



Commercial Production of Chemicals.

Chemical Industry Projects.

**Organic, Inorganic and Industrial Chemicals Manufacturing
Plant.**

Profitable Manufacturing Business Ideas



Introduction

A chemical is any substance consisting of matter. This includes any liquid, solid, or gas. A chemical is any pure substance (an element) or any mixture (a solution, compound, or gas). Chemicals occur naturally and can be made artificially.

Chemicals is one of the most diversified in the world, covering more than 70,000 commercial products.



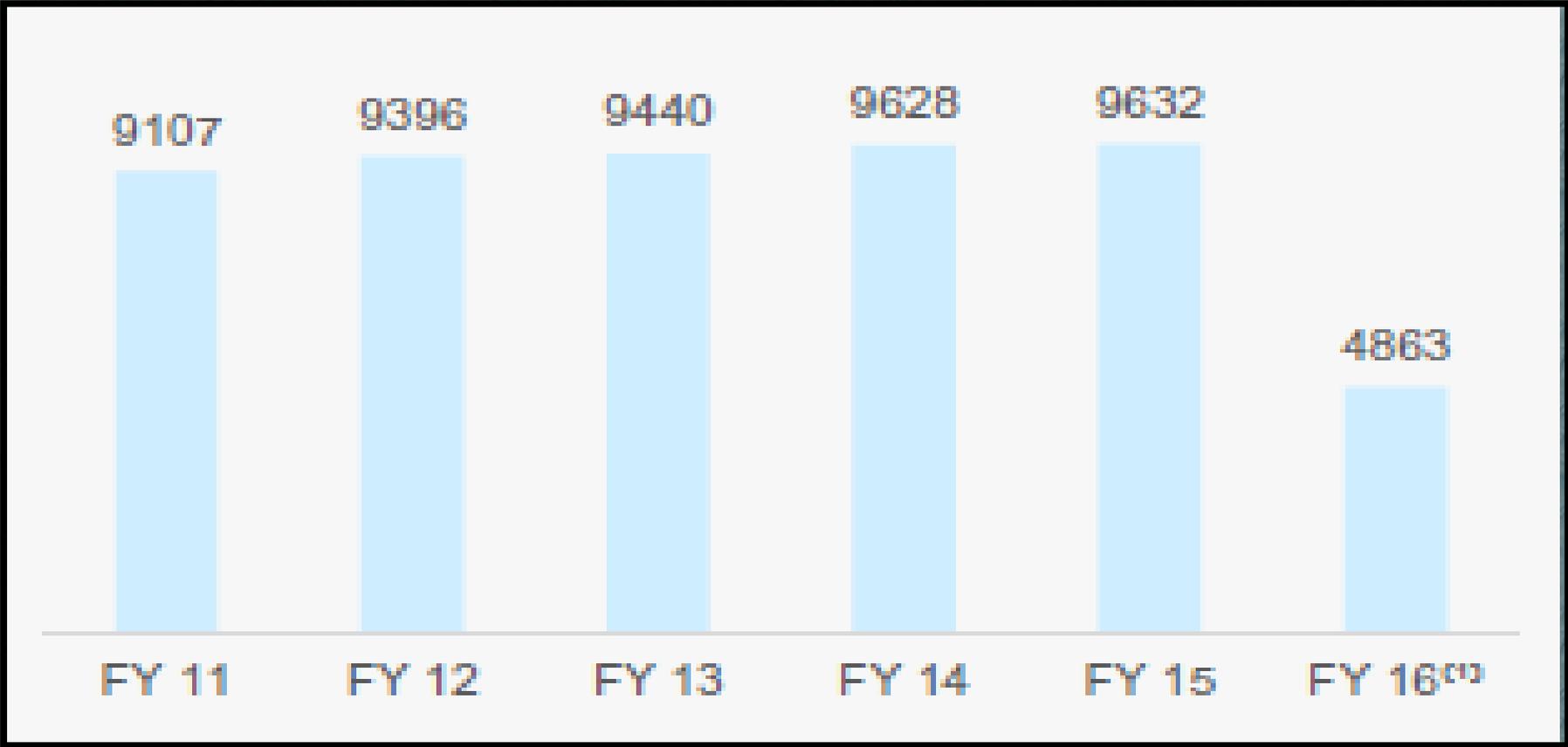
India is the third largest producer of chemicals in Asia. The market volume of the sector is estimated at US \$ 118 billion. In the financial year 2014-15, the Indian chemical industry has contributed 7% to GDP and 13% to the Indian industrial production. Increasing urbanization and per capita disposable income are resulting in a strong growth outlook for several key end-use industries. In the next five years, analysts expect a CAGR of 8%. Growth prospects remain positive. The market volume should increase to 173 billion US \$ by 2018.



