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EDITOR :
AJAY KUMAR GUPTA
D.M.S, M.B.A.
Entrepreneurship Management

ASSOCIATE EDITOR
P. K. TRIPATHI
UDANT GUPTA

NIIR PROJECT CONSULTANCY SERVICES
AN ISO 9001:2015 CERTIFIED COMPANY
106 E, Kamla Nagar, Delhi–110 007 (India).

Tel. : 91-11- 23843955, 23845886, 23845654, Mob.: +91-9097075054, 8800733955, Fax : 91-11-23845886
E-mail : info@niir.org , npcs.india@gmail.com, Website : www.niir.org, www.entrepreneurindia.co

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

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

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

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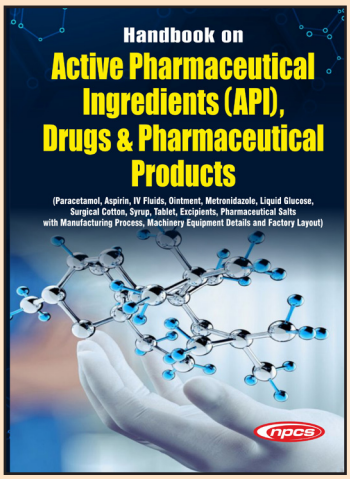

An Active Pharmaceutical Ingredient (API) is the active substance in a pharmaceutical drug that produces its therapeutic effect. APIs can be synthetic chemicals or natural sources such as plant extracts. APIs are components of drugs, the majority of which are manufactured by pharmaceutical companies.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

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

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

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

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

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

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

Setup Plant of Lawn Tennis Ball

Lawn Tennis Ball is a specialized ball that is designed and used specifically for playing the game of tennis. These balls are made up of a rubber shell filled with pressurized gas, which gives them their unique bounce and speed. The basic design of a lawn tennis ball includes a soft outer shell, which is made up of a combination of rubber and felt, and a core that is filled with a gas such as nitrogen. The pressure of the gas inside the ball plays a vital role in determining the bounce and speed of the ball.

Benefits of Starting This Business

Starting a lawn tennis ball business can offer several benefits, including:

- Growing Market: The lawn tennis ball market is growing, driven by the increasing popularity of tennis as a sport worldwide.
- High Demand: Lawn tennis balls are in high demand, especially during tennis season. There is a constant need for tennis balls for practice, training, and competitions, which means that there is a reliable customer base.
- Wide Target Audience: Tennis is a sport that appeals to a broad demographic, from children to adults.
- Low Investment: Starting a lawn tennis ball business requires a relatively low investment compared to other businesses.
- Diversification of Products: In addition to lawn tennis balls, you can also offer other tennis-related products, such as tennis rackets, strings, and bags, which can further diversify your business and increase revenue streams.

Global Market Outlook

The global market for lawn tennis balls is a significant part of the overall sports equipment market, which is estimated to reach USD 89.2 billion by 2026, according to a report by Grand View Research. The lawn tennis ball market is primarily driven by the increasing popularity of tennis as a sport worldwide. The Asia Pacific region, in particular, is expected to see significant growth in the market, driven by the growing middle class and increasing interest in sports and fitness activities.

Indian Market Outlook

India is a massive market for Lawn Tennis Ball business, and it has been witnessing an enormous surge in the past few years. According to a report by Grand View Research, the Indian Tennis Ball market is expected to reach a valuation of USD 276.3 million by 2025, growing at a CAGR of 11.8%. One of the driving factors behind this growth is the increasing popularity of Tennis in India, especially after the successful participation of players like Sania Mirza, Mahesh Bhupathi, Leander Paes, and more recently, Rohan Bopanna, in various international tournaments. In addition to the rising popularity of the sport, the easy availability of Tennis courts in schools, colleges, and residential societies has further boosted the demand for Tennis balls.

PROJECT COST ESTIMATE

CAPACITY

Tennis Ball	: 10,000 Nos. Per Day
Plant & Machinery	: ₹ 48 Lakhs
Cost of Project	: ₹ 168 Lakhs
Rate of Return	: 29 %
Break Even Point	: 66 %

Conclusion

The increase in popularity of tennis as a sport has also played a significant role in driving sales. More and more people are taking up tennis as a recreational activity, and this has created a larger market for tennis balls and other equipment. As a result, manufacturers have had to adapt and develop new products to meet the demand for these surfaces.

A Business Plan for Polyacrylamide

Polyacrylamide is a type of water-soluble polymer that is commonly used in various industrial and environmental applications. It is formed by the polymerization of acrylamide, a simple monomer that is derived from petroleum.

Polyacrylamide has a high molecular weight and a linear structure, which gives it unique physical and chemical properties.

Uses and Applications

Polyacrylamide (PAM) is a synthetic water-soluble polymer that has a wide range of uses and applications. Some of the common uses and applications of polyacrylamide are:

- Mining Industry: Polyacrylamide is used in the mining industry as a flocculant to separate minerals from water and to improve the efficiency of the mineral processing process.
- Paper and Pulp Industry: Polyacrylamide is used in the paper and pulp industry as a retention and drainage aid. It improves the efficiency of the papermaking process by enhancing the retention of fillers and fibers and increasing drainage rates.
- Enhanced Oil Recovery: Polyacrylamide is used in the oil and gas industry to increase the production of oil and gas by improving the efficiency of the drilling and extraction process. It is used as a viscosity modifier and a fluid loss control agent in drilling muds and completion fluids.
- Agriculture: Polyacrylamide is used in agriculture to improve soil quality and reduce erosion.
- Water Treatment: Polyacrylamide is used in water treatment processes to remove impurities and clarify water.

Global Market Outlook

The global polyacrylamide market size was estimated at USD 5.5 billion in 2022 and is projected to grow at a compound annual growth rate (CAGR) of 6.5% from 2023 to 2030. The growing demand for the product across various application industries including wastewater treatment, oil recovery, paper-making, and food & beverage is expected to propel the industry growth. Developments of polyacrylamide polymers for producing polyacrylamide gel and powder are expected to create new avenues in bio-sciences and pharmaceuticals in the region.

Indian Market Outlook

The Polyacrylamide industry in India is currently experiencing a significant boom. The growing demand for this chemical is largely driven by the country's thriving agricultural and water treatment sectors. India is an agricultural hub, and farmers have started using polyacrylamide in soil stabilization, to prevent soil erosion, and in irrigation systems to increase water retention. The Polyacrylamide industry in India is poised for further growth, with several players in the market introducing new products and expanding their distribution networks. With India's growing economy, it is expected that the demand for this versatile chemical will continue to rise, creating ample opportunities for investment and innovation.

PROJECT COST ESTIMATE

CAPACITY

Polyacrylamide Liquid 50% Solution	: 200 MT Per Day
Plant & Machinery	: ₹ 2247 Lakhs
Cost of Project	: ₹ 4304 Lakhs
Rate of Return	: 27 %
Break Even Point	: 45 %

Conclusion

The rise of the Polyacrylamide industry is a testament to its effectiveness and versatility. This chemical has a broad range of applications, and its affordability makes it a popular choice in various industries. The high demand for Polyacrylamide indicates that its benefits outweigh any perceived risks. With further research and development, we can expect even more uses for this chemical in the future. As this industry continues to grow, it's important to remain mindful of its impact on the environment and strive towards sustainability in all our endeavors. The future looks bright for Polyacrylamide, and we're excited to see where this industry will go next.

Start Integrated Unit of
• Soya Nugget • Tea Packaging, • Turmeric Grinding & Packaging • Jam Manufacturing Plant

Soya Nugget, Tea Packaging, Turmeric Grinding & Packaging and Jam are four business ventures that are currently booming in the market. Each of these businesses caters to a specific need and is growing in popularity due to their effectiveness and quality.

Benefit of Starting This Business

High Demand: All four of these products are in high demand and have a significant market potential.

Low Startup Costs: These businesses have low startup costs and require minimal investment in machinery and equipment.

Health Benefits: All four of these products are known for their health benefits. Soya nuggets are a rich source of protein and other essential nutrients, tea has antioxidants that can improve overall health, turmeric has anti-inflammatory properties, and jam is a good source of vitamins and minerals.

Branding Opportunities: The packaging of these products provides branding opportunities, which can help build brand recognition and customer loyalty.

Global Market Outlook

According to reports, the global Soya Nugget market is expected to grow at a CAGR of over 10% during the forecast period of 2021-2026. Similarly, the tea packaging industry is also expected to experience growth, with the global tea market expected to reach $81.6 billion by 2026. Tea has become increasingly popular due to its numerous health benefits, and the convenience of tea bags has made it an easy choice for people on the go. The global turmeric market is expected to grow at a CAGR of 5.8% during the forecast period of 2021-2026, driven by increasing demand for natural remedies and supplements. Finally, the jam market is also expected to see growth, driven by increased demand for healthy and organic alternatives. According to reports, the global jam market is expected to reach $9.8 billion by 2025, with Asia Pacific being the fastest-growing market. As such, there are significant opportunities for entrepreneurs and businesses looking to invest in these sectors and take advantage of the growing demand and changing consumer preferences.

PROJECT COST ESTIMATE

CAPACITY:

Soya Nuggets	: 1,600 Kgs Per Day
Tea Packaging	: 1,200 Kgs Per Day
Fruit Jam	: 1,000 Kgs Per Day
Turmeric Powder	: 40 Kgs Per Day
Plant & Machinery	: ₹ 202 Lakhs
Cost of Project	: ₹ 380 Lakhs
Rate of Return	: 27 %
Break Even Point	: 58 %

Conclusion

These businesses have proven to be lucrative and offer various opportunities for growth, innovation, and expansion. The global market for these products is promising, and their uses and applications are only expanding. It's no wonder why these businesses are booming, and it's exciting to see where they will go in the future.

