

Entrepreneur India



R.N.I. NO. 61509/95

AN ISO 9001-2015 CERTIFIED COMPANY

www.entrepreneurindia.co

₹ 20/-

An Industrial Monthly Journal on

INDUSTRIAL DEVELOPMENT, TECHNOLOGIES & PROJECT OPPORTUNITIES

Vol. 29

No. 4

April 2023

16 Pages

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

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.

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)

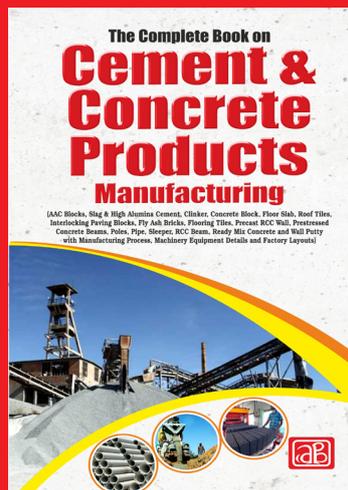
Cement is a powdery substance made by calcining lime and clay. When cement is mixed with water, it forms mortar, and when it is mixed with sand, gravel, and water, it makes concrete. Mortar is used as a bonding agent for plastering, masonry work, and pointing.

Concrete is a mixture of aggregates and paste. The aggregates are sand and gravel or crushed stones; and the paste is made from water and portland cement mixture. Concrete is used for laying floors, roofs and constructing lintels, beams, pillars and other masonry structures. Concrete products such as pipes, blocks, bricks, and concrete articles are made using concrete.

The cement and concrete products market consists of sales of cement and concrete products and related services by entities (organizations, sole traders and partnerships) that manufacture cement and concrete products such as concrete pipes, bricks, and paving blocks. The cement and concrete products manufacturing industry includes establishments engaged in manufacturing portland cement, pozzolanic cement, ready-mix concrete, concrete blocks, bricks, and pipes and related products.

The global cement and concrete products market was valued at \$333,255.8 million. The market accounted for 0.40% of the global GDP. In terms of per capita consumption, the market accounted for \$43.5. The market was also supported by rapid urbanization, and government initiatives towards infrastructure development. Growth in the forecast can be attributed to increasing spending on infrastructure,

₹ 1,975/- US\$ 150-



global economic growth, the development of affordable housing, and a rapidly growing urban population.

The cement and concrete industry is still expected to grow in the coming years. Companies are looking for ways to reduce their environmental footprint by making use of more efficient manufacturing processes and renewable energy sources. They are also developing new materials that are stronger and more sustainable than traditional materials. This means that the industry will remain an important part of the global economy for many years to come.

This book contains in-depth information about Cement & Concrete Products, 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. This book is also a fantastic resource for people interested in or who have worked in the Cement & Concrete industry.

Profitable and viable business opportunities exist in the Cement & Concrete sector. As a result, creating your own business is a good way to get into it. To learn more about Cement & Concrete industry in depth, read this book. It will assist you in figuring out how to establish your own Cement & Concrete Business. Because of the increasing demand for Cement & Concrete in today's market, it's a terrific method to earn money.

Manufacturing Business of Chocolate

Chocolate is a universally beloved food item made from cocoa beans. It is produced in different forms, such as solid bars, chips, and liquid forms. Chocolate is often used in baking and candy making, but it has many other uses, including making hot cocoa and chocolate-flavored sauces for desserts. The flavor of chocolate comes from the cocoa bean, which contains several compounds that give it its unique flavor and aroma.

Uses and Application

There are many different uses for chocolate and its applications are varied. One of the most popular uses for chocolate is in confectionary products like candy bars and cakes. Chocolate can be mixed with other ingredients to create a range of different flavors and textures. In addition to confectionary products, chocolate can also be used in baking. Brownies, cookies, and cakes are just a few of the delicious desserts that contain chocolate. In addition to being used in cooking and baking, chocolate is often used in beauty products like lotions and facial masks. The antioxidants in cocoa help to reduce wrinkles and improve skin health.