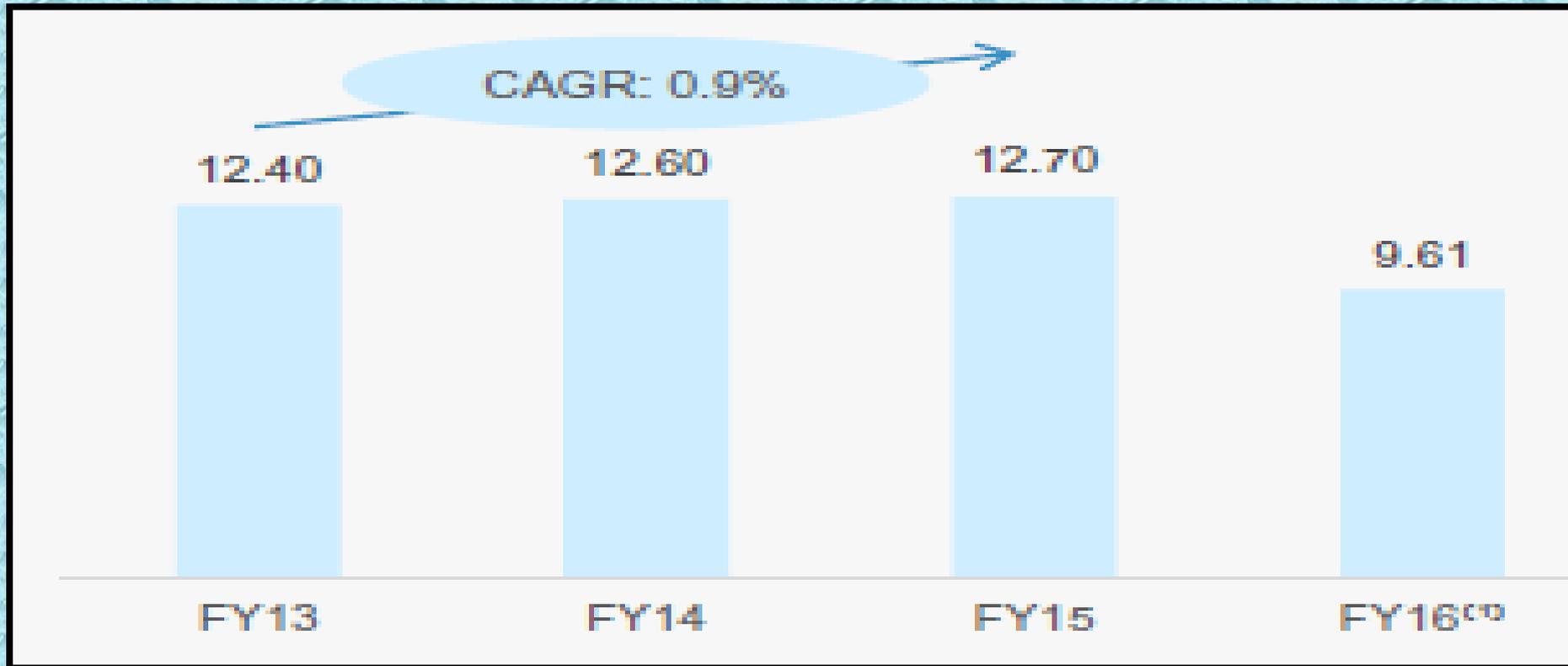
Indian chemical and petrochemical industry is one of the most diversified sectors covering more than 80,000 commercial products which are being exported to countries like Middle East, Korea, Japan and Singapore. With Asia's increasing influences as a key consumption region, India emerges as one of the focus destinations for chemical companies worldwide.



