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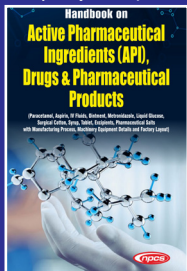
About Us

NPCS is a well-known technical consultancy that focuses on Project Reports Compilation, and we have been following a tight system and procedure to assure only top quality in accordance with our clients' expectations in this rapidly increasing and changing market. We've created the list of the top projects to start your own business startups.

Handbook on Active Pharmaceutical Ingredients (API), Drugs & Pharmaceutical Products

(Paracetamol, Aspirin, IV Fluids, Ointment, Metronidazole, Liquid Glucose, Surgical Cotton, Syrup, Tablet, Excipients, Pharmaceutical Salts with Manufacturing Process, Machinery Equipment Details and Factory Layout)

₹ 2,495/- US\$ 63-



An active pharmaceutical ingredient (API) is the active substance in a pharmaceutical drug that produces its therapeutic effect. APIs can be synthetic chemicals or natural sources such as plant extracts. APIs are components of drugs, the majority of which are manufactured by pharmaceutical companies. Drugs, on the other hand, are dosage forms that contain an API and are distributed to patients for use. Pharmaceutical products are any compounds used in the medical industry to diagnose, treat, cure, or prevent diseases. These products are typically formulated as drugs, vaccines, biologics, and medical devices, which can either be prescribed by a doctor or bought over-the-counter (OTC). They come in various forms such as tablets, capsules, syrups, ointments, creams, solutions, suspensions, implants, patches, and powders. Pharmaceutical products are manufactured under strict guidelines and must adhere to various regulations such as Good Manufacturing Practices (GMP).

The global market for Active Pharmaceutical Ingredients (API), Drugs & Pharmaceutical Products is expected to grow rapidly over the next few years. This growth will be driven by rising demand for improved healthcare services and an increasing number of new treatments. The market for active pharmaceutical ingredients is anticipated to rise at a CAGR of 5.90%. The development in the production of active pharmaceutical ingredients (APIs) as well as the increased incidence of chronic diseases including cancer and cardiovascular conditions are both responsible for the expansion. Government regulations that are supportive of API manufacturing, together with shifting geopolitical conditions, are accelerating market expansion.

The pharmaceutical products market has grown steadily in recent years, and is expected to continue to do so. This growth is driven by a number of factors, including increased demand for new drugs, changing disease patterns and aging populations in some countries, as well as the emergence of innovative drugs and technologies. The market is being shaped by the rise of emerging economies and their increasing healthcare needs. This has led to increased investment in drug research and development, as well as an increase in the number of multinational companies setting up operations in various countries.

Furthermore, generic drugs are becoming increasingly popular as a way of reducing healthcare costs. Generic drugs are copies of brand-name drugs, which are manufactured by generic drug companies. They offer an effective alternative to branded drugs and are often much cheaper. As a result, generic drugs are increasingly being used in countries across the world, leading to an increase in the global pharmaceutical products market.

Overall, the global market for pharmaceutical products and drugs are set to continue to grow in the coming years. New products, innovative technologies and emerging markets will drive growth, and this will bring both opportunities and challenges for the industry.

The books' main subjects include Active Pharmaceutical Ingredients (API), Drugs, Aspirin, Paracetamol, IV Fluids, Ointment, Metronidazole, Liquid Glucose, Surgical Cotton, Syrup, Tablet, Excipients, Pharmaceutical Salts with formulations, factory layout, and images of machinery with contact information for suppliers.

A thorough guide to manufacturing and business operations in the Active Pharmaceutical Ingredients (API), Drugs & Pharmaceutical Products industry. The Active Pharmaceutical Ingredients (API), Drugs & Pharmaceutical Products manufacturing industry is full with opportunity for producers, traders, and business owners, and this book is your one-stop resource for all the information you require. This only complete manual on the creation of commercial Active Pharmaceutical Ingredients (API), medications, and pharmaceutical products is this one. It offers a wealth of information on how to do things, from concept through equipment acquisition.

Handbook on Printing Technology

(Offset, Flexo, Gravure, Screen, Digital, 3D Printing with Book Binding and CTP) (5th Edition)

₹ 1,875/- US\$ 47-



Printing is a process for reproducing text and image, typically with ink on paper using a printing press. It is often carried out as a large-scale industrial process, and is an essential part of publishing and transaction printing. Modern technology is radically changing the way publications are printed, inventoried and distributed. Printing technology market is growing, due to technological proliferation along with increasing applications of commercial printing across end users.

In India, the market for printing technology is at its nascent stage; however offers huge growth opportunities in the coming years.

The major factors boosting the growth of offset printing press market are the growth of packaging industry across the globe, increasing demand in graphic applications, the wide range of application in various industry, and industrialization. 3D printing market is estimated to garner \$8.6 billion in coming years. The global digital printing packaging market is expected to exceed more than US\$ 40.02 billion by 2026 at a CAGR of 13.9%. Computer-to-plate systems are increasingly being combined with all digital prepress and printing processes.

This book is dedicated to the Printing Industry. In this book, the details of printing methods and applications are given. The book throws light on the materials required for the same and the various processes involved. This popular book has been organized to provide readers with a firmer grasp of how printing technologies are revolutionizing the industry.

The major content of the book are principles of contact (impression), principles of noncontact printing, coated grades and commercial printing, tests for gravure printing, tests for letterpress printing, tests for offset printing, screen printing, application of screen printing, offset lithography, planography, materials, tools and equipments, sheetfed offset machines, web offset machines, colour and its reproduction, quality control in printing, flexography, rotogravure, creative frees printer, shaftless spearheads expansion, digital printing, 3D printing, 3D printing machinery, book binding, computer-to-plate (ctp) and photographs of machinery with suppliers contact details.

A total guide to manufacturing and entrepreneurial success in one of today's most printing industry. This book is one-stop guide to one of the fastest growing sectors of the printing industry, where opportunities abound for manufacturers, retailers, and entrepreneurs. This is the only complete handbook on the commercial production of printing products. It serves up a feast of how-to information, from concept to purchasing equipment.

A Business Plan for Sodium Chlorite (NaClO₂)

Direct Electrolysis Process from Sodium Chloride to Sodium Chlorite

Sodium chlorite is a chemical compound with the formula NaClO₂. It is a white crystalline solid, odourless and non-flammable. It is used in water treatment, industrial processes, and food preservation. It is often used as a disinfectant due to its ability to kill a wide variety of microorganisms and eliminate odors. Sodium chlorite can be used to disinfect drinking water, swimming pools, and wastewater. It is also used in medical and dental settings to clean equipment and surfaces. Sodium chlorite is also used in bleaching and whitening applications.

What is Direct Electrolysis Process?

Sodium Chlorite Direct Electrolysis Process is a chemical process that produces Sodium Chlorite from Sodium Chloride by direct electrolysis. This method of electrolysis involves passing an electric current through an aqueous solution of sodium chloride, resulting in the formation of chlorine gas and sodium hydroxide, which can then be used to produce sodium chlorite. The process requires specialized equipment and involves carefully controlling the parameters of temperature, pressure, and current intensity. The Sodium Chlorite Direct Electrolysis Process is a highly efficient and cost-effective method for producing sodium chlorite

PROJECT COST ESTIMATE	
CAPACITY	
Sodium Chlorite (NaClO ₂)	: 15 MT Per Day
Plant & Machinery	: ₹ 567 Lakhs
Cost of Project	: ₹ 1892 Lakhs
Rate of Return	: 26 %
Break Even Point	: 48 %

from sodium chloride. It is a safe and reliable method for producing sodium chlorite with minimal environmental impact.

Why Should Entrepreneurs Invest in This Business?

The Sodium Chlorite Direct Electrolysis Process is an innovative and efficient way to produce a valuable chemical. It offers entrepreneurs a unique business opportunity to capitalize on the growing demand for this product. The direct electrolysis process uses energy-efficient technologies that allow for faster and more cost-effective production of Sodium Chlorite than other methods. This makes it an attractive option for entrepreneurs who are looking to quickly increase their profits. This process requires relatively few resources and can be scaled up quickly, making it an ideal choice for

entrepreneurs who are just starting out or who are looking to expand their operations.

