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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.

Manufacture of Electrical Cables, Wire and Wire Products Handbook

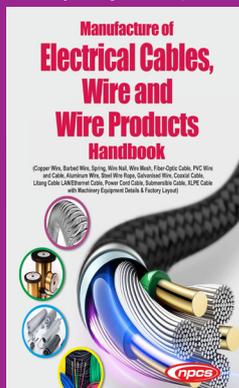
(Copper Wire, Barbed Wire, Spring, Wire Nail, Wire Mesh, Fiber-Optic Cable, PVC Wire and Cable, Aluminum Wire, Steel Wire Rope, Galvanised Wire, Coaxial Cable, Litang Cable LAN/Ethernet Cable, Power Cord Cable, Submersible Cable, XLPE Cable with Machinery Equipment Details & Factory Layout)

The Electrical Cables, Wire and Wire Products Handbook has been written with a dual purpose in mind: the first is to provide information on the actual assembly of cables, wire, and wire products; the second is to serve as an initial reference handbook for electrical cable, wire, and wire products designers.

A successful business needs a good foundation. This handbook will provide you with the basics on electrical cables, wire and wire products. You'll learn about the different types of cables, and how they're made and what goes into making a quality product. Plus, you'll get an overview of the factory layout and machinery involved in the manufacturing process. With this knowledge in hand, you'll be well on your way to starting a successful business. Explore the possibilities! Learn about production of different types of wires

The market demand for wire and wire products is constantly growing. This is due to the increasing need for electrical power and the ever-growing telecommunications industry. The manufacture of electrical cables, wire and wire products is a highly specialized

₹ 2,575/- US\$ 67-



process that requires the use of sophisticated machinery and equipment. Examples of this are extruders, crimpers, cutters, heat treaters and insulation converters. These are all machines used in the production of specific types of wire and cable such as copper wire, aluminum wire or fiber optic cable, Barbed Wire, Wire Nail, PVC Wire, Steel Wire. There are also many other types including galvanized steel wire rope, steel springs and metal mesh screens.

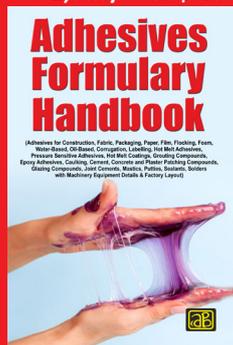
The Manufacture of Electrical Cables, Wire and Wire Products Handbook is a comprehensive guide everything from the conception of your business to the execution of your product. This book provides detailed instructions on how to start a business, including how to write a business plan, and how to manufacture your product.

The book covers the manufacture of electrical cables, wire and wire products. It includes production of copper wire, barbed wire, spring wire nail, wire mesh, fiber-optic cable, PVC wire and cable, aluminum wire, steel wire rope, galvanized wire, coaxial cable, litang cable LAN/ethernet cable, power cord cable, submersible cable, XLPE cable with machinery equipment details & factory layout.

Adhesives Formulary Handbook

(Adhesives for Construction, Fabric, Packaging, Paper, Film, Flocking, Foam, Water-Based, Oil-Based, Corrugation, Labelling, Hot Melt Adhesives, Pressure Sensitive Adhesives, Hot Melt Coatings, Grouting Compounds, Epoxy Adhesives, Caulking, Cement, Concrete and Plaster Patching Compounds, Glazing Compounds, Joint Cements, Mastics, Putties, Sealants, Solders with Machinery Equipment Details & Factory Layout) 2nd Edition

₹ 1,895/- US\$ 48-



Adhesives are substances that bind materials together. It is a kind of substance that adheres to other substances. It might be powdered and dry, like baking soda or cornstarch, or it can be sticky like glue. Many people unknowingly use adhesive on a daily basis. Stickers, bubble gum, and tape are a few examples. Adhesive comes in a wide variety of forms, each with a specific purpose and use. Rubber cement, for instance, can be used to attach the paper to surfaces. It possesses a solid binding that can be easily broken with water or an oil-based solvent. Synthetic adhesives are usually cheaper and easier to use than natural ones, but they may not last as long. There has been an increase in popularity of these products thanks to their low price point and ease of use. There is also an abundance of different options available for these products which allows people with different needs or preferences to find what suits them best.

The major contents of the book are Adhesives for Construction, Fabric, Packaging, Paper, Film, Flocking, Foam, Water-Based, Oil-Based, Corrugation, Labelling, Hot Melt Adhesives, Pressure Sensitive Adhesives, Hot Melt Coatings, Grouting Compounds, Epoxy Adhesives, Caulking, Cement, Concrete and Plaster Patching Compounds, Glazing Compounds, Joint Cements, Mastics, Putties, Sealants, Solders, Factory Layout, Machinery Equipment Details & photographs with Suppliers Contact Details.

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

Setup Plant of Wood Plastic Composite (WPC)

Wood Plastic Composite (WPC) is a material made of a combination of wood fiber and thermoplastic resin. WPC has become a popular building material due to its durability and sustainability, as it is made from recycled plastic and wood fibers.

WPC is an Ideal Material for a Variety of Applications

WPC is also a great choice for interior applications such as furniture and wall panels, due to its high resistance to moisture and wear. The material is extremely stable and can withstand changes in temperature and humidity, making it an ideal choice for use in areas such as bathrooms, kitchens, and even basements.

Indian Market Outlook

The India wood plastic composites market

PROJECT COST ESTIMATE	
CAPACITY	
Wood Plastic Composite (WPC)	: 10 Million Sq.Ft. Per Annum
Plant & Machinery	: ₹ 406 Lakhs
Cost of Project	: ₹ 790 Lakhs
Rate of Return	: 27 %
Break Even Point	: 61 %

reached a value of US\$ 196.7 Million in 2021. Looking forward, IMARC Group expects the market to reach US\$ 393.5 Million by 2027, exhibiting a growth rate (CAGR) of 12% during 2022-2027.

Global Market Outlook

The global wood plastic composites market size was estimated at USD 5.76 billion in 2021

and is expected to grow at a compound annual growth rate (CAGR) of 11.5% from 2022 to 2030. Increasing demand for wood plastic composite in manufacturing noise barriers for street construction, sheet pilings for landscaping, and garden furniture is expected to surge the product demand during the forecast period.

Conclusion

WPC has become increasingly popular in recent years due to its versatile nature and the fact that it offers a sustainable solution to traditional materials like wood. It is an ideal material for entrepreneurs looking to launch a business that involves outdoor products or structures. WPC provides a wide range of benefits, making it a smart choice for those looking for a reliable material that can withstand the elements.

Setup Nicotine USP99+ Plant

Nicotine USP99+ is a form of highly concentrated nicotine produced with an advanced purification process. It has a purity of 99.9% and is used in the production of cigarettes, e-cigarettes, vaping products, and other nicotine delivery products. The process for making Nicotine USP99+ begins with a nicotine extract derived from tobacco leaves. This extract is then passed through a series of advanced filters, removing impurities and reducing it to its purest form. After this process, the nicotine is further purified through a process known as distillation, which removes any remaining impurities and contaminants. The result is Nicotine USP99+, which is significantly more concentrated than regular nicotine extract.

Uses and Application of Nicotine

Nicotine USP99+ is a highly concentrated form of nicotine, making it ideal for a variety of applications. It is used as an ingredient in e-cigarettes, vape juice, and other nicotine-based

products. It can also be used to create other nicotine-based products such as gums, lozenges, and sprays.

Nicotine USP99+ can also be used in a variety of other applications. It can be used in pharmaceuticals such as nicotine patches and gum, as well as some weight loss medications. It can also be used in certain food products, including baked goods and candy, to enhance the flavor of the product.