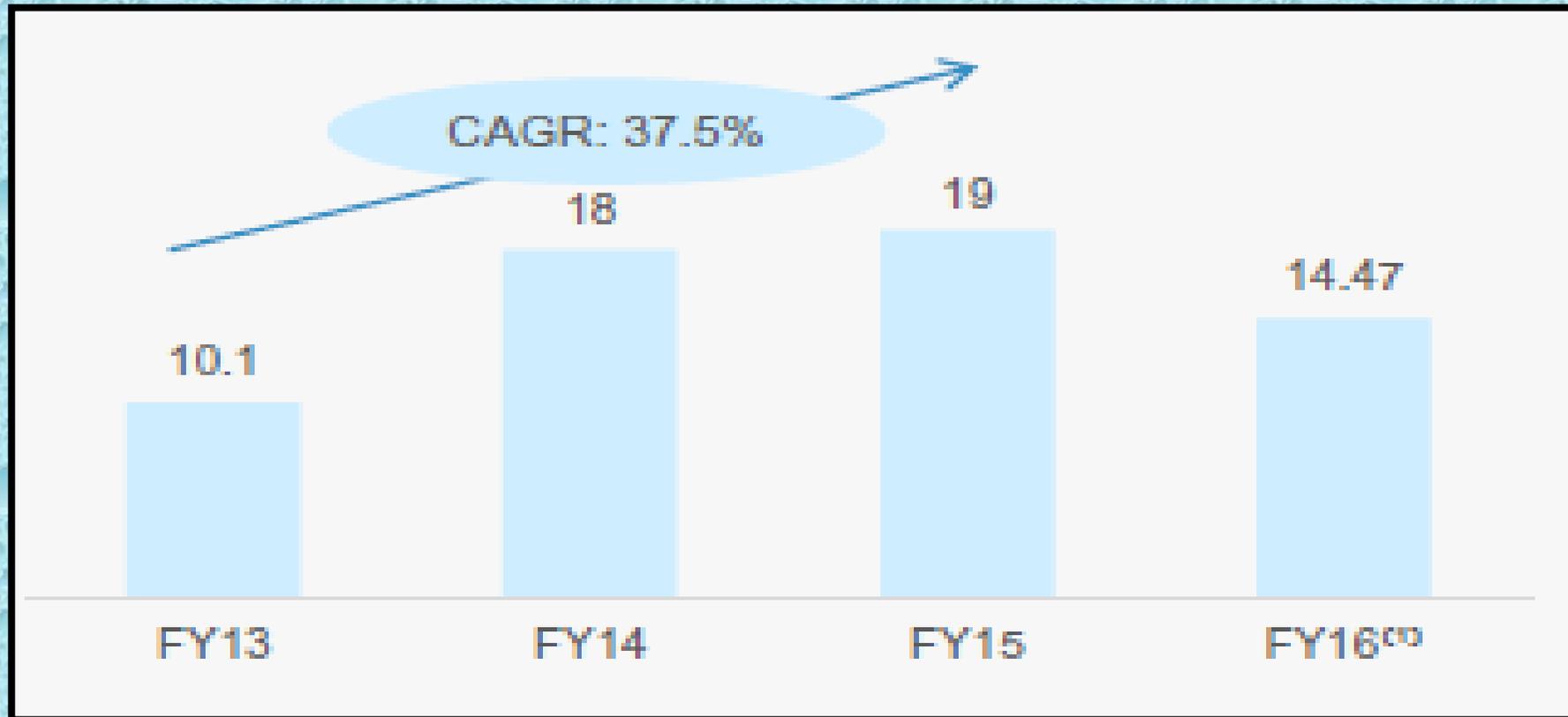
Total Production of Major Chemicals (000' MT)