Benefit of Starting Chocolate Industry

- 1. Expansion of product range:** As people become more health conscious, they are looking for new and healthier options when it comes to snacks. This means that companies that provide a variety of products, such as those with dark chocolate, organic or vegan chocolate, or fair trade chocolate have the potential to capture a larger share of the market.
- 2. Product diversity:** The chocolate industry offers an enormous range of products, ranging from traditional bars, to gourmet truffles and even creative treats like cakes and cookies. This allows for immense product diversity that can easily be adapted and tailored to different customer tastes.
- 3. Easy access to raw materials:** The global market for cocoa beans is huge, making it easy for companies to access raw materials needed to make their products. This ensures that they have consistent quality, while at the same time allowing them to keep their costs low.
- 4. Low overhead costs:** Starting a chocolate business can be relatively inexpensive, as the overhead costs associated with manufacturing and packaging are relatively low compared to other industries. This makes it easier for entrepreneurs to get started in

the business without a large amount of capital.

Indian Market Outlook

The India chocolate market was worth USD1687.23 million in 2022 and is expected to grow at a CAGR of over 6.69% to reach USD2457.48 million by 2028, on account of growing population and shifting consumer tastes. More substantial businesses try using cutting-edge strategies to gain market share as the market grows, increase in variety of chocolate such as sugar-free, organic, vegan, and gluten-free chocolates. Furthermore, rising middle-class disposable income, growing awareness of the health benefits of chocolates like dark chocolate, and innovative marketing and promotional strategies by manufacturers are expected to boost chocolate sales in India during the forecast period.

Global Market Outlook

The global chocolate market size was estimated at USD 113.16 billion in 2021 and is anticipated to grow at a compound annual growth rate (CAGR) of 3.7% from 2022 to 2030. Research suggests that consuming chocolate helps in relieving stress. These are the key chocolate industry trends that are expected to contribute to the overall market growth in the forecast period. As per the chocolate market report, the Asia Pacific is predicted to be a fast growing region, with emerging economies such as India and China driving the market growth. The growing western influence in the region, improving living standards, and the growing awareness pertaining to the health benefits associated with chocolate consumption are estimated to increase the chocolate industry market size in the forecast period. The Australia chocolate market is expected to witness growth due to the increasing consumer preference for premium chocolate.

Conclusion

The chocolate industry is an exciting and ever-growing business that has continued to show steady growth over the years. It's evident that the demand for chocolate products, both domestically and internationally, is quite strong, as people continue to seek out new flavors and varieties of chocolate. As the demand increases, so does the number of businesses entering the market.

PROJECT COST ESTIMATE

CAPACITY	
Chocolate	: 1,000 Kg. Per Day
Plant & Machinery	: ₹ 120 Lakhs
Cost of Project	: ₹ 815 Lakhs
Rate of Return	: 28 %
Break Even Point	: 56 %

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

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

Rice husk plates is highly friendly, high performing, and cost-effective products manufacturing using top-quality materials and industry-leading technology. Great to hold and use and no unpleasant feeling of wooden single use tableware in your mouth. Ditch the single use plastic and bio plastic and reuse the natural sustainable alternative. Give a gift

that has a positive effect, take to work, use at the deli takeout, switch from plastic at the refectory and avoid single use surcharges too.

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

PROJECT COST ESTIMATE

CAPACITY :

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

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

NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2015 CERTIFIED COMPANY

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

Setup Plant of Pre-Engineered Building (P.E.B) Steel Structure

Pre-Engineered Building (PEB) Steel Structures are a type of building system used for manufacturing, constructing and erecting metal buildings. The components used in the system are pre-cut and pre-drilled in the factory and then

making them an attractive option for those looking to reduce their environmental impact. Overall, investing in the Pre-Engineered Building (P.E.B) Steel Structure industry offers numerous benefits to those considering entering this market.

PROJECT COST ESTIMATE

CAPACITY:

PEB Structure : 40 MT Per Day
Steel Scrap waste Product: 2 MT Per Day
Plant & Machinery : ₹ 462 Lakhs
Cost of Project : ₹ 5600 Lakhs
Rate of Return : 25 %
Break Even Point : 28 %

Indian Market Outlook

India Pre-Engineered Buildings Market is projected to be worth USD 48.4 Billion by 2030, registering a CAGR of 11.66% during the forecast period (2022–2030), the market was valued at USD 18.1 billion in 2021.

shipped to the site where they are quickly and easily assembled with minimal manual labour. The product range of Pre-Engineered Building (P.E.B) Steel Structures includes prefabricated building frames, warehouses, exhibition halls, schools, hospitals and industrial workshops. This system also offers competitive advantages such as low installation costs, high durability, minimum maintenance costs, flexible designs and a fast construction period.

