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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.



Most Growing Industries to Start a New Business

Manufacturing Business Plan Auto Piston

Automotive pistons are an integral part of engines. They compress air and force it into a combustion chamber, where fuel is introduced and ignited to produce energy. The compression of the air heats it up, which in turn makes it easier to ignite the fuel-air mixture. The piston in a car engine is a cylindrical plug moving up and down the engine cylinder. It transforms the force of expanding gases in the cylinder into rotation, helping to move a vehicle. The pistons in a car connect to the crankshaft. Together, the piston and crankshaft make the main moving parts of an engine.

Benefits of Starting Automotive Piston Industry

By investing in the automotive piston industry, you can be assured that there will always be a need

PROJECT COST ESTIMATE

CAPACITY:

Aluminium Alloy Piston : 900,000 Nos Per Annum
Dia 50mm

Aluminium Alloy Piston : 900,000 Nos Per Annum
Dia 70mm

Plant & Machinery : ₹ 348 Lakhs
Cost of Project : ₹ 2890 Lakhs
Rate of Return : 36%
Break Even Point : 31%

for your product. This means that you have a built-in customer base and will not have to worry about finding new customers on a regular basis. Plus, with

increasing global demand for cars and trucks, this industry will see significant growth in coming years. Investments in auto pistons now could potentially yield profits for decades to come.

Global Market outlook

The global automotive piston market attained a value of USD 4.6 billion in 2020, driven by rising demand from the automotive industry. Aided by the rising R&D activities, the market is expected to witness a further growth in the forecast period of 2022-2027, growing at a CAGR of 4%.

Conclusion

The automotive piston business has been booming for a number of years now, and it doesn't seem to be slowing down any time soon.

Setting Up Aluminium Cans for Beverages (Two Pieces)

Aluminium cans are one of the most popular containers used in beverage packaging. In fact, they are one of the only types that can be 100% recycled to create new cans. That is used in the beverage industry as a container for soft drinks, beer, and other canned drinks. Aluminium cans are so easy to recycle and can be recycled time and time again while still maintaining its original quality.

Uses and application of Aluminium Cans for Beverages: The cans provide an airtight seal that prevents the beverage from contact

PROJECT COST ESTIMATE

CAPACITY

Aluminium Cans for Beverages : 3,450 Lakh Pcs Per Annum

Each 330 ml Size

Plant & Machinery : ₹ 2605 Lakhs
Cost of Project : ₹ 7760 Lakhs
Rate of Return : 28%
Break Even Point : 40%

with oxygen, preserving its flavor and prolonging its shelf life. Aluminium has low reactivity with food products. Aluminium is lightweight, inexpensive, and recyclable which makes it popular in manufacturing industries

next five years by some 4 – 3.6 per cent CAGR. Along with the demand, the value of the market, as of 2018, was US\$52.21 billion, and by 2024 to reach US\$60.63 billion, registering a CAGR of 2.23% over the forecast

worldwide.

Indian Market Outlook: The demand for aluminium cans was estimated to grow between 3.7 – 4 per cent, and that in the

period. Aluminium cans are the most popular packaging option in India. The demand is largely driven by the fast-moving consumer goods industry and is expected to grow at an annual rate of 5% over the next five years.

Conclusion: The Aluminium Cans for Beverages industry has seen strong growth in recent years. Demand has been largely driven by the shift from glass to cans as a packaging material. The rise in popularity of canned beverages, such as soft drinks, has also stimulated demand.

Start Production of Wire Nails

Wire nails are a type of fastener that is made from wire, typically copper, that has been drawn through a die. They are commonly used in roofing to attach roofing shingles because they can be more easily pounded into the nailing strip than other types of fasteners.

Benefit and Application of Wire Nail

Wire nails are strong, durable, and versatile. They can be used in a variety of different industries from construction to cosmetics. The nails are made from wire rods which are heated up until they become malleable. From there, they're cut into specific lengths which can then be bent into shape. These qualities make wire nails one of the most popular types of nails in use today.

Global Market Outlook

The global wire nail market size was valued at over USD 10 billion in 2016 and is expected to reach USD 13.6 billion by 2023, growing at a CAGR of 4.4% from 2018 to 2023. The global wire nails industry is

PROJECT COST ESTIMATE

CAPACITY:	
<i>Wire Nails</i>	: 48,000 MT Per Annum
<i>Wire Scraps</i>	: 4,500 MT Per Annum
Plant & Machinery	: ₹ 939 Lakhs
Cost of Project	: ₹ 1736 Lakhs
Rate of Return	: 30%
Break Even Point	: 70%

booming. It has been projected that global wire nails production will be between 1.5 and 2 billion pounds! The demand for this product is high because they are stronger than other types of fasteners, such as screws and nails, and can be used in a variety of situations. As a result, there are many production companies that have sprung up to meet the increasing demand for wire nails.

Conclusion

Wire nails are currently one of the most popular types of nails on the market today. They are made from wire, which is a cheaper material to work with than steel or aluminum. The production process for wire nails also has a lower environmental impact as there's no need for mining, smelting, and refining.

Start Manufacturing Business of Chocolate

Chocolate is a delicious food that is produced from cocoa beans. Cocoa beans are a plant that grows in pods on trees. Cocoa pods contain cocoa seeds, which are removed from the pod, fermented, dried, roasted, and then ground into a paste called chocolate

liquor or cocoa mass. The liquid from these processes are combined with sugar and other ingredients to create various types of chocolate products.

Benefits and Uses of Chocolate

Chocolate has been an integral part of many cultures for centuries. Some of the benefits of chocolate include improved cognitive function, reduced stress, increased creativity, and better mood, provide a healthy dose of antioxidants, and even act as an aphrodisiac. Due to these benefits, there has been an increased demand for chocolate in recent years.

Indian Market Outlook

The India chocolate market was worth USD1687.23 million in 2022 and is expected to grow at a CAGR of over 6.69% to reach USD2457.48 million by 2028, on account of growing population and shifting consumer tastes.

Global Market Outlook

The global chocolate market reached a value of US\$ 151.9 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 177.8 Billion by 2027, exhibiting a CAGR of 2.6% during 2022-2027. Global demand for chocolate is expected to increase by nearly 50% in the next 10 years.

PROJECT COST ESTIMATE

CAPACITY:	
<i>Milk Chocolate</i>	: 720,000 MT Per Annum
<i>Dark Chocolate</i>	: 720,000 MT Per Annum
<i>White Chocolate</i>	: 720,000 MT Per Annum
Plant & Machinery	: ₹ 162 Lakhs
Cost of Project	: ₹ 496 Lakhs
Rate of Return	: 29 %
Break Even Point	: 58 %

Business Plan for Production of Double and Single Wall Vacuum Steel Bottles

Double-wall vacuum steel bottles are made of two layers of stainless steel, with a vacuum sealed space between them. The first layer is a higher gauge stainless steel, while the second layer is a lower gauge, creating a hermetic seal that locks out oxygen. This means that the inside of the container will stay pure and unspoiled for longer periods of time than other containers.

Benefits of Vacuum Steel Bottle

Double and Single Wall Vacuum Steel Bottles are great to use because they last longer, keep drinks colder longer, resist stains, won't break when dropped, lighter than glass bottles, do not sweat like glass bottles. They are also good for the environment because they are reusable and can be recycled. These bottles come in a variety of sizes, styles and colors.

Uses and Applications of Vacuum Steel

Vacuum steel is used in a variety of different industries, including construction, industrial and

commercial vacuums, vacuum forming, and packaging. In the construction industry it's used for roofing and cladding, as well as insulation. It can also be found in the form of flooring and ceilings. Vacuum steel is a popular choice for these purposes because of its strength-to-weight ratio, which means that it can be lifted by hand without the use of a crane or other heavy machinery.