Forecast for the World Market

The global sodium chlorite market is forecasted to grow at a rate of 6.3% from USD 197.5 million in 2019 to USD 323.2 million in 2027. The sodium chlorite industry is witnessing rapid growth attributed to its increasing application as a disinfectant and bleaching agent in water treatment, paper, textile, and medical. Factors such as surging demand in water treatment plants, growing application in the medical sector, growing usage in the textile industry, and growing demand from the emerging economies drive the market demand.

Conclusion

Investing in the Sodium Chlorite Direct Electrolysis Process from Sodium Chloride to Sodium Chlorite can help entrepreneurs stay ahead of the competition by providing them with a reliable source of high-quality sodium chlorite. This in turn can help ensure that their products are up to the highest standards and remain competitive in the market. Overall, investing in the Sodium Chlorite Direct Electrolysis Process from Sodium Chloride to Sodium Chlorite is an excellent option for entrepreneurs looking to reduce costs and maximize profits.

A Business Plan for Highway Guard Crash Barrier with Metal Beam (Roll Forming) and Galvanizing Plant

Metal beam crash barriers, also known as guardrails, are an important safety feature on highways, bridges and roads. They are used to protect drivers and pedestrians from potentially hazardous driving conditions. Metal beam crash barriers are made of metal beams or posts connected together with wire rope, providing a physical barrier that can absorb the impact of a collision or prevent vehicles from running off the road. These metal beams are usually made of steel or aluminium, but they can also be constructed with other materials such as plastic or wood. The metal beams are typically placed in an alternating pattern, with gaps between them to allow air to pass through. This allows the barrier to flex and absorb the energy of the impact while still remaining in one piece. Metal beam crash barriers can also be designed with different features such as reflectors, cross-bracing and other modifications to enhance their effectiveness in certain situations.

The Process of Roll Forming

Roll forming is the process of bending metal into specific shapes and lengths in order to create

metal beam crash barriers, or any other types of barrier. The process is done using specialized equipment which includes two large rolls that are connected and rotate in opposite directions, with each roll containing a series of dies which are used to form the metal beams into the desired shape. The process starts by feeding a strip of metal into the equipment and it passes between the two rolls. As the strip passes through the rolls, the dies press against the metal strip, shaping it into a specific profile as required. This process is repeated until the desired length of the barrier is achieved.

Benefit of Starting This Business

The roll forming process allows the barriers to be created with more consistency and quality than traditional methods, which can help reduce the cost of production and increase profits.

Global Market Outlook

The global market outlook for roll forming metal beam highway crash barriers is very positive. As more countries invest in infrastructure development

PROJECT COST ESTIMATE	
CAPACITY:	
Metal Beam Highway Crash Barrier	: 167 MT Per Day
MS Sheet Scrap	: 33 MT Per Day
Plant & Machinery	: ₹ 701 Lakhs
Cost of Project	: ₹ 2608 Lakhs
Rate of Return	: 30 %
Break Even Point	: 45 %

projects and the demand for safe, reliable and cost-effective solutions continues to grow, the use of roll formed metal beam highway crash barriers is likely to become increasingly widespread in both developed and emerging markets.

Conclusion

Starting a roll forming metal beam highway crash barrier business can be a profitable venture for any entrepreneur. With an increasing demand for these types of barriers, this market is expected to grow over the coming years.

Market Survey Cum Detailed Techno Economic Feasibility Report on all above Businesses are Available. Contact :

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Setup Plant of Ceramic Wall and Floor Tiles

Ceramic wall and floor tiles are a popular choice for a wide variety of applications, from residential to commercial. These tiles are made by firing clay or other ceramic materials at high temperatures, resulting in a hard, durable tile that is resistant to staining, water damage, and general wear-and-tear.

Benefit of Starting Ceramic Wall and Floor Tiles Business?

The popularity of ceramic wall and floor tiles has been steadily increasing in recent years due to its many advantages. Ceramic tile is a durable, affordable, and attractive material that can be used to add value to your home. Starting a business in ceramic wall and floor tiles is a great investment, as it requires minimal initial investment and can provide a steady stream of income.

Indian Market Outlook

The India ceramic tiles market size was valued at \$3,720.2 million in 2019, and is projected to reach \$7,144.7 million by 2027, growing at a CAGR of 8.6% from 2020 to 2027. Ceramic tiles are manufactured from clay for flooring choices. The ceramic tiles are made from raw materials such as kaolin, bentonite, sand, feldspar, and glass. They are most commonly used, owing to their features such as resistant to scratch, environment friendly, durable, and others. In addition, vitrified tiles are the type of ceramic tiles, which are used as alternative to granite and marble flooring. They are generally used for outdoor walls and flooring, owing to the properties such frost and water resistant. The growth in urbanization boost the demand for residential and commercial construction market in the country, which has fueled rapid growth for the India ceramic tiles market.

PROJECT COST ESTIMATE CAPACITY

Ceramic Wall & Floor Tiles	: 6,000 Sq.MT. Per Day
Plant & Machinery	: ₹ 2724 Lakhs
Cost of Project	: ₹ 5543 Lakhs
Rate of Return	: 29 %
Break Even Point	: 47 %

Global Market Outlook

The global ceramic wall tiles market size was estimated at USD 68.6 billion in 2018 and is expected to grow at a compound annual growth rate (CAGR) of 6.1% from 2019 to 2025. The product demand is also expected to be benefited by growing renovation activities in commercial spaces including offices, hospitals, and shopping malls. The increasing number of hotels and restaurants in Southeast Asian countries is expected to propel the demand for ceramic wall tiles over the projected period. Also, the rising investment in the development and renovation of tourism infrastructure within Europe and the Americas is further expected to boost the product demand.

Outcome

The ceramic wall and floor tiles business has been booming in recent years. Ceramic wall and floor tiles are also very versatile, so they can be used in a variety of different applications, from bathrooms and kitchens to exterior walls and patios. As a result, ceramic tiles have become increasingly popular among homeowners who want to achieve an attractive, durable, and low-cost look for their homes.

A Business Plan for Transformer Oil

Transformer oil is a type of specialized oil that is used as an insulation and cooling medium in electrical transformers. It is a mineral-based oil, which may be composed of synthetic hydrocarbons, vegetable or animal oils, or silicone. It is mainly used in power and distribution transformers, in which it helps to cool down the coils, prevent breakdowns, and ensure proper insulation of the transformer. Transformer oil has excellent electrical insulating properties and does not react with the copper windings of the transformer. It has a very high flash point and low pour point, making it stable at high temperatures.

Application of Transformer oil

It is typically used to cool and insulate the components of these devices. It also provides protection against water and moisture, which can cause short-circuiting, sparking and arcing. Transformer oils are also used to clean and lubricate components. Transformer oil is used in a variety of industries including electricity generation, telecommunications, and industrial machinery. Transformer oil plays an important role in many industries and its use is becoming increasingly widespread. It offers many benefits, including improved efficiency, protection against fire and water damage, and protection against static electricity.

PROJECT COST ESTIMATE

CAPACITY

Transformer Oil	: 100 KLS Per Day
Plant & Machinery	: ₹ 19 Cr.
Cost of Project	: ₹ 93 Cr.
Rate of Return	: 27 %
Break Even Point	: 41 %

Global Market Outlook

The global transformer oil market size was valued at USD 2.1 billion in 2022 and is expected to expand at a compound annual growth rate (CAGR) of 12.5% from 2023 to 2030. This is attributed to growth in the global power sector and advancement of electric grids in emerging countries. Transformer Oil is an excellent electrical insulator that remains stable at high temperatures. Although the majority of this transformer oil is derived from mineral oils, replacement compositions with superior physical and chemical qualities are becoming more and more popular.

Conclusion

With the continuing development of technology and the rise in demand for transformer oils, it is clear that the transformer oil business will continue to be a lucrative industry for many years to come.

Prestressed Concrete Sleepers

Concrete sleepers are one of the most important applications of a railway track system. The impact load characteristics and ultimate load carrying capacity of a prestressed sleeper, but the fatigue life of prestressed concrete sleepers is limited. The railway sleeper is a vital railway component that lies between the rail and the ballast. The important functions of sleepers include the following: uniform transfer and distribution of loads from the rail foot to ballast bed, provision of an anchorage for the fastening system, and the restraining of lateral, longitudinal, and vertical movement of the rails.