Benefit of Starting This Industry

The Pre-Engineered Building (P.E.B) Steel Structure industry offers a wide range of benefits to those considering investing in it.

Firstly, the cost of materials and labor is lower than that of traditional steel structures. This allows for a quicker return on investment and higher profits. Additionally, these buildings require less maintenance than traditional steel structures, saving costs over the long-term. The construction process is also much faster compared to traditional structures, leading to a shorter lead time for projects. Pre-Engineered Building (P.E.B) Steel Structures are more eco-friendly than traditional steel structures as they are made from recyclable materials. This reduces their carbon footprint,

India is the fastest growing market in the PEB construction segment at 9.5%, ahead of China at 8.5%. The industry size of Pre-Engineered buildings in India is \$0.38 billion. Currently, 33% of the Indian Construction industry is based on PEBs, whereas the remaining 67% is Conventional construction.

Global Market Outlook

The global pre-engineered buildings market has been growing steadily in recent years, driven by the increasing demand for cost-effective, energy-efficient, and sustainable building solutions across various end-use sectors, such as industrial, commercial, residential, and institutional. According to a report by Research and Markets, the global pre-engineered buildings market size was valued at \$14.35 billion in 2020 and is expected to reach \$25.18 billion by 2028, growing at a CAGR of 7.3% from 2021 to 2028.

Conclusion

Pre-Engineered Building (P.E.B) Steel Structures are becoming increasingly popular due to their many advantages. They are strong, cost effective, durable, and can be erected quickly and efficiently. The industry is growing rapidly and offers a great opportunity for those looking to enter into this business.

Setup Plant of Geogrid

Geogrid is a polymeric or steel-reinforced plastic grid material used to reinforce soils and create a stronger, more durable base. It is used in the construction industry to provide soil reinforcement and stabilization. Geogrids are made of high strength polymers or plastic materials, such as polypropylene, polyethylene, polyvinyl chloride (PVC) and polyester. The grids are typically installed between soil layers, creating an interconnected network that distributes loads over a wider area.

Uses and Applications

Some common uses and applications of geogrid include:

- Road and pavement construction: Geogrid is used to reinforce soil under roads, highways, and other pavements to increase bearing capacity, reduce rutting, and extend the life of the pavement.
- Soil stabilization: Geogrid is used to stabilize slopes, embankments, and retaining walls to prevent soil erosion and landslides.
- Reinforced earth structures: Geogrid is used to reinforce soil in the construction of reinforced earth structures such as bridge abutments, retaining walls, and foundation pads.
- Mining and landfill applications: Geogrid is used to reinforce soil in mining and landfill applications to improve stability and reduce settling.
- Coastal erosion control: Geogrid is used in coastal erosion control applications to protect shorelines from wave action and storm surges.
- Railroad and airport applications: Geogrid is used to reinforce soil under railroad tracks, airport runways, and taxiways to increase bearing capacity and reduce settlement.

The Future of the Geogrid Industry

The geogrid industry is booming, as the industry continues to grow, new advancements in geogrid technology are being made that can improve their performance and strength. Geogrids can provide a cost-effective solution that is both strong and reliable. Geogrids also help to reduce labor costs, as they are easier and faster to install than traditional reinforcement

materials. The growth of the geogrid industry is also driven by an increasing demand for more sustainable building solutions. Geogrids are a great way to reduce the environmental impact of construction projects, as they require fewer raw materials and produce less waste than traditional reinforcement materials.