PROJECT COST ESTIMATE	
CAPACITY:	
Nicotine USP Grade (99%) - Nicotine Sulphate	: 120 Ton Per Annum
Crude Nicotine (Nicotine Alkoid)	: 40,000 Kgs Per Annum
Plant & Machinery	: ₹ 156 Lakhs
Cost of Project	: ₹ 436 Lakhs
Rate of Return	: 28 %
Break Even Point	: 58 %

Conclusion

For entrepreneurs looking to get involved in the e-cigarette industry, there's no better option than Nicotine USP99+. With its many benefits, it's no surprise that it's quickly becoming the go-to product for those looking to enter the market. From better safety standards to lower costs, Nicotine USP99+ provides a great opportunity for entrepreneurs to capitalize on the growing demand for e-cigarettes.

Start-Up Production Plant of Latex Mattress (Talalay Process)

Latex mattresses are gaining popularity as an alternative to traditional spring or foam mattresses. A latex mattress is a mattress that is made from the sap of the rubber tree, which is known as "natural latex" or "Hevea milk." This material is then processed into either a solid foam or a combination of foam and air. The resulting material is extremely durable and offers great support for your body.

Talay Process

The Talalay process is a unique way of producing latex mattress, and it is gaining in popularity in recent years due to the superior quality of the mattresses it produces. The process was created in 1929 by Vitaly Talalay and involves a multi-step process that begins with extracting the liquid latex from the rubber tree. The liquid latex is then poured into a mould and cured in a vacuum chamber before being frozen to stabilize the cell structure of the latex. After being frozen, the latex is again heated and flash-frozen to create a more consistent product.

Benefit of Starting Latex Mattress (Talalay Process) Business?

Benefit of starting a latex mattress business is that you can make a great profit from the product's low overhead cost. Latex mattresses require minimal labour and material costs for production, making them more affordable than other types of mattresses. This allows you to maximize your profit margins and offer customers competitive prices for the same quality product.

PROJECT COST ESTIMATE	
CAPACITY	
Latex Mattress Size	: 30 Nos. Per Day
75 x 70 x 5 inch (33Kg)	
Plant & Machinery	: ₹ 88 Lakhs
Cost of Project	: ₹ 208 Lakhs
Rate of Return	: 31 %
Break Even Point	: 75 %

Global Market Outlook

The global latex mattress market size was accounted for USD 7.8 billion, in 2018 and is projected to grow at a significant rate over the forecast period, 2019-2025. Asia Pacific is anticipated to grow at the highest CAGR of 7.4% during the forecasted period. An increasing number of restaurants and hotels along with the growing hospitality industry in countries like China and India is projected to spur market growth. Consumers prefer these healthy products to support medical ailments. Additionally, growing infrastructure, rapid urbanization with luxurious lifestyle is expected to increase the demand for a latex mattress.

Conclusion

Latex mattresses are becoming increasingly popular due to their many benefits and affordability. Their eco-friendly nature and hypoallergenic properties make them ideal for those with allergies or sensitivities, while the Talalay process ensures that they are comfortable and breathable. Latex mattresses are relatively new to the market, entrepreneurs have an opportunity to gain a competitive edge over established mattress companies.

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

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A Business Plan for MS Barrels (Metal Barrels)

Used in Oil Packaging

MS Barrels, also known as Metal Barrels, are specially designed containers used for packaging and transporting various types of oil. These barrels are generally made of mild steel, which is strong and lightweight, making them easy to transport and store. They come in a variety of sizes and shapes, allowing for efficient and secure oil packaging.

Benefit of MS Barrels

MS Barrels are highly durable and can withstand extremely high temperatures and pressure. This means that they are well suited for transporting oil and other liquids, as they will be able to safely store the contents during long-distance transportation. MS Barrels are also eco-friendly and offer a great way to reduce plastic waste. Since they are made of metal, they can be recycled or reused over again. This makes them a much more sustainable option compared to plastic barrels which need to be disposed of after one use.

Global Market Outlook

The Global Industrial drum Market was valued at USD 10.88 billion in 2021 and is expected to reach USD 20.67 billion by 2029, registering a CAGR of 7.70% during the forecast period of 2022-2029. Industrial drums allow higher operational efficiency and effectiveness in shipping bulk quantities of commodities, especially in liquid form. Industrial drums also offer cost-effective transport packaging solutions for the shipment of both hazardous and non-hazardous materials, like chemicals, wines, fruit juices, etc.

PROJECT COST ESTIMATE

CAPACITY:

MS Barrels (Metal Barrels)	: 210,000 Units Per Annum
MS Scrap	: 300 Units Per Annum
Plant & Machinery	: ₹ 148 Lakhs
Cost of Project	: ₹ 484 Lakhs
Rate of Return	: 28 %
Break Even Point	: 61 %

Conclusion

MS Barrels are quickly becoming the go-to choice for oil packaging due to their superior benefits and convenience. MS Barrels offer a wide range of advantages including ease of transportation, environmental friendliness, and cost savings. They are also highly durable and safe for storing oil, making them the perfect choice for oil packaging. Ultimately, MS Barrels offer a great solution to oil packaging, making them an ideal choice for any business involved in the oil industry.

A Business Plan for Soda Ash By Solvay Process

Soda ash, or sodium carbonate, is a white, powdery chemical commonly used in the production of glass, paper, soaps and detergents, and other industrial products. It can be produced in several ways, but the Solvay process is the most widely used method. The Solvay process begins with brine—salt water saturated with sodium chloride—which is heated until it evaporates, leaving behind concentrated sodium chloride. This concentrated brine is then mixed with ammonia and carbon dioxide, forming sodium bicarbonate.

Benefits of Starting Soda Ash Industry

The production of soda ash has numerous benefits for industry. It is an essential ingredient in the manufacture of glass, soaps and detergents, and many other products. Soda ash also plays an important role in the production of aluminium, steel, and paper.

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 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.

Conclusion

The Solvay process is a cost-effective and efficient method for producing soda ash from brine. This process has been used for decades in the chemical industry and continues to be a reliable source for soda ash production.

PROJECT COST ESTIMATE

CAPACITY:

Soda Ash (Na₂CO₃)	: 200,000 MT Per Annum
Ammonium Chloride (NH₄Cl)	: 200,000 MT Per Annum
Plant & Machinery	: ₹ 1050 Cr.
Cost of Project	: ₹ 1265 Cr.
Rate of Return	: 14 %
Break Even Point	: 43 %

Start Cardanol from Cashew Nut Shell Oil Manufacturing Plant

Cardanol is an industrially-important phenol derived from cashew nut shell oil (CNSO). Cardanol is a natural phenolic resin that is obtained from the by-product of cashew nut shell oil production. The cashew nut shells are subjected to high temperature and pressure, which produces CNSO. This oil is then processed to obtain cardanol.

Its Uses and Applications

It is commonly used in coatings, adhesives, sealants, moulded parts, and composite materials. It can also be used as a component of oil-based paints and varnishes. Additionally, cardanol is an important component in the manufacture of electrical components such as transformers and cable glands.

In the medical field, cardanol has been studied for its potential uses in the formulation of drug delivery systems, biodegradable implants, and wound dressings. Additionally, cardanol has shown promise in applications related to energy storage devices such as batteries.

Global Market Outlook

The global Cardanol market was valued at US\$ 29 million in 2022 and is anticipated to reach US\$ 58 million by 2029, witnessing a CAGR of 10.3% during the forecast period 2023-2029. Cardanol is a naturally occurring phenolic compound derived from cashew nutshell liquid (CNSL), also known as Cashew Nut Shell Oil (CNSO). It is a renewable, biodegradable, and non-toxic raw material. Cardanol is used in making phenalkamines.