Prestressing is the process of applying a load to a structure deforming is it so that it will with stand a work load more effectively or so that it will deflect less. Prestressed concrete is that in which internal stresses are introduced to such a magnitude and distribution that the tensile stresses resulting from the service loads are encountered to a desired degree. The prestresses are commonly introduced by tensioning the tensions.

Indian railways is world's largest railway network. Railways in India consume at about

PROJECT COST ESTIMATE CAPACITY

Capacity	: 500 Pcs. Per Day
Plant & Machinery	: ₹ 1409 Lakhs
Cost of Project	: ₹ 2691 Lakhs
Rate of Return	: 29%
Break Even Point	: 41%

350 Million concrete sleepers. The demand of such sleepers including Private players is expected to double to nearly 700 million sleepers in next 2 years. The Indian Railways is among the world's largest rail networks. The Indian Railways network is spread over 115,000 km, with 12,617 passenger trains and 7,421 freight trains each day from 7,172 stations plying 23 million travelers and 3 million tones (MT) of freight daily. The revenue generated by the Railways is expected to grow at 10 per cent in the fiscal year 2017-18. Foreign Direct Investment (FDI) inflows into Railways related components from April 2000 to March 2017 were US\$ 798.55 million. The market size is projected to grow from USD 104.03 Billion in 2017 to USD 138.96 Billion by 2022, at an estimated CAGR of 5.96%.

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Setup plant of Acetate Tow for Cigarette Filters

Acetate tow is a type of material used in the cigarette industry to make filters. It is made of cellulose acetate fibers which are very thin, strong and resilient. This type of material has been around for decades and is now widely used to manufacture cigarette filters. Acetate tow is produced through a process called extrusion, which consists of melting the cellulose acetate into liquid form and then spinning it into fine fibers that are then woven together. These fibers are then twisted into an even finer yarn, resulting in a durable and reliable material.

The Future of the Acetate Tow Industry

The demand for acetate tow is growing rapidly as cigarette manufacturers turn to this durable material to meet their ever-increasing production needs. The rise in the number of smokers, especially in emerging markets, is expected to drive growth in the acetate tow industry. The increasing demand for cigarette filters, coupled with the advancements in acetate tow production technologies, are expected to drive growth in the acetate tow industry over the next few years.

PROJECT COST ESTIMATE CAPACITY

Acetate Tow	: 8 MT Per Day
Plant & Machinery	: ₹ 542 Lakhs
Cost of Project	: ₹ 1426 Lakhs
Rate of Return	: 29 %
Break Even Point	: 50 %

Global Market Outlook

Acetate tow has become a popular choice for cigarette filters due to its safety, affordability, and versatility. With the ever-growing market for filter materials, acetate tow has become an essential component of the industry and is here to stay.

Conclusion

Acetate tow is relatively affordable and easy to work with. This makes it a great choice for companies looking to enter into the cigarette filter business. As more people become aware of the health benefits associated with acetate tow, we can expect the demand for this type of material to only increase.

Setup a Manufacturing Plant of Disposable Plate and Cups from Waste Rice Husk Powder

Disposable plate and cups has emerged as a better alternative to plastics across the globe and Indians have been early adopters of biodegradable products. All kinds of plant biomass material such as bagasse, rice husk, coconut coir etc. are being utilized for producing eco-friendly cutlery, tableware and packaging products that could see a surge in usage in the coming decade.

Rice husk plates is highly friendly, high performing, and cost-effective products manufacturing using top-quality materials and industry-leading technology. Great to hold and use and no unpleasant feeling of wooden single use tableware in your mouth. Ditch the single use plastic and bio plastic and reuse the natural sustainable alternative. Give a gift that has a positive effect, take to work, use at the deli takeout, switch from plastic at the refectory and avoid single use surcharges too.

Disposable plates and cups has gathered groundswell of interest among consumer worldwide due to compelling environmental

PROJECT COST ESTIMATE CAPACITY:

Disposable Plates from Waste Rice Husk Powder	: 10,000 Pcs per Day
Disposable Cups from Waste Rice Husk Powder	: 10,000 Pcs per Day
Plant & Machinery	: ₹ 38 Lakhs
Cost of Project	: ₹ 166 Lakhs
Rate of Return	: 28.44%
Break Even Point	: 59.78%

reasons. To that end, augmenting the popularity of biodegradable utensils are their better sustainability than plastics and the salient environmental-friendliness of biodegradable materials. In particular, biodegradable tableware made of plant-based materials and biodegradable bio-plastics have attracted widespread attention world over. Most popularly, eco-friendly tableware are made using corn, areca leaves, and bagasse, and rice husk. Over the years, the remains of fast growing trees have been utilized. The demand for disposable plate and cup with bamboo in regions where they are abundantly available has gathered stream, such as in India.

Setup plant of Craft Beer

Craft beer is a term used to describe a beer that has been made in a traditional and independent fashion. It is usually made in smaller batches with high quality ingredients, and often has a distinctive flavor profile. Unlike many mass-produced beers, craft beer often uses a variety of malted grains, hops, and other ingredients such as spices and fruits, giving it a unique character and taste. Craft brewers also experiment with different styles, including lagers, stouts, porters, sours, IPAs, and many others.

Benefit of Craft Beer Industry

The craft beer industry is a booming business that offers a number of benefits for consumers, breweries, and the economy. Craft brewers are small, independent businesses that produce beers with high-quality ingredients and unique flavor profiles. The craft beer industry is also taking a leadership role in sustainability. Many breweries are using sustainable practices to reduce their carbon footprint. They are focusing on recycling, water conservation, and reducing energy usage. These efforts help create a greener future for everyone and are a great example of the positive effects of craft beer.

Indian Market Outlook

In recent years, craft beer has become increasingly popular among Indians. Many bars and restaurants across the country now offer craft beer on their menus, and there are numerous craft beer festivals taking place each year. In addition, craft beer clubs have sprung up in major cities, providing an opportunity for enthusiasts to sample new beers. The craft beer industry in India is still in its infancy and there is a lot of potential for growth. With the right strategies and investments, craft brewers can tap into this lucrative market and expand their reach to new customers.

Global Market Outlook

Craft Beer Market size was valued at USD 234.34 Billion in 2021 and is projected to reach USD 1132.91 Billion by 2030, growing at a CAGR of 19.13% from 2023 to 2030. Beer has always been the oldest and most widely consumed alcoholic beverage around the world and has several health benefits if consumed moderately; it contains iron, calcium, vitamin B, and fiber. Advancements in beer brewing technologies have resulted in the emergence of wide-ranging products in the market. The aforementioned product is one of the most consumed variants in the spectrum and has gained immense popularity in recent years. The market's overall growth has been tempered by changing consumer lifestyles and preferences. Furthermore, rapid urbanisation and an increasing population are expected to accelerate the market's overall growth.

Conclusion

The craft beer industry is a thriving industry that has brought countless benefits to consumers, breweries, and the local economy. By offering high-quality, unique products and focusing on sustainability, craft brewers have created a booming industry that will continue to grow for years to come.

PROJECT COST ESTIMATE

CAPACITY:	
Craft Beer (Bottles 650 ml Size)	: 3,847 Bottles Per Day
Craft Beer (Al. Cans 500 ml Size)	: 5,000 Bottles Per Day
Plant & Machinery	: ₹ 780 Lakhs
Cost of Project	: ₹ 2007 Lakhs
Rate of Return	: 27 %
Break Even Point	: 49 %

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Start a Production of Compressed Biogas

Compressed bio gas (CBG) is a renewable energy source produced from organic material such as agricultural waste, municipal waste, and other organic sources. It is made through anaerobic digestion (AD), a process which breaks down organic material in the absence of oxygen to create biogas and other useful products. Biogas is made up mostly of methane and carbon dioxide, both of which can be used for energy production.