Chemicals Exports of India (USD Billion)



India's Chemical Imports (USD Billion)





Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Required Project

Commercial Production of Chemicals. Chemical Industry Projects. Organic, Inorganic and Industrial Chemicals Manufacturing Plant. Profitable Manufacturing Business Ideas

Here are few Projects for Startup:

❖ CAUSTIC SODA

Caustic Soda is also known as Sodium Hydroxide (NaOH). It is a important industrial chemical product produced in both liquid & solid form. It is deliquescent, absorbing water vapour and carbon dioxide from the air. It is extremely corrosive & should be handled carefully.....[Read more](#)



❖ CALCIUM CHLORIDE

Calcium chloride, CaCl_2 , is a common salt. It behaves as a typical ionic halide, and is solid at room temperature. It has several common applications such as brine for refrigeration plants, ice and dust control on roads, and in concrete.....[Read more](#)



❖ **BARIUM CARBONATE FROM BARIUM SULPHATE**

Natural barium carbonate was formerly mined commercially in England. Precipitated barium carbonate is the most widely used barium chemicals with the exception of natural barite. It is used in the bricks, ceramic, oil well drilling, photography, glass and chemical industries.....[Read more](#)



❖ **ALUM (FERRIC & NON-FERRIC)**

In commercial practice, Alum means aluminium sulphate. Alum is used in water treatment as mordant in dyeing. In India alum and aluminium sulphate is manufactured by various firms, both in corporate sector and as small scale units.....[Read more](#)





❖ DIARYL DISULPHIDE (DADS)

Diaryl Disulphide (DADS) is a organic polymer. It is mainly used as a rubber reclaiming and recycling agent in chemical industries. It is used in the petroleum industry in sludge lubrication. It increases the friction reduction properties of lubricating oil, engine oil, diesels etc. it is used as antioxidants in silicone oils, extreme pressure lube oils, rust corrosion inhibitors.....[Read more](#)





❖ **MICROCRYSTALLINE CELLULOSE POWDER**

Cellulose is the main polysaccharide in living plants and used in the chemical industries in the form known as chemical cellulose for preparation of fibers and plastics. The polysaccharide is made up of units of glucose. It has no nutritional value for a human, because the body lacks the necessary enzymes to digest cellulose.....[Read more](#)





❖ P-TOLUENE SULFONIC ACID

Sulfonic acid is an organic compound containing the functional group RSO_2OH . It is basically acidic in nature that's why existing in salt form & because of this nature it is quite soluble in water.....[Read more](#)





❖ SORBITAN MONOOLEATE

A mixture of the partial esters of sorbitol and its mono- and dianhydrides with edible oleic acid. The constituent in greatest abundance is 1,4-sorbitan monooleate, with lesser abundance of isosorbide monooleate, sorbitan dioleate and sorbitan trioleate.....[Read more](#)



❖ SULFURIC ACID

It is a strong acid, is an oily, viscous water white non-volatile liquid. It absorbs water from the atmosphere. The acid has a corrosive action on the skin, even a drop on the skin can cause burn...[Read more](#)



❖ ALUMINIUM FLUORIDE

Aluminum fluoride is the inorganic compound with the formula AlF_3 . It can be prepared by treating aluminum hydroxide or aluminum metal with HF. As a solid, its structure resembles that of rhenium trioxide, ReO_3 , consisting of distorted AlF_6 octahedra.....[Read more](#)



❖ POTASSIUM IODATE

Potassium iodate is the major chemical used for iodization of edible common salt. It is also used as feed additives and as maturing agents. Besides this it is used as dough conditioner in bread manufacturing.....[Read more](#)





❖ SODIUM CARBOXYMETHYL CELLULOSE

Synonym(s): cellulose gum , CMC , Na CMC , Sodium cellulose glycolate , Sodium CMC

Functional Classes: Bulking agent (bulking agent) , Emulsifier (emulsifier) , Stabilizer ,

Thickener Carboxy Methyl Cellulose a chemical of demonstrated usefulness in score of application and suggested applicability in hundreds, nevertheless require several decades to attain genuine industrial status.....[Read more](#)