PROJECT COST ESTIMATE

CAPACITY

Geogrid : 30,000 Sq.Mtrs Per Day
Plant & Machinery : ₹ 879 Lakhs
Cost of Project : ₹ 1766 Lakhs
Rate of Return : 23 %
Break Even Point : 43 %

Global Market Outlook

The global geogrid market is projected to grow from USD 1.19 billion in 2021 to USD 1.64 billion in 2028 at a CAGR of 4.7% during the 2021-2028 period. Geogrids are categorized as geosynthetics materials used to reinforce soils and similar materials. It is commonly used to reinforce retaining walls and subsoils or subbases below structures or roads. The manufacturing method involves extruding the flat plastic sheet into the desired structure, where the plastic used is HDPE. They are widely used in the construction industry mainly because of their properties, such as good tension capability and ability to distribute higher load across a huge area. These products are also used in road and railway development activities owing to reduced time, maintenance costs, and thickness of rail tracks & roads.

Conclusion

The geogrid industry is booming and its applications are diverse. The popularity of this material is rising as it offers many benefits in construction and other projects. Geogrids are increasingly being used for roadways, retaining walls, foundations, embankments, and other soil reinforcement applications. With the demand for stronger, more durable infrastructure, geogrids will continue to be a popular choice for many civil engineering projects. The geogrid industry has a bright future and will continue to grow as new innovations are developed and implemented.

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

NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2015 CERTIFIED COMPANY

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 , npc.s.india@gmail.com

Start Lithium Oxide from Lithium Ore Manufacturing Business

Lithium oxide, also known as lithia, is a chemical compound composed of lithium and oxygen atoms. It is an inorganic compound, meaning it does not contain carbon or hydrogen, and is often found in nature as the mineral petalite. Lithium oxide is one of the few materials that can reversibly absorb and release large amounts of oxygen and has a wide range of applications in industry and medicine.

Process

Lithium oxide is typically produced from lithium ore, which is found in nature in the form of spodumene. To produce lithium oxide, the spodumene must first be mined and then heated to a very high temperature until it melts. At this point, other chemical reactions take place to convert the melted spodumene into lithium oxide. The main method used to convert spodumene into lithium oxide is called the carbo-thermic process.

Uses and Benefits

Lithium Oxide from Lithium Ore has a variety of uses and benefits. In the chemical industry, it is used as a catalyst, in medicines, and in the production of ceramics and glass. It can also be used to produce lithium hydroxide, which is used to make batteries, particularly those found in electric vehicles. Additionally, it is used as an antacid and a stabilizer in rocket fuel. Lithium oxide has also been used to increase crop yields in agriculture. When applied to the soil, it acts as a fertilizer by supplying important nutrients such as calcium, magnesium, and potassium. Additionally, it increases the fertility of the soil and helps plants absorb nutrients more efficiently.

Global Market Outlook

The global lithium market size was USD 3.64 billion in 2020 and is projected to grow from USD 3.83 billion in 2021 to USD 6.62 billion in 2028 at a CAGR of 8.1% during the 2021-2028 period. Rapid advancements in rechargeable batteries for laptops, mobile phones, electric vehicles, and digital cameras, driven by the growth in the Li-ion battery market globally shall fuel the product demand. Rising demand for batteries, lubricants, glass & ceramics, foundry and others is expected to foster the growth of the market.

Conclusion

The Lithium oxide from lithium ore industry is booming due to the growing demand for battery-powered technologies, such as electric vehicles, smartphones, and other portable devices.

With more and more devices utilizing lithium-ion batteries, the demand for lithium oxide from lithium ore has skyrocketed. This has created an incredible opportunity for companies to capitalize on the rapidly expanding market and make huge profits. The booming industry of lithium oxide from lithium ore is set to continue to grow at a rapid rate for many years to come.

PROJECT COST ESTIMATE

	CAPACITY
Lithium Oxide	: ₹ 4 MT Per Day
Plant & Machinery	: ₹ 578 Lakhs
Cost of Project	: 2808 Lakhs
Rate of Return	: 30 %
Break Even Point	: 57 %

Start Herbicides Production from Artemisia Annua

Artemisia annua, commonly known as sweet wormwood, is a versatile herb that has been used for centuries in traditional Chinese medicine. In recent years, it has been discovered to be an ideal source for producing herbicides. Herbicide is a substance that is used to control or destroy weeds, shrubs, and other plants that are unwanted in an environment. Herbicides can be selective, meaning they only target specific plants, or non-selective, meaning they can affect any plant they come into contact with. In other cases, herbicides are used for landscaping or gardening purposes, such as preventing weeds from growing around flower beds. Regardless of the purpose, herbicides are extremely effective at destroying unwanted plants and controlling their growth.

