is a veritable feast of how-to

information.

Contents

1. INTRODUCTION
 - a. HEALTH AND WELLNESS
 - b. PHARMACEUTICAL MARKET TRENDS
 - c. DRUGS
 - i. Market Survey in Global Pharmaceutical
 - d. PHARMACEUTICAL SECTOR IN INDIA
 - i. Market Survey Pharmaceutical India
 - ii. Opportunity of Pharmaceutical
2. L-ASCORBIC ACID (PLAIN)
 - a. INTRODUCTION
 - b. MOLECULAR STRUCTURE OF L-ASCORBIC ACID
 - c. CHEMICAL AND PHYSICAL PROPERTIES OF L-ASCORBIC ACID
 - d. SOURCES OF L-ASCORBIC ACID
 - e. BIOSYNTHESIS OF L-ASCORBIC ACID IN PLANTS
 - f. PRODUCT CHARACTERISTICS
 - g. USES
 - h. BENEFITS
 - i. MANUFACTURING PROCESS
 - j. PROCESS FLOW DIAGRAM
 - k. POLLUTION CONTROL SYSTEM
 - l. PLANT ECONOMICS
3. PHARMACEUTICAL UNIT
 - a. INTRODUCTION
 - i. Tablets
 - ii. Capsules
 - iii. Syrup
 - iv. Ointment
 - b. PROPERTIES OF DRUGS
 - c. VARIOUS FORMS OF DRUGS
 - i. Powder
 - ii. Tablets and Pills
 - iii. Liquids
 - d. MANUFACTURING WITH FORMULATION FOR VARIOUS TABLETS
 - e. PROCESS FLOW DIAGRAM FOR TABLETS
 - f. MANUFACTURING PROCESS OF CAPSULES
 - g. MANUFACTURE OF HARD GELATIN CAPSULE
 - h. MANUFACTURE OF SOFT GELATIN CAPSULE
 - i. FORMULATION FOR VARIOUS CAPSULES
 - j. PROCESS FLOW DIAGRAM FOR CAPSULES
 - k. MANUFACTURING PROCESS OF SYRUP
 - l. FORMULATION FOR VARIOUS SYRUPS
 - m. PROCESS FLOW DIAGRAM FOR SYRUP
 - n. MANUFACTURING PROCESS OF OINTMENT
 - o. PROCESS FLOW DIAGRAM FOR OINTMENT
 - p. PLANT ECONOMICS
4. CIPROFLOXACIN HYDROCHLORIDE

- a. INTRODUCTION
 - b. USES
 - c. APPLICATIONS
 - d. PROPERTIES
 - e. MATERIAL BALANCE FOR CIPROFLOXACIN HYDROCHLORIDE
 - f. MANUFACTURING PROCESS
 - i. Raw Material Required
 - g. PROCESS DESCRIPTION
 - i. Chemical Route of Synthesis
 - h. PROCESS STEPS
 - i. PROCESS FLOW DIAGRAM
 - j. SAFETY & PRECAUTIONS
 - k. HANDLING AND STORAGE
 - l. PLANT ECONOMICS
5. PARACETAMOL
- a. INTRODUCTION
 - b. PARACETAMOL
 - c. TYPES OF PARACETAMOL
 - d. PRODUCT CHARACTERISTICS AND SPECIFICATION
 - i. Physical Property
 - ii. Chemical Properties
 - e. USES
 - f. PRODUCT FORM
 - g. MANUFACTURING PROCESS
 - i. Basic Raw Material Used
 - h. PROCESS
 - i. PROCESS FLOW DIAGRAM
 - j. PARACETAMOL TABLET MANUFACTURING PROCESS
 - k. ENVIRONMENTAL IMPACT
 - i. Environmental Aspect of Manufacturing Process
 - ii. Waste Generated and Mitigation Measures
 - iii. Waste Generated During Construction Phase
 - iv. Waste Generated During Operation Phase
 - l. PLANT ECONOMICS
6. PARACETAMOL (BP/IP/USP GRADE)
- a. INTRODUCTION
 - b. USES & APPLICATIONS
 - i. Uses of Paracetamol Powder
 - c. DOSING INFORMATION (PARACETAMOL)
 - d. PROPERTIES & SPECIFICATIONS OF PRODUCTS
 - i. Physical Property
 - ii. Chemical Properties
 - e. SPECIFICATION
 - f. BASIC RAW MATERIALS DETAILS
 - g. FORMULATION
 - h. MANUFACTURING PROCESS
 - i. PROCESS FLOW DIAGRAM
 - j. SAFETY & OCCUPATIONAL MEASURE FOR STORAGE/HANDLING OF RAW MATERIAL & PRODUCT
 - k. PLANT ECONOMICS
7. STERILE WATER FOR INJECTION
- a. INTRODUCTION

- b. TYPES OF WATER
- c. STERILE WATER FOR INJECTION
- d. USES & APPLICATIONS
- e. CHARACTERISTIC & PROPERTIES
- f. WATER SOLVENTS
 - i. Water Miscible Solvents
- g. WATER IMMISCIBLE SOLVENTS
- h. METHODS OF PREPARATION OF STERILE WATER
 - i. Distillation Based Sterile Water
 - ii. Multiple Effect Distillation
- i. MANUFACTURING PROCESS
 - i. Basic Raw Material Required
 - ii. Basic Plant and Machineries Required
- j. PROCESS FLOW DIAGRAM
- k. QUALITY CONTROL
- l. PLANT ECONOMICS
- 8. ACTIVE PHARMA INGREDIENTS METFORMIN AND CIPROFLOXACIN
 - a. METFORMIN
 - i. Introduction
 - ii. Medical Uses
 - iii. Chemical & Physical Properties
 - iv. Product Detail
 - v. Raw Material-Description
 - vi. Manufacturing Process
 - vii. Process Flow Diagram
 - viii. Handling and Storage
 - b. CIPROFLOXACIN
 - i. Introduction
 - c. SYNONYMS
 - d. SPECIFICATIONS
 - i. Medical Uses
 - e. PHYSICAL AND CHEMICAL PROPERTIES
 - i. Basic Raw Material
 - ii. Manufacturing Process
 - iii. Process Flow Diagram of Ciprofloxacin
 - f. PLANT ECONOMICS
- 9. IV FLUID (BFS TECHNOLOGY)
 - a. INTRODUCTION
 - b. USES AND APPLICATIONS
 - c. GRADES OF I.V. FLUID
 - d. TYPES OF FLUID
 - i. Commonly Used IV Fluids
 - e. MANUFACTURING PROCESS
 - f. BLOW-FILL-SEAL (BFS) TECHNOLOGY
 - g. QUALITY CONTROL
 - h. PROCESS FLOW DIAGRAM
 - i. PLANT ECONOMICS

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/>