Global Market Outlook

Stainless Steel Vacuum Bottle Market In 2022

be more new investments entering the field in the future.

Conclusion

The Double and Single Wall Vacuum Steel Bottle business is an excellent choice for those who want to invest in a booming industry. The demand for these products is expected to grow exponentially in the coming years, which makes this a great time to invest. This can be done by purchasing stocks or by starting your own company.

PROJECT COST ESTIMATE

CAPACITY:	
<i>Double Wall Vacuum Steel Bottles</i>	: 600,000 Bottles Per Annum
<i>Single Wall Vacuum Steel Bottles</i>	: 600,000 Bottles Per Annum
Plant & Machinery	: ₹ 963 Lakhs
Cost of Project	: ₹ 1619 Lakhs
Rate of Return	: 28 %
Break Even Point	: 52 %

(Short Description) : The Stainless Steel Vacuum Bottle market revenue was Million USD in 2016, grew to Million USD in 2020, and will reach Million USD in 2029, with a CAGR of during 2020-2029. Europe also play important roles in global market, with a magnificent growth in CAGR during the Forecast period 2022-2029. Despite the presence of intense competition, due to the global recovery trend is clear, investors are still optimistic about this area, and it will still

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Business Plan for Production of Ready Mix Plaster, Block Jointer, Tile Adhesive and M 20 Concrete (Micro Concrete)

Ready Mix Plaster is a mixture of cement paste and aggregates that is often used in construction to create a concrete surface. Block Jointers use this mixture to form concrete blocks. It is an instrument for straightening up any rough edges on concrete blocks, clay bricks or natural stones.

Uses and Applications

Ready mix plaster is a combination of cement-based material and sand which is mixed together with water. The mixture is then poured into molds to create various shapes such as bricks or

PROJECT COST ESTIMATE	
CAPACITY:	
Ready Mix Plaster 40 Kgs Bag	: 562,500 Nos Per Annum
Block Jointer 20 Kgs Bag	: 750,000 Nos Per Annum
Tile Adhesive 20 Kgs Bag	: 750,000 Nos Per Annum
M20 Concrete (Micro Concrete) 40 Kgs Bag	: 562,500 Nos Per Annum
Plant & Machinery	: ₹ 294 Lakhs
Cost of Project	: ₹ 1342 Lakhs
Rate of Return	: 27 %
Break Even Point	: 51 %

blocks. Ready mix plaster is used in construction as a base for tile or other flooring materials and used in both residential and commercial construction.

Global Market Outlook

The global ready-mix concrete market is projected to grow from USD 792.2 billion in 2021 to USD 1,374.2 billion in 2028 at a CAGR of 8.2% during the 2021-2028 period. The construction industry is one of the largest in the world.

Conclusion

The ready mix plaster industry is booming because it saves construction companies time and money. The demand for these products is on a steady incline because of an increase in construction.

Auto Brake Pad and Auto Brake Shoe Production Business

Auto Brake Pads and Shoes are an important part of the braking system in your car or truck. Auto Brake Pads are designed to stop the vehicle by causing friction with the auto brake shoes when the brake pedal is depressed.

PROJECT COST ESTIMATE	
CAPACITY:	
Auto Brake Pads	: 3,600,000 Nos. Per Annum
Auto Brake Shoes	: 720,000 Nos. Per Annum
Plant & Machinery	: ₹ 279 Lakhs
Cost of Project	: ₹ 1422 Lakhs
Rate of Return	: 27 %
Break Even Point	: 45 %

Benefit and Uses Auto Brake Pad and Auto Brake Shoe

Brake pads are made of a rubber compound, metal clips, shims, springs, and a dust cover. It is a crucial part of any car's braking system, providing the friction needed to slow the car down. Brake pads are also used on heavy machinery such as trucks, trailers, cranes, tractors and forklifts.

Indian Market Outlook

India Brake Pad Market was worth USD 4.75 billion in 2021 and is further projected to reach USD 8.54 billion by the year 2028, exhibiting a CAGR of 8.9% during the forecast period (2022-2028). The rapid expansion of the market is predominantly due to the rapidly growing fleet of cars and expanding fleet size across the country.

Global Market Outlook

The global brake pad market is expected to grow from US\$ 2,580.57

million in 2021 to US\$ 3,342.58 million by 2028. It is estimated to grow at a CAGR of 3.8% from 2020 to 2028. The global market outlook for auto brake pads and shoes looks great. In fact, the demand for these products will outpace supply in the next years, so if you're interested in starting a new auto brake pad or shoe business you should act now.

Conclusion

There are a number of reasons the auto brake pad and shoe industry has seen such an increase in demand. These include: new regulations on emissions, higher gas prices, the growing popularity of SUVs, more stringent safety standards for vehicles. The future looks bright for auto brake pad manufacturers as they continue to innovate their product offerings to meet the needs of consumers.

Startup Business of Sorbitol

Sorbitol is a sugar alcohol that can be found naturally in many fruits and berries. It has been increasingly used as a sweetener to replace the more commonly used high fructose corn syrup, which has been linked to obesity.

Sorbitol also has properties that make it an excellent moisturizer, which makes it popular in cosmetics and skincare products.

Scope of Startup Business of Sorbitol

If you're in the business of sugar alcohols, now's the time to take notice. Between erythritol and xylitol, sorbitol has become one of the most popular ingredients in natural sweeteners and sugar alternatives, due to its versatility and multiple uses in various industries, including food, cosmetics, personal care, hygiene and pharmaceuticals.

Indian market outlook

The sorbitol market in India reached a volume of 165 Kilotons in 2020. Looking forward, IMARC Group expects the market to exhibit stable growth during 2021-2026. Sorbitol production in India is estimated to be around 2,000 metric tons and the demand for the

PROJECT COST ESTIMATE	
CAPACITY	
Sorbitol	: 3,000 MT Per Annum
Plant & Machinery	: ₹ 58 Lakhs
Cost of Project	: ₹ 575 Lakhs
Rate of Return	: 27 %
Break Even Point	: 55 %

product will continue to grow in line with the growth in GDP per capita and increase in disposable income, as well as growing demand for low calorie foods and beverages owing to changing lifestyle patterns.

Global market outlook

The global sorbitol market size was valued at USD 1.47 billion in 2020 and is expected to expand at a compound annual growth rate (CAGR) of 6.5% from 2021 to 2028. The market is expected to witness significant growth over the forecast period owing to the rising usage of diabetic and dietetic food and beverages.

Conclusion

The rising demand for its use as an ingredient has led to a boom in the industry over the last few years. If you're thinking about starting a sorbitol business, it's time to tap into the market and get your products out there.

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Recycled Polyester Fiber from used PET Bottles Manufacturing Business

Recycled polyester fiber is made by recycling post-consumer PET bottles. PET stands for polyethylene terephthalate, the most common form of plastic used in beverage containers. When the bottles are recycled and processed, they turn into a fiber that can be woven into fabric. This fabric is remarkably durable and has excellent wicking properties.

Uses and Benefit of Starting Recycled Polyester Fiber Business

Recycled polyester fiber is a great material for making clothes. It is highly durable and can be made in a variety of weights and textures. Which makes it an attractive option for designers. Recycled polyester fiber is made by recycling used plastic bottles into usable fibers for clothing, furniture, or any other product that requires a cloth-like material.

Global Market Outlook

Recycled Polyester Fiber Market In 2022: The Recycled Polyester Fiber market revenue was Million USD in 2016, grew to Million USD in 2020, and will reach Million USD in 2029, with a CAGR of during 2020-2029. The market in North America is expected to grow considerably during the forecast period. The high adoption of advanced technology and the presence of large players in this region are likely to create ample growth opportunities for the market.