❖ ASCORBIC ACID

Ascorbic acid is an organic acid with antioxidant properties. Its appearance is white to light yellow crystals or powder. It is water soluble. The L-enantiomer of ascorbic acid is commonly known as vitamin C.....[Read more](#)





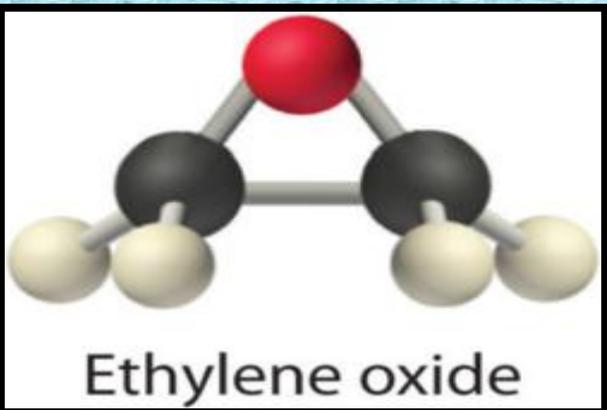
❖ PRECIPITATED SILICA

Precipitated Silica is composed of aggregates of ultimate particles of colloidal size that have not become linked in massive gel network during the preparation process. Precipitated silica prepared by the action of acid on a solution of soluble silicate is of fine controlled particle size & porous in nature.....[Read more](#)



❖ ETHYLENE OXIDE

It is a stable, hazardous compound, which is necessary to be handled very carefully during use. It is used to make a acrilonitrile & acrylic plastics, ammonia, ethanol amine (used as basics for weed killers) detergents & cosmetics, ethylene glycol (antifreeze) and other glycols, which are used in the cosmetics, pharmaceuticals and other industries.....[Read more](#)





❖ **HYDROGEN PEROXIDE**

Hydrogen peroxide (H₂O₂) is a very pale blue liquid, slightly more viscous than water, which appears colorless in dilute solution. It is a weak acid, has strong oxidizing properties, and is a powerful bleaching agent. It is used as a disinfectant, antiseptic, oxidizer, and in rocketry as a propellant.....[Read more](#)



❖ GLYCEROL MONOSTEARATE

Glycerine Monostearate is one of the most important fatty acid esters which is widely used in the manufacture of soap, detergent, cosmetic, paint, textile and many other industries.....[Read more](#)





❖ CAUSTIC SODA WITH RUTILE

NaOH also known as lye and caustic soda, is a caustic metallic base. Sodium hydroxide is available in various forms, but pure sodium hydroxide is most typically available in the form of a white color solid or either in the form of pellets, flakes, granules or as a 50% saturated solution.....[Read more](#)





❖ ZINC OXIDE FROM ZINC DROSS

This is by far the most important zinc compound. Zinc oxide is valuable both for direct application and for production of other zinc compounds. It has very good market and it is a growth oriented product.....[Read more](#)



❖ SODIUM SILICATE

Sodium Silicate is an inorganic chemical that has versatile properties, which cannot be obtained with others alkaline salts. Sodium silicates also known as water glass or liquid glass. Sodium silicate is stable in neutral and alkaline solution.....[Read more](#)



❖ OXALIC ACID FROM MOLASSES

Oxalic acid is the simplest of dicarboxylic acid. Oxalic acid occurs naturally in many plants (wood, sorrel, shubarb and spinach and can be made by alkali extraction of raw dust....[Read more](#)





❖ **AMMONIUM CHLORIDE (PURE GRADE)**

Ammonium chloride (NH_4Cl) (also Sal Ammoniac, salmiac, nushadir salt, zalmiak, sal armagnac, sal armoniac, salmiakki, salmiak and salt armoniack) is, in its pure form, a clear white water-soluble crystalline salt of ammonia.....[Read more](#)





❖ ACETONITRILE

Acetonitrile is a chemical compound with formula CH_3CN . This colourless liquid is the simplest organic nitrile. This liquid has an odour of aromatic, ether-like. The toxicity of acetonitrile is relatively low, compared to hydrogen cyanide or acrylonitrile.....[Read more](#)

