

Selected Project Profiles with Investment of 3.5 - 4 Crore

(Plant and Machinery)

Which is the Best Business to Start with 40 Million?





Top Trending Business Ideas



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Introduction



Dreaming of becoming an entrepreneur? If owning your own business is your goal, the good news is, you can achieve it with a great idea and some hard work. Starting your own business is the dream for many. The ability to set your own hours, to determine the type of work you do and earn your income as you wish is a freedom many consider worth pursuing.

No matter how rewarding your full-time job may be there's one thing that's even more meaningful than great pay and solid benefits: working for yourself. When most people think of entrepreneurship, they think of dot com start-ups, well-funded franchises and other such complex and expensive sounding ventures. The truth is, however, you don't have to have a lot of money, or a special skill, to start a business. Just to prove the point, we've come up with simple, easy to execute ideas that you can use today, with very little investment, to start your own business.





Aluminium Cables

and Conductors



from





Wetal/Aluminium Ingots



Aluminium cables are used across various industries and markets. Aluminium cables often are used to connect wind turbines to the grid and this is a relatively new and high-growth application sector. The weight of aluminium it is much lighter in weight as compared to copper while maintaining the same conductivity.

<u>Aluminium cables</u> can often be found when dealing with electricity because of their high conductive nature. These cables are ductile, light weight, non-magnetic and are perfect for heavy-duty applications. It is also <u>ecofriendly</u> since Aluminium can be recycled. These <u>cables are used in motors</u>, <u>electric</u> lights and even telephone lines.

Being light in weight is an important property of aluminium. This has made aluminium cables the most used cables in projects where weight is the main focus like constructions with load-bearing purposes. The <u>Aluminum Market</u> was valued at \$147.2 billion in 2018, and is expected to reach \$189.8 billion by 2026, registering a CAGR of 3.2% from 2019 to 2026.



Aluminum is an electronegative metal which possesses strong affinity for oxygen. It is the sixth most ductile and second most malleable metal present on earth. It is exceptionally light having 2.7g/ccm density is impervious to dust possesses high degree of conductivity and exhibits significant strength when alloyed. It is widely used in <u>food & packaging</u> and <u>pharmaceutical industries</u>, as it is nontoxic in nature, preserves food for prolonged times, inhibits growth of microorganisms. Aluminum is good electrical conductor and thus is used frequently in <u>electrical transmission</u> lines. In addition it is used as primary propellant for solid rocket booster motor in space shuttle due to its high volumetric energy density. Corrosion resistance, reflectivity, and recyclability are other characteristics of Aluminum, The growth of the global aluminum market is driven by development in the transport industry, technological advancements in aluminum manufacturing technologies and processing equipment and increase in usage of aluminum in various industries such as building & construction and foil & packaging. Asia-Pacific is the leading region, in terms of growth, due to massive urbanization growth in income of people living in urban areas and rapid industrial development.



Related Projects: Aluminium and Aluminium Downstream Projects

In addition, continuous advancements in transport industry and ongoing R&D activities to develop innovative, more effective, and cheaper aluminum products fuel the growth of the market. However, increase in competition from substitutes and fluctuations in prices of raw materials such as alumina are some factors that limit the <u>aluminum</u> market growth. Growth in demand from emerging economies such as China & India and increase in use of recycled aluminum products globally provides lucrative opportunities for the market expansion.





Invert Sugar



Syrup



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The invert sugar syrups or invert sugars are chemically made up of a mixture of glucose and fructose. These products are known to have greater digestibility than the commonly used table sugar. Due to their unique properties, invert sugar syrups have been used extensively in the food and beverage industry. The appearance of the invert sugar syrups is transparent and sometimes yellow-brown and sticky consistency. The properties like providing extra sweetness, texturizing properties, etc. have provided an extra edge for invert syrup sugars over other natural sugars. They are also a potent substitutes for honey and sucrose.

Inverted sugar syrup (also called invert syrup, or simply invert sugar) is an edible mixture of two simple sugars glucose and fructose that is made by heating sucrose (table sugar) with water. It is thought to be sweeter than table sugar and foods that contain it retain moisture better and crystallize less easily. Invert sugar syrup is now being used by over 200 units in India. This trend will continue to grow in coming years. The biggest benefit which Pharma industries get is that by purchasing it from external vendors there is a drastic reduction in their cost a consistent quality and better utilization of resources.