Uses and Applications

Compressed bio gas is a renewable energy source that has a wide range of uses and applications. It is a clean fuel that can be used to power vehicles, generate electricity, and provide heating and cooling. It can also be used in industrial processes, such as the production of fertilizer, plastics, and chemicals. As demand for renewable energy grows, compressed bio gas is likely to become an even more important part of the energy mix in the future.

Future prospects for the compressed biogas sector

The future of the compressed bio gas industry is looking very promising. With the world's energy needs constantly increasing, renewable energy sources such as compressed bio gas are becoming increasingly popular. With more businesses and governments recognizing the potential of this renewable energy source, the industry is likely to experience an even larger boom.

Indian Market Outlook

India is the world's second-largest biogas consumer in the world. According to the Oil and Natural Resources Minister, India will receive Rs 2 lakh in investment to develop 5000 biogas plants by 2023-24. The installation of renewable energy sources is expected to increase significantly over the next decade, resulting in India biogas market growth. Global Market Outlook

The global biogas market size was valued at USD 60.06 billion in 2021 and is expected to expand at a compound annual growth rate (CAGR) of 4.3% from 2022 to 2030. The growing interest in finding effective means to obtain bio-products and biofuel from industrial food waste coupled with an increasing need for wastewater treatment in the industrial sector is expected to fuel the demand for biogas over the forecast period.

Conclusion

In conclusion, the compressed bio gas industry is booming and the future looks bright. With advancements in technology and more people and businesses recognizing the benefits of using this renewable energy source, this industry is set to become one of the biggest players in the energy sector. With its low emissions, economic efficiency, and environmental friendliness, it is clear why this fuel is becoming increasingly popular with businesses and governments around the world.

PROJECT COST ESTIMATE	
CAPACITY:	
<i>Compressed Bio Gas</i>	: 6 MT Per Day
<i>Spent Slurry as Manure</i>	: 60 MT Per Day
Plant & Machinery	: ₹ 172 Lakhs
Cost of Project	: ₹ 522 Lakhs
Rate of Return	: 27 %
Break Even Point	: 46 %

A Business Plan for Ferric Pyrophosphate (Food Grade/Pharma Gade)

Ferric pyrophosphate is a phosphate-iron compound that is used as a food additive, dietary supplement and in pharmaceuticals. It has a number of health benefits including reducing the risk of anaemia and maintaining blood sugar levels. It can also be found in breakfast cereals, energy drinks, and some canned foods. Food grade ferric pyrophosphate is used to add iron to food products as an iron source for people who have difficulty obtaining it from their diets. It is especially beneficial to vegans and vegetarians who don't eat meat or animal products. Pharma grade ferric pyrophosphate is a more refined form of the compound used in drugs, supplements and other pharmaceutical products.

Benefit of Ferric pyrophosphate

Ferric pyrophosphate (FPP) is a mineral supplement used to improve iron levels in the body. It has been gaining popularity in recent years due to its numerous health benefits. FPP is an excellent source of iron, which is essential for maintaining healthy red blood cells and supporting a strong immune system. It helps to reduce symptoms of

anaemia, fatigue, and weakness due to iron deficiency. With its numerous health benefits, it is no wonder why the ferric pyrophosphate business is booming.

Global Ferric Pyrophosphate Market

Due to the COVID-19 pandemic, the global Ferric Pyrophosphate market size is estimated to be worth USD million in 2022 and is forecast to a readjusted size of USD million by 2028 with a CAGR during the review period. Fully considering the economic change by this health crisis, Yellow Powder accounting for the Ferric Pyrophosphate global market in 2021, is projected to value USD million by 2028, growing at a revised CAGR in the post-COVID-19 period.

PROJECT COST ESTIMATE	
CAPACITY:	
<i>Ferric Pyrophosphate Anhydrous (Food Grade)</i>	: 420 MT Per Annum
<i>Ferric Pyrophosphate Nonhydrate (Pharma Grade)</i>	: 180 MT Per Annum
Plant & Machinery	: ₹ 8 Lakhs
Cost of Project	: ₹ 96 Lakhs
Rate of Return	: 28 %
Break Even Point	: 64 %

Conclusion

As more people become aware of the health benefits associated with ferric pyrophosphate, demand for this essential mineral is growing significantly. With increased demand comes increased prices, making ferric pyrophosphate an attractive business opportunity for those looking to capitalize on this booming industry.

Industrial Township

Industrial Township provides facilities like, parks, community halls, library, shopping centers, banks, post offices etc. In the Indian context, an "Industrial Park" means a project in which plots of developed space or built up space or a combination with common facilities and quality infrastructure facilities is developed and made available to the units for the purposes of industrial activities or commercial activities.

Industrial development is one of the important drivers of economic growth in India. India is targeting industrial growth rate of 12 to 14% in the medium run and contribution of industrial sector to national GDP by 25% creating 100 million additional jobs by 2022. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE	
CAPACITY :	
<i>Type 1 Industrial Plots Area 500 sq.mt. each</i>	: 80 Nos./Annum
<i>Type 2 Industrial Plots Area 1000 sq.mt. each</i>	: 40 Nos./Annum
<i>Type 3 Industrial Plots Area 2000 sq.mt. each</i>	: 20 Nos./Annum
<i>Type 4 Industrial Plots Area 5000 sq.mt. each</i>	: 8 Nos./Annum
<i>Residential Apartment 2 BHK 112.42 sq.mt. each</i>	: 120 Nos./Annum
<i>Residential Apartment 3 BHK 161.9 sq.mt. each</i>	: 96 Nos./Annum
Plant & Machinery	: ₹ 69 Lakhs
Cost of Project	: ₹ 21024 Lakhs
Rate of Return	: 30%
Break Even Point	: 14%

Market Survey Cum Detailed Techno Economic Feasibility Report on all above Businesses are Available. Contact :

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Setup plant of Mica Powder from Mica Deposits

Mica powder is a fine, powdery mineral that is made from mica deposits. Mica is a type of natural rock that is composed of various minerals including silicon dioxide, magnesium, and aluminium. It has been used for centuries in various products due to its special qualities such as shine, light reflectivity, and colour range. Mica powder is created through a process called micronization where the mica is grinded into a fine powder.

How is Mica Powder made from Mica Deposits?

Mica powder is made from mica deposits that are mined from the earth. The mica mineral is first extracted from the deposit and then further processed to extract the mica flakes, which are then ground into a fine powder. The mica powder is often used in cosmetics, paints, and other products due to its versatility and high-shine finish.

Benefits and Uses of Mica Powder

Mica powder is also used in cosmetics, jewellery, pottery, and more. The main benefit of mica powder is its versatility. It can be used as an ingredient in almost any kind of project. In cosmetics, mica powder can be used to add shimmer and depth to makeup. It can also be used to create lip gloss, eyeshadow, nail polish, and more. In pottery, mica powder is often used to add

colour and texture to clay.

Global Market Outlook

The global mica powder market is expected to grow from USD 1.02 Billion in 2017 to USD 1.48 Billion by 2030, at a CAGR of 4.5% from 2017 to 2030. The growth of the market can be attributed to the increasing demand for mica powder in various industries such as plastics and automotive industry.

PROJECT COST ESTIMATE CAPACITY

Mica Powder	: 40 MT Per Day
Plant & Machinery	: ₹ 296 Lakhs
Cost of Project	: ₹ 2684 Lakhs
Rate of Return	: 24 %
Break Even Point	: 51 %

Conclusion

The mica powder business is booming right now, it is an incredibly versatile product that has many beneficial uses and is a cruelty-free, sustainable choice. It is becoming increasingly popular among cosmetic manufacturers and crafters alike. Whether you are looking to create makeup products or craft projects, mica powder can help you achieve beautiful results. With so many advantages and applications, it's no surprise that the mica powder business is booming right now.

A Complete Business Plan for Lithium Ion Battery (Battery Assembly)

Lithium ion batteries are the most widely used power source in portable electronics, such as cell phones, tablets, laptops, and even electric vehicles. They're used in these gadgets because they're light and have a high energy density, which means they pack a lot of power into a small package. However, the process of building lithium ion batteries involves many distinct phases, and it can be difficult to ensure that each component is fitted correctly so that the batteries work well when you use them later.