❖ **MANGANESE OXIDE (FERRITE GRADE)**

Manganese (Mn), is a chemical element, one of the silvery-white, hard, brittle metals of Group VII b of the periodic table. It was recognized as an element (1774) by the Swedish chemist Carl Wilhelm Scheele while working with the mineral pyrolusite and was isolated the same year by his associate, Johan Gottlieb Gahn.....[Read more](#)



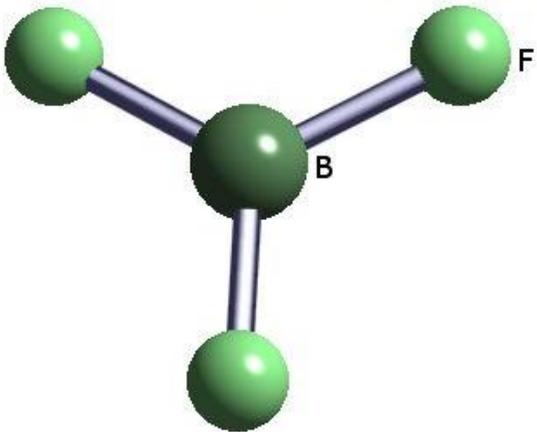


❖ 2-PROPYL HEPTANOL

Propylheptanol is a mixture of isomeric decyl alcohols: 2-propylheptanol, 4-methyl-2-propylhexanol and 5-methyl-2-propylhexanol. It is a clear and colorless, high boiling liquid with a mild characteristic odor.....[Read more](#)

❖ BORON TRIFLUORIDE

Boron trifluoride is the chemical compound with the formula BF_3 . This pungent colourless toxic gas forms white fumes in moist air. Boron Trifluoride (BF_3) is one of the strongest Lewis acids (or electron pair acceptors) known and, therefore, finds broad application as an acidic catalyst for organic synthesis reactions.....[Read more](#)





❖ **RECTIFIED SPIRIT**

Denatured spirit is the product of manufacture from ethyl alcohol or ethanol. The denatured alcohol are either completely denatured alcohol or specially denatured alcohol. Country liquor has been made from rectified spirit and is available at after double price.....[Read more](#)





❖ **CALCIUM PROPIONATE**

Calcium propionate is a food preservative which largely used in the bread industry as mould inhibitor. It is manufactured with other food preservatives of food additives. It is manufactured by using line and propionic acid.....[Read more](#)





❖ SODIUM AZIDE

It is a colourless crystalline product, which is soluble in water in liquid ammonia and highly toxic. It is manufactured by using Sodium Ammonia and Sodium Nitrate. It is used as air bag inflation, preservative in diagnostic medicines, intermediate in explosive manufacture.....[Read more](#)





❖ COBALT OCTOATE

Cobalt Octoate is a very important compound having chemical formulas as such. $\text{CH}_3 | (\text{CH}_2 - \text{CH}_2 - \text{CH}_2 - \text{CH}_2 - \text{CH} - \text{COOH})_2 \text{CO}$ The I.U.P.A.C. (International Union of Pure & Applied Chemistry) of the cobalt octoate is as under.....[Read more](#)





Tags

Chemical Industry, Production of Chemicals, Chemical Production, Chemical Production Process, Chemical Manufacturing, Chemical Manufacturing plant, Chemical Manufacturing Process, Chemical Manufacturing industry, How to start chemical industry, Highly Profitable Chemical Business Ideas, Chemical Business ideas & Opportunities, Chemical Manufacturing Business, Industrial Chemicals Manufacturing, How to Start Chemical Manufacturing Business, 20 Chemical Manufacturing Business Ideas for 2018, Caustic Soda Production and Manufacturing Process, Caustic Soda Production, Manufacture of Caustic Soda, Production Process of Caustic Soda, Caustic Soda Production Process, Caustic Soda Manufacturing Process, Calcium Chloride Plant, Calcium Chloride Production, Calcium Chloride Manufacturing Process, Manufacturing of Calcium Chloride, Production of Barium Carbonate from Barium Sulfate, Ferric & Non-Ferric Alum Plant, Diaryl Disulphide (Dads), Production of Microcrystalline Cellulose Powder, Microcrystalline Cellulose Powder Plant, Process for Preparing Microcrystalline Cellulose Powder, Production of P-Toluenesulfonic Acid, Manufacture of P-Toluene Sulfonic Acid,