Conclusion

Recycling plastics is not just a great way to make use of the 10.3 billion tons of plastic that are currently in existence but also a lucrative opportunity for entrepreneurs. In fact, recycled polyester fiber from used PET bottles could be worth as much as \$1 billion annually, which means there are plenty of opportunities to entrepreneur and invest in this business.

PROJECT COST ESTIMATE

CAPACITY

Recycled Polyester Fiber	: 1,500,000 Kgs Per Annum
Plant & Machinery	: ₹ 76 Lakhs
Cost of Project	: ₹ 393 Lakhs
Rate of Return	: 27 %
Break Even Point	: 55 %

Start Phosphate Rice Organic Manure (PROM) Production Business

Phosphate rice organic manure (PROM) is an organic fertilizer made from pulverized rice, phosphate salts, water and bacteria. Phosphate rice organic manure is a type of fertilizer that helps crops grow.

Benefits of Phosphate Rice Organic Manure

Phosphate rice manure has many benefits, the most prominent being that it is 100% organic. This means that it does not contain any harmful or toxic chemicals so you can use it with peace of mind. It also has a high nutrient value, meaning that plants will grow quickly when using this product.

Indian Market Outlook

The India phosphate rich organic manure (PROM) market was val-

PROJECT COST ESTIMATE

CAPACITY

Phosphate Rich Organic Manure (PROM)	: 28,800 MT Per Annum
Plant & Machinery	: ₹ 182 Lakhs
Cost of Project	: ₹ 359 Lakhs
Rate of Return	: 28 %
Break Even Point	: 78 %

ued at \$203.2 million in 2020, and is projected to reach \$419.6 million by 2030, growing at a CAGR of 6.8% from 2021 to 2030. Organic manure (type of natural fertilizer) is used by farmers to provide proper nutrients to crops.

Global Market Outlook

The Global Phosphate Rich Organic Manure (PROM) Market Size Is Expected To Grow At A CAGR of Approx. 7% from 2022 to 2032.

The major factor driving the growth of the Phosphate Rich Organic Manure (PROM) market is the rising demand for organic fertilizers. The increasing awareness about the benefits of organic fertilizers is expected to drive the global market for PROM. Adding to the positive outlook for the market is the rising industrialization in developing countries.

Conclusion

Phosphate rice organic manure has a wide range of uses in agriculture. It's the backbone of any good farming system, but it can also be used in landscaping, forestry and even forage production. With such a diverse set of applications, it's no wonder that phosphate rice organic manure is becoming so popular.

Stainless Steel Cold Rolled Coil using Stainless Steel Scrap Manufacturing Business

Stainless steel cold rolled coil is a kind of hot-rolled stainless steel strip with a thickness in the range 0.3mm-0.5mm, which has been cold-rolled from a hot-rolled stainless steel coil. Stainless steel is a widely used metal in the manufacturing industry. It's created by rolling out thin sheets of steel that have been heated until they are malleable, then shaping them into coils. The resulting coil is then submerged in an acid bath, which removes any impurities from the surface. When it comes out, it's coated with chromium oxide (which creates its characteristic shiny silver color) and is ready for use.

Uses and Applications

Stainless steel cold rolled coil is used in a variety of construction, manufacturing, automotive, and other applications. It can be used for anything from building frames for houses to making car parts. The high tensile strength gives it the ability to hold heavy loads without

PROJECT COST ESTIMATE

CAPACITY:

Stainless Steel 202 Series Strip Coil (0.02 mm to 3 mm)	: 42,000 MT Per Annum
Stainless Steel 304 Series Strip Coil (0.02 mm to 3 mm)	: 30,000 MT Per Annum
Stainless Steel 405 Series Strip Coil (0.02 mm to 3 mm)	: 28,000 MT Per Annum
Plant & Machinery	: ₹ 2863 Lakhs
Cost of Project	: ₹ 9293 Lakhs
Rate of Return	: 27 %
Break Even Point	: 48 %

collapsing or bending. It's corrosion resistant properties make it perfect for use in marine environments where there are harsh chemicals in the air or water that would otherwise eat away at other metals.

Indian Market Outlook

In India, the demand for cold-rolled coil is projected to grow at a CAGR of 10% over the next few years. This growth is driven by factors such as an increase in industrialization, a rise in per capita income levels, and growing investment in infrastructure development.

Conclusion

Stainless steel cold rolled coil is one of the most competitive industries, with a market capitalization over \$26 billion. The industry provides an excellent investment opportunity for both experienced investors, as well as novice investors.

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uPVC and CPVC Pipes Production Business

UPVC is a type of plastic pipe that is available in both rigid and flexible varieties. The rigid variety is typically used for water supply and drain lines, while the flexible variety can be used for any plumbing needs. CPVC pipes are a type of UPVC pipe that are designed to handle hot water at high temperatures.

Applications and Uses of UPVC and CPVC Pipes

UPVC pipes are lightweight, rust-resistant, easy to install and inexpensive. The pipes can be used for a wide range of applications from draining waste water to carrying natural gas. CPVC pipes are highly resistant to corrosion, which makes

PROJECT COST ESTIMATE

CAPACITY:

CPVC Pipes 50 mm : 1,200 MT Per Annum

uPVC Pipes 150 mm : 2,400 MT Per Annum

Plant & Machinery : ₹ 313 Lakhs

Cost of Project : ₹ 714 Lakhs

Rate of Return : 27 %

Break Even Point : 56 %

them ideal for use in areas where the climate is subject to freezing.

Global Market Outlook

CPVC Pipes and Fittings Market size was valued at USD 1491.9 Million in 2021 and is projected to reach USD 3407.6 Million by 2030, growing at a CAGR of 12.52% from 2022 to 2030. The global construc-

tion industry has grown at a rapid pace. The primary reasons for the construction industry's growth are whole population growth, rapid economies such as China and India, and rising per capita income in emerging markets.

Conclusion

The future for the UPVC pipes industry is looking bright. The biggest factor contributing to this increase in demand will be the emerging trends of low-cost housing, increasing focus on renewable energy, and growing consumer preference for green products. This is mainly due to the increased demand for new infrastructure in developing countries, coupled with the need to replace aging infrastructure in developed countries.

A Business Plan for Ferric Pyrophosphate

Ferric pyrophosphate is a chemical compound often used as a food additive. It is considered safe for consumption, and has been granted GRAS status by the FDA. It can be used as an iron supplement for humans, animals, and plants. In addition to its antioxidant properties, it also has the ability to slow down the release of sugar from starchy foods such as breads and pastries. This makes it beneficial for those with diabetes or who are at risk of diabetes.

Benefit of Starting Ferric Pyrophosphate Industry

Ferric pyrophosphate is a mineral that has many uses, such as for the production of steel. Ferric pyrophosphate can also be used to make fertilizers, pesticides, mining slag, and some medicines. It is used to increase the phosphorus and iron content of soil. The ferric pyrophosphate industry will continue to grow due to the high demand for this mineral in many industries.

Global Market Outlook

The global demand for ferric pyrophosphate has increased steadily due to its use in food production and agriculture, as well as its use for water treatment. Countries such as India, China and Brazil have significantly contributed to the growth of the global demand for ferric pyrophosphate.

Conclusion

In conclusion, the ferric pyrophosphate market is booming. The demand for ferric pyrophosphates is growing by 8% annually as it becomes more popular with manufacturers. Plus, its versatility makes it a great choice for many different purposes and products. Companies are now competing to find innovative ways to use this mineral additive, creating even more opportunities for new businesses.

PROJECT COST ESTIMATE CAPACITY

Ferric Pyrophosphate : 600 MT Per Annum

Plant & Machinery : ₹ 48 Lakhs

Cost of Project : ₹ 133 Lakhs

Rate of Return : 31 %

Break Even Point : 73 %

Setup Steel Ingot from Scrap Business

Steel Ingot from Scrap comes from recycling scrap metal that has been recycled again and again. It can be made from old cars, discarded cans, or anything else made out of metal that people want to get rid of. It is melted down until it becomes a liquid form then poured into molds to create ingots.