PROJECT COST ESTIMATE

CAPACITY

Cardanol	: 24 MT Per Day
Plant & Machinery	: ₹ 152 Lakhs
Cost of Project	: ₹ 658 Lakhs
Rate of Return	: 28 %
Break Even Point	: 60 %

Summary

It is an ideal business venture for entrepreneurs looking to invest in a growing industry. It's also an opportunity to make a positive environmental impact. As Cardanol becomes increasingly popular, more entrepreneurs should consider entering this exciting and potentially lucrative business.

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

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Start a Business of Hot Dip Galvanizing

Hot dip galvanizing is a process where metal surfaces are coated with a protective layer of zinc in order to protect them from rust and corrosion. This process involves submerging the metal part in a bath of molten zinc, which is then allowed to cool and harden. This process has been used for centuries to protect structures, machinery and other equipment from the elements. Hot dip galvanizing provides an efficient and cost-effective way of protecting metal components from corrosion and wear and tear. The process results in a thin coating of zinc which is very durable, providing long-term protection.

Benefits of Hot Dip Galvanizing

Benefit of hot dip galvanizing is its strength and durability. The zinc coating is highly resistant to rust and corrosion, meaning it can withstand extreme temperatures and weather conditions for long periods of time. This means that products coated in zinc are built to last and can provide many years of protection for their

users.

Global Market Outlook

The Global hot-dip galvanizing market is expected to grow at a CAGR of 5.5% during the forecast period, 2018-2030. Galvanization is the process of providing abrasion resistance to the metals such as iron or steel by using a zinc coating to prevent rusting. Rusting reduces the overall lifespan of the metals by reducing the tensile strength and making the outer appearance unpleasant of the metal.

Conclusion

Hot dip galvanizing is an industry that has seen significant growth in recent years, and is expected to continue to do so in the future. The process provides numerous benefits and advantages, such as cost-effectiveness, durability, strength, and environmental friendliness. That is why this industry is flourishing and continues to be a popular choice for businesses.

PROJECT COST ESTIMATE CAPACITY

All Types of MS Structure	: 120 MT Per Day
Plant & Machinery	: ₹ 619 Lakhs
Cost of Project	: ₹ 2647 Lakhs
Rate of Return	: 25 %
Break Even Point	: 42 %

Start Potato Starch Manufacturing Business

Potato starch is a carbohydrate obtained from the tuber of the potato plant and is used as a thickener and binder in many culinary dishes. It is a white powder with a mild taste and has a similar consistency to cornstarch.

Nutrition in Potato Starch?

Potato starch is rich in vitamins and minerals, making it a nutrient-rich alternative to other starches. It contains Vitamins A, B, C, and E, as well as calcium, iron, magnesium, phosphorus, potassium, sodium, and zinc. These vitamins and minerals can help to improve digestion, strengthen bones, and support cardiovascular health.

Indian Market Outlook

The potato starch market in India are the increasing demand from food processing and convenience food sectors, government initiatives to promote the use of potato starch, and the growing popularity of vegan and vegetarian products. Additionally, the use of potato starch in the pharmaceutical industry and animal feed industry is also contributing to its increased demand in India.

Global Market Outlook

The Potato Starch Market is

PROJECT COST ESTIMATE CAPACITY

Potato Starch	: 30 MT Per Day
Plant & Machinery	: ₹ 329 Lakhs
Cost of Project	: ₹ 894 Lakhs
Rate of Return	: 30 %
Break Even Point	: 57 %

projected to reach \$5.6 billion by 2029, at a CAGR of 3.9% from 2022 to 2029, while in terms of volume, the market is projected to reach 5,128.5 thousand tons by 2029, at a CAGR of 3.6% from 2022 to 2029. North America holds a commanding position in the potato starch market share on account of growing demand from the food and beverage industry.

Conclusion

Potato starch is an increasingly popular industry that has seen significant growth in recent years. Potato starch can be used in a variety of ways, making it a versatile ingredient that can be used in a range of different products. It is no wonder why the potato starch industry is booming. As the market continues to expand, we can expect to see even more growth in this sector in the coming years.

Start Production of Biodegradable Disposable Cups and Plates (Tableware) Using Sugarcane Bagasse

Bagasse is the fibrous residue that remains after sugarcane or other vegetation is harvested for its juice or sap. It's usually dried, baled, and used as a renewable source of fuel or biomass energy. It is also gaining traction in the green movement as a material for sustainable, biodegradable products such as disposable plates, cups and cutlery.

Advantages of Using Bagasse

Bagasse is completely biodegradable, which means it won't contribute to landfills or other environmental problems associated with plastic waste. In addition, the production of bagasse-based products emits less carbon dioxide than their plastic counterparts, making them more eco-friendly and sustainable.

Global Market Signal

The biodegradable tableware market is expect-

ed to be growing at a growth rate of 6.0% for the forecast period of 2022 to 2029. The global market for biodegradable disposable cups and plates made from sugarcane bagasse has seen significant growth. This is due to increased awareness of environmental sustainability and waste reduction among consumers and the availability of various types of sugarcane bagasse tableware products in the market.

Conclusion

Entrepreneurs should consider entering the biodegradable disposable cups and plates (tableware) business using sugarcane bagasse due to its numerous benefits. Not only is it environmentally friendly, but there is a growing demand for this type of product and the cost of producing it is relatively

PROJECT COST ESTIMATE

CAPACITY:

Biodegradable Disposable Cups	: 333 Thousand Pcs Per Day each 9gm wt.
Biodegradable Disposable Plates	: 187 Thousand Pcs Per Day each 16gm wt.
Plant & Machinery	: ₹ 1924 Lakhs
Cost of Project	: ₹ 2687 Lakhs
Rate of Return	: 24 %
Break Even Point	: 38 %

low. The use of sugarcane bagasse is becoming increasingly popular among consumers as they seek more sustainable options. This means that there is a growing demand for this type of product, making it a great opportunity for entrepreneurs looking to get into the market.

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Manufacturing Business of Truck Trailer (Sidewall, Flatbed, Bulker, Tip Trailer & Container Trailer)

Truck trailers are an essential part of any freight transportation business. They are used to haul a variety of goods such as automobiles, furniture, construction equipment, and agricultural products. Depending on the type of goods being transported, there are several different types of truck trailers available on the market. These include sidewall trailers, bulker trailers, flatbed trailers, tip trailers, and container trailers.

Uses and Applications of Truck Trailer

Truck Trailers are one of the most common types of vehicles used in the transportation industry. They come in various sizes, shapes and designs, allowing for a variety of uses and applications. They are typically used to transport goods, materials, and other cargo over long

PROJECT COST ESTIMATE

CAPACITY:	
Flatbed Trailer Size 45 Feet	: 120 Nos. Per Annum
Tripper Trailer Capacity: 30 Ton	: 120 Nos. Per Annum
Container Trailer Size 40 Feet	: 180 Nos. Per Annum
Side Wall Trailer Size 40 Feet	: 180 Nos. Per Annum
Bulker Trailer Size 50 Ton	: 120 Nos. Per Annum
Plant & Machinery	: ₹ 313 Lakhs
Cost of Project	: ₹ 484 Lakhs
Rate of Return	: 24 %
Break Even Point	: 69 %

distances.

Global Market Outlook

The Global Truck Trailer Market stood at

USD350.92 billion in 2020 and is expected to grow at a CAGR of around 6.18% to reach USD504.98 billion in 2026. The rise in the investments made by leading authorities of developing economies for the development of the transportation sector and infrastructure development, ongoing construction activities, and launch of new models of the truck trailer are the primary factors driving the growth of the Global Truck Trailer Market in the forecast period.

