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EPOXY RESIN



- 1. Chilli Powder, Chilli Flakes & Chilli Oil
- 2. Cenosphere Processing from Fly Ash
 - **3. Mineral Wool Ceiling Tiles.**
 - 4. Epoxy Resin (Liquid)
 - **5. Industrial Park**

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INTRODUCTION

Starting your own company can be a daunting task. However, one of the finest emotions in the world is not having to follow the everyday and repetitive 9-5 office schedule any longer and being able to make all of your own decisions. However, due to a lack of cash, not everyone is able to realize their ambition of owning a business. But no longer! You can now start your own business and convert your passion into a vocation with various low-investment business ideas that also offer good earnings.



Coming up with a business idea and starting a business can seem overwhelming and complicated. There are so many things you have to consider from coming up with an excellent idea to registering a company, all the way to business planning, fundraising and much more. Running a business can have a powerful impact on your life and the lives of those around you. But before you can run a business, you need to start a business. Deciding to start your own business can seem like a daunting prospect if you've never done it before. Luckily, plenty of other entrepreneurs have, and you can benefit from the wisdom they gleaned from their successes—and their mistakes.





Chili powder (also called as spelled chile, chilli, or powdered chilli) is the dried, pulverised fruit of one or more chilli pepper varietals, with or without other spices (where it is also sometimes known as chilli powder blend or chilli seasoning mix). It's used as a spice (or spice combination) in cuisine to provide pungency (piquancy) and flavour. The sort of chilli pepper used to make chilli powder is occasionally used to identify it. The chilli peppers used to make chilli powder include Aleppo, ancho, cayenne, chipotle, chile de arbol, and jalapeo, New Mexico, pasilla, and piri piri.



Crushed red pepper, often known as red pepper flakes, is a condiment or spice made from dried red chilli peppers that have been crushed rather than ground. The most common peppers used in this condiment are cayenne-type peppers, while commercial makers may utilise a variety of cultivars with Scoville units ranging from 30,000 to 50,000. Capsicum peppers are a variety of crushed red peppers with a fiery intensity. Red pepper chilies, which start off green before becoming orange-red to a deep dark red colour, are best cultivated in the summer months, when the temperature is between 70 and 84 degrees Fahrenheit and the weather is sunny.

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Chili oil is a spicy condiment created from vegetable oil infused with chilli peppers. Different types of oil and hot peppers are used, as well as additional ingredients. It's popular in Chinese cuisine, as well as East and Southeast Asian cuisines. It's very popular in western Chinese cuisines like Sichuan, Hunan, Guizhou, and Shaanxi, where it's used as a cooked ingredient as well as a condiment. It's occasionally used as a meat and dim sum dip. It's also used in jjamppong, a Korean Chinese noodle soup dish.



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Lucrative Business for New Startup

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Epoxy resin is a reactive prepolymer and polymer that contains epoxide groups. These resins react either with themselves or with a variety of co-reactants such as amines, phenols, and thiols in the presence of catalysts. Epoxy resin is used in a wide range of industrial applications. It outperforms other types of resin in terms of mechanical qualities, as well as heat and chemical resistance. As a result, it is only used in the manufacture of aviation components.

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Epoxy resin is a type of resin with robust mechanical qualities, excellent chemical resistance, and high adhesive strength, making it ideal for a wide range of applications. The following are some of the applications for epoxy resins:

- Metal coatings
- Use in electronic and electrical components
- Electrical insulators
- Fiber-reinforced plastic materials
- Structural adhesives



From 2020 to 2027, the epoxy resin market is expected to grow at a CAGR of 7.0 percent, from \$5.9 billion in 2019 to \$10.3 billion in 2027. Epoxy resin is a thermosetting polymer that is made by copolymerizing an epoxide with a molecule that has two hydroxyl groups. Due to properties such as corrosion resistance, high thermal stability, superior mechanical strength, notable toughness, and prolonged durability, resistance to chemical and moisture, and superior adhesion, these resins are well-known for their improved performance in a variety of industrial applications.