Sorbitan Monooleate, Manufacture of Sulfuric Acid, Production of Sulfuric Acid, Production of Aluminium Fluoride, Manufacturing of Aluminium Fluoride, Preparing Potassium Iodate, Manufacturing Process of Sodium Carboxymethylcellulose, Ascorbic Acid, Precipitated Silica Production, Process for Production of Precipitated Silica, Precipitated Silica Factory, Ethylene Oxide (EO) Production, Manufacturing of Ethylene Oxide, Manufacture of Hydrogen Peroxide, Production of Hydrogen Peroxide, Hydrogen Peroxide Manufacturing Plant, Preparation of Glycerol Monostearate, Caustic Soda with Rutile, Preparation of Zinc Oxide, Manufacturing of Zinc Oxide from Zinc Dross, Production of Sodium Silicate, Sodium Silicate Production, Preparation of Oxalic Acid from Molasses, Ammonium Chloride (Pure Grade), Manufacture of Hydrogen Peroxide, Production of Hydrogen Peroxide, Production of Acetonitrile, Manganese Oxide (Ferrite Grade), 2-Propylheptanol (2-Ph) Production, Production of Boron Trifluoride, Rectified Spirit, Manufacturing Business Ideas, Top Manufacturing Business Ideas, New Manufacturing Business Ideas with Small & Medium Investment, Profitable Small Business Manufacturing Ideas, Business Ideas in India, Which Industry is Best to Start in India Now?



**For more Projects and further details,
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Major Queries/Questions Answered in Our Report?

- 1. How has the industry performed so far and how will it perform in the coming years?**
- 2. What is the Project Feasibility of the Plant?**
- 3. What are the requirements of Working Capital for setting up the plant?**
- 4. What is the structure of the industry and who are the key/major players?**



- 5. What is the total project cost for setting up the plant?**
- 6. What are the operating costs for setting up the plant?**
- 7. What are the machinery and equipment requirements for setting up the plant?**
- 8. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up the plant?**
- 9. What are the requirements of raw material for setting up the plant?**



- 10. Who are the Suppliers and Manufacturers of Raw materials for setting up the plant?**
- 11. What is the Manufacturing Process of the plant?**
- 12. What is the total size of land required for setting up the plant?**
- 13. What will be the income and expenditures for the plant?**
- 14. What are the Projected Balance Sheets of the plant?**



- 15. What are the requirement of utilities and overheads for setting up the plant?**
- 16. What is the Built up Area Requirement and cost for setting up the plant?**
- 17. What are the Personnel (Manpower) Requirements for setting up the plant?**
- 18. What are Statistics of Import & Export for the Industry?**
- 19. What is the time required to break-even?**



- 20. What is the Break-Even Analysis of the plant?**
- 21. What are the Project financials of the plant?**
- 22. What are the Profitability Ratios of the plant?**
- 23. What is the Sensitivity Analysis-Price/Volume of the plant?**
- 24. What are the Projected Pay-Back Period and IRR of the plant?**
- 25. What is the Process Flow Sheet Diagram of the plant?**
- 26. What are the Market Opportunities for setting up the plant?**
- 27. What is the Market Study and Assessment for setting up the plant?**
- 28. What is the Plant Layout for setting up the plant?**



Reasons for Buying Our Report:

- The 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**
- The report provides vital information on the product like it's characteristics and segmentation**
- The report helps you market and place the product correctly by identifying the target customer group of the product**



- **The 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**



Free Instant Online Project Identification and Selection Service

Our 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.....[Read more](#)



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▪ Detailed Project Reports

NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the 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**

The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,



Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

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- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*



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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*



Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation



Contact us

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