PROJECT COST ESTIMATE

CAPACITY

Steel Ingot : 3,000 MT Per Annum

Plant & Machinery : ₹ 445 Lakhs

Cost of Project : ₹ 1192 Lakhs

Rate of Return : 26 %

Break Even Point : 54 %

Uses of Steel Ingots from Scrap

Steel Ingots are used for a variety of purposes but are primarily used to make more steel. This can be done by remelting them or by using it to create new alloys with other metals like aluminium or copper.

Global Market Outlook

The global market for Steel Scrap estimated at 574.5 Million Metric Tons in the year 2020, is projected to reach a revised size of 748.2 Million Metric Tons by 2026, growing at a CAGR of 4.5% over the analysis period.

Conclusion

Steel Ingot production is booming in the scrap industry because steel is a metal that's not only durable, but also recyclable. As more people realize this, the demand for steel will continue to grow and make this industry one of the most promising ones in the future.

Titanium Dioxide (Chloride Process)

Titanium is known as a transition metal on the periodic table of elements denoted by the symbol Ti. It is a lightweight, silver-gray material with an atomic number of 22 and an atomic weight of 47.90. It has a density of 4510 kg/m³, which is somewhere between the densities of aluminium and stainless steel. It has a melting point of roughly 3,032°F (1,667°C) and a boiling point of 5,948°F (3,287°C). It behaves chemically similar to zirconium

PROJECT COST ESTIMATE

CAPACITY

Titanium Dioxide : 200000 MT /Annum

Plant & Machinery : ₹ 431 Lakhs

Cost of Project : ₹ 3700 Lakhs

Rate of Return : 32%

Break Even Point : 51%

and silicon. It has excellent corrosion resistance and a high strength to weight ratio.

The global titanium dioxide (TiO₂) market size was valued at USD 13.3 billion in 2015. The market is expected to witness growth at a CAGR of over 8.9% from 2016 to 2025, owing to increasing demand from end-user industries. Market demand has grown by approximately 4-6% on average over the last 18 months (some producers have seen demand increase by up to 9%) and prices for TiO₂ pigments have increased by up to 17-18%. Thus, due to demand it is best to invest in this project.

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Basic Violet 10 (Rhodamine B Base) Production Business

Basic Violet 10 is a dye that is used to produce a variety of colors. In the textile industry, it's often used to make pink shades. The chemical formula for Basic Violet 10 is C₉H₇N₃O₅. It's also used in printing ink and inks for ball point pens.

Uses and Application

Basic Violet 10 is used in the textile industry for printing and dyeing. It can also be used as a stain remover, degreaser, and general cleaner to remove dirt from fabrics. It's often mixed with other dyes to create dif-

ferent colors. This means that it is not only popular in the textile industry, but many other industries too.

Benefits

of Starting Business

Basic Violet 10 (Rhodamine B Base) is a product that has been in high demand for years. Starting a Basic Violet 10 (Rhodamine B Base)

PROJECT COST ESTIMATE CAPACITY

Basic Violet 10	: 420 MT Per Annum
Plant & Machinery	: ₹ 34 Lakhs
Cost of Project	: ₹ 306 Lakhs
Rate of Return	: 30 %
Break Even Point	: 63 %

business can be financially rewarding and relatively easy to get started.

Global market outlook

The global Rhodamine B

base market is forecasted to grow at a CAGR of 9.1% during 2017-2023. The growth of the market is mainly driven by rising demand for rhodamine B base in developing countries such as China, India, and Brazil due to increasing manufacturing activities and improvement in living standards.

Conclusion

The Rhodamine B base industry is booming for a multitude of reasons. First, it's easy to produce and use, it's inexpensive, and it doesn't emit strong odors when combined with other substances. All of these qualities make rhodamine b perfect for industrial applications where odorless chemicals are desired.

Setting up Hemodialysis Blood Tubing Business

The introduction of hemodialysis has had a major impact on the treatment of chronic kidney disease. It is a process that removes waste products from the blood because the kidneys are no longer able to remove them. This can be done at home or in a clinic, but for patients who need long-term care, hemodialysis usually takes place at a dialysis center three times per week for four hours each time. The blood tubing that connects the patient to the machine must be changed regularly.

to starting a Hemodialysis Blood Tubing Manufacturing business. One of the main benefits is that this is a product that will be in high demand as people age, which means more people will be looking to start this business.

PROJECT COST ESTIMATE CAPACITY

Homodialysis Blood Tubing Set	: 1,200,000 Pcs Per Annum
Plant & Machinery	: ₹ 133 Lakhs
Cost of Project	: ₹ 344 Lakhs
Rate of Return	: 29 %
Break Even Point	: 58 %

Global market outlook

The growth in this segment is mainly due to increasing number of end users in developing countries like India and China. In addition, there is a trend of change in patient's treatment preferences towards renal replacement therapy as an alternative treatment option to hemodialysis which has contributed to this market's growth.

Conclusion

The need for hemodialysis blood tubing manufacturing will only continue to grow as the elderly population in the US continues to grow.

Uses and Application

The hemodialysis blood tubing is a medical device that has been used for many years to aid in the treatment of patients suffering from kidney failure. It can be used to help cleanse the patient's blood of impurities, such as extra fluid or wastes.

Benefits of Starting This Business

The need for this product has been increasing over the last few years. There are many benefits

Setup IV Fluid (FFS Technology) Business

IV fluid is a watery solution that contains electrolytes, glucose or other nutrients. It can be administered by mouth, through a tube inserted into the stomach and down into the small intestine (a nasogastric feeding tube), or intravenously.

Uses of IV Fluid (FFS Technology)

Intravenous fluids are essential for providing oxygen and nutrients to sustain life. They also help maintain blood pressure and pH levels in patients with severe burns, trauma, or shock. These fluids are administered through an intravenous line that is inserted into a vein on either arm. These fluids can be used for rehydration, blood transfusion, medication delivery and more.

Indian Market Outlook

With an aging population and rising medical costs, India has seen a spike in demand for intravenous fluids. The market for IV fluids in India has been growing at a steady rate of 25% per annum. Some firms have been introducing new products into the

market or investing in expanding their production capacity.

PROJECT COST ESTIMATE

CAPACITY

IV Fluids (250 ml Size)	: 10,500,000 Bags Per Annum
IV Fluids (500 ml Size)	: 9,000,000 Bags Per Annum
IV Fluids (1000 ml Size)	: 10,500,000 Bags Per Annum
Plant & Machinery	: ₹ 4205 Lakhs
Cost of Project	: ₹ 5770 Lakhs
Rate of Return	: 25 %
Break Even Point	: 40 %

Global Market Outlook

The IV Fluid (FFS) Technology market was valued at USD 3.4 billion in 2017, and is projected to grow at a CAGR of 5.3% from 2017-2025. The market for intravenous fluid and blood products has grown tremendously in recent years.

Conclusion

IV fluids are a life-saving necessity for many patients. With the recent rise in IV fluid shortages, hospitals and clinics are scrambling to find an alternative solution. Fortunately, with the introduction of FFS technology, there has been a boom in this market with new options for providers and patients alike.

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

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Start Protein Based Nutrition Foods Production

Protein-based nutrition foods are products that contain at least 20% of the RDA for protein. The RDA stands for Recommended Daily Allowance, and it is a measurement of the minimum amount of nutrients people should eat in order to maintain their health.

Uses and Application

Protein based nutrition food is popular because it offers a healthy alternative to the traditional junk food. It has more protein and less fat, which can help with weight loss. Plus, it's convenient for people who are always on the go. These products are perfect for those who have limited time in their day or those looking to save some money.