Conclusion

Their versatility and efficiency make them an ideal choice for all sorts of businesses, from shipping companies to construction sites. By investing in quality truck trailers, businesses can ensure that their operations are efficient and their goods arrive safely at their destinations.

A Business Plan for Wire Nails

Wire nails are a type of fastener, often used in construction and building projects. Wire nails are created by taking a piece of wire, typically steel, and cutting it into the desired shape. This is usually done with a tool called a nail heading machine, which works by hammering the wire in one direction while a rotating wheel cuts it. The wire is then cut to size and hammered down on one side to create the head. After this, the nails are then heat treated to harden them and make them more durable. The most common shapes of wire nails are round, flat, and twisted.

Uses and Application

Wire nails can also be used in industrial applications such as attaching lintels and reinforcing steel beams, in addition to these applications. Wire nails are an important component of many construction projects and have a wide range of applications. They are strong, durable, and long-lasting as a general purpose fastener. They are reasonably priced, simple to install, and can be used in a variety of materials, including wood, concrete, stone, brick, and metal.

Scope for Startups in the Wire Nails Industry

There is an increasing demand for custom-made wire nails, which could provide excellent opportunities for new businesses. Entrepreneurs can create custom designs and specifications to meet customer demands with a small investment.

PROJECT COST ESTIMATE

CAPACITY

Wire Nails	: 160 MT Per Day
Plant & Machinery	: ₹ 2635 Lakhs
Cost of Project	: ₹ 3550 Lakhs
Rate of Return	: 27 %
Break Even Point	: 60 %

Indian Market Outlook

The Indian wire nail industry is one of the country's fastest-growing industries. The wire nail market in India is estimated to be worth Rs 4000 crores, with a CAGR of more than 8% expected. The rising demand for wire nails in various end-user industries such as building and construction, furniture and furnishing, automobile, and electronics and appliances is driving this growth.

Global Market Outlook

The global market for wire nails is expanding rapidly, with the industry's estimated value increasing by more than \$5 billion by 2020. A variety of factors, including rising home renovation and construction activities and the thriving e-commerce sector, have contributed to the increased demand for wire nails.

Conclusion

The demand for wire nails is expected to remain strong for the foreseeable future. This makes it an ideal time for entrepreneurs to enter the market and capitalize on the increased demand for wire nails.

Start Production of Potato Powder, Starch & Flakes

Potato Powder, Starch & Flakes are a range of products derived from the tuber of the potato plant. Potato powder is created when potatoes are peeled, dried and then ground into a fine powder. The flakes are made when potato starch is heated and dried, forming thin flakes. The process of making potato starch is not complicated and can be done with minimal equipment.

Uses and Application of Potato Powder, Starch & Flakes

Potato powder, starch and flakes are used in a variety of applications across industries. In food production, potato powder is often used as an ingredient in soups and sauces, or to thicken and stabilize products like yogurt, ice cream and cheese. It can also be used to enhance the flavor and texture of baked goods, such as cookies and cakes. Flakes made from potatoes are becoming increasingly popular in snack foods like chips and crackers, as well as in batters for fried foods.

PROJECT COST ESTIMATE

CAPACITY:	
Potato Powder	: 500 Kgs Per Day
Potato Starch	: 500 Kgs Per Day
Potato Flakes	: 500 Kgs Per Day
Plant & Machinery	: ₹ 40 Lakhs
Cost of Project	: ₹ 241 Lakhs
Rate of Return	: 27 %
Break Even Point	: 58 %

Indian Market Outlook

The demand for potato powder, starch and flakes has been rising steadily in India due to the increasing awareness about its health benefits. Potato powder, starch and flakes are rich in dietary fibre, vitamins, minerals and antioxidants which make them a healthy and nutritious choice.

Conclusion

Overall, the versatility of potato powder, starch and flakes makes them useful in a variety of industries, including food production, animal feed production, and even cosmetics. As demand for these products grows, the industry is continuing to boom.

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Setup Plant of Premix Tea and Coffee

Cappuccino, Vanilla Flavoured Coffee, Mocha Coffee, Masala Chai, Ginger Tea & Green Tea (for Diabetic and Non Diabetic)

Premix Tea and Coffee Cappuccino, Vanilla Flavoured Coffee, Mocha Coffee, Masala Chai, Ginger Tea & Green Tea are all products that have been specially developed for both diabetic and non-diabetic consumers. They are available in a range of flavors, each with its own unique characteristics. Green Tea is an ideal choice for those who are looking to reduce their sugar intake or follow a healthier lifestyle. All of these products provide health benefits, including improved digestive health and weight management.

The health benefits of Premix Tea and Coffee

The health benefits of premix tea and coffee are numerous. For instance, the antioxidant properties of green tea can help protect the body from free radicals, while ginger tea

may help reduce inflammation. The caffeine content of premix tea and coffee can also boost alertness and mental clarity. Furthermore, it can help with digestion, as well as provide a boost to the immune system.

Scope for Startups in the Premix Tea and Coffee Industry

Premix Tea and Coffee is rapidly gaining popularity, particularly with the rise of health-conscious consumers. As the demand for this product increases, the scope for startups in the premix tea and coffee industry is also on the rise. With the right kind of product and marketing strategies, startups can capitalize on this trend and create a successful business.

Global Market Outlook

The global premix tea and coffee market is estimated to reach USD 2.26 billion by 2027 and is projected

to grow at a CAGR of 4.8% over the forecast period. Factors such as increased consumption of organic beverages, rising disposable income, and rapid urbanization in developing countries are driving the growth of the global market.

Conclusion

Premix Tea and Coffee is a booming industry with great potential for startups. It is an easy and convenient way to enjoy a cup of tea or coffee anytime, anywhere. Not only is it cost effective but it also offers a variety of flavors that cater to both

PROJECT COST ESTIMATE

CAPACITY:	
Premix Tea (Masala Chai) 100 g Pack	: 400 Packs Per Day
Premix Tea (Masala Tea) 100 g Pack	: 400 Packs Per Day
Premix Coffee (With Sugar) 22g Pack	: 1,818 Packs Per Day
Premix Coffee (Without Sugar) 16g Pack	: 2,500 Packs Per Day
Premix Coffee (With Vanilla for Diabetic) 22g Pack	: 1,818 Packs Per Day
Plant & Machinery	: ₹ 13 Lakhs
Cost of Project	: ₹ 119 Lakhs
Rate of Return	: 35 %
Break Even Point	: 49 %

diabetics and non-diabetics. With the right business strategies, Premix Tea and Coffee can be very profitable. All in all, it is an exciting industry to enter and explore.

A Business Plan for Wall Putty

Wall putty is a type of filler used to fill the holes and defects in plastered surfaces. It is also used to cover wall imperfections and provide a smooth, even surface for painting. Wall putty is an essential product in the construction industry as it helps to enhance the aesthetics of the walls and protect them from damage. It provides protection against humidity and prevents the growth of fungi or mildew on walls. Wall putty also helps to increase the durability of the wall surface and protect it from external elements such as wind, rain, and dust.

Scope of Starting This Industry

The wall putty business is an ever-growing industry and the potential for growth is immense. There are a number of factors that make this a great opportunity to explore. Firstly, the increase in construction activity across the globe is driving demand for wall putty as it is an essential product in the construction industry. Secondly, the rising disposable incomes are fuelling the growth of the wall putty market. Thirdly, the growing population is also driving the demand for wall putty.

PROJECT COST ESTIMATE

CAPACITY	
Wall Putty	: 1,850 Bag Per Day
Plant & Machinery	: ₹ 56 Lakhs
Cost of Project	: ₹ 412 Lakhs
Rate of Return	: 26 %
Break Even Point	: 61 %

Indian Market Prediction

The Indian wall putty market is expected to grow at a CAGR of 6.7% between 2021 and 2026. This growth is largely due to the increasing

construction activity in the country, as well as the growing demand for luxury homes. The rise in disposable income levels among Indian households has also boosted the demand for interior decoration and premium home improvement products, including wall putty.

