

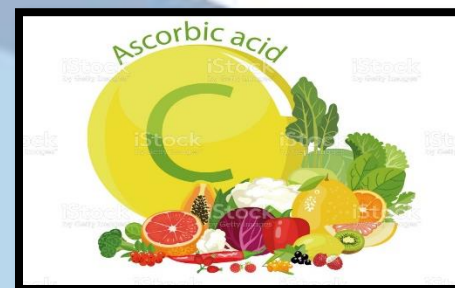
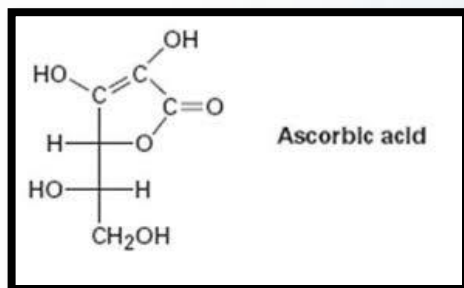
Manufacturing of

Ascorbic Acid.

Opportunities for Entrepreneurs
to Start

Own Business in Vitamin C

Industry.





Introduction

Ascorbic Acid could be a natural water-soluble vitamin (Vitamin C). Ascorbic acid could be a potent reducing and antioxidant agent that functions in fighting bacterial infections, in detoxifying reactions, and within the formation of scleroprotein in fibrous tissue, teeth, bones, connective tissue, skin, and capillaries. Found in citrus and other fruits, and in vegetables, vitamin c cannot be produced or hold on by humans and should be obtained within the diet.

Project Reports:- Project Reports & Profiles

Ascorbic Acid (vitamin c) Injection is a sterile solution. Every ml contains: ascorbic acid (vitamin c) 250 mg and Edetate Disodium 0.025% in Water for Injection sq. Prepared with the help of Sodium bicarbonate. Sodium hydroxide and/or hydrochloric acid could are used to adjust ph.

Uses

Ascorbic acid ([vitamin C](#)) is used to prevent or treat low levels of vitamin c in folks that don't get enough of the vitamin from their diets. Most of the people who eat a normal diet do not want additional ascorbic acid. Low levels of vitamin c may end up in a condition called scurvy. Scurvy could cause symptoms similar to rash, muscle weakness, joint pain, tiredness, or tooth loss.

Vitamin C plays an important role within the body. It's needed to take care of the health of skin, cartilage, teeth, bone, and blood vessels. It is also used to protect your body's cells from damage. It's referred to as an antioxidant.

Ascorbic Acid (vitamin C) is used to forestall or treat low levels of vitamin c in people that don't get enough of the vitamin from their diets. Most people who eat a normal diet do not want extra ascorbic acid.

Low levels of vitamin c may end up in a condition called scurvy. Scurvy could cause symptoms similar to rash, muscle weakness, joint pain, tiredness, or tooth loss. Ascorbic Acid might also be used with different vitamins for a certain status (macular degeneration).

Ascorbic Acid is on the market under the following different whole and different names: Cenolate, and vitamin c.

It is used to treat or prevent vitamin C deficiency.

It is used to treat scurvy.

Tablets, chewable tablets, soluble tablets

Dietary Supplement

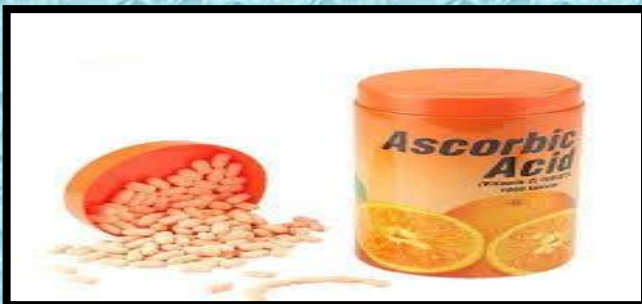
Urinary Acidification

Scurvy

Related Projects:- [Chemicals \(Organic, Inorganic, Industrial\) Projects](#)

Significance

Vitamin C is an essential nutrient for certain animals as well as humans. The term vitamin c encompasses several vitamins that have vitamin c activity in animals. Ascorbate salts such as sodium ascorbate and calcium ascorbate are utilized in some dietary supplements. These release ascorbate upon digestion. Ascorbate and ascorbic acid are both naturally gift within the body, since the forms interconvert per ph. Oxidized forms of the molecule similar to dehydroascorbic acid are converted back to ascorbic acid by reducing agents.