Indian Market Outlook

The India Protein Market stood at 1.25 billion

USD in 2021 and is projected to register a CAGR of 4.34% to reach 1.55 billion USD in 2026. The Indian market for protein-based nutrition foods has a huge potential with a high growth rate that can be attributed to the ever-increasing consumer demand for healthy, natural and nutritious food. In addition, the trend of conscious living and health awareness among people also contributes to this growth.

Global Market Outlook

The global plant-based protein market enjoyed a year-on-year (YOY) growth of 6.7% in 2021 to total sales of USD 11.3 Bn and is projected to surpass USD 22.5 Bn in 2032 at a CAGR of 7.2%. Increasing productivity in the food and beverage sector will provide an array of opportunities to the

PROJECT COST ESTIMATE CAPACITY

Protein Based Nutrition Foods (500 gms)	: 1,200,000 Nos Per Annum
Plant & Machinery	: ₹ 62 Lakhs
Cost of Project	: ₹ 437 Lakhs
Rate of Return	: 29 %
Break Even Point	: 59 %

plant-based protein market.

Conclusion

Investing in the protein based nutrition food industry has many advantages, as it is a growing sector with high demand and limited supply. There are many ways to capitalize on such an investment opportunity.

Ferro Alloys

- Ferro Silicon • High Carbon Ferro Manganese • Silico Manganese

Production Business

Ferroalloys are alloys consisting of a combination of iron with a metal such as manganese, silicon, or carbon. They have various compositions and applications.

The most common ferroalloy is ferro-manganese with approximately 10% manganese content by weight. Ferro-silicon (ferro silico manganese) has about 2-4% silicon content by weight. Ferro alloys are the most common name for the engineering

materials produced by melting and casting ferrous metals such as iron or steel with a suitable alloying element such as silicon, manganese, or carbon.

Uses and Applications

The use of ferro alloys can range from polishing glass, to construction and various other uses. High carbon ferro manganese is used in the making of steel and stainless steel. Silico manganese is used in the production of glass, porcelain, enameled ware and pottery.

Benefit of startup this industry

The demand for ferro alloys is on the rise due to the increasing demands of silicon and manganese

in electric vehicle, wind power, and solar power industries. Ferrosilicon producers can expect to see a significant increase in demand over the next few years.

PROJECT COST ESTIMATE

CAPACITY:	
Ferro Silicon (70-75% Si)	: 6,500 MT Per Annum
High Carbon Ferro Manganese (70-72% Mn)	: 22,000 MT Per Annum
Silico Manganese (Mn 70% and Si . 15%)	: 16,000 MT Per Annum
Plant & Machinery	: ₹ 15692 Lakhs
Cost of Project	: ₹ 24627 Lakhs
Rate of Return	: 27 %
Break Even Point	: 54 %

Global Market Outlook

The global ferroalloys market size was valued at USD 42.7 billion in 2020 and is expected to expand at a compound annual growth rate (CAGR) of 7.1% from 2021 to 2028.

Conclusion

The ferro alloys industry has experienced significant growth over the past two decades and is expected to grow exponentially in the future. Demand for silicon metal, manganese metal, steel and various other ferroalloys will also be on the rise as developing countries' populations continue to expand, with China accounting for more than half of global steel demand.

Biomass Briquettes from Bio Waste

Among the non-conventional forms of energy, Bio-Energy offers vast potential under Indian conditions, due to the wide spectrum of BIOMASS available in different agro-climatic regions of the country.

Worldwide, the energy stored in biomass through photosynthesis is approximately 3x10²¹J (90% in trees) every year, which is nearly 10 times the world's annual energy use. Even through the total renewable biomass resource for energy far exceeds the world's total energy requirement, its volume exploitation remains limited because of the present low cost of fossil fuels, the heterogeneous nature of biomass, and the area over which the biomass must be collected for large-scale applications.

Biomass feed, especially agro-residues, is available in different forms, such as husks, straw, and stalks of various and numerous crops. Due to this heterogeneous nature, the utility of these materials for energy becomes limited, and energy conversion processes tend to become biomass specific. Biomass briquettes are a proven way of generating energy from bio-waste. Different types of waste have been utilized in order to develop biomass briquettes. Biomass briquettes derived from Mustard, Cotton, Guar, Saw Dust and Peanut shell Agro

waste could result in feasible on-site fuel production. Biomass briquettes can typically provide between 3-15 per cent of the input energy into the power plant. The objective behind the move, is to reduce air pollution caused due to burning of surplus biomass residue in fields by creating an alternate market for its large-scale utilisation in power plants as well as reduce carbon emission from coal-fired power plants.

PROJECT COST ESTIMATE

Capacity	: 20 MT Per Day
Plant & Machinery	: ₹ 52 Lakhs
Cost of Project	: ₹ 94 Lakhs
Rate of Return	: 20%
Break Even Point	: 73%

The global Biomass Briquette market is valued at 320 million US\$ in 2017 and will reach 570 million US\$ by the end of 2025, growing at a CAGR of 7.3% during 2018-2025. The global biomass briquettes market is segmented into North America, Latin America, Western Europe, Eastern Europe, the Middle East and Africa, and Asia Pacific. Of these regions, Europe and North America are expected to be key regions for the growth of this market over the forecast tenure. The utilization of the biomass briquettes production technologies is high to convert their biomass into useful energy sources.

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

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Website : www.niir.org www.entrepreneurindia.co

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SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT EACH DETAILED PROJECT REPORT (BUSINESS PLAN) CONTAINS

BEGINNING : Project Introduction, Brief History of the Product, Properties, BIS (Bureau of Indian Standard) Specifications & Requirements, Uses & Applications.

MARKET SURVEY : Present Market Position, Expected Future Demand, Statistics of Imports & Exports, Export Prospect, Names and Addresses of Existing Units (Present Manufactures).

PLANT & MACHINERY : List of Plant & Machineries, Miscellaneous Items and Accessories, Instruments, Laboratory Equipments and Accessories, Plant Location, Electrification, Electric Load and Water, Maintenance, Suppliers/Manufacturers of Plant and Machineries.

RAW MATERIAL : List of Raw Materials, Properties of Raw Materials, Availability of Raw Materials, Required Quality of Raw Materials, Cost/Rates of Raw Materials.

MANUFACTURING TECHNIQUES : Formulae Detailed Process of Manufacture, Flow Sheet Diagram.

PERSONNEL REQUIREMENTS : Requirement of Staff & Labour, Personnel Management, Skilled & Unskilled Labour.

LAND & BUILDING : Requirement of Land Area, Rates of the Land, Built up Area, Construction Schedule, Plant Layout.

FINANCIAL ASPECTS : Cost of Raw Materials, Cost of Land & Building, Cost of Plant & Machineries, Fixed Capital Investment, Working Capital, Project Cost, Capital Formation, Cost of Production, Profitability Analysis, Break Even Point, Cash Flow Statement for 5 to 10 Years, Depreciation Chart, Conclusion, Projected Balance Sheet, Land Man Ratio.