- (1) Li-ion batteries are commonly found in cameras and calculators.
- (2) They're in cardiac pacemakers and other implantable medical devices.
- (3) Telecommunications equipment, instruments, portable radios and televisions, and pagers all use them.
- (4) They're used in laptop computers, cell phones, and aerospace applications.

During the forecast period of 2018-2023, the India lithium-ion

PROJECT COST ESTIMATE

CAPACITY

Capacity	: 150 Nos Per Day
Plant & Machinery	: ₹ 155 Lakhs
Cost of Project	: ₹ 708 Lakhs
Rate of Return	: 27%
Break Even Point	: 63%

battery market is expected to grow at a robust CAGR of 29.26%. The Indian automobile industry is one of the most important in the country, accounting for roughly 7% of the country's GDP. In April-March 2017, the industry produced 25.31 million vehicles, including commercial, passenger, two, and three-wheeled vehicles, and commercial quadricycles, compared to 24.01 million in April-March 2016.

The Indian automobile industry is one of the most important in the country, accounting for roughly 7% of the country's GDP. In April-March 2017, the industry produced 25.31 million vehicles, including commercial, passenger, two, and three-wheeled vehicles, and commercial quadricycles, compared to 24.01 million in April-March 2016.

Start Production of Tantalum Powder from Tantalite Ore

Tantalum is a rare transition metal that is mined from columbite-tantalite, which is an ore found in various parts of the world. The metal is particularly known for its high melting point and its resistance to corrosion, making it an ideal choice for many applications in a wide range of industries.

Uses and Application of Tantalum Powder

Tantalum powder is also used in the production of medical equipment, such as implants and prostheses. The unique properties of tantalum make it an ideal material for medical devices as it does not corrode and is biocompatible with the human body. In addition, tantalum powder is used in the production of jewellery and decorative items. The powder can

PROJECT COST ESTIMATE CAPACITY

Tantalum Powder	: 4 MT Per Day
Plant & Machinery	: ₹ 235 Lakhs
Cost of Project	: ₹ 1935 Lakhs
Rate of Return	: 28 %
Break Even Point	: 51 %

be formed into intricate shapes and patterns, giving jewellery and other decorative items a unique and eye-catching look.

Scope in Tantalum Industry

With the increasing demand for tantalum in the electronics industry, there is a significant opportunity for startups to capitalize on the booming tantalum trade industry. Due to its

relatively low cost and wide range of applications, tantalum has become an increasingly popular material for electronic products. Startups can explore the tantalum market to find new applications and uses for this material. There are currently a number of tantalum-based products, but there could be many more opportunities for new entrepreneurs. With some research and development, startups can come up with unique and innovative ways to use tantalum in different industries, such as automotive and aerospace.

Global Market Outlook

The Tantalum market size is estimated to reach a value of US\$451.6 million by the end of 2027 after growing at a CAGR of 4.5% during the forecast period 2022-

2027. Asia-Pacific dominates the Tantalum market size, the increase in demand from end-user sectors, such as electronics, aerospace and medical equipment, is the main factor driving the region's growth.

Assessment

Tantalum powder is an important metal with many applications in a wide range of industries. It is an excellent choice for industries such as electronics, aerospace, and medical sectors. The process of extracting tantalum from tantalite ore can be complicated, but the resulting tantalum powder is worth the effort. As technology advances and the need for new materials increases, tantalum powder from tantalite ore will continue to be an important commodity in the global marketplace.

Market Survey Cum Detailed Techno Economic Feasibility Report on all above Businesses are Available. Contact :

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Manufacturing Business of Silica Gel Crystal & Beads from Sodium Silicate and Sulphuric Acid

Silica Gel crystals & beads from sodium silicate and sulphuric acid are small porous granules made of silica. The process of manufacturing these granules starts with combining sodium silicate (Na₂SiO₃) and sulphuric acid (H₂SO₄) in a reactor, where the liquid reaction product is filtered and dried. The result is a fine powder which can be shaped into granules of different sizes. The crystals are highly absorptive and have an affinity for water and other volatile compounds, which makes them ideal for numerous industrial applications.

Uses and Application

Silica gel crystals and beads from sodium silicate and sulphuric acid have many uses. They can be used to protect items from corrosion, mildew and mold by eliminating moisture from the air. In addition to providing moisture control, silica gel crystals & beads are also used for

various other purposes. They can be used as an abrasive to polish metals or remove paint and rust, as a fertilizer for plants, as an additive in cat litter, as an ingredient in soap and cosmetics, and for food preservation. The technology behind silica gel crystals and beads is also very useful for industrial applications. Silica gel has a high adsorption capacity which makes it an ideal material for chemical processing, such as oil and gas production, water treatment, and pharmaceutical manufacturing.

Indian Market Outlook

India is one of the world's largest consumers of silica gel and beads. It is used for various applications such as for moisture control, gas absorption, and chemical analysis. The Indian market for silica gel and beads is expected to grow at a CAGR of 5% from 2018 to 2025. It can be said that the Indian market for silica gel and beads holds a bright

future ahead. With the increasing demand from various industries and the presence of major global players, it can be expected that the market will witness strong growth over the next few years.

Global Market Outlook

Silica Gel Market was valued at USD 946 million in 2020 and it is expected to reach USD 1261 million by the end of 2027, growing at a CAGR of 4.2% during 2021-2027. Increasing use of silica gel in the pharmaceutical industry for packaging to protect medicines from moist environment and thus getting decomposed or dissolved is expected to be a crucial success factor. Robust pharmaceutical manufacturing base in North America in light of supportive government regulations and expenditure on the healthcare

industry will have a positive impact.

Conclusion

The business of producing silica gel crystals and beads from sodium silicate and sulphuric acid is booming. This is because of the many uses for these materials in a wide variety of industries. Not only are silica gel crystals and beads from sodium silicate and sulphuric acid used in the manufacture of everyday items such as cosmetics, pharmaceuticals and food items, but they are also used for industrial applications such as water purification, oil and gas drilling and for pollution control.

PROJECT COST ESTIMATE

CAPACITY

Silica Gel Crystals & Beads	: 1000 MT Per Annum
Plant & Machinery	: ₹ 504 Lakhs
Cost of Project	: ₹ 912 Lakhs

Solar Panel (Including both type of the PV Cells: Polycrystalline and Monocrystalline)

A solar panel is made up of several solar modules that are wired together in series and parallel to give a certain voltage and current to charge a battery.

Photovoltaic panels make up the solar array of a photovoltaic system, which generates and distributes solar power in commercial and residential settings. The DC output power of each module is rated under conventional test conditions and typically ranges from 100 to 365 watts.

A single solar module can only provide a certain quantity of energy; therefore, most setups use numerous modules. A photovoltaic system consists of a panel or array of solar modules, a solar inverter, and, in certain cases, a battery and/or solar tracker, as well as interface cable.

A photovoltaic (PV) module is a pre-assembled, plug-and-play assembly of 6-10 solar cells. Solar photovoltaic panels make up the solar array of a photovoltaic system, which generates and distributes solar

PROJECT COST ESTIMATE	
CAPACITY:	
<i>Solar Panel</i>	: 140 MW
<i>Mono Crystalline Solar PV Module Capacity</i>	: 250 Watt 466.8 Nos. Per Day
<i>Mono Crystalline Solar PV Module Capacity</i>	: 320 Watt 364.6 Nos. Per Day
<i>Poly Crystalline Solar PV Module Capacity</i>	: 250 Watt 466.8 Nos. Per Day
<i>Poly Crystalline Solar PV Module Capacity</i>	: 320 Watt 364.6 Nos. Per Day
Plant & Machinery	: ₹ 36.35 Cr
Cost of Project	: ₹ 63.46 Cr
Rate of Return	: 30%
Break Even Point	: 44%

power in commercial and residential settings. The DC output power of each module is rated under conventional test conditions and typically ranges from 100 to 365 watts.

A single solar cell will not be able to deliver the necessary usable output. To boost the output power of a PV system, a number of such PV Solar Cells must be connected. A solar module is typically made up of a sufficient number of solar cells that are connected in series to generate the requisite standard output voltage

and power.

Large-scale solar applications, such as commercial and residential solar systems, typically use monocrystalline solar panels. They can also be used for smaller-scale applications, and the panel size is determined by the application.

