Pharmaceutical Manufacturing Unit (Beta-lactum and Non-Beta lactum)

Introduction

Pharmaceutical formulation, in pharmaceutics, is the process in which different chemical substances, including the active drug, are combined to produce a final medicinal product. The word formulation is often used in a way that includes dosage form.
Beta-lactam antibiotics, including penicillins and the non-penicillin classes, share a basic chemical structure that includes a three-carbon, one-nitrogen cyclic amine structure known as the beta-lactam ring. The side chain associated with the beta-lactam ring is a variable group attached to the core structure by a peptide bond; the side chain variability contributes to antibacterial activity.
Various industry reports suggest that the pharmaceutical sector in India has been growing consistently at the rate of 13-14 % every year. India enjoys an important position in the global pharmaceuticals sector. The country also has a large pool of scientists and engineers who have the potential to steer the industry ahead to an even higher level. As a whole it is a good project for new entrepreneurs to invest.
Market Outlook

The Indian pharmaceuticals market increased at a CAGR of 17.46 per cent during 2005-16 with the market increasing from US$ 6 billion in 2005 to US$ 36.7 billion in 2016 and is expected to expand at a CAGR of 15.92 per cent to US$ 55 billion by 2020.
Revenue of Indian Pharmaceutical Sector (US $ Billion)
India is the largest provider of generic drugs globally with the Indian generics accounting for 20 per cent of global exports in terms of volume. Of late, consolidation has become an important characteristic of the Indian pharmaceutical market as the industry is highly fragmented.
India enjoys an important position in the global pharmaceuticals sector. The Indian pharma industry, which is expected to grow over 15 per cent per annum between 2015 and 2020, will outperform the global pharma industry, which is set to grow at an annual rate of 5 per cent between the same periods. The market is expected to grow to US$ 55 billion by 2020, thereby emerging as the sixth largest pharmaceutical market globally by absolute size.
Indian pharmaceutical sector accounts for about 2.4 per cent of the global pharmaceutical industry in value terms and 10 per cent in volume terms.

The Indian pharmaceutical market size is expected to grow to US$ 100 billion by 2025, driven by increasing consumer spending, rapid urbanisation, and raising healthcare insurance among others.
Few Indian Major Players are as under

- Aurobindo Pharma Ltd.
- Arbro Pharmaceuticals Pvt. Ltd.
- Bafna Pharmaceuticals Ltd.
- Fermenta Biotech Ltd.
- Nitin Lifesciences Ltd.
- Shreya Life Sciences Pvt. Ltd.
- Taj Pharmaceuticals Ltd.
### Project at a Glance

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
<th>Total</th>
<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
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<td>Capital</td>
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## Project at a Glance

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<th>Year</th>
<th>Annualised</th>
<th>Book Value</th>
<th>Debt</th>
<th>Dividend</th>
<th>Retained Earnings</th>
<th>Payout</th>
<th>Probable Market Price</th>
<th>P/E Ratio</th>
<th>Yield Price/Book Value</th>
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<td>Per Share</td>
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## Project at a Glance

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<th>Equity as-Equity</th>
<th>Total Net Worth</th>
<th>Return on Net Worth</th>
<th>Profitability Ratio</th>
<th>Assets Turnover Ratio</th>
<th>Current Ratio</th>
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<td>Individ Cumulative Overall</td>
<td>(Number of times)</td>
<td>(Number of times)</td>
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<td>1.24</td>
<td>1.38</td>
<td>1.38</td>
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<td>37.00%</td>
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<td>0.65</td>
<td>3.38</td>
<td>38.21%</td>
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<td>1.55 1.91</td>
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<td>39.74%</td>
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<td>15.34%</td>
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# Project at a Glance

## BEP

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<tr>
<td>Cash BEP (% of Installed Capacity)</td>
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<td>Total BEP (% of Installed Capacity)</td>
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## IRR, PAYBACK and FACR

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<th>Value</th>
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<tr>
<td>Internal Rate of Return .. ( In %age )</td>
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</tr>
<tr>
<td>Payback Period of the Project is ( In Years )</td>
<td>2 Years 4 Months</td>
</tr>
<tr>
<td>Fixed Assets Coverage Ratio ( No. of times )</td>
<td>20.967</td>
</tr>
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</table>
1. What is Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing industry?

2. How has the Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing industry performed so far and how will it perform in the coming years?