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

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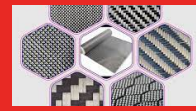
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SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT

Carbon Fiber, Carbon Fiber Composites, Graphite Fibre and Carbon Fiber Reinforced Polymer



- » Carbon Composite Fiber
- » Carbon Fibre Composite Materials



Cashew value added Products

- » Activated Carbon from Cashew Nut Shell
- » Cardanol from Cashew Nut Shell Liquid (CNSL)
- » Cashew Cultivation
- » Cashew Fruit Juice from Cashew Apple
- » Cashew Nut Kernels & Shell Liquid
- » Cashew Nut Processing
- » Cashew Nut Processing with CNSL
- » Cashew Nut Shell Liquid & Kernel Processing
- » Cashew Nut Shell Liquid (CNSL)
- » Cashew Nut Shell Liquid (Using Waste Shell)
- » Cashew Nut Shell Oil
- » Cashew Processing
- » Cashewnut Processing (Dried & Fried)
- » CNSL Based Resin in Powder & Liquid form
- » Coconut and Cashew Feni
- » Roasted Salted Cashew Kernel from Cashew Nut

Cement and Cement based Products



- » AAC Blocks (Autoclaved Aerated Concrete Blocks) Fly Ash Based
- » Admixtures for Concrete
- » Admixtures Plant (Water Retarding Admixtures for Concrete)
- » Asbestos Cement Corrugated Sheet
- » Calcium Silicate Insulation Board
- » Cement
- » Cement from Rice Husk
- » Cement Grinding Unit
- » Cement Plant
- » Cement Roofing Tiles
- » Cement Water Proofing Compound
- » CLC Blocks (Cellular Light Weight Concrete Blocks) with Steam Curing Method
- » Clinker Grinding for Cement
- » Concrete Admixtures (Additives)
- » Concrete Block & Ready Mix Concrete
- » Concrete Railway Sleepers
- » Glass Reinforced Concrete (GRC)
- » Gypsum (Hydrated Calcium Sulfate) Plaster Board
- » Hydrated Lime
- » Meter Gauge Concrete Sleeper
- » Mini Cement Plant
- » PCC Electric Poles
- » Polymer Modified Cementitious Tile Adhesives
- » Portland Cement
- » Precast Concrete Compound Wall
- » Prestressed Concrete Cement Poles
- » Pre-Stressed Concrete Electric Poles by Spinning
- » Prestressed Concrete Poles for Electrical HT and LT
- » Prestressed Concrete Sleepers
- » PSC Electric Poles
- » PVC Solvent Cement
- » Railway Sleepers
- » Ready Mix Concrete (RMC)
- » Ready Mix Concrete with Concrete Blocks
- » Sanitary Ware Products (Wash Basin and Bathroom Closets)
- » Water Based Cement Primer
- » Water Proofing Liquid and Powder (Concrete and Mortar Admixture)
- » White Cement

Cereal Processing (Rice, Dal, Pulses, Oat, Wheat), Sugar and Value Added Products

- » Atta Chakki Plant
- » Atta, Maida Suji & Wheat Bran (Roller Flour Mill)
- » Baby Cereal Food
- » Baby Food Products (Infant Cereals, Porridge Mixes, Fruits Purees, Savoury Meals, Infant Milk, Baby Biscuits, Mueslis)
- » Basmati Rice Mill
- » Besan Plant (Gram Flour)
- » Corn Flakes in Various Shapes & Design
- » Dall Mill (Split Dalls Pulses for Chhilke-Wali Moong, Urad, Arhar, Channa, Masoor)
- » Dall Mill of Yellow Peas Chana & Lentil (Pulses)
- » Flour Milling
- » Food Processing Unit (Pulses & Dates)
- » Maize Processing Unit
- » Maize Products (Starch, Glucose, Dextrose, Sorbitol)
- » Modern Rice Mill
- » Parboiled Rice Mill with Rice & Corn Flakes
- » Poha (Rice Flakes)
- » Processing of Food Grains/Pulses & Retail Packaging
- » Puffed Rice (Muri)
- » Rice and Corn Flakes
- » Rice Bran Oil
- » Rice Flake (Poha)
- » Rice Flakes from Broken Rice (Used in Beer Industry)
- » Rice Mill (Parboiled Rice)
- » Rice Mill, Rice Bran Oil with Captive Power Plant (Integrated Unit)
- » Rice Powder, Puttu and Wheat Powder
- » Roller Flour Mill (Atta, Maida & Suji)
- » Silicon from Rice Husk
- » Value Added Products of Broken Rice
- » Wheat Flour
- » Wheat Germ Oil
- » Wheat Puff (Puffed Wheat)
- » Wheat Starch and Wheat Gluten
- » White Oats Processing

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

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SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT

Ceramic and Ceramic Products, Industrial Ceramic Products, Pipes, Floor and Roof Tiles, Tableware, Wall Tiles, Sanitary Ware, Porcelain, Stoneware, Pottery, Ceramic Wall & Floor Tiles, Vitrified Tiles, Decorative Tiles



- » Ceramic Crockery Products (Bone China)
- » Ceramic Foam Filters
- » Ceramic Glazed Wall Tiles
- » Ceramic Heater Plate
- » Ceramic Table Ware, Hotel Ware, Stone Ware/Bone China
- » Ceramic Wall and Floor Tiles



- » Conversion of Industrial Vitrified Tiles into Commercial Vitrified Tiles
- » Glazed Wall and Floor Tiles
- » Grinding Media Ball
- » High Alumina Ceramic
- » Insulators (HT & LT)
- » Melamine Crockery



- » Non-Glazed Ceramic Tiles
- » Oxygen Gas Lancing Pipes, Ceramic Coated Pipes, Oxygen Lancing Tube Used in Steel Plants, Furnace and Foundries
- » Porcelain Insulator
- » Porcelain Insulator (LT & HT)



Chemicals, Chemicals Organic, Chemicals Inorganic, Zeolite, Sulphate, Wax, Activated Carbon, Polishing, Compounds, Acids, Starch, Nitrate, Phosphate, Formaldehyde, Biotechnology, Enzymes, Bio Fertilizer, Vermiculture and Vermi Compost

- » 4, 4, Diamino Stilbene 2-2-Di-Sulphonic Acid
- » Acetaldoxime or Acetaldehyde Oxime
- » Acetic Acid from Natural Gas
- » Acetic Anhydride
- » Acid Slurry (From Linear Alkyl Benzene)
- » Acrylic Acid Production from Propylene
- » Activated Carbon from Bamboo
- » Activated Carbon from Coconut Shell
- » Active Zinc Oxide Production from Zinc Ash, Secondary Zinc Waste & Eaf Dust
- » Alumina from Bauxite
- » Aluminium Fluoride
- » Aluminium Hydroxide IP
- » Ammonium Sulphate
- » Anhydrous Ferric Chloride
- » Antimony Trioxide
- » Assaying Gold
- » Bamboo Charcoal
- » Barium Compounds
- » Benzoic Acid Production Business
- » Bleaching Powder
- » Bromelain Enzyme Production from Pineapple Stems
- » Calcined Lime, Lime Calcination
- » Calcined Magnesite & Dead Burnt Magnesite
- » Calcium & Zinc Stabilizer for Pipe and Foam Board Application
- » Calcium Bromide
- » Calcium Gluconate
- » Calcium Hypochlorite
- » Calcium Nitrate
- » Calcium Palmitate (Used as Cattle Feed)
- » Calcium Propionate
- » Camphor (Powder & Tablets)
- » Camphor Tablet (Synthetic)
- » Carbon Black
- » Caustic Potash (Potassium Hydroxide)
- » Chelated Zinc (Zn-EDTA)
- » Chromic Acid
- » Citric Acid Monohydrate
- » Corrosion Controlling Chemicals (Pipe Lines)



- » Coumarin
- » Cross-Linked Sodium Carboxymethyl Cellulose
- » Cyanoacetic Acid
- » D.O.P. (Di-Octylphthalate)
- » Dibutyl Phthalate
- » DI Tartaric Acid and Its Salts for Textile Industry
- » Dough Moulded Compound
- » D-Phenylglycine
- » Epoxy Resins
- » Ethyl and Butyl Acetate
- » Ethylene Glycol
- » Ethylenediamine
- » Fatty Alcohol
- » Fe2o3 & Tio2 from Bauxite Processing Waste
- » Ferrous Sulphate
- » Fluorine Chemical (Hydrofluoric Acid)
- » Formic Acid
- » Fulvic Acid Production Business
- » Furfural from Bagasse and Corncobs
- » Gallic Acid from Tannic Acid
- » Glycerol Monostearate
- » Gold Salt
- » Ground Calcium Carbonate with 90% Brightness and Whiteness and > 90% Caco3
- » Hand Sanitizer
- » Heat & UV Stabilizers for PVC & Other Engineering Plastics
- » Hexamine from Formaldehyde
- » Humic Acid
- » Hydrated Lime (Calcium Hydroxide) Production from Limestone
- » Hydrazine Hydrate
- » Hydrochloric Acid (For Toilet Cleaner)
- » Hydrogen Peroxide
- » Hydroxylamine Sulphate
- » Laboratory Chemical Unit
- » Linear Alkyl Benzene Sulphonic Acid (LABSA)
- » Liquid Sodium Silicate from Caustic Soda & Sand
- » Magnesium Chloride Hexahydrate
- » Magnesium Hydroxide Powder