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The reason Invert Sugar is added to syrups (like cough syrups) is mainly for flavor enhancement. It also gives a consistent viscosity and smoothness to the solution. Invert sugar is also known for enhancing shelf life of the products it's mixed in therefore it is an ideal mixing solution to neutralize the bitter flavor of medical drugs.

Related Projects: Sugar-based Foods

With increasing awareness of medical treatment in India and a growing middle class the need for medical treatments has gone up substantially. The new units find it impossible to manufacture everything in-house, and therefore depend on external quality vendors for lot of ingredients that they use by doing this they can focus on their core competence of manufacturing drugs only and not worry about the itsy-bitsy things.





Craft Beer









Craft beers and microbreweries are niche concepts in India which have been growing for past few years and are beginning to take shape now. They are mushrooming in many parts of the country. This is an emerging trend that is certainly attracting middle class Indians, particularly in urban areas. The surge in demand for more beer styles coupled with increase in per capita income among the target customers has triggered the demand for craft beer in some of the key beer consuming regions. Craft beer is typically more expensive than standard lager beers. Consumers with higher income are the prime customers for the global craft beer market. Higher incomes not only stimulates an increase in the demand for more expensive products but also stimulates the demand for more variety. It is thus not surprising that the craft beer market expanded as incomes increased substantially in industrialized countries in the decades.

Related Projects: Alcoholic and Non-Alcoholic Beverages





The Indian beer market is expected to grow with a CAGR of 9.9% over the forecast period 2019-2025. Beer is gradually more acceptable as a social drink and the urban youth in particular favors it as the preferred <u>alcoholic beverage</u>. The Indian beer market is progressively attractive and it is anticipated that the beer market. Owing to the growing youth segment, increasing purchasing power, changing consumer preference and growing urbanization are the major factor growth of the <u>beer industry</u> in India.

The demand for low-alcoholic beverages has been rising with the growing interest from health-conscious consumers. Wider choice of new product range offered by key players with improved taste and low alcoholic content in beer for those of 2.8% ABV and less is driving the market. Increasing penetration of craft beer among Asian consumers is expected to drive the market. However, threat from other alcoholic beverages, like wine, is one of the major hindering factors to the craft beer market.



I.P.G





Cylinders



Liquefied <u>petroleum gas</u> (LPG) is a term describing a group of hydrocarbon-based gases derived from crude oil and or natural gas. Natural gas purification produces about 55 percent of all LPG, while crude oil refining produces about 45 percent. LPG is mostly propane, butane or a mix of the two. It also includes ethane, ethylene, <u>propylene</u>, butylene, isobutene and isobutylene; these are used primarily as chemical feed stocks rather than fuel. The ultimate use of the LPG cylinder is for the storage and transportation of gas from one place to another.

Increasing government initiatives and subsidies in various countries in Asia and South America have transitioned a switch from traditional fuel including coal, wood, and kerosene to LPG as clean and powerful cooking fuel. Governments across countries are introducing subsidies to switch the majority of the population in countries to use LPG as a cooking fuel, thereby, providing subsidized LPG gas cylinders. Increase in urban population combined with increasing LPG penetration in rural areas has resulted in a 10% growth in LPG consumption, making India the second largest LPG consumer in the World at 19 million tonne per year.



Based on Government's continued efforts to promote clean fuel and increased adoption by consumers, LPG consumption is expected to see a sustained double-digit growth in the years to come.

Related Projects: <u>LPG Cylinder and Valves</u>

The LPG market is categorized into residential and commercial, chemical, industrial, refineries, automotive fuel, and others. Residential and commercial category accounted for a significant share in the market. This is incoherence to widespread dependency on LPG as a cooking fuel among the rural and urban populations across the Asia-Pacific and Latin-America regions. The LPG market stood at over \$81.4 billion in 2018 and is projected to grow at a CAGR of over 5% to cross \$109 billion by 2024.





Tomato Products Tomato



Ketchup,







Tomato Ketchup word originated from Chinese koechiap meaning brine of fish or generally mentioned as spicy sauce the word sauce is derived from Latin word salsas that means salted. Ketchup is originally supposed to have been invented in the seventeenth century and was related to a sauce that contained <u>fish brine</u>, herbs and spices as main ingredients. Tomato ketchup might be just an additional sauce for foods or a dressing for pasta. As we know, tomato is not only delicious as a <u>fresh</u> <u>fruit</u> but also delicious as sauce and even when it has been processed as tomato ketchup, the taste is still tasty. As part of worldwide culinary ingredients, tomato ketchup could be found in any kitchen around the world. Tomato sauces are used in many products including frozen foods, pasta sauces and pizza toppings, etc. A typical tomato sauce would be based on sieved or whole tomatoes, and/or tomato paste. It would also contain water, sugar, vinegar, salt and seasoning. The desired product viscosity would normally be achieved using a <u>starch-based</u> thickener. Tomato sauce is one of the most common sauces made primarily out of tomatoes. It is a product prepared by cooking fresh tomatoes down in to a medium thick sauce, which is strained to remove seeds and peels.