Vitamin C functions as a cofactor in many enzymatic reactions in animals (and humans) that mediate a variety of essential biological functions, together with wound healing and albuminoidal synthesis. In humans, vitamin c deficiency leads to impaired collagen synthesis, contributing to the lot of severe symptoms of scurvy. Another biochemical role of vitamin c is to act as an antioxidant (a reducing agent) by donating electrons to various enzymatic and non-enzymatic reactions. Doing so converts vitamin c to an oxidized state - either as semi dehydroascorbic acid or dehydroascorbic acid. These compounds are often restored to a reduced state by glutathione and NADPH-dependent enzymatic mechanisms.

In plants, vitamin c may be a substrate for ascorbate peroxidase. This enzyme utilizes ascorbate to neutralize excess hydrogen peroxide (H_2O_2) by converting it to water (H_2O) and oxygen

Sources of Ascorbic acid

Ascorbic acid is widely distributed in contemporary fruits and vegetables. It's present in fruits like orange, lemons, grapefruit, watermelon, papaya, strawberries, cantaloupe, mango, pineapple, raspberries and cherries. It's conjointly found in inexperienced leafy vegetables, tomatoes, broccoli, green and red peppers, cauliflower and cabbage. Most of the plants and animals synthesize ascorbic acid from D-glucose or D-galactose. A majority of animals turn out relatively high levels of ascorbic acid from glucose in liver but, guinea pigs, fruit eating bats, apes and humans cannot synthesize ascorbic acid to the absence of the protein L-gulonolactone oxidase. Hence, in humans ascorbic acid has got to be supplemented through food and or as tablets.

Market Research Report- Market Research Reports

Ascorbic acid could be a labile molecule, it may be lost from foods during cooking/processing even though it has the ability to preserve foods by virtue of its reducing property. Synthetic ascorbic acid is on the market during a wide variety of supplements viz., tablets, capsules, chewable tablets, crystalline powder, effervescent tablets and liquid form. Buffered ascorbic acid and esterified variety of ascorbic acid as ascorbic palmitate is additionally on the market commercially. Both natural and synthetic ascorbic acid are chemically identical and there are not any known differences in their biological activities or bio-availability.



Market Outlook

The Ascorbic Acid market is projected to grow at a rate of 5.2% from USD 1.04 Billion in 2019 to reach USD 1.63 Billion by 2027. Increasing health awareness, wide application base and rising demand from the [pharmaceutical](#) and food & [beverages](#) industry are the key factors that have paved way for the growth of the global Ascorbic Acid market. The paradigm shift from clean-label food and beverage products to dietary supplements has led to the emergence of many manufacturers offering clean-labeled vitamin C supplements to consumers seeking antioxidant support for immune health through supplements. As a result of this, the demand for ascorbic acid has increased in the [pharmaceutical](#) and [healthcare](#) industry. Two grades of ascorbic acid are available in the market, viz. food & pharmaceutical and industrial. On the basis of application, the global ascorbic acid market has been segmented into six segments – food & beverage, pharmaceutical, [chemical](#), personal care, [agriculture](#) and others.

Superior Functional Attributes of Ascorbic Acid to Propel Market Growth

The global ascorbic acid market is expected to witness profitable growth within the coming back years, because of the significant demand from various end-use industries like chemical, food & beverage, cosmetics, agriculture, pharmaceutical, and others. Shifting preferences towards healthy foods, as well as nutrition supplements, are contributing to the growing prominence of vitamin C/ascorbic acid in various applications, such as in skin products, healing injuries and hindrance of infections and to improve the absorption of iron from food, reduce the chance of chronic diseases, enhance immune health, and control blood pressure.

Related Projects: - Chemicals, Biotechnology, Enzymes, Bio Fertilizer, Vermiculture, Vermicompost Chemical & Allied Industries and Alcohol Projects

Additionally, ascorbic acid is required for the growth, development, and repair of all body tissues and to carry out body functions such as the creation of collagen and maintenance of cartilages, bones and teeth. As per health expert recommendations, ascorbic acid is considered as one of the safest and most beneficial nutrients, which in turn is expected to drive the world ascorbic acid market with a healthy growth rate during the forecast period.



Global Ascorbic Acid Market: Key Trends

The market is expected to grow as growing vitamin deficiency concerns, lack of healthy natural agricultural produce, changing lifestyle is expected to drive demand for the worldwide Ascorbic acid market. The market is additionally expected to receive a lift from cost-effective manufacturing in China and Asia-Pacific. Demand for ascorbic acid is additionally growing as a substitute for low-calorie sweetener.