- » Magnesium Powder from Dolomite Stone
- » Magnesium Sulphate (Fertiliser Grade)
- » Maleic Anhydride
- » Menthol Crystals-Bold (EOU)
- » Methyl Ethyl Ketone (MEK)
- » Methyl Methacrylate
- » Methyl Methacrylate (MMA)
- » Methyltetrahydrophthalic Anhydride (MTHPA)
- » Metol
- » Microcrystalline Cellulose (MCC)
- » Monochloro Acetic Acid
- » Monosodium Glutamate (MSG)
- » Nicotinic Acid (Niacin) Production from Tobacco Waste
- » Nitrocellulose
- » Non-Formaldehyde Dye Fixing Agent for Reactive Dyes
- » Pectin from Citrus, Lemon and Orange
- » Pentaerythritol
- » Phosphoric Acid from Rock Phosphate (By Using 25% Venyl Sulphon Content Sulphuric Acid and Hydrochloric Acid)
- » Phthalic Anhydride
- » Poly Aluminium Chloride (Water Treatment Grade)
- » Polyanionic Cellulose (PAC)
- » Polycarbonate (Dry Process)
- » Polyactic Acid (PLA)
- » Polyvinylidene Fluoride (PVDF)
- » Potassium Iodate
- » Potassium Permanganate
- » Precipitated Silica from Rice Husk Ash
- » Propylene Oxide.
- » P-Toluene Sulphononic Acid
- » Silica Gel Crystal and Beads
- » Silver Nitrate
- » Soda Ash (Light & Soda Ash Dense)
- » Sodium Aluminate
- » Sodium and Ammonium Molybdate
- » Sodium Benzoate
- » Sodium Bicarbonate from Soda Ash



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

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SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT

- » Sodium Borohydride (Sodium Tetrahydridoborate) Using Trimethyl Borate
- » Sodium Borohydride Using trimethyl Borate
- » Sodium Chlorite (NaClO₂)
- » Sodium Hypochlorite
- » Sodium Metabisulphite
- » Sodium Percarbonate (Sodium Carbonate Peroxide)
- » Sodium Sulphide from Sulfur and Caustic Soda
- » Stabilized Insoluble Sulfur



- » Stable Bleaching Powder
- » Stearic Acid
- » Sulphuric Acid, Chlorosulphonic Acid
- » Superplasticizer (Liquid Form)
- » Synthetic Red Iron Oxide
- » Tannin (Edible) from Areca Nut Waste
- » Tartaric Acid, Food Colour, Crude Pectine, Tamarind Oil and Tamarind Protein from Tamarind
- » Thiourea (Using Carbon Disulphide)



- » Titanium Dioxide (TiO₂)
- » Tribasic Lead Sulphate
- » Trichloroisocyanuric Acid
- » Tungsten Carbide Rod
- » Vinylidene Chloride (VDC) and Polyvinylidene Chloride (PVDC)
- » Vitamin C
- » Zinc Brightener
- » Zinc Chloride
- » Zinc Sulphate



Most Growing Industries to Start a New Business

Profitable Opportunities in Business of 7-Aminocephalosporanic Acid (7-ACA)

7-aminocephalosporanic acid is abbreviated as 7-ACA, white or almost white crystalline powder, 7-ACA is an important nucleus in synthesis of cephalosporin antibiotics, in the nucleus 7 and 3 chemical transformation can be used to prepare many cephalosporins: cefazolin sodium, cefotaxime sodium, ceftriaxone sodium, cefoperazone sodium, sodium ceftazidime, cefuroxime sodium.

7-Aminocephalosporanic Acid [chemically, 3-(Acetyloxy-methyl)-7-amino-8-oxo-5-thia-1-azabicyclo (4.2.0) oct-2-ene-2-carboxylic acid] is the active nucleus for the synthesis of cephalosporins and intermediates. India has the world's third largest active pharmaceutical ingredients (API) for the industry valued at a little less than USD 2 bn. Top 5 API producers account for approximately 6.5 %. The leading APIs are anti-infectives, gastrointestinal, cardiovascular and respiratory drugs. The Chemical Pharmaceutical Generic Association (CPA) projects that India's share of the world API market will grow by 10.5% by 2010 as patented blockbuster drugs lose their patent protection. The CPA also expects that the domestic Indian market for APIs, both generic and branded, will rise from USD 755 mn in 2005 to USD 1.9 bn in 2010. The API market in India to grow at a CAGR of 10.76 percent.

PROJECT COST ESTIMATE

CAPACITY	
7-Aminocephalosporanic Acid	: 0.5 MT Per Day
Plant & Machinery	: ₹ 593 Lakhs
Cost of Project	: ₹ 1937 Lakhs
Rate of Return	: 28.20%
Break Even Point	: 45.58%

Cancer Hospital (50 Beds)

Cancer is a term used for diseases in which abnormal cells divide without control and are able to invade other tissues. Cancer cells can spread to other parts of the body through the blood and lymph systems. Every year about 8,50,000 new cancer cases are diagnosed in India resulting in about 5,80,000 cancer related death every year.

PROJECT COST ESTIMATE

Capacity	: 19600 Outdoor Patients 1400 G. Ward Patients 1050 Special Ward Patients Per Year 10 Special Ward 40 General Ward
Plant & Machinery	: ₹ 501 Lakhs
Cost of Project	: ₹ 699 Lakhs
Rate of Return	: 46%
Break Even Point	: 35%

The cancer hospital is a comprehensive cancer care setup with all the facilities for diagnosis and treatment of all types of cancers under one roof. It is to provide reliable and internationally compatible diagnostic and therapeutic services related to the field of oncology to the patients in particular and society at large.

There is good scope for cancer hospitals for all poor, middle and high society people. So, opening a new hospital with all facilities will be highly profitable.

Start Manufacturing of Aluminium Ingots from Aluminium Scrap

Aluminum, is a light weight, silver-white, metallic element that makes up approximately 7 per cent of the earth's crust. It weighs about one third as much as steel (7480- 8000 Kg/ cubic meter) or copper (8930 Kg/cubic meter). Aluminium is malleable, ductile, and easily casted and has excellent corrosion resistance and durability. It is mined in the form of bauxite ore and exists primarily in combination with oxygen as alumina. India has nearly 10 per cent of the world's bauxite reserves and a growing aluminium sector that leverages this. Demand

in the domestic market is expected to grow by 8-10 per cent. By 2020, India is expected to have an installed aluminium capacity of 1.7 to 2 million tones per annum.

India's share in world aluminium market is estimated at around 3%. India ranks fifth in bauxite production after Australia (62 mntonnes), Guinea (17.50 mntonnes), Brazil (16.20 mntonnes) and China (10.75 mntonnes). With a total output of 9.25 mntonnes, the country contributes about 6% of the world's total

PROJECT COST ESTIMATE

CAPACITY:	
Aluminium Alloy Ingots	: 14 MT Per Day
Aluminium Scrap	: 0.23 MT Per Day
Plant & Machinery	: ₹ 7 Cr
Cost of Project	: ₹ 33.15 Cr
Rate of Return	: 24%
Break Even Point	: 25%

production of 159 mntonnes, India holds the fifth position in reserves base and is ahead of China with 2300 mntonnes. India ranked seventh in alumina production with a total output of 3 mntonnes, a share of nearly

5% of the global production of 61 mntonnes.