Global Market Prediction

Wall Putty Market was valued at USD 3.75 Billion in 2019 and is projected to reach USD 6.45 Billion by 2027, growing at a CAGR of 7.0 % from 2020 to 2027. With the rising number of infrastructure and residential as well as commercial projects, the demand for Wall Putty is increasing.

Conclusion

Starting a wall putty business can be very rewarding if you have the right resources and knowledge. With the right preparation and execution, you can make your wall putty business a success.

E-Waste & Lithium Battery Recycling Plant

Electronic Waste – or e-waste – is the term used to describe old, end-of-life electronic appliances such as computers, laptops, TVs, DVD players, mobile phones, mp3 players etc. Technically, electronic "waste" is the component which is dumped or disposed or discarded rather than recycled, including residue from reuse and recycling operations.

Recycling of used lithium batteries has primarily focused on extracting active metal cobalt (Co) and lithium (Li).

According to E-Waste Market in India 2015-2019 research, the need to prevent biological hazards is one of the

major trends upcoming in this market. Indians become richer and spend more on electronic items and appliances, computer equipment accounts for almost 70% of e-waste material, followed by telecommunication equipment (12%), electrical equipment (8%) and medical equipment (7%). Other equipment, including household account for the remaining 4%. As a whole any entrepreneur can venture in this project without risk and earn profit.

PROJECT COST ESTIMATE

CAPACITY	
E-Waste & Lithium Battery : 20 MT/Day Recycling Plant	
Plant & Machinery	: ₹ 225 Lakhs
Cost of Project	: ₹ 540 Lakhs
Rate of Return	: 26%
Break Even Point	: 59%

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

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Setup Plant of Lithium Ion Battery (Battery Assembly)

Lithium-ion or Li-ion battery is a type of rechargeable battery which uses the reversible reduction of lithium ions to store energy. It is the predominant battery type used in portable consumer electronics and electric vehicles. It also sees significant use for grid-scale energy storage and military and aerospace applications. Compared to other rechargeable battery technologies, Li-ion batteries have high energy densities, low self-discharge, and no memory effect.

Scope for Startups in the Lithium Ion Battery Industry

Due to increased adoption of renewable energy sources such as solar and wind energy, the lithium ion battery market is expected to grow significantly over the next few years. This expansion provides an opportunity for startups to develop innovative products and services that can capitalise on this expansion. Startups can concentrate on improving battery packs for electric vehicles and consumer electronics, developing more efficient charging solutions, or even launching rental programmes that allow customers to rent lithium ion batteries for short periods of time.

PROJECT COST ESTIMATE

CAPACITY

Lithium-Ion Battery	: 60,000 Nos Per Annum
Plant & Machinery	: ₹ 172 Lakhs
Cost of Project	: ₹ 812 Lakhs
Rate of Return	: 29 %
Break Even Point	: 61 %

Indian Market Outlook

The India lithium-ion Battery Market was valued at US\$ 1.91 billion in 2021 and is expected to reach US\$ 5.2 billion in 2029. Over the forecast period, the global India lithium-ion battery market is expected to grow at a CAGR of 15.3%. Smartphones, laptop computers, alarm clocks, watches, and remote controls all make extensive use of lithium-ion batteries. The country's population and disposable income have a significant impact on consumer electronics sales.

Global Market Outlook

The global lithium-ion battery market was worth USD 41.97 billion in 2021 and is expected to grow at an 18.1% compound annual growth rate (CAGR) from 2022 to 2030.

Conclusion

Lithium-ion batteries are the future of energy storage due to their numerous advantages such as high energy density, low maintenance costs, and relatively long life spans. Furthermore, lithium-ion battery assembly is a booming business that has great potential for growth and expansion in the near future.

A Business Plan for Sodium Bicarbonate from Soda Ash

Sodium bicarbonate (NaHCO_3) is a naturally occurring white powder, also known as baking soda that can be extracted from certain types of soda ash. Soda ash is a type of natural mineral deposit that is primarily composed of sodium carbonate (Na_2CO_3).

By using different processes and techniques, it is possible to break down the sodium carbonate into its component elements, sodium and carbon, and combine them with water to form sodium bicarbonate.

Uses and Applications of Sodium Bicarbonate

Sodium bicarbonate, also known as baking soda, is a versatile and affordable substance that can be used for a variety of applications. One of its primary uses is in baking, where it acts as a leavening agent to make cakes and breads rise. Sodium bicarbonate is also a common household cleaner, used to neutralize odors, absorb grease and oil, and remove stains from fabrics.

Benefit of Starting Sodium Bicarbonate from Soda Ash Business

Firstly, it is highly efficient; the amount of energy required to produce the material is

PROJECT COST ESTIMATE CAPACITY

Sodium Bicarbonate	: 100 MT Per Day (Powder)
Plant & Machinery	: ₹ 1765 Lakhs
Cost of Project	: ₹ 3248 Lakhs
Rate of Return	: 26 %
Break Even Point	: 73 %

significantly lower than that required to produce it in its traditional form. Secondly, the process generates very little waste material and pollution, making it far more sustainable than other manufacturing methods. Finally, the use of sodium bicarbonate as a primary ingredient in many

products helps to reduce the amount of other potentially hazardous materials that may be released into the environment.

Global Market Indication

The global Sodium Bicarbonate market is expected to reach US\$ 2.37 Bn. in 2029, with a CAGR of 4.96% for the period 2022-2029, because of the increased usage of sodium bicarbonate in various end-use industries such as food, animal feed, pharmaceuticals, and etc. Increased use of food and technical grades of sodium bicarbonate is likely to boost growth even further.

Conclusion

For entrepreneurs looking to capitalize on the increasing demand for sodium bicarbonate from soda ash, now is the time to do so. The market for this product is booming and the demand for this product is growing steadily.

Start N.C. Thinner Manufacturing Plant

Nitrocellulose thinning is a process where nitrocellulose (NC) is used to reduce the viscosity and improve the flow of liquid paints and coatings. Nitrocellulose is a highly flammable material which is made from wood pulp, cotton, or other cellulosic materials. It is used in a variety of industries, from automotive paints to adhesives and from solvents to printing inks.

Applications and Benefit of Nitrocellulose Thinners

Nitrocellulose thinners are also used in automotive and industrial applications, such as engine degreasing and car body refinishing. They are also often used in arts and crafts to make glues and inks.

Indian Market Estimation

Nitrocellulose has been a major part of the Indian market for many years. It is used in a wide range of industries and applications, including automotive, electronics, textiles, and chemicals. Nitrocellulose is known for its excellent properties such as flexibility, durability, and good electrical insulation.

Global Market Estimation

The global nitrocellulose market size was

PROJECT COST ESTIMATE

CAPACITY:

Ordinary Thinner	: 2,000 Ltrs Per Day
Medium Grade Thinner	: 2,000 Ltrs Per Day
High Grade Thinner	: 1,000 Ltrs Per Day
Plant & Machinery	: ₹ 36 Lakhs
Cost of Project	: ₹ 150 Lakhs
Rate of Return	: 29 %
Break Even Point	: 70 %

valued at USD 789.7 million in 2022 and is anticipated to grow at a compound annual growth rate (CAGR) of 4.9% from 2023 to 2030. Asia Pacific dominated the industry in 2022 and accounted for the maximum share of more than 45.55% of the overall revenue.

Conclusion

The nitrocellulose thinning industry has grown dramatically in recent years and is expected to continue growing in the near future. It has become an essential part of the industrial world due to its ability to provide high-quality, efficient, and low-cost solutions. It can be used for a variety of purposes, including coating materials and improving paint quality.

