

# Investment Opportunity in Drugs & Pharmaceutical Projects

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A pharmaceutical drug (medicine or medication and officially medicinal product) is a drug used in health care. Such drugs aid the diagnosis, cure, treatment, or prevention of disease. Drug therapy (pharmacotherapy) is an important part of the medical field and relies on the science of pharmacology for continual advancement and on pharmacy for appropriate management. Pharmaceutical or drug or medicines are classified in various other groups besides their origin on the basis of pharmacological properties like mode of action and their pharmacological action or activity, such as by chemical properties, mode or route of administration, biological system affected, or therapeutic effects. An elaborate and widely used classification system is the Anatomical Therapeutic Chemical Classification System (ATC system). The Pharmaceutical industry in India is the world's third-largest in terms of volume. The total turnover of India's pharmaceuticals industry between 2008 and September 2009 was US\$21.04 billion. While the domestic market was worth US\$12.26 billion. The industry holds a market share of \$14 billion in the United States.

The pharmaceutical industry has been one of the fastest growing segments of the Indian manufacturing sector with an average annual growth rate of about 14%. It is projected to grow at an average annual rate exceeding 15% during 2007-2010 and is likely to reach the level of about USD 23 to 28 bn. This growth would be fuelled mainly by (i) access to low cost and high volume of generic drugs, (ii) mergers and acquisitions, (iv) industry consolidation, and (v) high growth of contract manufacturing. According to the Federation of Indian Chambers of Commerce and Industry (FICCI), another apex industry association, there are some 6,000 firms engaged in the sector. In terms of revenue generation, there are 100 big companies (including subsidiaries of MNCs) each with sales of at least USD 650,000, 200 medium size companies with sales ranging between USD 210,400 and USD 650,000; and 5700 small companies with sales of less than USD 210,400. India is the world's leading producer of generic drugs; its annual per capita consumption of pharmaceuticals has been among the lowest placed approximately at USD 4.50 per person as compared to USD 820 in the United States and USD 13 in China. Indian pharmaceutical companies now supply nearly all the country's demand for formulations and nearly 70% of its demand for bulk drugs. The Indian firms produce nearly 60,000 generic brands in 60 therapeutic categories and between 350 and 400 bulk drugs. India's drug market consists mainly of second and third generation drugs no longer subject to patent protection in the developed world.

The content of the book includes information about drugs and pharmaceuticals. The major contents of this book are project profiles of projects like Drugs and Pharmaceutical Industries in India, L-Ascorbic Acid, Pharmaceutical Unit, Liquid Glucose, Glucose Saline, IV Fluids, Paracetamol, Sorbitol, Aspirin and Ibuprofen.

Project profile contains information like properties, market survey, manufacturing, process flow diagram, raw material suppliers, suppliers of plant and machinery, plant economics, land and building, plant and machinery, fixed capital, working capital requirement/month, total working capital/month, total capital investment, turn over/annum, profit sales ratio, rate of return, breakeven point (B.E.P)

This book is very useful for new entrepreneurs, technical institutions, existing units and technocrats.

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