Aluminium has a wide range of applications, from aircraft building to packaging, a major consumer being the electrical industry. The two sectors, electricity and transportation, account for more than half of the total off take. The key consumer industries in India are power, transportation, consumer durables, packaging and construction. Of this, power is the biggest consumer (about 44% of total) followed by infrastructure (17%) and transportation (about 10% to 12%).

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

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Blood Collection Tubes (Vacutainer)

A vacutainer blood collection tube is a sterile glass or plastic test tube with a colored rubber stopper creating a vacuum seal inside of the tube, facilitating the drawing of a predetermined volume of liquid. Vacutainer tubes may contain additives designed to stabilize and preserve the specimen prior to analytical testing. Tubes are available with a safety-engineered stopper, with a variety of labeling options and draw volumes. The color of the top indicates the additives in the vial.

A vacuum blood collection tube is a sterile glass or plastic test tube that uses a stopper to create a vacuum seal inside the tube and enable the depiction of a predetermined volume of liquid. The vacuum blood collection tube prevents needle stick damage by preventing needles from coming in human contact and thus, contamination. The vacuum blood collection tube contains a double pointed needle, attached to a plastic tubular adapter. Double pointed needles are available in many gauge sizes. The length of the needle ranges from 1 to 1 1/2 inches. Vacuum blood collection tubes may contain additional constituents which are used to preserve blood for treatment in a medical laboratory. These additives are in the form of films applied using an ultrasonic nozzle.

PROJECT COST ESTIMATE	
CAPACITY:	
<i>Blood Collection Tubes (Vacutainer) 13x100 with EDTA</i>	: 96,000 Nos / Day
<i>Blood Collection Tubes (Vacutainer) 13x75 Plain</i>	: 96,000 Nos / Day
Plant & Machinery	: ₹ 464 Lakhs
Cost of Project	: ₹ 1105 Lakhs
Rate of Return	: 29%
Break Even Point	: 53%

The additives contained in the vacuum blood collection tube are anticoagulants, such as EDTA, sodium citrate, heparin or gel. A vacuum blood collection tube is mostly used by clinics and laboratories for storing blood for future testing. Vacuum blood collection tubes have a substitute which can preserve blood for an extended period for testing processes. Vacuum blood collection tubes are available in different types of sizes and specimens.

Blood Collection Tubes Market size is estimated to reach \$2.81bn by 2025, growing at a CAGR of 7.1% during the forecast period 2020-2025. Blood plays an important role in the diagnosis and

treatment of many diseases. The blood processing includes the collection, storing and managing the blood after collected from the donor. The blood collection tubes which are also known as vacutainers are made of either plastic or glass, these tubes are sterilized and have a safety-engineered stopper with different labeling options with the volume on it and color of the caps indicates the additives in the tube. The increase in usage of blood samples in the diagnosis and requirement of blood components in the treatment of many diseases is driving the market for blood collection tubes during the forecast period 2020-2025.

The COVID-19 pandemic has encouraged major market players to focus on the development of new innovative products for blood glucose monitoring. For instance, in May 2020, Dario Health Corp. announced that the FDA has approved the use of self-test blood glucose meters by hospitalized patients with diabetes. This was intended to limit the exposure to the COVID-19 virus by self-checking of blood glucose levels by hospitalized patients and providing information to healthcare personnel. Entrepreneurs who invest in this project will be successful.

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

A lithium-ion battery, often known as a Li-ion battery, is a rechargeable battery in which lithium ions flow via an electrolyte from the negative electrode to the positive electrode during discharge and then back again during charging. A lithium-ion battery's positive electrode is constructed of an intercalated lithium compound, while the negative electrode is commonly graphite. With the exception of LFP cells, lithium-ion batteries have a high energy density, no memory effect, and a low self-discharge rate. Either energy or power density can be emphasised in cells. However, because they contain flammable electrolytes, they can pose a safety risk. Which, if damaged or wrongly charged, can result in explosions and flames.

- **More Compact Design:** Li-ion batteries are smaller and lighter than traditional rechargeable batteries when compared to their capacity, and are thus used in portable consumer electronics devices where weight and form factor are important selling points.
- **Lower Self-discharge and Longer Shelf Life:** While compared to other rechargeable batteries, Li-ion batteries have a lower self-discharge rate of about 1.5 percent per month, allowing for a longer shelf life when not in use due to the slower drain.
- **Fast Charging:** Lithium-ion batteries charge faster than other rechargeable batteries including lead acid, nickel-metal hydride, and nickel-cadmium.
- **Low Maintenance:** Lithium-ion batteries do not need to be maintained in order to function properly.
- **High Open-Circuit Voltage:** Due to their chemistry, Li-ion batteries have

PROJECT COST ESTIMATE	
CAPACITY:	
<i>48 Volt, 60 AH Lithium-Ion Battery Pack</i>	: 10 Nos Per Day
<i>48 Volt, 80 AH Lithium-Ion Battery Pack</i>	: 10 Nos Per Day
<i>48 Volt, 100 AH Lithium-Ion Battery Pack</i>	: 10 Nos Per Day
<i>60 Volt, 20 AH Lithium-Ion Battery Pack</i>	: 10 Nos Per Day
<i>60 Volt, 30 AH Lithium-Ion Battery Pack</i>	: 10 Nos Per Day
<i>72 Volt, 20 AH Lithium-Ion Battery Pack</i>	: 10 Nos Per Day
<i>72 Volt, 40 AH Lithium-Ion Battery Pack</i>	: 10 Nos Per Day
<i>12.8 Volt, 8 AH Lithium-Ion Battery Pack</i>	: 10 Nos Per Day
<i>12.8 Volt, 12 AH Lithium-Ion Battery Pack</i>	: 10 Nos Per Day
<i>12.8 Volt, 20 AH Lithium-Ion Battery Pack</i>	: 10 Nos Per Day
<i>12.8 Volt, 30 AH Lithium-Ion Battery Pack</i>	: 10 Nos Per Day
Plant & Machinery	: ₹ 165 Lakhs
Cost of Project	: ₹ 538 Lakhs
Rate of Return	: 29%
Break Even Point	: 67%

a higher open-circuit voltage than other batteries such as lead acid, nickel-metal hydride, and nickel-cadmium.

Lithium-ion (Li-ion) batteries, also known as secondary batteries, are rechargeable batteries in which lithium ions move from the negative electrode, usually made of carbon, to the positive electrode made of a metal oxide (nickel, manganese and cobalt) during discharge, and back when charging.

- (1) The Li-ion batteries are used in cameras, calculators.
- (2) They are used in cardiac pacemakers and other implantable device.
- (3) They are used in telecommunication equipment, instruments, portable radios and TVs, pagers.
- (4) They are used to operate laptop computers and mobile phones and aerospace

application.

From 2021 to 2030, the global lithium-ion battery market is expected to grow at a CAGR of 12.3%, growing from USD 41.1 billion in 2021 to USD 116.6 billion in 2030. The market's growth can be attributed to increased demand for lithium-ion batteries in electric vehicles (EVs) and grid storage, since they offer high-energy density and lightweight solutions. Due to a growth in the registration of electric vehicles and a decrease in the price of lithium-ion batteries, the market size is predicted to grow throughout the forecast period. Market expansion is predicted to be fueled by an increase in electric vehicle sales as well as a shift in customer preferences. The rising number of solar installations and nuclear power plants, as well as the launch of wind energy projects, are likely to propel market growth over the forecast period.

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