Setup Plant of Biodegradable Boxes from Rice Straw and Rice Husk

Biodegradable boxes from rice straw and rice husk are a sustainable alternative to traditional packaging materials such as plastic and foam. These boxes are made from natural plant fibers, which means they are completely biodegradable and do not contribute to pollution or waste.

The Process of Making Biodegradable Boxes

The process of making biodegradable boxes from rice straw and rice husk involves several steps:

- **Collection and Sorting:** Rice straw and rice husk are collected from rice farms and sorted to remove any impurities such as stones, dirt, and other debris.
- **Pre-Processing:** The rice straw and rice husk are ground into small pieces and then soaked in water for a period of time to soften the fibers.
- **Pulping:** The softened rice straw and rice husk fibers are then pulped using a mechanical pulping process or a chemical pulping process.
- **Forming:** The pulp is formed into the desired shape of the box using a molding machine.
- **Drying:** The formed boxes are then dried using a heat or air drying process until they reach the desired moisture content.
- **Finishing:** The boxes are then trimmed, sanded, and coated with a biodegradable finishing agent to improve their strength and resistance to moisture.
- **Packaging and Distribution:** The finished biodegradable boxes are packaged and distributed to customers for use in a variety of applications.

Global Market Outlook

The demand for eco-friendly packaging has been on the rise globally, and biodegradable boxes from rice straw and rice husk have emerged as one of the preferred choices. The market for biodegradable boxes is expected to grow at a CAGR of 6.7% during the forecast period 2021-2026. The demand for biodegradable boxes is also being driven by the e-commerce industry, as online retailers are looking for sustainable packaging solutions to reduce their carbon footprint. The food and beverage industry is also a significant contributor to the growth of the biodegradable boxes market, as more and more consumers are choosing eco-friendly options.

Conclusion

Biodegradable boxes made from rice straw and rice husk have emerged as a popular and sustainable alternative to traditional packaging materials. As consumers become more environmentally conscious, the demand for eco-friendly packaging solutions has increased.

PROJECT COST ESTIMATE

CAPACITY

Biodegradable Boxes wt. 30 gms	: 15,160,000 Nos Per Annum
Plant & Machinery	: 39 Lakhs
Cost of Project	: 280 Lakhs
Rate of Return	: 29 %
Break Even Point	: 58 %

Water Park

The global water parks market size was valued at USD 45.2 billion in 2017. It is likely to expand at a CAGR of 5.8% from 2018 to 2025. Innovative rides, accommodation facilities, and merchandise in water parks are gaining popularity among visitors of all age groups. As a result, there is a rise in the number of adults and children visiting water parks, thus expanding the size of the target audience. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE

CAPACITY:

Water Park Visitors	: 1,000 Visitors / Day
Room Rent from Resort	: 25 Visitors / Day
Restaurant–Vegetarian Visitors	: 300 Visitors / Day
Restaurant–Non-Veg. Visitors	: 200 Visitors / Day
Restaurant–Beverages, Tea & Coffee Visitors	: 475 Visitors / Day
Plant & Machinery	: ₹ 1086 Lakhs
Cost of Project	: ₹ 3208 Lakhs
Rate of Return	: 33%
Break Even Point	: 38%

Start Manufacturing Business of Active Pharmaceutical Ingredients

• Metformin • Amoxicillin • Ibuprofen • Paracetamol

Active pharmaceutical Ingredients, or APIs, are the active components in pharmaceutical drugs that produce a therapeutic effect on the human body. These ingredients can come in the form of chemical compounds, biological extracts or any other substance that serves as the main active ingredient of a medication. One of the most commonly used APIs is Metformin, which is an oral medication used to treat type 2 diabetes. It works by reducing the amount of glucose produced by the liver and also improves insulin sensitivity. Amoxicillin is another API used to treat a variety of bacterial infections. Ibuprofen is a non-steroidal anti-inflammatory drug (NSAID) used to treat pain, fever, and inflammation. It works by inhibiting the production of certain chemicals in the body that cause inflammation. Paracetamol, also known as acetaminophen, is a pain reliever and fever reducer commonly used to treat headaches, muscle aches, and fever. It works by blocking the production of certain chemicals in the brain that cause pain and fever.

Benefit of Starting this Industry

Starting an Active pharmaceutical Ingredients industry can bring numerous benefits to both the company and the community. Firstly, the demand for Active pharmaceutical Ingredients (APIs) is ever-growing, which translates to a profitable business. APIs are the raw materials used in the manufacturing of medicines, making it a lucrative industry to invest in.

Global Market Outlook

The global active pharmaceutical ingredient market size was USD 159.35 billion in 2020 and is projected to grow from USD 174.17 billion in 2021 to USD 272.44 billion in 2028, exhibiting a CAGR of 6.6% in the 2021-2028 period. An Active Pharmaceutical Ingredient is used in any drug to produce intended results. These are also known as bulk drugs. These are manufactured either through a chemical or biological process. The market is likely to display a positive outlook with the growing trend towards advancements and innovations of therapeutic drugs by various pharmaceutical and biotechnology companies.

Conclusion

Active pharmaceutical Ingredients are the backbone of the pharmaceutical industry, providing essential components for a wide range of medicines. The examples we've discussed, including Metformin, Amoxicillin, Ibuprofen, and Paracetamol, have become household names due to their efficacy and popularity. As a business venture, the API industry presents excellent opportunities for growth and innovation, as well as contributing to global healthcare. Whether you are an investor or simply interested in the science behind medicines, exploring the world of Active pharmaceutical Ingredients is sure to be an exciting and worthwhile journey.

PROJECT COST ESTIMATE

CAPACITY:

Metformin (500 mg & 850 mg)	: 18,750 Kg. Per Annum
Amoxicillin (500 mg)	: 18,750 Kg. Per Annum
Ibuprafen (500 mg)	: 18,750 Kg. Per Annum
Paracetamol (500 mg)	: 18,750 Kg. Per Annum
Plant & Machinery	: ₹ 275 Lakhs
Cost of Project	: ₹ 963 Lakhs
Rate of Return	: 12 %
Break Even Point	: 64 %

Start PP Woven Bags Manufacturing Business

PP woven bags, also known as polypropylene woven bags, are a type of packaging material made from woven polypropylene fabric. They are commonly used in the packaging and transportation of various products, including food, agriculture, chemicals, and construction materials. PP woven bags are made by weaving polypropylene tapes, which are flat strips of polypropylene material, into a fabric. The fabric is then laminated, cut, and sewn into bags of various sizes and shapes. PP woven bags are known for their strength, durability, and resistance to punctures and tearing, making them ideal for use in heavy-duty applications.

Benefit of Starting PP Woven Bags Business

One of the biggest benefits of starting a PP woven bags business is the booming demand for these products in various industries. From agriculture to retail, PP woven bags have become a go-to packaging solution for many businesses. Moreover, the manufacturing process of these bags is cost-effective and relatively simple, making it an ideal opportunity for entrepreneurs looking to enter the packaging industry.

Global Market Outlook

The global PP Woven Sacks Market is estimated at USD 4.1 billion by 2022 and is projected to exceed USD 6.2 billion by 2032, growing at a CAGR of 4.1% from 2022 to 2032. Due to the environmental risks associated with this material, the demand for polypropylene PP Woven sacks market is on the rise and is gaining popularity as a reasonable sustainable alternative to PE (polyethylene). Advancement of fast moving consumer goods (FMCG) industry leading to increase in retail outlets is likely to drive the growth of the polypropylene PP woven sacks market. In addition, sales of polypropylene PP woven sacks market were strongly boosted by the ban on film plastic bags. The Polypropylene Woven Sacks market is a special type of bag that is used for packing purposes.

PROJECT COST ESTIMATE

CAPACITY

PP Bags (L-915 x W-610 mm) (Per Bag Weight App. 90 gms)	: 100,000 Nos Per Day
Plant & Machinery	: ₹ 1263 Lakhs
Cost of Project	: ₹ 2314 Lakhs
Rate of Return	: 26 %
Break Even Point	: 44 %

Indian Market Outlook

The demand for PP woven bags in the Indian market has seen a steady growth over the past few years. This is due to several factors such as the increasing use of these bags in various industries, their cost-effectiveness, and their eco-friendliness. The Indian government's recent ban on single-use plastics has also boosted the demand for these bags.

Conclusion

PP woven bags have become increasingly popular due to their affordability, durability, and eco-friendliness. These bags are versatile and can be used for various purposes, including shopping, packaging, and transportation. As a result, businesses that deal in PP woven bags have experienced significant growth over the past few years. Moreover, with the increasing demand for eco-friendly products, PP woven bags have a bright future in the market.

Setup Plant of Epoxy Resin

Epoxy resin is a type of thermosetting polymer that is widely used in various industries, from construction to electronics. It is a synthetic compound made up of a resin and a hardener, which when combined creates a tough, durable, and waterproof material that can be molded, cast, or used as an adhesive. Epoxy resin has many desirable properties, including excellent adhesion, chemical resistance, and heat resistance, making it ideal for a range of applications.

Indian Market Outlook

The India epoxy resins market is predicted to rise with a CAGR of 6.95% over the forecasting period from 2022 to 2028, reaching a revenue share of $897.80 million by 2028. The Indian market outlook for epoxy resin is positive, and the demand for epoxy resin is expected to grow significantly in the coming years. Epoxy resin is widely used in several industries such as construction, electronics, automotive, and aerospace, among others. The construction industry is the largest consumer of epoxy resin in India. Epoxy resin is used in construction applications such as adhesives, coatings, and flooring systems.