Related Projects: Tomato Processing and value added Products

Due to its rich flavor, low liquid content, very soft flesh that breaks down easily, and the right composition to thicken up into a sauce when cooked, tomato serves as the best option for preparing the sauce. Tomato processing industry is huge. The only ketchup and sauce market in India is pegged at Rs 1,000 crore and growing at around 20% year-on-year. There is a big market for the processed tomato products.

The market scenario has revealed a positive indication for the specially packed tomato sauce in local as well as outside market. Rapid urbanization has increased the use of processed tomato products. Tomato ketchup is a widely popular condiment made from tomatoes, <u>vinegar</u>, sweeteners, and salt. The simple yet versatile formulation of tomato ketchup has made it popular in various cuisines, with the growing demand for <u>fast food</u> enabling smooth expansion of the tomato ketchup market.

Related Books: Tomato Products Tomato Ketchup, Sauce and Soup



Tomato ketchup is commonly served with fast food items such as sandwiches, burgers, fries, and grilled or fried meat. It is also commonly used as a base for other sauces, since its flavor is popular and agreeable. The ketchup market can be broadly segmented into four major segments, such as product ingredient type, application, distribution channel, and geography. Regarding product ingredient type, ketchup market can be classified into tomato ketchup, mushroom ketchup, mustard ketchup, fruit & nut ketchup, and others. Ketchup is a staple with traditional fast food items, but the agreeable flavor of tomato ketchup has also boosted its use with local fast food items in emerging regions. The Indian market is expected to grow annually by 7.3% (CAGR 2019-2023).





Low Carbon

F'erromanganese









High Carbon Ferro- manganese containing about 7% carbon is not suitable for the production of steels or other alloys containing manganese in which it is desired to maintain the carbon at low level. For the manufacture of such materials the manganese must be added either as the relatively pure metal or in the form of an addition alloy with a low content of carbon.

Ferromanganese is a <u>ferroalloy</u> that has high content of manganese; it is manufactured by heating mixture of oxides Fe2O3 and MnO2 along with carbon, which is usually coke and coal in an electric arc furnace or blast furnace. In the furnace, the oxides go through carbothermal reduction, hence, producing ferromanganese which is used as deoxidizer for steel. Main producing countries of Ferro Manganese are India, South Africa and Korea & Europe.

Related Projects: Low Carbon Ferromanganese

<u>Construction industry</u> is expected to rise substantially over the next seven years owing to high construction demand from the BRICS nations. This trend is estimated to boost the global steel industry thereby aiding the global ferromanganese market.



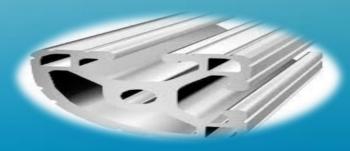
Stainless Steel industry an important end-use industry for ferromanganese has witnessed rapid growth over the last few years and is further expected to grow. High carbon ferromanganese is used in stainless <u>steel industry</u> for de-sulphureting. Demand from such end-use industries is estimated to boost the global ferromanganese market over the next seven years.

Related books: Ferroalloys Technology

Growing demand from the steel industry for ferromanganese is anticipated to fuel growth of global ferromanganese market. Manganese improves the workability, tensile strength, toughness, resistance to abrasion and hardness. Increasing constructional activities in the BRICS has led to high demand for steel. Hence, high demand is ferromanganese from the steel industry. Growing demand for ferromanganese from the welding industry is also one among the factors driving the growth of ferromanganese market. Increasing demand from the ally sector is also anticipated to contribute to the growth of global ferromanganese market. Hence, high demand for ferromanganese is the steel industry and welding industry during from 2015 to 2022.









Aluminium is a light, strong, flexible, non-corrosive and infinitely recyclable metal. Aluminium is widely used in the transport, construction, packaging and electrical industries. Aluminum extrusion is a technique used to transform aluminum alloy into objects with a definitive cross-sectional profile for a wide range of uses. The extrusion process makes the most of aluminum's unique combination of physical characteristics. Its malleability allows it to be easily machined and cast and yet aluminum is one third the density and stiffness of steel so the resulting products offer strength and stability, particularly when alloyed with other metals.