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 EACH DETAILED PROJECT REPORT (BUSINESS PLAN) CONTAINS

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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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SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT

Edible Oils, Non Edible Oils, Fats, Vegetable Fats and Oils, Corn Oil, Cooking Oils, Rice Bran Oil, Castor Oil, Sesame Oil, Linseed Oil, Vanaspati Ghee



- » Black Pepper Oil
- » Calcium Salt of Higher Fatty Acid using Cotton Seed Oil
- » Cardamom Oil
- » Cashew Nut Shell Oil
- » Castor Oil & Its Derivatives
- » Castor Oil (Extraction and Refining)
- » Castor Oil from Castor Seeds
- » Celery Seed Oil
- » Chili Oil
- » Coconut Oil from Copra
- » Compound Wax from Residual Oil
- » Copra Oil
- » Corn Oil (Maize Oil)
- » Cotton Seed Delinting, Crushing and Refining of Oil
- » Cotton Seed Delinting, Dehulling and Oil Extraction
- » Edible Corn Oil
- » Edible Oil Industry
- » Edible Oil Refinery (Sunflower Oil, Groundnut Oil & Rice Bran Oil)
- » Edible Oil Refinery from Crude Palm Oil
- » Edible Oil Refinery Unit
- » Edible Vegetable Oil
- » Essential Oil from Flowers and Leaves
- » Essential Oils Extraction (Lemongrass, Citronella, Lavender, Rosemary and Peppermint)



- » Eucalyptus Oil
- » Extraction of Jasmine Flowers
- » Extraction of Oil (Jeera, Ajwain, Ginger, Cardamom Oil)
- » Extraction of Oil from Artemisia Vulgaris
- » Extraction of Sesame, Rice Bran & Palm Oil
- » Extraction of Spice Oleoresin (Chilly)
- » Fatty Acid based on Sunflower Acid Oil
- » Filtration and Airtight Packing of Coconut Oil
- » Fractional Distillation of Essential Oils and Medicinal Plant Extracts
- » Ghee Manufacturing Unit
- » Groundnut Oil Production and Refining Business
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- » Jatropha Plantation and Oil Extraction (Used as Bio Fuel)
- » Linseed Oil Manufacturing
- » Mahuwa Oil
- » Menthol Oil, Clove Oil & Citronella Oil
- » Mustard Oil Mill
- » Neem Oil
- » Neem Oil (Cold Process)
- » Neem Oil and Neem Cake
- » Oil Refinery (Cotton Seed- Ground Nut & Sunflower Oil)
- » Olive Oil



- » Palm Oil Production and Processing
- » Patchouli Oil
- » Peanut Oil
- » Poppy Seed Oil by Expeller Process
- » Refining of Crude Soyabean and Palm Oil
- » Rice Bran based Solvent Extraction Plant
- » Rice Bran Oil with Rice Mill and Captive Power Plant (Integrated Unit)
- » Rice Mill, Rice Bran Oil Extraction with Captive Power Plant
- » Rose Oil Extraction
- » Rose Plantation and Rose Oil Extraction
- » Sesame Oil
- » Solvent Extraction Plant (Soyabean Oil and Cake)
- » Soya Bean Oil, Soya Paneer & Soya Extract
- » Soya Lecithin
- » Soybean and Palm Oil Refining
- » Spice Oil Extraction from Curry Leaves
- » Transformer Oil
- » Turkey Red Oil
- » Vanaspati Ghee
- » Vegetable Crude Oil (Solvent Extraction Plant)
- » Virgin Coconut Oil
- » Wetting Oil (Textile Yarn Wetting Agent)



Edible Oils

- » Cashew Nut Shell Oil
- » Castor Oil
- » Castor Oil (Extraction and Refining)
- » Chili Oil
- » Coconut Oil from Copra
- » Copra Oil
- » Corn Oil (Maize Oil)
- » Cotton Seed Delinting, Dehulling and Oil Extraction
- » Edible Corn Oil
- » Edible Oil
- » Edible Oil Refinery
- » Edible Oil Refinery (Sunflower Oil, Groundnut Oil & Rice Bran Oil)
- » Edible Oil Refinery from Crude Palm Oil
- » Edible Vegetable Oil
- » Essential Oils Extraction (Lemongrass, Citronella, Lavender, Rosemary and Peppermint)
- » Extraction and Refining of Castor Oil



- » Extraction of Oil (Jeera, Ajwain, Ginger, Cardamom Oil)
- » Extraction of Sesame, Rice Bran & Palm Oil
- » Filtration and Airtight Packing of Coconut Oil
- » Fish Oil (Production and Refining) with Fish Meal
- » Groundnut Oil Production and Refining
- » Linseed Oil
- » Mustard Oil Mill
- » Oil Refinery (Cotton Seed- Ground Nut & Sunflower Oil)
- » Olive Oil
- » Palm Oil
- » Palm Oil (Refined, Bleached)
- » Palm Oil Production and Processing
- » Peanut Oil
- » Poppy Seed Oil By Expeller Process
- » Refined Oils (Cottonseed Oil, Groundnut Oil & Sunflower Oil)



- » Refined Rice Bran Oil
- » Refined Vegetable Oil
- » Refining of Crude Soyabean and Palm Oil
- » Rice Bran Oil
- » Rice Bran Oil with Rice Mill and Captive Power Plant (Integrated Unit)
- » Sesame Oil Vanaspati Ghee
- » Solvent Extraction Plant (Soyabean Oil and Cake)
- » Solvent Extraction Plant and Refining (Based on Rice Bran, Soya and other Oil Seeds)
- » Soya Bean Oil, Soya Paneer & Soya Extract
- » Soya Lecithin
- » Soybean and Palm Oil Refining
- » Sunflower Cultivation with Sunflower Oil
- » Sunflower Oil
- » Toilet Soap
- » Vegetable Crude Oil (Solvent Extraction Plant)
- » Virgin Coconut Oil



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

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Electrical, Electronic Industries and Power Projects



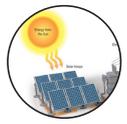
- » Air Conditioner (Window Type)
- » Air Cooler
- » Alternator
- » Aluminium Bare Conductors
- » Aluminium Cables and Conductors
- » Aluminium Conductors (AAAC and ACSR)
- » Aluminium Electrolytic Capacitor
- » Auto Bulb, Lamp
- » Bakelite Electrical Accessories (WS-5)
- » Battery for Auto Vehicles
- » Battery Operated Ride on Car for Kids
- » Brushless DC Motor (BLDC) Fan Production
- » Capacitors
- » Captive Power Plant
- » Carbon Brushes
- » Ceiling Fans, Wall Switches and Sockets
- » Ceramic Heater Plate
- » Compact Copper Tube Light Choke
- » Compact Fluorescent Lamps (CFL)
- » Control Panel Manufacturing
- » Copper Wire Drawing, Annealing & Enamelling
- » Digital Cinema Projector Equipment and Software Development
- » Dish Antenna & Satellite Network Equipment
- » Distribution Transformers and Repairs
- » Dosing Pump
- » Dry Cell
- » Electric Arc Furnace
- » Electric Energy Meter
- » Electric Fan
- » Electric Geyser
- » Electric Motor
- » Electric Motor Rewinding Business
- » Electric Motors
- » Electric Switches, Plugs, Sockets and other Accessories
- » Electrical Control Panel
- » Electrical Extension Cord
- » Electrical Insulating Tape Using Bopp Film
- » Electrical Lamp
- » Electrical Power Transformers (Repair & Refurbishment)
- » Electrical Stamping
- » Electronic Ballast (Choke)
- » Electronic Cut Out for Automobile
- » Electronic Digital Weighing Machine
- » Electronic Energy Meter