Global Market Outlook

The global epoxy resin market size was valued at USD 12.84 billion in 2022 and is expected to grow at a compound annual growth rate (CAGR) of 7.3% from 2023 to 2030. Increasing demand from the paints & coatings sector is anticipated to significantly drive industry growth during the forecast period. The Asia Pacific region dominated the global industry in 2022 and accounted for the largest share of more than 59.54% of the overall revenue. Rising construction activities and growing demand from the automotive sector in emerging countries, such as India, Japan, and South Korea, are expected to drive the regional market over the forecast period.

Conclusion

Epoxy resin businesses are highly profitable and provide ample opportunities for growth and expansion. By investing in this industry, entrepreneurs can position themselves for long-term success while contributing to the ever-evolving world of innovative technology and materials. So, if you're an entrepreneur looking for a promising venture, consider starting an epoxy resin business and seize the opportunities that lie ahead!

PROJECT COST ESTIMATE

CAPACITY

Epoxy Resin (Liquid)	: 100 MT Per Day
Plant & Machinery	: ₹ 18 Cr.
Cost of Project	: ₹ 43 Cr.
Rate of Return	: 30 %
Break Even Point	: 51 %

Setup Latex Rubber Thread Manufacturing Plant

Latex Rubber Thread, also known as elastic thread, is a type of elastic material made from natural rubber or synthetic latex. It is primarily used in textile industries to create stretchable fabrics such as elastic waistbands, bra straps, and lingerie. The thread can stretch up to several times its original length and can easily snap back into shape once the tension is released. The production process involves coating a rubber or latex solution around a cotton or polyester core, resulting in a stretchy and flexible thread that is both durable and lightweight.

Process of Manufacturing

1. Harvesting: Natural latex is harvested from rubber trees by making small incisions in the bark of the tree and collecting the latex that oozes out.
2. Coagulation: The collected latex is treated with coagulating agents such as formic acid or acetic acid, which cause the rubber particles to coagulate and form a solid mass.
3. Washing and Cleaning: The coagulated rubber is then washed and cleaned to remove any impurities and excess water.
4. Mastication: The cleaned rubber is then passed through a masticator, which breaks down the rubber into small pieces and softens it.
5. Extrusion: The softened rubber is then fed through an extruder machine, which shapes the rubber into a long cylindrical form.
6. Dipping: The extruded rubber is then dipped into a coagulating solution, which causes the rubber to solidify and form a thin layer on the outside.
7. Vulcanization: The dipped rubber is then placed in an oven and heated at a high temperature to vulcanize the rubber and make it more durable and elastic.
8. Rolling: The vulcanized rubber is then passed through a series of rolling machines, which stretch and shape the rubber into a thin, continuous thread.
9. Packaging: The finished latex rubber thread is wound onto spools or cones and packaged for shipping and distribution.

Global Market Outlook

The latex rubber thread business has seen a significant boom in recent years, thanks in part to the growing demand for eco-friendly and sustainable products. According to market research reports, the global latex rubber thread market is expected to grow at a CAGR of around 6.5% during the forecast period from 2021 to 2028. The major drivers behind this growth are increasing demand from the textile industry for products such as elastic tapes, waistbands, and hosiery, as well as the growing demand for healthcare products like disposable gloves and condoms. The rising trend of athleisure wear and active lifestyle has also increased the demand for elastic clothing products. The Asia Pacific region is the largest market for latex rubber threads due to its large population and growing industrialization.

PROJECT COST ESTIMATE

CAPACITY

Latex Rubber Thread	: 200 Kg. Per Day
Plant & Machinery	: ₹ 145 Lakhs
Cost of Project	: ₹ 412 Lakhs
Rate of Return	: 26 %
Break Even Point	: 53 %

Conclusion

The success of the latex rubber thread industry is undeniable. As a result of innovative technology and a surge in demand, the business has been booming in recent years. By staying attuned to market trends and customer needs, businesses in this sector can continue to thrive and remain competitive in the years to come.

Start Manufacturing Business of Acrylate Resins and Emulsions

Acrylate resins and emulsions are an important class of materials that have gained widespread use in various industries. These resins are derived from acrylic acid and its esters, and can be synthesized in various forms such as solid, liquid, or gel. Acrylate emulsions, on the other hand, are composed of small particles of acrylate resin suspended in water, which make them particularly useful in aqueous systems. The versatility of acrylate resins and emulsions is what sets them apart from other materials.

Uses and Applications

Coatings: Acrylate resins and emulsions are used as binders in the formulation of various coatings such as architectural coatings, industrial coatings, and automotive coatings.

Adhesives: Acrylate resins and emulsions are used as binders in the formulation of various types of adhesives such as pressure-sensitive adhesives, hot-melt adhesives, and reactive adhesives. They provide excellent adhesion, fast curing, and flexibility to adhesives.

Textile Coatings: Acrylate emulsions are used in the textile industry as binders for various coatings such as fabric coatings, carpet backings, and nonwoven fabrics. They provide excellent adhesion and durability to textile coatings.

Paper Coatings: Acrylate emulsions are used in the paper and packaging industry as binders for various coatings such as paper coatings, packaging coatings, and release coatings.

Sealants: Acrylate resins and emulsions are used as binders in the formulation of sealants for various applications such as construction and automotive.

Global Market Outlook

The Acrylic resins market was estimated at around USD 15.4 billion in 2021, growing at a CAGR of nearly 5.2% during 2022-2030. The market is projected to reach approximately USD 24.3 billion by 2030. Increasing investments in the construction of residential and commercial infrastructure on account of rapid urbanization, growing global population, and inflating income levels represent one of the key factors fueling the market growth. Acrylic resins are widely used to produce transparent sheeting, opaque cladding and panel materials, paints, resins, sealants, concretes, mortars, renders, carpets, furniture, baths, shower trays, sinks, and architectural fabrics.

Summary

Acrylate resins and emulsions have become increasingly popular due to their superior performance, versatility, and cost-effectiveness. The growing demand for high-performance and sustainable materials in industry is expected to drive further growth and innovation in the acrylate resins and emulsions market in the years to come. As the market evolves, we can expect to see more tailored solutions that address specific industry needs and challenges, which will ultimately benefit the economy and society as a whole.

PROJECT COST ESTIMATE

CAPACITY:

Acrylate Resins	: 10,000 MT Per Annum
Acrylate Emulsions	: 10,000 MT Per Annum
Plant & Machinery	: ₹ 500 Lakhs
Cost of Project	: ₹ 2291 Lakhs
Rate of Return	: 30 %
Break Even Point	: 54 %

Start Zinc Chloride Manufacturing Business

Zinc chloride is an inorganic compound that is highly soluble in water. It is made by combining zinc and hydrochloric acid, and is known for its corrosive and highly acidic properties. It appears as a white or colorless crystalline solid, and has a distinct odor. Zinc chloride is commonly used in a variety of industrial and commercial applications due to its versatile properties. It is highly reactive, and has a variety of uses across different industries. Its unique properties make it a popular choice for a range of products and processes, making it a highly sought after chemical in the market.

The Benefits of Using Zinc Chloride

a. Battery Production: Zinc chloride is a crucial component in the production of batteries. It helps to increase the efficiency of batteries by improving their energy density and power output.

b. Wood Treatment: Zinc chloride is used as a wood preservative as it helps to protect wood from rot and insect damage. It is also effective in preventing decay caused by fungi and bacteria.

c. Textile Industry: Zinc chloride is used as a mordant in the textile industry to help set dyes and improve the color fastness of fabrics.

Indian Market Outlook of Zinc Chloride

According to a recent report, the Indian zinc chloride market is expected to grow at a CAGR of around 5% during the forecast period 2021-2026. This growth is attributed to the increasing demand for zinc chloride in various industries, as well as the growth of the Indian economy. In recent years, the demand for zinc chloride has been steadily rising in India. With its unique chemical properties, zinc chloride is used in various industries, including metallurgy, chemical, pharmaceutical, and textile. The increasing demand for zinc chloride in the textile industry is one of the main drivers of growth in India. Zinc chloride is used in the process of mercerization, which improves the strength and luster of cotton fibers. The pharmaceutical industry also uses zinc chloride as a disinfectant and as an ingredient in medicines.

Global Market Outlook

The Global Zinc Chloride Market size accounted for US$ 299 Mn in 2021 and is expected to reach US$ 464 Mn by 2030 with a considerable CAGR of 5.2% during the forecast timeframe of 2022 to 2030. Zinc chloride is a booming demand in the chemical industry due to its appealing chemical properties and low cost. It's becoming more popular in soldering, tinning fluxes, chemical synthesis, galvanizing, odor control, and other applications. Zinc chloride demand is rising due to increased application in a wide range of end-use industries, including agriculture, textiles, pharmaceuticals, and electronics, among others.

Conclusion

Zinc Chloride is a versatile chemical compound with a wide variety of uses, and its demand has been rapidly growing in recent years. From being used as a wood preservative to producing flame retardants, the applications of Zinc Chloride are almost endless. As the world progresses towards a sustainable future, zinc chloride is bound to play an increasingly critical role in several industries, thanks to its eco-friendly properties and its ability to boost performance and longevity of various products.