Process of Extraction

The process of extracting herbicides from Artemisia annua is fairly simple. First, the dried leaves and flowers of the plant are pulverized into a fine powder. This powder is then dissolved in a solvent such as ethanol or acetone. After this, the solution is boiled and filtered to obtain the desired extract. The extract can then be further purified by evaporating off the solvent, resulting in a concentrated form of herbicide.

Scope in This Industry

Herbicides production from Artemisia annua is a rapidly growing industry. The active compound artemisinin in this plant has been found to have strong pesticidal

properties, making it an attractive option for controlling weeds and unwanted vegetation. As the demand for more effective, eco-friendly herbicides continues to increase, more and more companies are beginning to explore this field. There are several different types of herbicides that can be extracted from the plant, making it a great choice for both large-scale and small-scale producers.

Global Market Outlook

The global herbicide market size is expected to reach an overall market revenue of \$7,998.9 million by 2025, by growing at a CAGR of 4.8% during the forecast period. The aim of using herbicides is to improve agricultural productivity by killing unwanted herbs and weeds in the plantation. Hence, increase in demand for high agricultural productivity to meet the global food demands majorly drives the growth of the herbicides market.

Conclusion

The booming industry of herbicides production from Artemisia Annua has been gaining a lot of attention in recent years. This versatile and natural herb has become a popular choice for producing herbicides, due to its high efficacy and low environmental impact. Moreover, it has a wide range of applications, from controlling weeds to insect control and even medicinal uses. All of these benefits make Artemisia annua an attractive choice for farmers, who are now able to take advantage of this booming industry.

PROJECT COST ESTIMATE

	CAPACITY
Artemisia Annua Powder 1 Kg Polypack	: 2,500 Packs Per Day
Artemisia Annua Extract 10 Ltrs. Polypack	: 250 Packs Per Day
Plant & Machinery	: ₹ 40 Lakhs
Cost of Project	: ₹ 370 Lakhs
Rate of Return	: 29 %
Break Even Point	: 64 %

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

NIIR PROJECT CONSULTANCY SERVICES

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

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

AN ISO 9001:2015 CERTIFIED COMPANY

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

A Business Plan for Lab Cultured Diamonds from Graphite

Lab Cultured Diamonds are real diamonds created from a laboratory environment. They are identical in their physical, chemical and optical properties to naturally-occurring diamonds. Lab Cultured Diamonds are created by placing graphite under high pressure and temperature and allowing the graphite to transform into diamonds. This process takes place in a laboratory, instead of occurring naturally in the Earth's crust.

Process of Lab Cultured Diamonds from Graphite

The process of transforming graphite into diamonds is called chemical vapor deposition (CVD). The process involves a special machine that breaks down the graphite atoms and bonds them together to form a diamond structure. The resulting product is chemically and physically identical to diamonds created by nature. Lab Cultured Diamonds are cut, polished and graded in the same way as natural diamonds. They are available in all the usual cuts, colors and clarity grades. These stones are available in various sizes and carat weights, and can be set in any type of jewelry setting.

Benefits of Starting Lab Cultured Diamonds Business

Starting a business in Lab Cultured Diamonds offers many advantages over traditional diamond mining. LCDs don't require mining, so there's no need to disrupt ecosystems or risk worker safety. Furthermore,

they are produced quickly and on demand with consistent quality, meaning that companies can be confident in their product's reliability. Additionally, there is no need for expensive certification processes for these diamonds, making them an attractive choice for customers looking for an affordable alternative to traditional diamonds.

Market Outlook

According to a report by Allied Market Research, the global lab-grown diamond market size was valued at \$16.2 billion in 2019 and is expected to reach \$29.8 billion by 2027, growing at a compound annual growth rate of 7.8% from 2020 to 2027. This growth is driven by increased consumer demand for sustainable and ethically-sourced diamonds, as well as advancements in diamond-growing technology that have made lab-grown diamonds more affordable and accessible.

