

Detailed Project Profiles On 9 Selected Chemical Industries (2nd Edition)

Author: Ajay Kr. Gupta

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Chemical industry is one of India's oldest industries, contributing significantly towards the industrial and economic growth of the nation. The Indian Chemical Industry forms the backbone of the industrial and agricultural development of India and provides building blocks for several downstream industries. Exports of chemicals from India have increased significantly and account for about 14% of total exports and 9% of total imports of the country. The Indian chemical industry comprises both small and large-scale units. Fiscal concessions granted to the small sector in the mid-eighties led to the establishment of a large number of units in the Small Scale Industries (SSI) sector. Against an overall installed capacity of around 10 mn tonnes, India produces nearly 8 mn tonne, of an assortment of chemicals. These exclude petrochemicals, but include chlor-alkalis, and dyes and dyestuffs. The chemicals industry is a highly versatile segment in the overall industrial economy of India. It has linkages with almost every other industrial activity, be it food processing, metallurgy, textiles, rubber or leather. There is, in fact, hardly any segment where chemicals do not feature. The major sub segments of this industry include alkali, organic chemicals, inorganic chemicals, pesticides, dyes & dyestuffs and specialty chemicals. The Indian chemical industry deals in products like fertilizers, bromine compounds, catalyst, sodium and sodium compounds, dye intermediates, inks and resins, phosphorous, paint chemicals, coatings, isobutyl, zinc sulphate, zinc chloride, water treatment chemicals, organic surfactants, pigment dispersions, industrial aerosols and many more.

The size of the Indian chemicals industry was estimated to be around USD 83 billion. It contributes around 5% to India's total GDP. The chemical industry also accounts for 13% share in total exports and 8% share in total imports of India. The sector contributes around 20% to national revenue by way of taxes and levies. In terms of sub-sectors, the Indian chemicals industry is composed of base chemicals that account for 53% share, pharmaceuticals contributing 24%, specialty chemicals 18%, biotech 3% and agro chemicals 2% share. The Indian chemicals industry has huge growth potential for the future. The industry has remained among the fastest growing sectors of the economy. The chemical industry remains concentrated in the western region, which claims a near 50% share of investment flows. In the western region, Gujarat makes the largest contribution to the chemical industry's production activity.

The content of the book includes information about chemical industry. the major contents of this book are project profiles of projects like copper sulphate from metallic scrap copper, hydrogen peroxide (anthraquinone autoxidation process), sodium chlorite (NaClO₂), zinc oxide (from zinc dross), poly aluminium chloride (PAC), calcium propionate, ethylene oxide, antimony potassium tartrate, humic acid from lignite coal.

Project profile contains information like introduction, properties, uses and applications, process, process flow diagram, plant economics, land and building, plant and machinery, fixed capital, working capital

requirement/month, total working capital/month, cost of project, 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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NIIR PROJECT CONSULTANCY SERVICES , 106-E, Kamla Nagar, New Delhi-110007, India. **Email:** npcs.india@gmail.com **Website:** NIIR.org

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