PROJECT COST ESTIMATE

CAPACITY:

Zinc Chloride from Zinc Ash	: 2,700 MT Per Annum
Zinc Chloride from Zinc Oxide	: 300 MT Per Annum
Plant & Machinery	: ₹ 229 Lakhs
Cost of Project	: ₹ 751 Lakhs
Rate of Return	: 27 %
Break Even Point	: 55 %

Setup Plant of Pea Protein Isolate/ Concentrate

Pea protein isolate and concentrate are derived from yellow peas. These products are a vegan-friendly and plant-based alternative to animal-based proteins like whey and casein. Pea protein isolate is a highly refined form of pea protein that is free from fats, carbohydrates, and fiber. This product has a protein content of up to 90%. Pea protein concentrate, on the other hand, is less refined and contains some carbohydrates and fiber. Its protein content ranges from 60-80%. Pea protein isolate and concentrate are ideal for people with food sensitivities or allergies, especially those who are lactose intolerant. It is also a sustainable option as it does not require as much land or water as animal-based proteins.

Indian Market Outlook

The Indian market outlook for pea protein isolate and concentrate is promising. The demand for plant-based protein sources is growing in India, and pea protein has gained popularity as a viable alternative to traditional animal-based protein sources. The market for plant-based protein in India is expected to grow at a significant rate in the coming years. The growing awareness of the health benefits of plant-based diets and the increasing demand for vegan and vegetarian products are driving the growth of the plant-based protein market in India.

PROJECT COST ESTIMATE

Capacity:	
Pea Protein Isolate	: 2 MT Per Day
Spent Pea for Cattle Feed by Product	: 8 MT Per Day
Plant & Machinery	: ₹ 118 Lakhs
Cost of Project	: ₹ 614 Lakhs
Rate of Return	: 27 %
Break Even Point	: 54 %

Global Market Outlook

The global pea protein market size was USD 416.39 million in 2020 and is projected to grow from USD 464.60 million in 2021 to USD 1,026.12 million by 2028 at a CAGR of 12.0% during the 2021-2028 period. Pea is a leguminous plant in which the pea seeds comprise huge amounts of protein (20– 30%). It mainly exists as globulins, which are the main components in Pea Protein Isolate (PPI) products. Protein from peas can be produced based on wet-milling and dry-milling technologies, with protein content ranging from 48% to 90%. Nutritional benefits, oil-binding capacity, water-binding capacity, foam stability, foam expansion, whip ability, emulsion stability, gelatin, and emulsion ability ratio are essential functional properties of PPI and concentrates.

Conclusion

With the growing trend of health and fitness, the sports nutrition market is also contributing to the boom in the pea protein isolate and concentrate business. The future looks bright for pea protein isolate and concentrate in the food and beverage industry as it offers a high-quality, cost-effective, and versatile plant-based protein option that consumers can enjoy without sacrificing taste or quality.

Start Production of Polyurethane Prepolymer

Polyurethane Prepolymer, or PUP, is a versatile material used in a wide range of industries. PUP is created by mixing two different components–isocyanates and polyols–to form a liquid resin. This resin is then used in the production of a variety of different products, including adhesives, coatings, foams, and elastomers. PUP is an essential material for many industrial applications because it is highly durable and resistant to chemicals, abrasion, and impact. The versatility of PUP makes it a valuable material in many different fields, making it an excellent investment for entrepreneurs looking to capitalize on this booming industry.

Why Should Entrepreneur Invest In This Business?

1. Growing Demand: Polyurethane Prepolymer is used in a wide range of industries, from automotive to construction.
2. Strong Profit Margins: The production of Polyurethane Prepolymer is a capital-intensive business, which means that the profit margins are typically higher than in other industries.
3. Sustainable Materials: Polyurethane Prepolymer is known for being a sustainable material that is environmentally friendly.
4. Innovation Opportunities: The Polyurethane Prepolymer industry is constantly evolving, with new products and technologies emerging all the time. Entrepreneurs who invest in this business have the opportunity to be at the forefront of this innovation, helping to drive the industry forward and stay ahead of the competition.

Global Market Outlook

The global polyurethane prepolymer market was valued at US$ 491.5 Mn in 2022 and is expected to register a CAGR of 6.40%, in terms of revenue over the forecast period (2023-2030), to reach US$ 807.3 Mn by 2030. Polyurethane prepolymer are widely used in the construction industry due to their excellent priorities such as adhesion, durability, insulation, water resistance, and others. The growth of the construction industry, especially in developing economies, is driving the demand for polyurethane polymers.

Conclusion

The Polyurethane Prepolymer industry presents a compelling investment opportunity for entrepreneurs looking for a high-growth, high-profit industry with strong sustainability credentials. With its diverse applications, growing demand, and strong profit margins, it's no wonder that more and more entrepreneurs are choosing to invest in this exciting business.

PROJECT COST ESTIMATE

CAPACITY

Polyurethane Prepolymer (HMDI Series)	: 50,000 MT Per Annum
Plant & Machinery	: ₹ 2336 Lakhs
Cost of Project	: ₹ 4866 Lakhs
Rate of Return	: 29 %
Break Even Point	: 49 %

Manufacturing Business of Glass Vials for Medicine (for Cosmetic & other Injectable)

Glass vials are a typical packing choice for liquid medicines, elixirs, and other goods that need to be supplied in small quantities. Glass vial packaging is easier to use than plastic bottles or cardboard boxes, and it provides safety, portability, and other benefits.

Vials are small glass containers used to keep refrigerated medicine, but they can also be used to store chemicals and food. Liquids, dry powders, and lyophilized substances in vials must be reconstituted before administration to be effective. These vials are exposed to a wide range of temperatures throughout their lifespan since they are the most common type of packaging for injectable medicines and vaccines.

The Global Vials Market was valued at USD 3,200.2 million in 2021, and it is expected to increase at a CAGR of 6.8% over the next five years. Vials have been the standard packaging for drugs for many years and are expected to continue to be so in the future.

PROJECT COST ESTIMATE

CAPACITY

Capacity	: 2,00,000 Pcs Per Day
Plant & Machinery	: ₹ 24 Cr
Cost of Project	: ₹ 34 Cr
Rate of Return	: 23%
Break Even Point	: 53%

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• Handbook on Speciality Gums, Adhesives, Oils, Rosin & Derivatives, Resins, Oleoresins, Katha, Chemicals with Other Natural Products	2175/- 150
• The Complete Book on Adhesives, Glues & Resins Technology (with Process & Formulations) 2nd Rev. Edn.	1675/- 150
• Phenolic Resins Technology Handbook (2nd Revised Edition)	1895/- 150
• The Complete Technology Book on Industrial Adhesives	1675/- 150
• The Complete Book on Gums and Stabilizers for Food Industry	1275/- 125
• The Complete Book on Water Soluble Gums and Resins	1675/- 150
• Handbook on Tall Oil Rosin Production, Processing and Utilization	1575/- 150
SYNTHETIC RESINS	
• Modern Technology of Synthetic Resins & Their Applications (2nd Revised Edition)	1575/- 150
• Synthetic Resins Technology Handbook	1100/- 125
• The Complete Technology Book on Synthetic Resins with Formulae & Processes	1150/- 125
• Alkyd Resins Technology Handbook	1100/- 125
• Epoxy Resins Technology Handbook (Synthesis, Epoxy Resin Adhesives, Epoxy Coatings) with Manufacturing Process and Machinery Equipment Details (3rd Revised Edition)	2275/- 200
PETROLEUM, GREASES, PETROCHEMICALS, LUBRICANTS	
• Modern Technology of Petroleum, Greases, Lubricants & Petrochemicals (Lubricating Oils, Cutting Oil, Additives, Refining, Bitumen, Waxes with Process and Formulations) 3rd Rev. Edn.	1995/- 150
• The Complete Book On Distillation And Refining of Petroleum Products (Lubricants, Waxes And Petrochemicals)	975/- 100
• Lubricating Oils, Greases and Petroleum Products Manufacturing Handbook	1475/- 150
• Manufacturing of Petroleum Products (Petroleum Waxes, Greases and Solid Lubricants, Solid Fuels, Gaseous Fuels, Gasoline, Diesel Fuel Oils, Automotive, Diesel and Aviation Fuels, Lubricating Oils and Lubricating Greases)	1675/- 150
• Petroleum & Petroleum Products Technology Handbook (Thermal Cracking of Pure Saturated Hydrocarbons, Petroleum Asphalts, Refinery Products, Blending and Compounding, Oil Refining and Residual Fuel Oils)	1875/- 150
WASTE MANAGEMENT, PRODUCTS FROM WASTE, MEDICAL, MUNICIPAL WASTE, E-WASTE, BIOMASS, MEDICAL & SURGICAL DISPOSABLE PRODUCTS	
• Products from Waste (Industrial & Agro Waste) 2nd Edition	975/- 100
• Modern Technology of Waste Management: Pollution Control, Recycling, Treatment & Utilization	975/- 100
• Handbook on Recycling & Disposal of –Hospital Waste Municipal, –Solid Waste, –Biomedical Waste, –Plastic Waste	1275/- 125
• Water and Air Effluents Treatment Handbook	1275/- 125
• The Complete Guide on Industrial Pollution Control	1275/- 125
• The Complete Book on Managing Food Processing Industry Waste	1275/- 125
• Handbook on Organic Waste for Biological Treatment, Liquid Manure into a Solid, Tomato Waste Water Treatment, Oxalic Acid from Jute Stick, Cotton Processing Waste, Fish Waste, Agro-Industrial Wastes, Bioconversion of Pretreated Wheat Straw and Sunflower Stalks to Ethanol, Agricultural Waste Treatment, Waste of Dehydrated Onion, Beef-Cattle Manure Slurry, Meat Meal and Algae for Calves, Wastes from Large Piggeries, Pig Waste, Oxytetracycline, Methane from Cattle Waste	1275/- 125
• Handbook on Medical and Surgical Disposable Products (Blood Bags, Plastic Gloves, I.V. Cannula, Infusion Set, Gowns, Masks, Catheter, Cotton and Bandage, Surgical Wear, Syringes)	1775/- 150
• Disposable Products Manufacturing Handbook (Plastic Cups, Cutlery, Paper Cups, Banana Leaf Plates, Facial Tissues, Wet Wipes, Toilet Paper Roll, Sanitary Napkins, Baby Diapers, Thermocol Products, PET Bottles)	1575/- 150
• The Complete Book on Biomass Based Products (Biochemicals, Biofuels, Activated Carbon)	1575/- 150
• The Complete Technology Book on E-Waste Recycling (Printed Circuit Board, LCD, Cell Phone, Battery, Computers) 3rd Rev. Edn.	1975/- 150
• The Complete Book on Waste Treatment Technologies (Industrial, Biomedical, Water, Electronic, Municipal, Household/ Kitchen, Farm Animal, Dairy, Poultry, Meat, Fish & Sea Food Industry Waste)	1675/- 150