3. What is the Project Feasibility of Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing Plant?

4. What are the requirements of Working Capital for setting up Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?
5. What is the structure of the Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing Business and who are the key/major players?

6. What is the total project cost for setting up Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?

7. What are the operating costs for setting up Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?

8. What are the machinery and equipment requirements for setting up Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?

10. What are the requirements of raw material for setting up Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?

12. What is the Manufacturing Process and Formulations of Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?
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14. What will be the income and expenditures for Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?

15. What are the Projected Balance Sheets of Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?

16. What are the requirement of utilities and overheads for setting up Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?

17. What is the Built up Area Requirement and cost for setting up Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing Business?
18. What are the Personnel (Manpower) Requirements for setting up Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing Business?

19. What are Statistics of Import & Export for Pharmaceutical (Beta-Lactam and Non-Beta Lactam)?

20. What is the time required to break-even of Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?

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24. What is the Sensitivity Analysis - Price/Volume of Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?

25. What are the Projected Pay-Back Period and IRR of Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?

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28. What is the Market Study and Assessment for setting up Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Manufacturing plant?

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6. CLEANROOM AIR FLOW PRINCIPLES

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  - Indigenous Machineries
  - Other Machineries (Miscellaneous, Laboratory etc.)

- **Other Fixed Assets**
  - Furniture & Fixtures
  - Pre-operative and Preliminary Expenses
  - Technical Knowhow
  - Provision of Contingencies

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  - Raw Material
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  - Lab & ETP Chemical Cost
  - Consumable Store
- Overheads Required Per Month and Per Annum…………………….8
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  Preference Share Capital
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- Resultant D.S.C.R
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  ▪ Net Usable Load/Capacity of Products/Services/Items
  ▪ Expected Sales/ Revenue/ Income of Products/ Services/ Items
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<td>Product wise Domestic Sales Realisation</td>
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<td>Total Raw Material Cost</td>
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<td>Raw Material Cost per unit</td>
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<td>17</td>
<td>Total Lab &amp; ETP Chemical Cost</td>
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<td>18</td>
<td>Consumables, Store etc.</td>
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<td>19</td>
<td>Packing Material Cost</td>
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<td>20</td>
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</table>
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• Annexure 22 :: Fuel Expenses
• Annexure 23 :: Power/Electricity Expenses
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Reasons for buying our report:

• This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product

• This report provides vital information on the product like it’s characteristics and segmentation

• This report helps you market and place the product correctly by identifying the target customer group of the product
• This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials

• The report provides a glimpse of government regulations applicable on the industry

• The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions
Our Approach:

• Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.

• The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players.

• We use reliable sources of information and databases. And information from such sources is processed by us and included in the report.
Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Pharmaceutical (Beta-Lactam and Non-Beta Lactam)” provides an insight into the Pharmaceutical (Beta-Lactam and Non-Beta Lactam) market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Pharmaceutical (Beta-Lactam and Non-Beta Lactam) project. The report assesses the market sizing and growth of the Indian Pharmaceutical (Beta-Lactam and Non-Beta Lactam) Industry. 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. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:
• Good Present/Future Demand
• Export-Import Market Potential
• Raw Material & Manpower Availability
• Project Costs and Payback Period

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Pharmaceutical (Beta-Lactam and Non-Beta Lactam) sector in India along with its business prospects. Through this report we have identified Pharmaceutical (Beta-Lactam and Non-Beta Lactam) project as a lucrative investment avenue.

See more

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Our inexhaustible Client list includes public-sector companies, Corporate Houses, Government undertaking, individual entrepreneurs, NRI, Foreign investors, non-profit organizations and educational institutions from all parts of the World. The list is just a glimpse of our esteemed & satisfied Clients.

Click here to take a look https://goo.gl/G3lCjV
Free Instant Online Project Identification & Selection Search Facility

Selection process starts with the generation of a product idea. In order to select the most promising project, the entrepreneur needs to generate a few ideas about the possible projects. Here’s we offer a best and easiest way for every entrepreneur to searching criteria of projects on our website www.entrepreneurindia.co that is “Instant Online Project Identification and Selection”
NPCS Team has simplified the process for you by providing a "Free Instant Online Project Identification & Selection" search facility to identify projects based on multiple search parameters related to project costs namely: Plant & Machinery Cost, Total Capital Investment, Cost of the project, Rate of Return% (ROR) and Break Even Point % (BEP). You can sort the projects on the basis of mentioned pointers and identify a suitable project matching your investment requisites.