Start Cenosphere Processing from

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A cenosphere is a light, inert hollow sphere consisting primarily of silica and alumina and filled with air or inert gas that is often created as a byproduct of coal combustion at thermal power plants. Cenospheres are grey to practically white in appearance and have a density of 0.4-0.8 g/cm3 (0.014-0.029 lb/cu in), giving them a lot of buoyancy. Cenospheres are a type of sphere that is hard and stiff, light, waterproof, poisonous, and insulative. As a result, they can be found in a wide range of items, including fillers.



Cenospheres are increasingly commonly utilised as fillers in low-density concrete. Some producers have begun infusing metals and polymers with cenospheres to create lightweight composite materials with higher strength than other forms of foam materials, according to a 2016 article. Syntactic foam is the name given to such composite materials. Syntactic foams made of aluminium are finding use in the <u>automotive industry</u>.





Fly ash, also known as flue ash, coal ash, and pulverised fuel ash in the United Kingdom, or coal combustion residuals (CCRs), is a coal combustion product made up of particulates (fine particles of burned fuel) and flue gases that are expelled from coal-fired boilers. Bottom ash is ash that settles at the bottom of a boiler's combustion chamber (also known as a firebox). Fly ash is often caught by electrostatic precipitators or other particle filtration equipment before the flue gases reach the chimneys in modern coal-fired power plants.



It's referred to as coal ash when it's combined with bottom ash scraped from the boiler's bottom. The Cenospheres Market is expected to develop at a Compound Annual Growth Rate (CAGR) of 12.2 percent from USD 388.3 million in 2017 to USD 689.2 million by 2022. The market is likely to be driven in the future by rising demand from major end-use sectors such as paints and coatings, refractory, construction, and oil and gas. The market is hampered by a scarcity of raw materials and a lack of quality control in emerging countries.





Emerging Opportunities in Setup an

Industrial Park

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An industrial park (also known as an industrial estate or a trading estate) is a designated area for the growth of industry. An industrial park is a more "heavyweight" variant of a business park or office park, with offices and light industry instead of heavy industry. Industrial parks are frequently found on the outskirts of, or outside, a city's main residential area, and are usually well-served by public transportation, including road and rail.





A biotechnology industrial park is a type of industrial park that specialises in biotechnology. A bio-industrial park or an ecoindustrial cluster are other names for the same thing. In cities like Singapore and Hong Kong, where land is scarce, flatted industries exist. Individual industries are housed in these buildings, which are similar to flats. Cargo elevators and roadways serve each level of the factory, enabling access to each production lot. A section of the city designated for industrial use is known as an industrial park. These areas are not intended for commercial or residential purposes.



Ports, oil refineries, distribution centres, warehouses, and factories are all examples of industrial parks. The majority of industrial parks are located in places where the environment is favourable to industrial activity. In addition, industries are eligible for tax breaks if they locate their operations in a designated industrial park. Industrial parks are an important aspect of Texas' economic infrastructure, serving as a significant magnet in the state's economic development efforts to make it a location of opportunity and progress. A variety of things have an impact on the parks, and the parks have reciprocal effects on these factors.

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Manufacturing of Mineral Wool Ceiling Tiles

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Ceiling tiles are a type of auxiliary ceiling that hangs below the main (structural) ceiling. Drop ceilings, also known as T-bar ceilings, false ceilings, suspended ceilings, grid ceilings, drop in ceilings, drop out ceilings, or ceiling tiles, are a common choice for both residential and commercial construction. Ceilings allow the installation of a dropped ceiling beneath existing fire sprinklers because the tiles, also known as melt-out ceiling tiles, are heat-sensitive and engineered to fall from the dropped ceiling suspension grid during a fire, allowing the sprinklers to shoot their water.