PROCESS TECHNOLOGY BOOKS

NAME OF BOOKS	₹ / US$
• Manufacture of Value Added Products from Rice Husk (Hull) and Rice Husk Ash (RHA) (Precipitated Silica, Activated Carbon, Cement, Electricity, Ethanol, Hardboard, Oxalic Acid, Paper, Particle Board, Rice Husk Briquettes, Rice Husk Pellet, Silicon, Sodium Silicate Projects) 2nd Rev. Edition	1400/- 150
• Medical, Municipal and Plastic Waste Management Handbook	1275/- 125
• The Complete Book on Biological Waste Treatment and their Utilization	1675/- 150
INFRASTRUCTURE, HOSPITALITY, MEDICAL, ENTERTAINMENT, WAREHOUSING, EDUCATION BUSINESS & REAL ESTATE PROJECTS	
• Investment Opportunities in Infrastructure Projects #	2500/- 225
• Investment Opportunities In Hospitality, Medical, Entertainment, Ware Housing & Real Estate Projects (with 15 Project Profiles)#	4408/- 350
• How to Start Profitable Education Business (12 Detailed Project Profiles) (Engineering, Dental, ITI, Management, Marine Engineering, Medical, Pharmacy, Polytechnic College and Schools) 2nd Revised Edition #	2295/- 200
WOOD AND ITS DERIVATIVES	
• The Complete Technology Book on Wood and Its Derivatives	1100/- 125
• Bamboo Plantation and Utilization Handbook	1475/- 150
HERBAL PRODUCTS, AYURVEDIC, HERBAL & UNANI MEDICINES, DRUGS, NEEM, HERBS & MEDICINAL PLANTS CULTIVATION, COSMETICS, NATURAL PRODUCTS, JATROPHA	
• Handbook on Unani Medicines with Formulae, Processes, Uses and Analysis (2nd Revised Edition)	1695/- 150
• Handbook on Herbal Drugs And Its Plant Sources	1000/- 100
• Herbal Foods And Its Medicinal Values	1275/- 125
• Herbal Cosmetics & Ayurvedic Medicines (Eou) (3rd Rev. Edn.)	1475/- 150
• Handbook on Ayurvedic Medicines with Formulae, rocesses & Their Uses (2nd Rev. Edn.)	1475/- 150
• Herbal Cosmetics Handbook (Formulae, Manufacturing Processes with Machinery & Equipment Details (4th Rev. Edn.)	1775/- 150
• The Complete Technology Book on Herbal Beauty Products with Formulations and Processes	1695/- 150
• Modern Technology of Cosmetics	1100/- 100
• Handbook of Herbal Products (Medicines, Cosmetics, Toiletries, Perfumes) 2 Vols.	1500/- 220
• Herbs Cultivation & Medicinal Uses	975/- 100
• Herbs Cultivation & Their Utilization	800/- 100
• Medicinal Plants Cultivation & Their Uses	975/- 100
• Compendium of Medicinal Plants	875/- 100
• Compendium of Herbal Plants	975/- 100
• Cultivation And Processing of Selected Medicinal Plants	1175/- 125
• Aromatic Plants Cultivation, Processing and Uses	975/- 100
• Cultivation and Utilization of Aromatic Plants	1100/- 125
• The Complete Book on Jatropha (Bio-Diesel) with Ashwagandha, Stevia, Brahmi & Jatamansi Herbs (Cultivation, Processing & Uses)	1500/- 150
• Handbook on Medicinal Herbs With Uses	1075/- 125
• Aloe Vera Handbook Cultivation, Research Findings, Products, Formulations, Extraction & Processing	1275/- 125
• Handbook on Herbs Cultivation & Processing	875/- 100
• Handbook of Neem & Allied Products	975/- 100
• Handbook on Herbal Medicines	750/- 100
• Handbook on Cosmetics (Processes, Formulae with Testing Methods)	1675/- 150
• Handbook on Drugs from Natural Sources	1175/- 125
ESSENTIAL OILS, AROMATIC CHEMICALS, PERFUMES, FLAVOURS, FOOD COLOURS	
• The Complete Technology Book of Essential Oils (Aromatic Chemicals (Reprint 2011)	1275/- 125
• Essential Oil Hand Book	975/- 100
• The Complete Technology Book on Herbal Perfumes & Cosmetics (2nd Rev Edn.)	1275/- 125
• Modern Technology of Perfumes, Flavours and Essential Oils 2nd Edn.	975/- 100
• Food Colours, Flavours And Additives Technology Handbook (2nd Revised Edition)	1895/- 150
• Food Flavours Technology Handbook	1075/- 125
• The Complete Technology Book on Flavours, Fragrances and Perfumes	1675/- 150
• Perfumes and Flavours Technology Handbook with Manufacturing Formulations, Process, Machinery Equipment Details & Factory Layout	1995/- 200
• Handbook on Perfume, Deodorant, Air Freshener, Body Spray, Fragrances, Flavours and Essential Oil Industry with Manufacturing Formulations, Process, Machinery Equipment Details & Factory Layout	1775/- 150

NAME OF BOOKS	₹ / US$
SOAPS, DETERGENTS, ACID SLURRY, TOILETRIES & DISINFECTANTS	
• Modern Technology of Soaps, Detergents & Toiletries (With Formulae & Project Profiles) (4th Rev. Edn.)	1275/- 125
• Herbal Soaps & Detergents Handbook	1275/- 125
• Handbook on Soaps, Detergents & Acid Slurry (3rd Rev. Edn.)	1575/- 150
• The Complete Technology Book on Detergents (2nd Rev. Edn.)	1100/- 125
• The Complete Technology Book on Soaps (2nd Revised Edn.)	1425/- 150
• Surfactants, Disinfectants, Cleaners, Toiletries, Personal Care Products Manufacturing and Formulations (Phenyl, Naphthalene Ball, Mosquito Coil, Floor Cleaner, Glass Cleaner, Toilet Cleaner, Utensil Cleaning Bar, Liquid Detergent, Detergent Powder, Detergent Soap, Liquid Soap, Handwash, Hand Sanitizer, Herbal Shampoo, Henna Based Hair Dye, Herbal Cream, Shaving Cream, Air Freshener, Shoe Polish, Tooth Paste) 3rd Revised Edition	1895/- 200
• Soaps, Detergents and Disinfectants Technology Handbook (Washing Soap, Laundry Soap, Handmade Soap, Detergent Soap, Liquid Soap, Hand Wash, Liquid Detergent, Detergent Powder, Bar, Phenyl, Floor Cleaner, Toilet Cleaner, Mosquito Coils, Naphthalene Balls, Air Freshener, Hand Sanitizer and Aerosols Insecticide) (3rd Revised Edition)	1595/- 150
GLASS, CERAMICS, COAL, LIGNIN & MINERALS	
• The Complete Book on Glass & Ceramics Technology (2nd Revised Edition)	1495/- 150
• The Complete Book on Glass Technology	1625/- 150
• The Complete Technology Book on Minerals & Mineral Processing	2200/- 200
• Handbook on Rare Earth Metals and Alloys (Properties, Extraction, Preparation and Applications)	1875/- 150
• Hand book on Coal, Coke, Cotton, Lignin, Hemicellulose, Wood, Wood-Polymer Composites, Lignocellulosic-Plastic Composites from Recycled Materials, Wood Fiber, Rosin and Rosin Derivatives	1875/- 150
ALUMINIUM, STEEL, FERROUS, NON-FERROUS METALS WITH CASTING AND FORGING, FERROALLOYS & AUTOMOBILE COMPONENTS	
• The Complete Technology Book on Hot Rolling of Steel	1575/- 150
• Steel Rolling Technology Handbook (2nd Revised Edition)	1775/- 150
• The Complete Book on Ferrous, Non-Ferrous Metals with Casting and Forging Technology	1575/- 150
• The Complete Technology Book on Aluminium and Aluminium Products	1450/- 150
• The Complete Technology Book on Steel and Steel Products (Fasteners, Seamless Tubes, Casting, Rolling of flat Products & others)	1625/- 150
• The Complete Book on Ferroalloys (Ferro Manganese, Ferro Molybdenum, Ferro Niobium, Ferro Boron, Ferro Titanium, Ferro Tungsten, Ferro Silicon, Ferro Nickel,Ferro Chrome)	2775/- 250
• Steel and Iron Handbook	1775/- 150
• Handbook on Steel Bars, Wires, Tubes, Pipes, S.S. Sheets Production with Ferrous Metal Casting & Processing	1775/- 150
• The Complete Book on Production of Automobile Components & Allied Products (Engine Parts, Piston, Pin, Piston Ring, Valve, Control Cable, Engine Mounting, Auto Lock, Disc Brake, Drum, Gear, Leaf Spring, Shock Absorber, Silencer, Chain, Cylinder Block, Chassis, Battery, Tyre & Flaps)	2275/- 200
• Handbook on Automobile & Allied Products (2nd Rev. Edn.) #	1495/- 150
FORMULARY (FORMULATION) BOOKS	
• Selected Formulary Book on Cosmetics, Drugs, Cleaners, Soaps and Detergents (2nd Revised Edition)	1475/- 150
• Selected Formulary Book on Inks, Paints, Lacquers, Varnishes and Enamels	1475/- 150
• Selected Formulary Handbook	1475/- 150
• Selected Formulary Book on Petroleum, Lubricants, Fats, Polishes, Glass, Ceramics, Nitrogenous Fertilizers, Emulsions, Leather and Insecticides	2275/- 200
CONSTURCTION MATERIALS, CEMENT, BRICKS, ASBESTOS	
• The Complete Book on Construction Materials	1475/- 150
• The Complete Technology Book on Bricks, Cement and Asbestos	1400/- 150
• The Complete Technology Book on Asbestos, Cement, Ceramics and Limestone	1875/- 150
• Handbook on Gypsum and Gypsum based Products (Mining, Processing, Transportation, Handling & Storage, Gypsum Board, Plaster of Paris with Machinery & Equipment Details)	2275/- 200