The most widely utilised PV panels on the planet are polycrystalline solar panels. They come in a variety of power levels, ranging from 5 W to 250 W or more, and can be used in both

home and commercial settings.

In the projected period 2021-2028, the global solar power market is estimated to increase at a CAGR of 6.9%, from \$184.03 billion in 2021 to \$293.18 billion in 2028.

With the unrelenting shift toward renewable energy, the worldwide solar panel industry is accelerating. China, the world's largest exporter of solar panels, will benefit from strong global demand, while domestic sales may decrease as tariff subsidies are reduced. Because solar cells are becoming more affordable and suburban building is becoming stronger, the United States is seeing a rise in solar power output.

Due to the rapid adoption of solar generation capacity, the EU, Asia-Pacific, Mexico, and Australia are also emerging as the most attractive markets. Distributed solar photovoltaic systems for residential, commercial, and industrial buildings appear to be a growing business segment around the world.

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- » Adhesive (Fevicol Type) Water Proofing Grade
- » Adhesive from Maize Starch
- » Adult Pull-up Diapers
- » Agar Agar (Bacteriological Grade)
- » Agarbatti (Incense Sticks)
- » Alcohol Based Fuel Gel
- » Aloe Vera Gel & Powder
- » Aluminium Cans for Brewery
- » Aluminium Foil
- » Aluminium Foil Rolling Mill with PP Caps
- » Aluminum Gravity Casting
- » Amla (Gooseberry) Powder
- » Apparel
- » Apple Chips



- » Ark of Ajwain, Pudina, Saunf & Gulab (Extracts of Carom Seeds, Mint, Fennel & Rose)
- » Aromatic Herbal Shampoo
- » Aromatic Perfumery Compound
- » Atta Chakki
- » Automatic Modern Chilli Powder Plant
- » Automatic Packaged Drinking Water
- » Automatic Papad Plant
- » Ayurvedic Pain Balm (Ointment)
- » Ayurvedic Pharmacy
- » Baby & Adult Diaper & Sanitary Pads
- » Baby Cereal Food
- » Banana Plantation
- » Banana Powder
- » Banana, Onion, Orange and Tomato Powder



- » Barley Malt
- » Beer Plant
- » Beer, Wine & Whiskey (From Pineapple)
- » Beetroot, Sapota, Dragon Fruit, Jamun and Green Peas)
- » Bicycle and Cycle Rickshaw
- » Bicycle Tyres & Tubes from Natural Rubber
- » Bio-Plastic Products (Glasses, Plates and Bags)
- » Black Braided Silk Sutures (Non Absorbable Surgical Suture)
- » Black Pepper Oil
- » Blood Bags
- » Button Mushroom Cultivation
- » Canvas Shoes



Market Survey Cum Detailed Techno Economic Feasibility Report on all above Businesses are Available. Contact :

NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2015 CERTIFIED COMPANY

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SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT

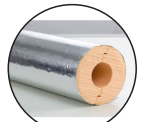
- » Carbonated and Non-Carbonated Drinks (Non-Alcoholic)
- » Cardanol Production from Cashew Nut Shell Liquid (CNSL)
- » Cashew Cultivation
- » Cashew Nut Processing Unit
- » Cashew Nut Processing with CNSL
- » Cashew Nut Shell Oil Production
- » Cement Water Proofing Compound
- » Cheese Analogues
- » Chilli Oil
- » Chilli Oil from Red Chilli
- » Chilli Oleoresin
- » Chocos (Ready-to-Eat Breakfast Cereal Food)
- » Citronella Oil Extraction (Steam Distillation Process)
- » Coconut Oil from Copra
- » Condoms
- » Condoms (Lubricated)
- » Cosmetics Manufacturing Unit Perfume Gel, Nail Polish Remover Liquid, Hair Gel, Face Wash Gel, Face Cream, Talcum Powder, After Shave Lotion Liquid, Shaving Cream Gel and Hand Wash Gel
- » Cotton Yarn from Waste Yarn
- » Cover All Boiler Suits
- » Craft Beer
- » Cultivation and Super Critical Oil Extraction (Chilli, Ginger and Large Cardamom)
- » Curcumin
- » Curcumin (Turmeric) The Indian solid gold
- » Curcumin Extraction Unit
- » Curcumin from Turmeric
- » Curry Leaves Essential Oil Extraction
- » Curry Powder
- » Dairy Farming with Breeding and Dairy Products
- » Dal Mill (Pulses)
- » Dehydrated Onion
- » Dehydrated Vegetables, Mushroom and Soup
- » Detergent Cake & Powder
- » Diabetic Food
- » Diaper (Baby and Adult) and Sanitary Napkins
- » Dish Wash (Liquid & Soap Bar) and Detergent (Liquid Soap Bar and Powder)
- » Disposable Baby Diaper
- » Disposable Plastic Syringes
- » Disposable Plastic Syringes with Needles
- » Disposable Surgical Masks
- » Dry Fruits Processing (Cashew, Almond, Walnut, Raisins and Figs)
- » Dry Fruits Processing (For Snack, Almond, Pistachio and Cashew Nut)
- » Drying of Tropical Fruits (EQU) (Pineapple, Mango, Banana, Papaya & Coconut)
- » Edible Oil Refinery from Crude Palm Oil
- » Egg Powder
- » Electronic Digital Weighing Machine
- » Electronic Toys
- » Essential Oil
- » Essential Oil Extraction (Jasmine and Tuberose)
- » Essential Oil from Flowers and Leaves
- » Exercise Note Books
- » Export House
- » Extraction of Essential oil and Packing of Ground Spices
- » Extraction of Essential Oil from Black Pepper
- » Extraction of Methi (Fenugreek) Seed
- » Extraction of Oil from Rajnigandha
- » Extraction of Spice Oleoresin (Chilly)
- » Fish Flavoured Chips
- » Flavoured Nuts
- » Flavoured Raisins
- » Floor Cleaners
- » Floral Foam
- » Floral Foam (Phenolic Foam) with Resin
- » Fractional Distillation of Essential Oils and Medicinal Plant Extracts
- » Freeze Dried Products- Fruits & Vegetables (Dry Banana, Mango, Custurd Apple, Freeze Dried Vegetables)
- » Freeze Dried Vegetables
- » Fresh Dips
- » Frozen Foods, Fresh Produce, Purees & Sauces



- » Fruit Juice (Apple, Plum and Peach)
- » Fruit Juice (Mango, Oranges, Litchi) & Sugarcane Juice with Aseptic Packaging & Pet Bottle Packaging
- » Fruit Juice Factory
- » Fruit Juice in Aseptic Packaging
- » Fruit Processing (Mango & Pomegranate Juice)
- » Fruit Pulp. Mango Pulp, Guava Pulp, Pomegranate Pulp, Papaya Pulp
- » Fruits & Vegetables Powder (Tomato, Onion, Mango, Pomegranate and Papaya Powder)
- » Fully Automatic Match Box with Match Sticks (Wooden Match Sticks & Waxed Strips)
- » Gelatin Capsules Soft and Hard (Vegetable and Non-Veg Base)
- » Geraniol Derivative and Alcohol Extract of a Pinene
- » Ginger Oil
- » Ginger Paste in Pouch
- » Ginger Powder
- » Glass Reinforced Concrete
- » Gourmet Popcorns (Popped Corn, Popcorns or Pop-Corn)
- » Grain Based Alcohol Distillery
- » Granite Cutting and Polishing
- » Grapes Packhouse for Exports
- » Grapes Packing for Exports with 100 MT Cold Storage
- » Green Peas Processing and Preservation
- » Groundnut Oil
- » Growing Of Fruits and Manufacturing of Natural Juices
- » Hair Color Manufacturing with Formula
- » Hair Dye & Colourants
- » Hard Stains Remover Liquid, Detergent Powder
- » Herbal Body Care Beauty Products (Herbal Body Wash, Shampoo, Hair Conditioners, Soaps, Lotions and Scrubs)
- » Herbal Cosmetics (Shampoo, Conditioner, Face Wash, Body Wash, Massage Oil, Hair Oil, Face Cream, Massage Cream, Lip Balm)
- » Herbal Health Drink
- » Honey Processing
- » Hosiery Industry (Ganji, Baniyan & Underwear)
- » Hosiery Manufacturing
- » Hosiery Products (Vest, Briefs, T-Shirts & Socks)
- » How to Start Personal Care Products
- » Hydroponic Green House Farming
- » Incense Sticks
- » Indian Kitchen Spices
- » Indigo Dyes
- » Instant Noodles
- » Instant Tea
- » Integrated Sericulture
- » Integrated Sugar Plant (Cultivation Of Sugarcane, Co Generation & Distillery)
- » Iodised Salt
- » IV Fluid (Automatic Plant)
- » Jeans
- » Jeans & Jackets (Denim), Readymade Garments
- » Jeans Manufacturing Unit
- » Jute Garments
- » Jute Shopping Bags
- » Jute Yarn, Jute Sutli & Hessian Cloth Weaving Integrated Unit
- » Knitted Fabric
- » Ladies under Garments
- » Latex Condom
- » Leather Garments
- » Leggings Manufacturing
- » Liquid Glucose from Broken Rice
- » Liquid Organic Fertiliser (Biofertiliser)
- » Liquid Washing Soap, Perfumed Bleach for the Wash of White Cloths, Toilet Tills
- » Liquor from Mahua (Wine and Hard Liquor)
- » Macaroni, Vermicelli, Noodles and Instant Noodles with Tastemaker
- » Maize Processing (Glucose, Sorbitol and Oil)
- » Maltodextrin
- » Mango Papad (Aam Papad)
- » Mango Pickles
- » Mango Pulp & Slices