Ascorbic acid has been traditionally involving higher fertility in various cultures round the world. Growing analysis proves that there is a correlation between supplement intakes and higher sperm count. Ascorbic acid also can emerge as an answer to infertility within the close to future.



This can be a significant opportunity for market players as ascorbic acid supplements will help smokers and different unhealthy individual keep healthy at very little further value in the near future.

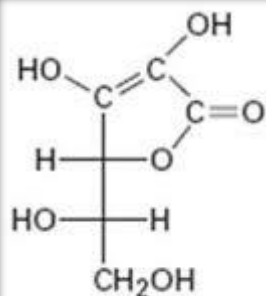
Ascorbic acid market is predicted to grow, because the acid is increasing being used as an artificial additive. Newly introduced EU regulations and FDA approval for higher quantities in diets is expected to become a significant boost for the market.

Related Books: - [Chemical Technology \(Organic, Inorganic, Industrial\), Fine Chemicals](#)

The growing demand for skincare products is also expected to drive the worldwide ascorbic acid market. Concerns over global warming, increased risks of skin cancers and different ailment is expected to drive various segments in [cosmetic](#) segment.

Ascorbic acids and its salts facilitate hamper skin deterioration. Its positive impact on aging and wrinkles is expected to drive the market.

The factors that are taking part in a major role within the growth of vitamin c (Ascorbic Acid) Market are rising demand for potassium, Ca and Na salts of ascorbic acid as an antioxidant food additive. On the opposite hand, price fluctuations and uncertain raw material supply are the factors restraining overall market growth.



Ascorbic acid

Key dynamics

Ascorbic acid finds various applications within the food as well as pharmaceutical sectors. Within the food and beverage business, ascorbic acid is used as a protein supply in various food items. The growing demand for food and beverage products from emerging economies, similar to India and China, is expected to drive the concerned market throughout the forecast period. This growth in population is anticipated to make a large demand for food and beverage products, which, in turn, can drive the worldwide ascorbic acid market throughout the forecast period. The intake of vitamin c has doubled within the previous few decades because of growing awareness about health edges of vitamin c. ascorbic acid could be a smart source of vitamin c. As a results of these factors, the worldwide ascorbic acid market is expected to witness lucrative growth throughout the forecast period.

[Scope of the Global Vitamin C \(Ascorbic Acid\) Market](#)

The biggest consumer of this food additive is food and beverage industry, which counted about 60%; pharmaceutical industry count about 30% of the total demand.

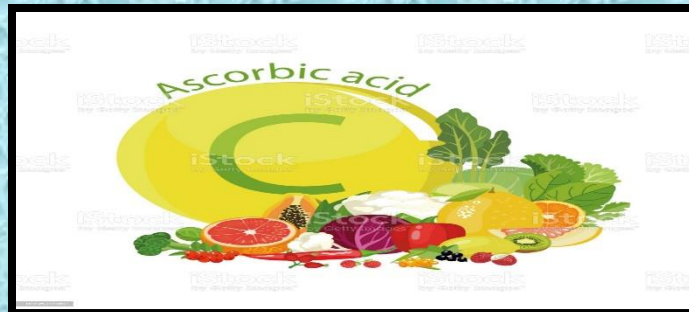
The price of ascorbic acid has increased steadily for several reasons. Factories in China that produce ascorbic acid are seriously considering price increases. Prices began to increase substantially. Ascorbic acid factories are underfunded due to the low price in recent years, resulting in a strong desire to raise prices.

the Vitamin C (Ascorbic Acid) in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This categorizes the market based on manufacturers, regions, type and application.

Related Videos:- [Chemicals \(Organic, Inorganic, Industrial\)](#)

[Key Players in the Global Ascorbic Acid Market](#)

The global ascorbic acid market some of the major players in the ascorbic acid market across the world, such as Sigma-Aldrich Corporation (Merck), Koninklijke DSM N.V., Northeast Pharmaceutical Group Co., Ltd., CSPC Pharmaceutical Group Limited, MUBY CHEMICALS, Shandong Luwei Pharmaceutical, North China Pharmaceutical Co. Ltd, Glanbia Nutritionals China (Suzhou) Co., Ltd, LabChem Inc., and China BBKA Group Corporation, Merck KGaA, Koninklijke DSM N.V., Northeast Pharmaceutical Group, Shandong Luwei Pharmaceutical, Foodchem International Corporation among others.



Major Queries/Questions Answered in the Report?