PROCESS TECHNOLOGY BOOKS

- The Complete Book on Cement & Concrete Products Manufacturing (AAC Blocks, Slag & High Alumina Cement, Clinker, Concrete Block, Floor Slab, Roof Tiles, Interlocking Paving Blocks, Fly Ash Bricks, Flooring Tiles, Precast RCC Wall, Prestressed Concrete Beams, Poles, Pipe, Sleeper, RCC Beam, Ready Mix Concrete and Wall Putty with Manufacturing Process, Machinery Equipment Details and Factory Layouts)..... 1975/- 150

EMULSIFIERS AND OLEORESINS

- The Complete Book on Emulsifiers with Uses, Formulae and Processes. (2nd Rev. Edn.) 1400/- 150
- Handbook on Oleoresin and Pine Chemicals (Rosin, Terpene, Derivaties, Tall Oil ,Resin & Dimer Acids..... 2200/- 200

COLD STORAGE, COLD CHAIN & WAREHOUSE

- The Complete Book on Cold Storage, Cold Chain & Warehouse (with Controlled Atmosphere Storage & Rural Godowns) 5th Rev.Edn. 1650/- 150

BATTERY ASSEMBLING AND RECYCLING

- Handbook on Production, Recycling of Lithium Ion and Lead-Acid Batteries (with Manufacturing Process, Machinery Equipment Details & Plant Layout) 2995/- 250

RENEWABLE ENERGY AND SOLAR PRODUCTS

- Solar PV Power and Solar Products Handbook (Solar Energy, Solar Lighting, Solar Power Plant, Solar Panel Solar Pump, Solar Photovoltaic Cell, Solar Inverter, Solar Thermal Power Plant, Solar Farm, Solar Cell Modules with Manufacturing Process, Equipment Details, Plant Layout & Process Flow Chart) 2275/- 200

ELECTRIC VEHICLES MANURING, E- CAR, ELECTRIC BICYCLE, E- SCOOTER, E-MOTORCYCLE, ELECTRIC RICKSHAW, E- BUS, ELECTRIC TRUCK, E MOBILITY, EV INDUSTRY, AUTOMOBILE, LIGHT ELECTRIC VEHICLES, ELECTRIC VEHICLE INDUSTRY

- Handbook on Electric Vehicles Manufacturing (E- Car, Electric Bicycle, E- Scooter, E-Motorcycle, Electric Rickshaw, E- Bus, Electric Truck with Assembly Process Machinery Equipments & Layout)..... 3695/- 250

ELECTRICAL CABLE, WIRE AND WIRE PRODUCTS

- 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)..... 2575/- 225

NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2015 CERTIFIED COMPANY

106 E, Kamla Nagar, Delhi–110 007 (India).

Tel. : 91-11- 23843955, 23845886, 23845654

Mob.: + 91-9097075054, 8800733955, Fax : 91-11-23845886

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

E-mail : info@niir.org , npcs.india@gmail.com

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 DetailedProcess 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.

- Prepared by highly qualified and experienced consultants and Market Research and Analyst Supported by a panel of experts and computerised data bank.
- Data provided are reliable and upto date collected from suppliers/ manufacturers, plant already commissioned in India.
- NPCS Reports are very economical and immediately available on demand where as commissioned Feasibility Studies are time consuming and costly.

FOR ASSESSING MARKET POTENTIAL, INVESTMENT DECISION MAKING CORPORATE DIVERSIFICATION PLANNING ETC.

NPCS Engineers and Consultants have prepared Market Survey Cum Detailed Techno Economic Feasibility Report on the following products which are most viable and profitable.

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

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106 E, Kamla Nagar, Delhi–110 007 (India). Tel. : 91-11- 23843955, 23845886, 23845654

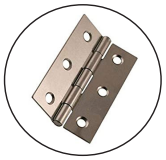
Mob.: +91-9097075054, 8800733955 Fax : 91-11-23845886

Website : www.niir.org www.entrepreneurindia.co E-mail : info@niir.org , npcs.india@gmail.com

SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT

Ferroalloys, Ferro Alloys, Manganese Alloys (Ferromanganese, Silicomanganese), Ferrosilicon, Chrome Alloys, Noble Ferro Alloys (Ferromolybdenum, Ferrovanadium, Ferrotungsten, Magnesium Ferrosilicon, Ferro Boron, Ferrotitanium) Projects

» Aluminothermic Process
» Brass and Aluminium Hinges
» C.I. Casting (Foundry) by Induction Furnace
» Ferro Molybdenum
» Ferro Vanadium
» Ferroalloys



» Ferroalloys (Ferrosilicon, Ferromanganese & Silicomanganese)
» Ferroalloys of Niobium, Molybdenum, Titanium, Tungsten and Vanadium
» Ferrochrome Alloy
» High Carbon Ferromanganese
» Low Carbon Ferro Chrome

» Low Carbon Ferromanganese
» Low Carbon Ferromanganese (Medium Grade)
» Low Carbon Silicomanganese
» Manganese from Ferromanganese Alloy Slag Content
» Silico Manganese
» Silicon Metal

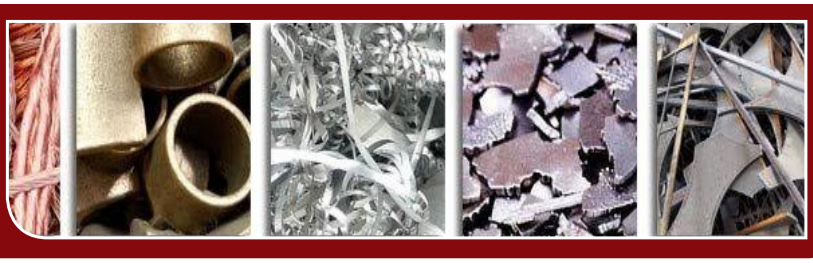
Fertilizers, Inorganic Fertilizers (Mineral Fertilizer), Macronutrients and Micronutrients, NPK, SSP, Single Super Phosphate, Urea, Nitrogen Fertilizer, Nitrogenous Fertilizer, Diammonium Phosphate Projects

» Agriculture Battery Sprayer
» Amino Acid Metal Chelates for Agriculture use (Zinc, Ferrous, Copper, Manganese, Magnesium, Calcium)
» Biofertilizer
» Biofertilizer (Granules)
» Biofertilizer and Phosphate Rich Organic Manure (Prom)
» Customized Fertilizer (For Higher Crop Productivity)
» Humic Acid
» Liquid Biofertilizers
» Magnesium Sulphate (Fertiliser Grade)
» Micronutrients Fertilizer

» Micronutrients Fertilizer for Banana, Vegetables and Citrus
» Micronutrients for Crop Production (Solid Form)
» Mixed Fertilizer (From Organic Waste)
» NPK Complex Fertilizer
» NPK Fertilizer and Calcium Ammonium Nitrate (Can)
» NPK Fertilizers
» Organic Fertilizer
» Organic Fertilizer (In Solid and Liquid Forms)
» Organic Fertilizer from Solid Waste
» Potassium Sulphate (Fertilizer Grade)
» Prom (Phosphate Rich Organic Manure)
» Single Super Phosphate & Mixed Fertilizer

» Single Super Phosphate (Granular) & NPK Fertilizer
» Single Super Phosphate (SSP)
» Sterilized Bone Meal
» Urea Fertilizer
» Vermicompost
» Vermicompost from Solvent Extracted Spice Waste
» Water Soluble Fertilizer
» Water Soluble Fertilizer Blends for Drip Irrigation Systems
» Zinc Sulphate
» Zinc Sulphate Monohydrate (Agriculture & Food Grade)

Ferrous and Non-Ferrous Metals



» Activated Alumina
» Alloy Steel Casting
» Alumina from Bauxite (By Calcination Process)
» Alumina to Aluminium and Manufacturing of Profiles
» Aluminium Cans for Brewery Industry
» Aluminium Cladding (Construction)
» Aluminium Containers
» Aluminium Extrusion Plant
» Aluminium From Bauxite of Gibbsite Variety
» Aluminium Ingots from Aluminium Scrap
» Aluminium Printing Plate for Offset Printing Machine