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Drop down ceiling tiles can increase the aesthetic appeal of a ceiling because the fire sprinklers are hidden behind the tiles. Drop down ceiling tiles are generally made of vinyl or expanded polystyrene and are available from a range of manufacturers in a variety of sizes and finishes. Mineral Wool Ceiling Tiles Have a Wide Range of Applications:

- Concert halls
- > Theaters
- Libraries



- > Auditoriums
- Classrooms
- > Meeting rooms
- Conference rooms
- Sport rooms
- Consulting rooms
- Concert halls
- Theaters







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> Auditoriums

Classrooms

Between 2020 and 2025, the Ceiling Tiles Market is estimated to reach \$8.60 billion, with a CAGR of 9.1%. A spate of development projects are fueling the ceiling tile market. Another megatrend affecting the <u>building and construction</u> <u>industry</u> is the population boom in metropolitan areas, which necessitates low-cost housing.

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For more Projects and further details, visit at:

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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 g U **PT**

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npcs



- 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
- ✓ This report provides vital information on the product like it's characteristics and segmentation
- \checkmark This report helps you market and place the product correctly

by identifying the target customer group of the product

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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
- \checkmark The report provides forecasts of key parameters which helps anticipate the industry performance and make sound business

decisions





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- 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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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. 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

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Who are we?

A trusted and leading name in the industry, we have been putting forth exceptionally integrated and comprehensive technical consultancy services. We believe that project consultancy serves as a critical element for the success of your projects. Moreover, we keep in mind that no client is the same and nor are the requirements. Therefore, we ensure uniqueness in every service you avail from us.



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





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
- o Individual Entrepreneurs
- o NRI's
- Foreign Investors
- Non-profit Organizations, NBFC's
- Educational Institutions
- Embassies & Consulates
- o Consultancies
- Industry / trade associations



Sectors We Cover

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



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Sectors We Cover Cont...

- Bamboo And Cane Based Projects
- o Building Materials And Construction Projects
- Biodegradable & Bioplastic Based Projects
- Chemicals (Organic And Inorganic)
- o 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
- o Disinfectants, Pesticides, Insecticides, Mosquito Repellents,
- o Electrical, Electronic And Computer based Projects
- o 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 & Hospitability Projects
- Hospital Based Projects
- Herbal Based Projects
- o Inks, Stationery And Export Industries

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- 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...

- o Paints, Pigments, Varnish & Lacquer
- o 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
- o Plantations, Farming And Cultivations
- o 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
- o Textiles And Readymade Garments
- Waste Management & Recycling
- \circ Wood & Wood Products
- Water Industry(Packaged Drinking Water & Mineral Water)
- Wire & Cable



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



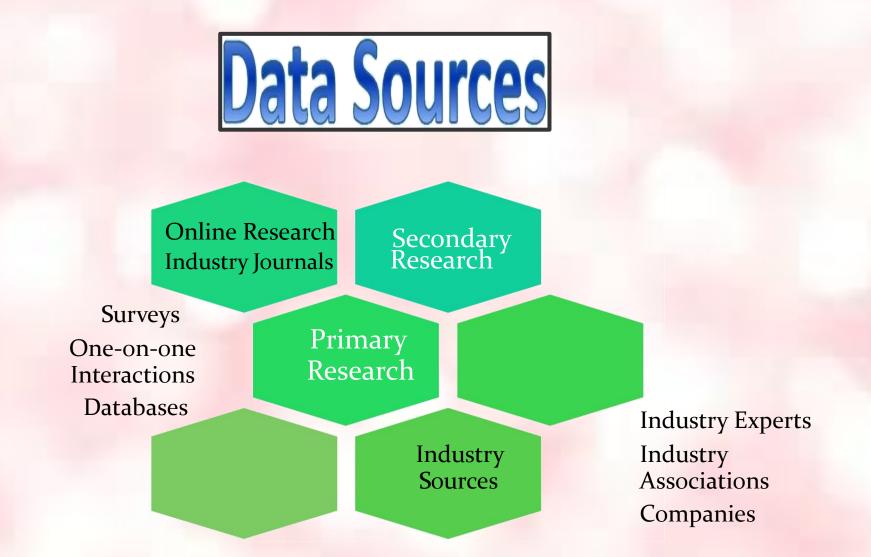
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 Our research team comprises of experts from various financial fields:
MBA's
Industry Researchers

∞Financial Planners

>>> Research veterans with decades of experience



Structure of the Report

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



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



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