1. What is Ascorbic Acid (Vitamin C) Manufacturing industry ?
2. How has the Ascorbic Acid (Vitamin C) Manufacturing industry performed so far and how will it perform in the coming years ?
3. What is the Project Feasibility of Ascorbic Acid (Vitamin C) Manufacturing Plant ?
4. What are the requirements of Working Capital for setting up Ascorbic Acid (Vitamin C) Manufacturing plant ?

- 5. What is the structure of the Ascorbic Acid (Vitamin C) Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Ascorbic Acid (Vitamin C) Manufacturing Business?**
- 7. What are the operating costs for setting up Ascorbic Acid (Vitamin C) Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Ascorbic Acid (Vitamin C) Manufacturing plant ?**

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Ascorbic Acid (Vitamin C) Manufacturing plant ?

10. What are the requirements of raw material for setting up Ascorbic Acid (Vitamin C) Manufacturing plant ?

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- 24. What is the Sensitivity Analysis-Price/Volume of Ascorbic Acid (Vitamin C) Manufacturing plant?**
- 25. What are the Projected Pay-Back Period and IRR of Ascorbic Acid (Vitamin C) Manufacturing plant?**
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➤ **Along with financial details as under:**

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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 Ascorbic Acid (Vitamin C) .” provides an insight into Ascorbic Acid (Vitamin C) market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Ascorbic Acid (Vitamin C) project. The report assesses the market sizing and growth of the Indian Ascorbic Acid (Vitamin C) 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 Ascorbic Acid (Vitamin C) sector in India along with its business prospects. Through this report we have identified Ascorbic Acid (Vitamin C) project as a lucrative investment avenue.

Tags

#ascorbicacid #pharmaceutical #vitaminc #DetailedProjectReport
#businessconsultant #BusinessPlan #feasibilityReport #NPCS
#industrialproject #entrepreneurindia #startupbusiness #Chemicalindustry
#SodiumAscorbate #startupideas

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(Instant Online Project Identification and Selection)

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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.

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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.

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 India along with its business prospects.....[Read more](#)



Contact us

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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*

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*

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

Sectors We Cover *Conti...*

- 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 *Cont...*

- 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 *Cont...*

- 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

Sectors We Cover

Cont...

- 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 *Cont...*

- 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 *Cont...*

- 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



MARKET RESEARCH REPORTS

Objective

- ⌘ To get a detailed scenario of the industry along with its structure and classification
- ⌘ To provide a comprehensive analysis of the industry by covering aspects like:
 - ⌘ Growth drivers of the industry
 - ⌘ Latest market trends
 - ⌘ Insights on regulatory framework
 - ⌘ SWOT Analysis
 - ⌘ Demand-Supply Situation
 - ⌘ Foreign Trade
 - ⌘ Porters 5 Forces Analysis

Objective

- ⌘ To provide forecasts of key parameters which helps to anticipate the industry performance
- ⌘ To help chart growth trajectory of a business by detailing the factors that affect the industry growth
- ⌘ To help an entrepreneur/manager in keeping abreast with the changes in the industry
- ⌘ To evaluate the competitive landscape of the industry by detailing:
 - ⌘ Key players with their market shares
 - ⌘ Financial comparison of present players

Clientele

- ∞Venturist/Capitalists
- ∞Entrepreneur/Companies
- ∞Industry Researchers
- ∞Investment Funds
- ∞Foreign Investors, NRI's
- ∞Project Consultants/Chartered Accountants
- ∞Banks
- ∞Corporates

[Click here for list](#)

Data Sources



Scope & Coverage



Our Team

- ⌘ Our research team comprises of experts from various financial fields:
- ⌘ MBA's
- ⌘ Industry Researchers
- ⌘ Financial Planners
- ⌘ Research veterans with decades of experience

Structure of the Report

- 1. Overview
- 2. Market Analysis
 - 2.1 Growth Drivers
 - 2.2 Emerging Trends in the Industry
 - 2.3 Regulatory Framework
 - 2.4 SWOT Analysis
 - 2.5 Herfindahl–Hirschman Index (HHI)
- 3. Market Forecasts
- 4. Key Players

Structure of the Report *Cont*

- ⌘5. Key Financials and Analysis
 - ⌘5.1 Contact Information
 - ⌘5.2 Key Financials
 - ⌘5.3 Financial comparison
- ⌘6. Industry Size & Outlook

Take a look at *NIIR PROJECT CONSULTANCY SERVICES* on
#Street View

<https://goo.gl/VstWkd>

Contact us

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THANK YOU

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