- » Mango Pulp with Cold Storage
- » Manufacture of Celery Seed Oil
- » Manufacturing of Frozen Layer Paratha (Fried dough food- flatbread native to the Indian subcontinent)
- » Manufacturing of Jeans, Trousers, T-Shirts and Kids Garments
- » Masala Powder
- » Masala Powder and Chilli Powder
- » Medical Disposables: Disposable Syringes (Self Destructive) with Needles, Catheters and Mask
- » Menthol Crystals-Bold (EQU)
- » Metalised Colour PVC and Metalised Rainbow PVC Sequence and Sparklers
- » Micronutrients Fertilizer
- » Mink Blankets
- » Moringa Oleifera (Drumstick) Powder
- » Mosquito Repellent Liquidator, Vaporiser (All Out type)
- » Mosquito Repellent Candle
- » Mosquito Repellent Coil
- » Mosquito Repellent Liquidator
- » Mouth Freshener (Sounf, Supari, Elaichi Flavoured & Coloured in Pouch)
- » Multiblade Safety Razor
- » Mustard Oil Mill
- » Namkeen (Dalmoth, Bhujia, Chana Chur and Khatta Meetha)
- » Natural Food Colours
- » Oleoresins of Spices by Steam Distillation Process
- » Onion Powder
- » Packaging of Tomato Paste
- » Palmarosa Grass Oil
- » Paper Napkins, Toilet Paper Rolls & Facial Tissues
- » Paper Shopping Bags, Cups, Glass & Envelopes
- » Pasta and Macaroni
- » Peanut Butter
- » Peanut Candy (Peanut Patti, Gajak)
- » Peanut Oil
- » Perfumery Compounds Manufacturing and Formulation
- » Pesticides from Neem Seeds & Leaves
- » PET Preform
- » Pharmaceutical Grade Sugar
- » Pharmaceutical Unit (Tablet and Capsules)
- » Phenolic Foam
- » Pickle Manufacturing
- » Pickles (Various Types)
- » Pickles, Murabbas, Sauces & Squashes
- » Plain Corn Flakes & Coated Choco Flakes
- » Plastic Cards for Telephone
- » Plastic Optical Lenses
- » Polymer Pencil
- » Pork Products
- » Potato Flakes and Pellets
- » Potato Powder (Automatic Plant)
- » Potato Powder, Flakes and Pellets
- » Potato Products (Potato Balls, Nuggets and French Fries)
- » Powder Dehydrated Beetroot Powder, Dehydrated Carrot Powder
- » Precipitated Silica from Rice Husk Ash
- » Preservative Free Jam (Fruit Spreads) & Organic Jam Making
- » Printed Paper Shopping Bags
- » Production of (Mirchi Powder, Turmeric Powder, Sambhar Powder, Biryani Masala)
- » Profitable Dry Fruits Processing
- » Protein
- » Puffed Rice (Muri)
- » Rajnigandha & Rose Flower Plantation with Oil Extraction
- » Razor Blade
- » Ready Made Garments
- » Ready to Eat Food (Retort Packing)
- » Readymade Garments
- » Readymade Garments (Jean Trousers & Shirts)
- » Readymade Garments, Clothing
- » Rice Flakes (Thin Poha) and Puffed Rice (Murmura-)



SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT

- » Rice Milling Unit
- » Roasted Salted Cashew Kernel from Cashew Nut
- » Roller Flour Mill
- » Rose Oil Extraction
- » Rose Plantation and Rose Oil Extraction
- » Sanitary Napkin & Baby Diapers
- » Sanitary Napkins
- » Sanitary Napkins (Low Cost Project)
- » Semi Processed Canned Vegetable
- » Shiitake Mushroom
- » Silicone Spray
- » Socks Manufacturing
- » Solar Panel
- » Spice Oil Extraction from Curry Leaves
- » Spice Powder (Turmeric, Chilli, Pepper, Coriander and Cumin Powder)
- » Spice Powder-Masala Powder (Cryogenic Grinding) Production of (Turmeric, Red Chilli, Coriander, Cumin, Cardamom, Cloves, Cassia, Shah Jeera, & Nutmeg Mace Powder)
- » Spices
- » Spices (Masala)
- » Spices (Turmeric Powder, Red Chilli Powder, Dhaniya Powder, Garam Masala, Sabji Masala, Popcorn Masala)
- » Spices (Turmeric, Red Chilli, Dhaniya and Jeera Powder)
- » Spices and Masala Grinding, Blending and Packing
- » Spices in Pouch Packing



- » Spices- Masala Powder Spices Powder, Blended Spices and Readymade Mixes
- » Spices Production Unit (Turmeric, Chilli & Masala Powder)
- » Spray Dried Fruit and Vegetables Juice Powder Vegetables and Fruit Juice Powder (Spray Dried Pineapple Juice Powder, Spray Dried Orange Juice Powder, Dehydrated Beetroot Powder, Dehydrated Carrot Powder)
- » SS Fasteners
- » Start a Namkeen Factory. Salted Packaged Food Industry
- » Sterile Water for Injection with BFS Technology
- » Stuff Toys
- » Sugarcane Juice Preservation and Bottling Plant
- » Surgical Hand Gloves
- » Surgical Hand Gloves and Mackintosh Sheets (Hospital Rubber Sheet)
- » Sweat Free and Antibacterial Socks
- » Sweet Supari
- » Synthetic Floats for Fishing Industry
- » Tamarind Based Products- Tartaric Acid, Food Colour, Crude Pectin, Tamarind Oil, Tamarind
- » Tea Blending and Packaging
- » Tea Packaging Unit (Blending and Packing)
- » Tejpatta Oil (Bay Leaf Oil)
- » Tissue Paper from Recycled Paper
- » Toffee (Confectionery Industry)
- » Tomato Paste (Tomato Concentrate)



- » Tomato Products Tomato Ketchup, Sauce and Soup
- » Tomato Puree and Fruit Concentrate with Hot Break Process
- » Toothpaste
- » Trading Business (Export & Imports)
- » Trousers Fabrication Unit
- » Turmeric Powder, Coriander Powder and Chilli Powder Processing
- » Turmeric, Dhania and Chilli Powder
- » Tyres (For Three Wheelers and Medium Size Four Wheelers)
- » uPVC Pipes
- » uPVC Profiles for Doors and Windows
- » Vacuum Fried Snacks Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot)
- » Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot)
- » Vanilla Farming
- » Vegetables and Fruit Juice Powder Spray Dried Pineapple Juice Powder, Spray Dried Orange Juice
- » Virgin Coconut Oil
- » Viscose Filament Yarn
- » Vitamin 'C'
- » Women Lingerie-Ladies Undergarments (Bra & Panties)
- » Wood Plastic Composite (WPC)
- » Yarn, Fabric & Garments Production using Solar Charkha & Solar Looms
- » Zarda



npcs Lucrative Business Ideas for Startup

Manufacturing Business of Soda Ash

By Solvay Process (without using limestone)

Soda ash, also known as sodium carbonate, is an essential chemical used in various industrial applications. It can be produced naturally or synthetically, and is commonly extracted from either the trona ore or limestone. However, what many people may not know is that there is another process that can be used to produce soda ash: the Solvay process without the use of limestone.