Related Projects: <u>Aluminum Extrusion Profiles</u>

Global Aluminum-Extruded Products Market is expected to exhibit a robust 6.5% CAGR over the forecast period from 2018 to 2025 to reach an overall valuation of USD 68.5 billion. The growing construction industry in Asia Pacific and other developing regions such as the Middle East is likely to be a major driver for the global market.



The construction industry uses aluminum extruded products on a large scale due to the easy malleability of aluminum, which lends itself to widespread use in the construction industry

Related Books: Aluminium Technology

Aluminum offers the construction industry a compromise with the structural strength of steel added to the light weight comparable to plastics. This has made aluminum extruded products widely popular in the construction industry which is likely to remain a major end user in the global market over the forecast period. Growing construction efforts in developed as well as developing countries are likely to be a major driver for the global Aluminum-Extruded Products Market.





Zine Oxide from

Zinc Dross





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Zinc oxide is water insoluble compound, but soluble in acid and bases. It has wide application in industry such as rubber, ceramics/glass, paint/coatings industry, cosmetics industry and the pharmaceutical industry. Zinc oxide has a widespread use in cosmetic products. Zinc oxide is used primarily in cosmetics and personal care products including makeup, baby lotions, bath soaps, nail products, and powders and others. Besides its authorized use as a cosmetic zinc oxide is applied as bulking agent and skin protecting UV absorber. In sunscreens zinc oxide is used at concentrations up to 25%. Zn2+ is generally considered a non-toxic metal.

Related Projects: Chemicals (Organic, Inorganic, Industrial) Projects

It is an essential nutrient present virtually in every cell. It must be consumed in the diet and absorbed to maintain human health and it does not appear to accumulate with age, etc. Owing to its wide usage in various cosmetics products such as sunscreen, talcum powder, cold cream face powder, depilatories and others is supporting zinc oxide demand in <u>cosmetics industry</u>.



Zinc oxide (ZnO) is an inorganic and insoluble compound that is mainly used as an additive in various products such as rubber, ceramics, paints, lubricants, foods, <u>batteries</u>, plastics, first-aid tapes, antiseptic creams, cosmetic creams, and medical substances. One of the major applications of zinc oxide is its usage in creams, ointments, and lotions to protect human skin against sunburn and harmful UV ray.

Related Books: Chemicals & Allied Products (Zinc Oxide)

The market size of zinc oxide in terms of value is projected to reach USD 4,184.5 million by 2020, and the global market size for zinc oxide is projected to register a CAGR of 6.0% "between" 2015 to 2020. In terms of value, the zinc oxide market size in rubber application to reach USD 2,095.2 million by 2020, at a CAGR of 5.4% between 2015 and 2020.



Tags

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For more Projects and further details, visit at:

Technology Books

Project Reports & Profiles



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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- One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services
- 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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- Turnkey Project Consultancy/Solutions
- O Entrepreneur India (An Industrial Monthly Journal)

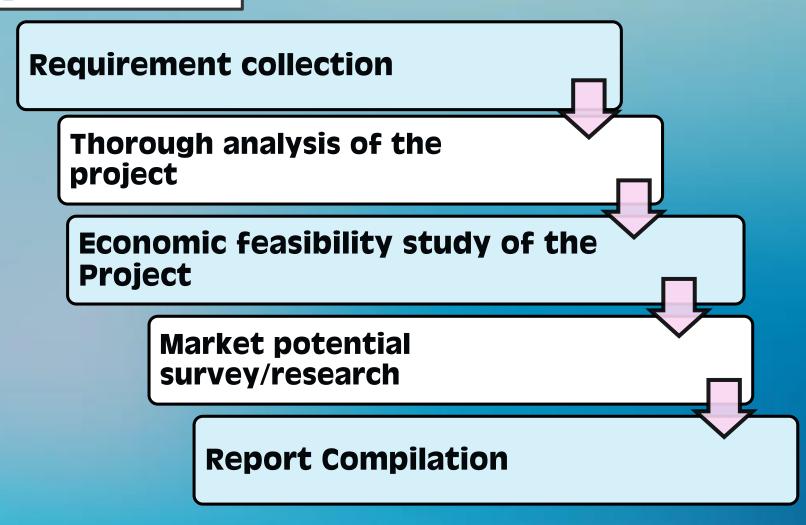


How are We Different?

- 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





Contact us

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