Click here to go

http://www.entrepreneurindia.co/project-identification
Contact us

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Who are we?

- One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services
- We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients’ in India & abroad
We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.
We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.
What do we offer?

- Project Identification
- Detailed Project Reports/Pre-feasibility Reports
- Market Research Reports
- Business Plan
- Technology Books and Directory
- Industry Trend
- Databases on CD-ROM
- Laboratory Testing Services
- Turnkey Project Consultancy/Solutions
- Entrepreneur India (An Industrial Monthly Journal)
How are we different?

- We have two decades long experience in project consultancy and market research field
- We empower our customers with the prerequisite know-how to take sound business decisions
- We help catalyze business growth by providing distinctive and profound market analysis
- We serve a wide array of customers, from individual entrepreneurs to Corporations and Foreign Investors
- We use authentic & reliable sources to ensure business precision

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Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation
Who do we serve?

- Public-sector Companies
- Corporates
- Government Undertakings
- Individual Entrepreneurs
- NRI’s
- Foreign Investors
- Non-profit Organizations, NBFC’s
- Educational Institutions
- Embassies & Consulates
- Consultancies
- Industry / trade associations
Sectors We Cover

- Ayurvedic And Herbal Medicines, Herbal Cosmetics
- Alcoholic And Non Alcoholic Beverages, Drinks
- Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin
- Activated Carbon & Activated Charcoal
- Aluminium And Aluminium Extrusion Profiles & Sections
- Bio-fertilizers And Biotechnology
- Breakfast Snacks And Cereal Food
- Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling

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Sectors We Cover

- Bamboo And Cane Based Projects
- Building Materials And Construction Projects
- Biodegradable & Bioplastic Based Projects
- Chemicals (Organic And Inorganic)
- Confectionery, Bakery/Baking And Other Food
- Cereal Processing
- Coconut And Coconut Based Products
- Cold Storage For Fruits & Vegetables
- Coal & Coal Byproduct
Sectors We Cover

- Copper & Copper Based Projects
- Dairy/Milk Processing
- Disinfectants, Pesticides, Insecticides, Mosquito Repellents,
- Electrical, Electronic And Computer based Projects
- Essential Oils, Oils & Fats And Allied
- Engineering Goods
- Fibre Glass & Float Glass
- Fast Moving Consumer Goods
- Food, Bakery, Agro Processing
Sectors We Cover

- Fruits & Vegetables Processing
- Ferro Alloys Based Projects
- Fertilizers & Biofertilizers
- Ginger & Ginger Based Projects
- Herbs And Medicinal Cultivation And Jatropha (Biofuel)
- Hotel & Hospitality Projects
- Hospital Based Projects
- Herbal Based Projects
- Inks, Stationery And Export Industries

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### Sectors We Cover

- Infrastructure Projects
- Jute & Jute Based Products
- Leather And Leather Based Projects
- Leisure & Entertainment Based Projects
- Livestock Farming Of Birds & Animals
- Minerals And Minerals
- Maize Processing (Wet Milling) & Maize Based Projects
- Medical Plastics, Disposables Plastic Syringe, Blood Bags
- Organic Farming, Neem Products Etc.
Sectors We Cover

- Paints, Pigments, Varnish & Lacquer
- Paper And Paper Board, Paper Recycling Projects
- Printing Inks
- Packaging Based Projects
- Perfumes, Cosmetics And Flavours
- Power Generation Based Projects & Renewable Energy Based Projects
- Pharmaceuticals And Drugs
- Plantations, Farming And Cultivations
- Plastic Film, Plastic Waste And Plastic Compounds
- Plastic, PVC, PET, HDPE, LDPE Etc.
Sectors We Cover

- Potato And Potato Based Projects
- Printing And Packaging
- Real Estate, Leisure And Hospitality
- Rubber And Rubber Products
- Soaps And Detergents
- Stationary Products
- Spices And Snacks Food
- Steel & Steel Products
- Textile Auxiliary And Chemicals
Sectors We Cover  Cont...

- Township & Residential Complex
- Textiles And Readymade Garments
- Waste Management & Recycling
- Wood & Wood Products
- Water Industry (Packaged Drinking Water & Mineral Water)
- Wire & Cable
Contact us

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