» Aluminothermic Process
» Aluminum Gravity Casting
» Anodic Aluminium Labels
» Automobile Hoses (AC Hose, Fuel Hose, Hydraulic Hose, Petrol Pump Hose) and Production of Tyres
» Bearing Ring by Forging Route

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

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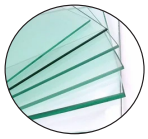
Mob.: +91-9097075054, 8800733955 Fax : 91-11-23845886
Website : www.niir.org www.entrepreneurindia.co E-mail : info@niir.org , npcs.india@gmail.com

SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT

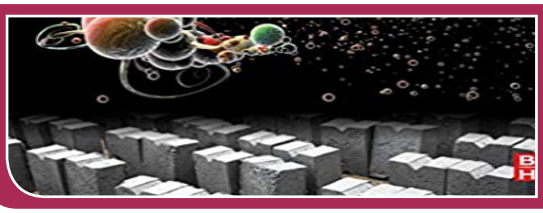
» Beneficiation of Chromium, Nickel and Manganese Ore
» Billets from Steel Scrap by Electric Furnace
» C.I. Casting (Foundry) by Induction Furnace
» Cinema Films Etc. (By Chemical Process)
» Cold Rolling of Mild Steel Strips & Sheets
» Copper Cathode Production from Copper Scrap
» Copper Flats and Copper Tubes
» Copper Ingot Copper Ash from Copper Ore
» Copper Melting and Copper Ingot Rolling with Copper Wire Drawing
» Copper Powder
» Copper Powder by Electrolytic Process
» Copper Sulphate from Copper Scrap, Copper Ash, Industrial Waste Containing Copper Content
» Copper Wire Drawing (From Higher Size to very thin size used in Electrical Cables)
» Copper Wire Drawing, Annealing & Enamelling

» Ductile Iron Fittings
» Enameled Copper Wire
» ERW Steel Conduit Pipes (Black Pipes)
» Ferroalloys of Niobium, Molybdenum, Titanium, Tungsten and Vanadium
» Ferroalloys-Ferromanganese, Silicomanganese, Ferrosilicon Based on
» Ferrosilicon
» Forging Unit for Automobile Spare Parts
» Forging Unit for Manufacturing Oil Gas Pipe Fitting
» Glass Sheets (Automatic Plant)

» Good Prospects in Ferroalloys
» Hand Pump (Mark II)
» High Tensile Fasteners
» Hot Rolled Steel Bar Mill
» Inner Grooved Copper Tube
» Integrated Melting & Rolling Mill
» Iron Ore Mining
» Iron Ore Pelletization
» Iron Powder from Mill Scale Scrap

» Low Carbon Ferrochrome
» Low Carbon Ferromanganese
» Low Carbon Ferromanganese (Medium Grade)
» Low Carbon Silicomanganese
» Metal Spectacle Frame
» Mild Steel Ingots from Iron Ore
» Mini Steel Plant with Production of Construction Bars
» Non-Stick Kitchen Ware
» Nylon Coating on Zinc Wire (Wire "O" Wire)
» Open Top Sanitary Cans for Food, Pesticides, Paint
» Pig Iron
» Poly Aluminium Chloride
» Poly Aluminium Sulfate from Aluminium Sulfate
» Recovery of Zinc Metal from Zinc Ash
» Red Oxide Primer [Anti-Corrosive]
» Selenium Coated Aluminium Drum used in Plain Paper Copier
» SG Iron (Ductile Iron) and Alloy Steel Casting
» Silicon Metal

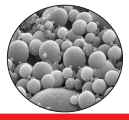
» Silver Extraction from Waste Hypo Solution, X-Ray Film, Colour Paper Bleach
» Sintered Bush
» Sponge Iron
» Sponge Iron Including Power Plant
» Steel Bar

» Steel Fabrication Unit
» Steel Re-Rolling Mill
» Steel Rolling Mill
» Steel Shots/Grits
» Steel Structural
» Steel Tubes from Scraps and Pvc Pipe with 5mw Hr Captive Power Plant
» Tin Containers
» Tin From Tin Ore
» TMT Bars (Sariya) Project
» Tungsten Carbide Rod Manufacturing Industry
» U-Bolts and Centre Bolts for Leaf Springs
» Water Proofing Compound (Liquid and Powder)



Fly Ash Based Value Added Products, Coal Ash Utilization, Fly Ash as Raw Material, Products from Waste

» AAC Blocks (Autoclaved Aerated Concrete Blocks) Fly Ash Based
» Bricks from Fly Ash

» Cenosphere
» Cenosphere from Fly Ash
» Cenosphere Processing Plant

» Fly Ash Beneficiation
» Fly Ash Bricks by Triboelectric Beneficiation Process
» Lime Bonded Fly Ash Brick


Food Colours, Colors, Flavours, Flavors, Gums, Stabilizers, Food Industry Ingredients, Hydrocolloids and Additives

» Atta Chakki
» Banana Wafers
» Button Mushroom Cultivation
» Caramel Food Colorant (Caramel Color)
» Curcumin
» Curcumin Extraction Unit
» Egg Shell Powder
» Fish and Prawn Feed
» Frozen Layer Paratha (Fried Dough Food– Flatbread Native to the Indian Subcontinent)
» Fruit Pulp ,Mango, Guava, Pomegranate, Papaya
» Gourmet Popcorns (Popped Corn, Popcorns or Pop-Corn)

» Indian Kitchen Spices (Masala Powder) Spices Powder And Blended Spices, Readymade Mixes (Red Chilli Powder, Sambhar Masala, Biryani Masala, Chicken Fry Masala, Garam Masala)
» Natural Colour and Oil (Turmeric Colour & Oil)
» Pasta and Macaroni
» Pectin Manufacturing from Citrus, Lemon and Oranges
» Plain Corn Flakes & Coated Choco Flakes
» Plantbased Meat Alternatives -Meat Analogue, Vegan Meat & Mock Meat Manufacturing from Soyabean and Wheat Gluten
» Rice Mill, Rice Bran Oil with Captive Power Plant (Integrated Unit)

» Spices (Masala)
» Spices Production Unit (Turmeric, Chilli & Masala Powder)
» Starch and Allied Products from Maize with Co-Generation Plant
» Tamarind Based Products- Tartaric Acid, Food Colour, Crude Pectin, Tamarind Oil, Tamarind Protein
» Tomato Puree and Fruit Concentrate with Hot Break Process

Fisheries and Aquaculture, Fish and Marine Products, Fish Farming, Processing and Value Added Products

» Aqua Fish Feed (Aquaculture Feed & Food)
» Aquaculture Prawn Farming
» Fish Canning in Tins & Pouches
» Fish Dehydration
» Fish Farming
» Fish Oil (Production and Refining) With Fish Meal
» Fresh Water Fish Processing

» Prawn/Shrimp Farming
» Fish and Shrimp (Prawn) Feed
» Shrimp Farming (Breeding in Sea Water)
» Shrimp Farming (E O U)

Start Business of Activated Carbon from Coconut Shell

Activated carbon from coconut shell is a natural form of activated carbon that is derived from the shell of coconuts. It is a porous, black substance that is used to remove impurities, toxins, and pollutants from air, water, and other substances. Activated carbon is known for its exceptional adsorption properties, which make it an effective tool in water and air purification. Activated carbon from coconut shell is becoming increasingly popular due to its sustainability, low cost, and high efficiency in removing contaminants.

How is it made?

Activated carbon from coconut shell is made through a process called carbonization. The shells of coconuts are heated at high temperatures in the absence of oxygen, converting them into char. This char is then activated by exposing it to steam or chemicals, which creates thousands of tiny pores and increases its surface area. The activation process also changes the structure of the carbon, making it highly adsorbent. This means that it can attract and hold onto impurities, such as pollutants and chemicals.

Uses and Application

Air Purification: Activated carbon is also used to purify air by adsorbing pollutants such as volatile organic compounds (VOCs), gases, and odors.

Gold Recovery: Activated carbon is used in the gold mining industry to recover gold from cyanide leach solutions. Coconut shell activated carbon is preferred for this application because of its high adsorption capacity and low cost.

Food and Beverage Industry: Activated carbon is used in the food and beverage industry to remove impurities, odors, and colors from products such as sugar, wine, and fruit juices.

Energy Storage: Activated carbon can be used as an electrode material for energy storage devices such as super capacitors and batteries.

Global Market Outlook

The global activated carbon market size was valued at USD 3.62 billion in 2022 and is anticipated to expand at a compound annual growth rate (CAGR) of 2.6% from 2023 to 2030. The main growth driver is predicted to be increased demand for water treatment and sewage treatment applications.

The purity of the product is largely dependent on the raw materials used. The GAC produced from wood contains calcium, whereas the ones manufactured from coal contains iron.

PROJECT COST ESTIMATE

CAPACITY

Activated Carbon	: 5 MT Per Day
Plant & Machinery	: ₹ 316 Lakhs
Cost of Project	: ₹ 743 Lakhs
Rate of Return	: 26 %
Break Even Point	: 58 %

Conclusion

The benefits of using activated carbon made from coconut shell outweigh its drawbacks. This material's popularity is set to grow as more companies seek sustainable, eco-friendly solutions to their purification needs. As such, entrepreneurs looking for profitable ventures should consider this booming business opportunity.

Setup Plant of Biodegradable Plastic Bags from Corn Starch

Biodegradable plastic bags made from corn starch, also known as corn plastic or PLA (polylactic acid) bags, are an environmentally-friendly alternative to traditional plastic bags. These bags are made from natural materials, primarily cornstarch, which is processed to create a polymer. This polymer is then used to create a plastic-like material that can be molded into bags. The benefit of using biodegradable bags made from corn starch is that they are compostable, which means they will break down into organic matter when exposed to heat, moisture, and microorganisms.