- » E-Waste Recycling Plant (Electronic Waste, E-Waste, E-Scrap, or Waste Electrical and Electronic Equipment (WEEE))
- » F.H.P Motors
- » Fiber Optical Cables
- » Fluorescent Tube
- » Gas Detectors of L.P.G.
- » Graphite Electrode for Arc Furnace
- » Halogen Lamps
- » Heat Exchanger (Fin Type)
- » House Wire
- » How to Start Kids Electronic Toys Factory
- » Immersion Heater
- » Inner Grooved Copper Tube
- » Instrument Cable
- » Insulator (HT & LT)
- » Insulator (Made by Fiber Glass & Reinforced Plastics by Hand Moulding Press)
- » Inverters 50 Hz 100 to 1000 KVA
- » Jelly Filled Cables
- » Lamp Shades and Chandeliers
- » Lead Acid Battery
- » Lead Acid Maintenance Free Battery
- » Lead Battery Recycling
- » LED Street Light Assembling
- » Light Emitting Diode (LED)
- » Lithium Ion Battery (Battery Assembly)
- » Lithium-Ion Battery (LIB) Manufacturing
- » Low Tension Cables, LT Power Cables Manufacturing
- » LT Cable
- » LV Control & Power Cables, MV Cables
- » Maintenance Free Rechargeable Battery
- » Manufacturing of Catenary Wires and Conductors used in Railway Electrification
- » Microwave Oven
- » Miniature Circuit Breaker (MCB)
- » Modular Electrical Switches
- » Motors Industry
- » Multilayer Printed Circuit Boards
- » Neon Bulb
- » Nuts and Bolts (MS Fasteners)
- » Nylon Coating on Zinc Wire (Wire "O" Wire)
- » Optical Fiber Cable
- » PCB (Printed Circuit Board) (Multilayer)
- » Plastic Battery Containers
- » Plastic Cards for Telephone
- » Plastic Seals for Electricity Meters
- » Porcelain Insulator



- » Porcelain Insulator (LT & HT)
- » Power Cable
- » Power Transformer
- » Power Transformer Upto 40 MVA
- » Pre-Compressed Pressboard
- » Printed Circuit Board
- » Production of BLDC (Brushless DC Motor) Fan
- » PVC & XLPE Cables
- » PVC Battery Separator
- » PVC Electric Wires & Cables
- » PVC Insulated Winding Wires for Submersible Motors
- » PVC Wire & Cables
- » Repair & Refurbishment of Power Transformers
- » Resin Cored Soldering Wire
- » Rewinding of Burnt Electric
- » Rewinding of Burnt Electric Motors
- » R-F Coaxial Cable
- » Rosin Cored Soft Soldering Wire
- » Selenium Coated Aluminium Drum used in Plain Paper Copier
- » Set Top Box
- » Single Core Flexible Cable (FR LSF PVC Insulated)
- » Soft & Hard Ferrites
- » Solar Panel & Electronic Toys
- » Solar Photovoltaic System
- » Solar Power Plant
- » Solder Wire & Flux
- » Spark Plug
- » Submersible Pump & Motor
- » Switch Mode Power Supply (SMPS)
- » Thermal Power Plant (5 MW)
- » Thermocouple
- » Transformer Oil
- » Transistor and Semiconductor
- » Transmission Tower & Tele Communication Tower with Galvanizing Plant
- » Tungsten Carbide Rod
- » Uninterrupted Power Supply (UPS)
- » Voltage Stabilizer Using IC Timer
- » Washing Machine & Geyser
- » Waste Electrical and Electronic Equipment (WEEE)
- » Wind Mill
- » Workshop for Motors of Low Voltage (Up-To 1000v) and Distribution Transformers (Maintenance, Overhauls and Repairs)



Electroplating, Metal Polishing, Anodizing, Phosphating, Metal Finishing and Powder Coating

- » Aluminium Anodizing Plant
- » Brass and Aluminium Hinges
- » C P Bath Room Fitting (Chrome Plated)
- » Chrome Plating
- » Corrugated Galvanized Sheet
- » Electroplating of Gold & their Chemical Treatment in Golden Colour on Silver Thread



- » Galvanising of Zinc (By Electrical Process)
- » Hard Chromium Plating
- » Hot Dip Galvanizing Plant
- » Led Street Light Assembling
- » Metal Polish Soap
- » Plating on Plastics, Electroplating on Plastics, Silver & Gold Plating on PVC and Nylon-6



- » Transmission Towers & Tele Communication Towers with Galvanizing Plant
- » Vacuum Metalising Process
- » Workshop for Motors of Low Voltage (Up-To 1000v) and Distribution Transformers (Maintenance, Overhauls and Repairs)
- » Zinc Brightener

Profitable Business Industry of Electric Motors

An electric motor is a machine that turns electricity into mechanical energy. The bearing journals and rotor diameter are finish-machined as a rotor assembly by some motor manufacturers, notably those producing sizes of 5 hp and more. This technique ensures that the bearing journals and rotor diameter are perfectly aligned.

The interaction between the motor's magnetic field and electric current in a wire winding generates force in the form of torque imparted to the motor's shaft in most electric motors.

The following are some of the uses for electric motors.

- Blowers, fans, machine tools, pumps, turbines, power tools, alternators, compressors, rolling mills, ships, movers, and paper mills are all

PROJECT COST ESTIMATE	
CAPACITY:	
5 KW Three Phase Induction Motors	: 120 Nos Per Day
10 KW Three Phase Induction Motors	: 120 Nos Per Day
10 KW Brushed DC Motors	: 120 Nos Per Day
Automated Water Pump 5 KW Three Phase Induction Motors	: 120 Nos Per Day
Plant & Machinery	: ₹ 467 Lakhs
Cost of Project	: ₹ 3949 Lakhs
Rate of Return	: 26%
Break Even Point	: 41%

examples of electrical motor applications.

- The electric motor is used in a variety of applications, including HVAC (heating, ventilation, and air conditioning), home appliances, and motor vehicles.

Due to the presence of a large number of participants, including huge corporations and small and medium-sized businesses, the Indian market for electric motors is highly fragmented. During the period 2020-2026, the India Electric Motors Market is expected to develop at a CAGR of 5.9%. The growing popularity of electric vehicles is propelling the global and Indian electric motor markets to new heights. Due to growing fuel prices and rigorous laws aimed at reducing air pollution levels across the country, demand for automobile electric motors is likely to increase in the coming years. Furthermore, the FAME II programme for 100 percent vehicle electrification, the Make in India programme, and other programmes aimed at helping India realise its goal of becoming a global manufacturing hub will continue to drive demand for electric motors in the country.

Production of Crumb Rubber Powder from Waste Tyres

Crumb rubber is a term usually applied to recycled rubber from automotive and truck scrap tires. There are two major technologies for producing crumb rubber – ambient mechanical grinding and cryogenic grinding. Of the two processes, cryogenic process is more expensive but it produces smoother and smaller crumbs.

Waste tyre recycling technology is very cost effective and performs 100% wastage tyre recycling (No churn left after the process). In this process no chemical ingredients are used, therefore it is environment friendly. Raw material (scrap tyre) is cheap and easily available, Generate economically valuable products out of waste tyres and products have good market value and demand. Also each recycled ton of tyres preserves 10 tons of carbon dioxide (CO2) that is a major greenhouse gas.

Features of Tyre Recycling Plant:

1. Compact structure, small floor area, easy maintenance.
2. Low energy consumption, low operating cost.
3. Easy operation, stable performance.
4. Large capacity, high working efficiency.
5. High automatic control, reducing labor cost.
6. Long service life, low rate of breakdown.
7. Eco-friendly. No sewage and waste gas discharge.