Scope in This Industry

The use of soda ash in various industries is continuously increasing, and this has created a great opportunity for entrepreneurs to consider launching a business in this field. The process of producing soda ash from solvay without the use of limestone is one that has grown in popularity over the years.

Indian Market Outlook

The Indian market for soda ash is growing rapidly, with the industry expected to expand by 10 % each year. India has already established itself as the third-largest producer of soda ash in the world. This is due in part to the country's vast supply of raw materials, such as limestone and salt, as well as the availability of relatively low-cost labour. Indian government policies have encouraged the development of large-scale soda ash producers, which in turn has resulted in lower prices for consumers. This, combined with rising demand from China, has contributed to the overall growth of the Indian soda ash industry.

Global Market Outlook

The global soda ash market size was valued at USD 11000.00 million in 2021 and is anticipated to

PROJECT COST ESTIMATE	
CAPACITY:	
Soda Ash (Na2CO3)	: 200,000 MT Per Annum
Ammonium Chloride (NH4Cl)	: 200,000 MT Per Annum
Plant & Machinery	: ₹ 1325 Cr.
Cost of Project	: ₹ 1469 Cr.
Rate of Return	: 13 %
Break Even Point	: 36 %

witness a compound annual growth rate (CAGR) of 6.2% from 2022 to 2030. Soda ash is utilized as a raw material in many different industries, including agriculture, the production of paper and pulp, soap and detergent, and glass. Soda ash can also be used to soften water and clean the air. Soda ash is increasingly in demand as a purging agent for hydrochloric acid and sulphur dioxide recovered from stacked gasses as environmental concerns grow. Due to sodium carbonate's high solubility, it can be used in various chemical processes.

Conclusion

Soda ash from solvay process without limestone is an effective and efficient method for producing soda ash. It offers the advantage of having a high yield with low energy consumption and minimal environmental impact. Furthermore, the process does not require the use of limestone, making it both cost-efficient and beneficial to the environment. This method of soda ash production has the potential to be a reliable and sustainable source for production in the future.

Hybrid Electric Scooter Assembling

A plug-in hybrid electric vehicle (PHEV) is an HEV that can be plugged-in or recharged from wall electricity. PHEVs are distinguished by much larger battery packs when compared to other HEVs. The size of the battery defines the vehicle's All Electric Range (AER), which is generally in the range of 30 to 50 miles. PHEVs can be of any hybrid configuration. PHEVs start in 'all electric' mode, runs on electricity and when the batteries are low in charge.

India electric scooters and motorcycles market size valued at \$24.6 million in 2016, it is expected to grow at a CAGR of 45.4% during 2017- 2025. Some 4,50,000 electric two-wheelers were sold in India in the past eight years. The potential of electric vehicles in this segment is massive, say industry executives, given that more than 17 million two-wheelers are sold annually in the country. This facilitates the development of new technologies and ensures a high quality product.

PROJECT COST ESTIMATE	
CAPACITY	
Hybrid Electric Scooter	: 50 Nos./Day
Plant & Machinery	: ₹ 95 Lakhs
Cost of Project	: ₹ 279 Lakhs
Rate of Return	: 34%
Break Even Point	: 74%

Demanding Business of E-Rickshaw Assembling

ERickshaws are three wheel battery operated vehicles, which are considered as an upgrade to conventional rickshaws, and economically better than auto rickshaws and other fuel variants, these rickshaws, since are battery powered have zero emission, and is often argued to be much better than other rickshaws as they are considered almost pollution free. An E rickshaw is now fairly popular rickshaw drivers and has created new opportunities for people, as they require minimum investment to earn a living. They offer huge returns in less time, and are easy to operate and have low maintenance and running cost.

E rickshaws are now one of the preferred modes of transport in streets because of its low maintenance cost, low fuel cost, Eco-friendly, no noise pollution, easy to drive and last but not the least livelihood, e-rickshaw is a boon to the common man. Without putting in much physical efforts and without investing much amount of money, the earning is quite good for an e-rickshaw driver and hence it is an important means of livelihood for

many. These e-rickshaws consist of 3 wheels with a differential mechanism at rear wheels. Basically these vehicles have a mild steel tubular chassis.

Advantages of E-Rickshaws

- Eco-Friendly – E-Rickshaws can be the best alternative to petrol or diesel run vehicles as they are operated on battery. These rickshaws do not emit smoke and thus, will not contribute to the increasing air pollution. The batteries which will be used for the functioning of these rickshaws can be effectively recycled and thus, will solve the problem of battery disposal.

- Economical – E-rickshaws are comparatively cheap and can be easily afforded by a common man. Passengers will have to pay a less transport charge. It is cost effective not only for the consumers but also for the owners. The batteries can be easily recharged from home or from any place that provides a proper voltage.

- Free from Noise Pollution – E-rickshaws are free from creating noise pollution as they do not emit any sound. Passengers can have a

smooth and comfortable ride.

- Livelihood – E-rickshaws provide a means of livelihood for the common as well as illiterate people. Without investing much of money, the e-rickshaw drivers can earn a good livelihood.

- Safety – E-rickshaws involve less risk when compared to the other fuel operating vehicles. They can cause less accident as they are slower and lighter than an auto rickshaw. There is a chance of explosion in the case of fuel operating vehicles.

- Easy Maintenance – As they use electricity, they do not require fuel to operate the engines. E-rickshaws are free from an engine and a gear box and thus, the burden of maintenance is reduced. The motor which is used in these rickshaws is smaller and the battery is placed below it. Hence, maintaining them is quite easier.

The global e-Rickshaw market is projected to expand at around 9% CAGR during the upcoming period. The growth of the market is attributed to low cost of transportation and low power consumption. E-rickshaws are widely accepted as an alternative to

PROJECT COST ESTIMATE

CAPACITY

E-Rickshaw	: 200 Nos Per Day
Plant & Machinery	: ₹ 2.06 Cr.
Cost of Project	: ₹ 25.80 Cr.
Rate of Return	: 30%
Break Even Point	: 68%

diesel, petrol, CNG auto rickshaws. Increasing awareness about the air pollution and other environmental issues which can be reduced by using the e-rickshaws. In the e-rickshaw the main electronic components that make the drive are controller, motor, batteries, harness and throttle. The mismatch between any of these components is nasty and may reduce performance. The global e-Rickshaw market is projected to expand at around 9% CAGR during the period. The growth of the market is attributed to low cost of transportation due better mileage and low power consumption. Increase in sales and production of electric vehicles as an alternative for fuel-based mobility, owing to several government initiatives and environmental regulations on the electric vehicle industry, is projected to drive the e-rickshaw market.

Radiator / Engine Coolant

The internal combustion engine is a heat engine, in which chemical energy of fuel is converted into heat energy by combustion and this heat energy is intern converted into mechanical energy. The coolant used in this cooling system must fulfill the requirement of the engine, which is basically the removal of one third of heat produced during combustion of fuel.

In addition to automotive cooling systems, there are many areas where antifreezers are used. Stationary engines used in

pipeline service or other industrial applications need both freeze protection and corrosion prevention for the cooling system. This coolant is used mainly for cooling of engines. The different percentage, when added with water gives different maximum and minimum temperature limit.

There is a good scope for new entrants.

PROJECT COST ESTIMATE

CAPACITY

Capacity	: 500 Ltrs / Day
Plant & Machinery	: ₹ 8 Lakhs
Total Capital Investment	: ₹ 56 Lakhs
Rate of Return	: 48%
Break Even Point	: 38%

FORM IV (See Rule 8)

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I Ajay Kr. Gupta hereby declare that the particular given above are true to the best of my knowledge and belief.

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