Future of This Industry

As the world continues to become more environmentally conscious, the demand for biodegradable plastic bags made from corn starch is expected to increase. Many companies are investing in research and development to improve the production of these bags, making them more durable and affordable for consumers. With the current rate of plastic pollution, it is crucial to develop eco-friendly alternatives to traditional plastic bags. The future of this industry looks promising, with more people switching to biodegradable plastic bags and companies taking responsibility for their environmental impact.

Global Market Outlook

The global biodegradable plastics market forecast, the market is expected to reach up to $8,940.5 million by 2028, surging from $4,276.9 million in 2020 at a noteworthy CAGR of 9.5%. Biodegradation is process that can convert a material partially or completely into CO2, water, and biomass through the reaction of microorganisms like bacteria and fungi. Biodegradable or compostable plastic are the materials degraded by living organisms especially microbes into CO2 or methane, biomass, and water under specific conditions. Biodegradable plastics are generally manufactured with petrochemicals, micro-organisms, and renewable raw materials. Due their environmentally friendly nature, biodegradable plastics are widely used in several applications especially packaging.

Conclusion

The future of biodegradable plastic bags made from corn starch is looking bright. As consumers continue to demand sustainable options and companies invest in eco-friendly alternatives, we can make a positive impact on the environment. It is up to all of us to make small changes in our daily routines to reduce our plastic footprint and protect our planet for generations to come.

PROJECT COST ESTIMATE

CAPACITY

Biodegradable Plastic Bags (Per Bag 25 gms Size)	: 12 MT Per Day
Plant & Machinery	: ₹ 1053 Lakhs
Cost of Project	: ₹ 1498 Lakhs
Rate of Return	: 28 %
Break Even Point	: 49 %

A Business Plan for Chlorinated Polyvinyl Chloride

Chlorinated Polyvinyl Chloride (CPVC) is a thermoplastic polymer made by chlorinating the vinyl chloride monomer. The addition of chlorine to the vinyl chloride polymer chain increases the material's ability to withstand high temperatures, pressures, and harsh chemicals, making it suitable for a wide range of industrial applications.

Global Market Outlook

The global chlorinated polyvinyl chloride market size was valued at $5.1 billion in 2021, and is projected to reach $9.9 billion by 2031, growing at a CAGR of 7% from 2022 to 2031. Chlorinated polyvinyl chloride is a special type of polyvinyl chloride with added chloride and can be welded, machined, and fabricated to cater to various thermo-mechanical performances. It is a thermoplastic polymer with superior resistance to corrosion as well as heat and has excellent thermo-mechanical properties. The chlorinated polyvinyl chloride industry is driven by urbanization and rise in construction activities in developing countries including India and China. In addition, increasing demand for CPVC pipes in the wastewater treatment plants is anticipated to propel the market growth in coming years.

Future Prospects for Chlorinated Polyvinyl Chloride in India

With the increasing demand for versatile and durable materials in various industrial applications, Chlorinated Polyvinyl Chloride (CPVC) has emerged as a viable alternative to traditional materials like steel and copper. The Indian market for CPVC is expected to witness substantial growth in the coming years due to various factors such as urbanization, industrialization, and favorable government initiatives.

Conclusion

The future of Chlorinated Polyvinyl Chloride looks bright, as manufacturers continue to invest in new technologies and processes that can improve the quality and performance of the material. As the demand for PVC products continues to grow across the country, it is expected that the Chlorinated Polyvinyl Chloride industry will see even more rapid expansion and development in the years to come. Overall, there are numerous opportunities for businesses and investors to take advantage of the booming market.

PROJECT COST ESTIMATE

CAPACITY

Chlorinated Polyvinyl Chloride	: 6,000 MT Per Annum
Plant & Machinery	: ₹ 396 Lakhs
Cost of Project	: ₹ 1279 Lakhs
Rate of Return	: 29 %
Break Even Point	: 50 %

Start Cosmetic Unit (Serum, Cream, Shampoo & Lipstick) Manufacturing Plant

A Cosmetic Unit is a combination of products that typically include serum, cream, shampoo, and lipstick. This bundle of beauty products caters to the daily beauty routine of both men and women. It provides everything they need for basic skincare and hair care. The cosmetic industry is ever-changing and always looking for new trends and innovative ideas. There is an increasing demand for natural and organic products, which is why a Cosmetic Unit is a great business opportunity.

Why Should Entrepreneur Invest In This Industry?

Growing Demand: The cosmetic industry has seen a steady increase in demand over the years, and the trend is expected to continue.

High-Profit Margins: The cosmetic industry is known for its high-profit margins, especially for premium and luxury brands. With the right marketing and branding strategies, entrepreneurs can create a profitable business in this industry.

Innovation: The cosmetic industry is constantly evolving, with new technologies and ingredients being developed to create innovative products.

Global Market Outlook

The global cosmetics market size was valued at USD 262.21 billion in 2022 and is expected to expand at a compound annual growth rate (CAGR) of 4.2% from 2023 to 2030. One of the key factors driving the market expansion during the forecast period is the widespread increase in the adoption of skincare and personal care products along with the rise in the global aging population. Rising fashion trends and considerable product innovation in hair color and other skincare product formulations and packaging all contribute to the market's expansion. The global cosmetics industry is further classified into skincare, haircare, makeup, fragrance, and others (hygiene and personal care products). Among these, the skincare segment contributed to a larger market share of more than 38% in 2022.

PROJECT COST ESTIMATE

CAPACITY:

Serum	: 666.6 Nos Per Day
Cream	: 2,000 Nos Per Day
Shampoo	: 4,000 Nos Per Day
Lipstick	: 10,000 Nos Per Day
Plant & Machinery	: ₹ 46 Lakhs
Cost of Project	: ₹ 1617 Lakhs
Rate of Return	: 36 %
Break Even Point	: 37 %

Conclusion

A Cosmetic Unit provides a comprehensive solution to daily beauty routines. With high-profit margins, an evergreen market, and growing demand for natural and organic products, it's an excellent business opportunity for entrepreneurs.

Start Tea Blending and Packaging (Tea, Green Tea & Herbal Tea) Plant

Tea blending and packaging involves mixing different types of teas, such as black, green, and herbal teas, to create a unique and delicious blend. Tea blending allows tea drinkers to enjoy a variety of flavors, aromas, and health benefits in one cup. To blend teas, tea masters carefully select teas with complementary flavors and characteristics.

Uses and Applications

Cooking: Tea, green tea, and herbal tea can be used as a cooking ingredient to add flavor to a variety of dishes.

Skincare: Tea, green tea, and herbal tea are also commonly used in skincare products due to their antioxidant properties. Tea extracts are often used in creams, lotions, and serums to help reduce inflammation and protect the skin from damage.

Aromatherapy: Herbal tea is often used in aromatherapy due to its soothing properties. The scent of herbal tea can help to reduce stress, promote relaxation, and improve mood.

Global Market Outlook

The market for tea blending and packaging is ever-growing as more and more people are becoming interested in the benefits of tea and looking for unique blends to try. With the rise of health-conscious consumers, the demand for green tea and herbal tea has increased significantly, leading to a surge in sales of these types of teas. Tea companies are now offering a wider variety of blends that cater to different tastes and needs, such as detox blends, energy-boosting blends, and relaxation blends. As a result, the market for tea blending and packaging has become highly competitive, and companies are constantly innovating to create new and unique blends to capture the attention of consumers.

PROJECT COST ESTIMATE

CAPACITY:

Vacuum Packing of Masala Tea	: 400 Kgs Per Day
Pouch Packing of CTC Tea	: 400 Kgs Per Day
Pyramid Packing of Green Tea	: 400 Kgs Per Day
Plant & Machinery	: ₹ 41 Lakhs
Cost of Project	: ₹ 242 Lakhs
Rate of Return	: 28 %
Break Even Point	: 56 %

Conclusion

Tea blending and packaging is a craft that requires a careful balance of flavors and aromas. It is an art form that has been practiced for centuries and is now gaining popularity in the modern world. With the benefits of tea blending ranging from taste and health to cost. As the market for tea continues to grow, there will be more opportunities for tea blending and packaging.

Steel Shots & Grits (Steel Abrasives) Manufacturing Business

Steel shots are spherical grains formed by atomizing (granulating) molten steel; these cast steel shots come in a variety of diameters and hardnesses. Steel scrap is used to make steel shots. Steel scrap is melted in a furnace and then water jet atomized into shot. Steel shots produce the least amount of dust due to its gentle manufacturing technique.

Heavy metal parts, such as engine turbine blades, crankshafts, and heavy-duty springs, are cleaned using steel shots.

Steel shot and grit are primarily used in surface preparation to remove mill scale, dirt, and rust from metal surfaces, as well as to physically modify the metal surface, such as creating roughness for better paint and coating application, such as powder coating, enamelling, painting, metallization, rubber bonding, and so on.

The growing market for steel abrasives is estimated to increase at a CAGR of 6.2 percent over the forecast period (2019-2026). From 2017 to 2023, the global steel abrasives market is predicted to grow at a CAGR of 6.5 percent, from $34,615 million in 2016 to $53,634 million in 2023. Abrasives are used to give a superior polished surface finish during manufacture in the automotive, electronics, construction, and industrial industries.

PROJECT COST ESTIMATE

CAPACITY

Capacity	: 40 MT Per Day
Plant & Machinery	: ₹ 722 Lakhs
Cost of Project	: ₹ 1884 Lakhs
Rate of Return	: 28%
Break Even Point	: 66%

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