PROJECT COST ESTIMATE	
CAPACITY:	
Crumb Rubber Powder	: 24 MT Per Day
By Product Steel Wire	: 4.8 MT Per Day
Plant & Machinery	: ₹ 115 Lakhs
Cost of Project	: ₹ 426 Lakhs
Rate of Return	: 28%
Break Even Point	: 66%

There is a rapid market increase of rubber powder in India. Demand of rubber powder in India is increased by 5%-8%. There is fair scope of this product. Every year over 1.6 billion new tires are generated and around 1 billion of waste tires are generated. However, the recycling industry processed only 100 million tires every year. The tire is extensively designed with several complex processes which makes it indestructible in nature and creates difficulty in the recycling of tires.

Furthermore, the growing implementation of crumb rubber generated from scrap tires is supporting the growth of the tire recycling market. In 2016, over 30% of crumb rubber used on sports fields and 25% of crumb rubber used as playground surfacing which is expected to create a significant disruption of the tire recycling market. Application of rubberized asphalt for the construction of pavements is also generating a pool of opportunities for tire recyclers and is expected to fuel the growth of the tire recycling market in the near future.

Lead Production (Litharge, Refined Lead, Red Lead & Grey Lead)

Lead is a relatively soft metal with bluish-white lusture but on exposure to air, it becomes covered by a dull, gray layer of basic carbonate that adheres closely and protects it from further oxidation or corrosion. It is an important component of batteries, and about 75% of the world's lead production is consumed by the battery industry. Lead is also commonly used in glass and enamel.

India Lead Acid Battery Market is projected to grow at a CAGR of over 9% during 2018-24. India lead acid battery market is projected to reach \$ 7.6 billion by 2023. Anticipated growth in the market can be attributed to booming demand for automobiles, in addition to increasing focus of the government towards boosting the penetration of electric vehicles in the country. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE	
CAPACITY:	
Litharge	: 960 MT/Annum
Refined Lead	: 1800 MT/Annum
Red Lead	: 440 MT/Annum
Grey Lead	: 525 MT/Annum
Plant & Machinery	: ₹ 82 Lakhs
Cost of Project	: ₹ 361 Lakhs
Rate of Return	: 31%
Break Even Point	: 54%

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.

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%

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.

Bio-Degradable Plastic Polymer from Corn

Corn is a popular source for materials that can be recycled into bio-degradable plastic polymers. Most people know that corn is a major crop in America, but they may not have known the amount of corn crops are actually used to make plastic products. Corn has the potential to be one of the most sustainable crops in America because it produces biodegradable plastics, which are made from renewable resources, and these plastics are also recyclable.

Benefits of Bio-Degradable Plastic Polymer

Biodegradable plastics are a type of plastic that break down in the environment instead of remaining there as a contaminant. Currently biodegradable plastics are used for packaging food products or other materials that need protection from degradation during shipping. Bioplastics will soon replace most petroleum-based products which is an excellent way to reduce greenhouse gas emissions and global warming.

PROJECT COST ESTIMATE

CAPACITY

Bio-Degradable Plastic Polymer	: 10,000 MT Per Annum
Plant & Machinery	: ₹ 6058 Lakhs
Cost of Project	: ₹ 8100 Lakhs
Rate of Return	: 28%
Break Even Point	: 38%

Indian Market Outlook

India Bio plastics Market was valued at US\$ 320.13 Mn. in 2021 and expected to reach US\$ 1060.77 Mn. by 2027 at a CAGR of 22.1% during 2022-2027. As the country's population continues to grow, there is an increasing demand for sustainable and eco-friendly products.

Global Market Outlook

In 2021, it was predicted that the global market for biodegradable plastic would be worth USD 4.1 billion. During 2022-2030, it is anticipated to increase at a compound annual growth rate (CAGR) of 9.7%. One of the main trends driving market expansion is governments banning the use of single-use plastic together with increased public awareness of the negative consequences of plastic waste.

Recycling of Lithium Ion Battery Business

Because of the popularity of smart phones and tablets, the demand for lithium ion batteries has surged substantially in recent years. Because these devices include hazardous materials that must be properly disposed of to avoid contamination of the environment, recycling these batteries is now more crucial than ever.

PROJECT COST ESTIMATE

CAPACITY:	
Copper	: 1.4 MT Per Day
Aluminium	: 0.8 MT Per Day
Graphite	: 1.8 MT Per Day
Carbon Black	: 0.3 MT Per Day
Lithium Cobalt Oxide	: 2.5 MT Per Day
Plastic	: 0.2 MT Per Day
Plant & Machinery	: ₹ 200 Lakhs
Cost of Project	: ₹ 422 Lakhs
Rate of Return	: 27%
Break Even Point	: 55%

Lithium-ion batteries are becoming more prevalent. They're already used in cell phones, laptops, consumer electronics, and some industrial applications. Telecom towers, solar storage systems, and electric vehicles are all using them. Battery specialists and environmentalists agree that lithium-ion batteries should be recycled for a variety of reasons.

According to estimates, India's yearly lithium-ion battery industry would expand at a 37.5 percent compound annual growth rate (CAGR) from now until 2030, when it will reach 132 GWh. The global lithium-ion battery market will have risen from 2.9 gigawatt-hours in 2018 to around 800 gigawatt-hours by 2030.

A Business Plan for Packaged Drinking Water

from Deep Sea Water

Packaged drinking water means water derived from surface water or underground water or sea water. Water is generally defined as a liquid which is shaped by the container that it is filled in and is able to have many variants of colors. It is the crucial component for all living things.

Uses and Applications

Packaged drinking water is a safe and convenient way to ensure you're getting clean water. It's a great way to stay hydrated without having to lug around a water bottle. The most common use of packaged drinking water is as an alternative to the standard bottled water at places such as restaurants, schools, offices, and other work environments.

Indian Market

The Indian packaged drinking water market is expected to grow at a CAGR of around 15% during the forecast period of 2020-2025. The market is driven by the growing health consciousness among consumers, rising disposable incomes, and changing lifestyles.

PROJECT COST ESTIMATE

CAPACITY

Packaged Drinking Water	: 80,000 Bottles Per Day
Plant & Machinery	: ₹ 179 Lakhs
Cost of Project	: ₹ 1204 Lakhs
Rate of Return	: 29%
Break Even Point	: 47%

Set Up Automated Vehicle Scrapping Unit

Vehicle scrapping units, also called scrapyards, are now playing an important role in the waste management industry as people get more aware of pollution and the need to reduce carbon emissions by limiting vehicle use and preventing old, unused vehicles from being parked for long periods of time and becoming environmental hazards.

Uses and Applications

This eliminates waste and cuts down on the need for mining or drilling raw

PROJECT COST ESTIMATE

CAPACITY:	
Steel Scrap	: 6,000 Units Per Annum
Aluminum Scrap	: 900 Units Per Annum
Copper Scrap	: 150 Units Per Annum
Plastics	: 1000 Units Per Annum
Old Lube Oil	: 60 KI Per Annum
Battery	: 12000 Nos Per Annum
Rubber Scrap	: 200 Units Per Annum
Glass Scrap	: 200 Units Per Annum
Plant & Machinery	: ₹ 325 Lakhs
Cost of Project	: ₹ 1455 Lakhs
Rate of Return	: 26%
Break Even Point	: 44%

materials out of Earth's crust.

- Environmental Benefits
- Wildlife Protection
- Reuse of Vehicle Parts
- Conservation of Energy and Resources
- Make Space

Indian Market

The Indian market for automated vehicle scrapping units is expected to grow significantly in the next few years. This is due to the increasing number of vehicles that are being scrapped each year.

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