Overall, the lab-grown diamond industry has a bright future and is expected to continue to grow as consumers become more conscious of the environmental and ethical impacts of their purchases, and as technology continues to improve the quality and affordability of lab-grown diamonds

Conclusion

Starting a business in Lab Cultured Diamonds provides entrepreneurs with the opportunity to be part of a growing and innovative industry. As more people become aware of this technology and its advantages, the demand for LCDs is likely to increase, giving entrepreneurs the chance to capitalize on this emerging trend.

PROJECT COST ESTIMATE CAPACITY

Lab Cultured Diamonds (1 Carat)	: 30 Carat Per Day
Plant & Machinery	: ₹ 200 Lakhs
Cost of Project	: ₹ 361 Lakhs
Rate of Return	: 25 %
Break Even Point	: 57 %

Start Connecting Rod MK2 (Electro Galvanized) for Hand Pump Manufacturing Business

The connecting rod is an essential component of a hand pump, which helps to convert the reciprocating motion of the pump handle into the up and down motion of the piston. An electro-galvanized connecting rod is a type of connecting rod that has been coated with a layer of zinc through electroplating, which helps to protect the rod from rust and corrosion. This protective layer increases the rod's resistance to wear and tear, making it ideal for outdoor use in harsh conditions.

Benefit of This Industry

The benefits of investing in the connection rod MK2 (Electro Galvanized) business are numerous. This type of galvanized steel is the perfect choice for hand pumps, as it offers superior corrosion resistance and superior strength. Additionally, this type of steel is easy to work with, meaning that it's cost effective to produce. This makes it the ideal choice for entrepreneurs looking to start a hand pump business. As the materials are easy to source and the process is straightforward, businesses can get up and running quickly and efficiently, saving on overhead costs.

Uses and Applications

The connecting rod is an essential component of an internal combustion engine, such as those used in cars, trucks, boats, and generators. The connecting rod connects the piston to the crankshaft, which converts the linear motion of the piston into the rotational motion of the crankshaft. The connecting rod must be strong and durable to withstand the high stresses and loads placed on it during engine operation.

Global Market Outlook

Automotive connecting rod market is expected to witness market growth at a rate of 2.8% in the forecast period of 2021 to 2028. Data Bridge Market Research report on automotive connecting rod market provides analysis and insights regarding the various factors expected to be prevalent throughout the forecast period while providing their impacts on the market's growth. The inclination towards low-cost countries for production and the use of advanced materials for the manufacturing of connecting rods are escalating the automotive connecting rod market. Automotive connecting rods refer to the rods which connect the piston to the crankshaft or crank in a reciprocating piston engine. These rods pass through quality checks before being supplied to clients.

Conclusion

PROJECT COST ESTIMATE CAPACITY

Connected Rod MK2 for Hand Pump	: 540,000 Pcs Per Annum
MS Scrap	: 120 Pcs Per Annum
Plant & Machinery	: ₹ 18 Lakhs
Cost of Project	: ₹ 195 Lakhs
Rate of Return	: 28 %
Break Even Point	: 61 %

Connection Rod MK2 (Electro Galvanized) is an ideal choice for entrepreneurs looking to invest in the hand pump industry. With its durability, corrosion resistance, and strength, it is a cost-effective solution that will provide businesses with long-term security and performance. So if you are an entrepreneur looking to invest in this industry, consider investing in Connection Rod MK2 (Electro Galvanized).

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

NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2015 CERTIFIED COMPANY

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

A Business Plan for Nickel from Nickel Ore

Nickel is an essential element that is extracted from nickel ore, which is a type of sulfide ore. Nickel ore is mined in various parts of the world, with the largest producers being in Russia, Canada, Australia, and Indonesia. It is found in two main forms: pentlandite and pyrrhotite. Pentlandite is the most commonly mined form of nickel ore, containing between 50-80% Nickel. It is often mined from sulfide deposits located in igneous rocks.

Benefit of Starting This Industry

Starting a nickel ore industry can be a great way to capitalize on the growing global demand for nickel. Nickel is a versatile metal that is used in a wide variety of industries, including stainless steel production, battery manufacturing, and more. Starting a nickel ore industry has many potential benefits, including:

1. A steady source of income
2. Job creation
3. Sustainability
4. High returns

Uses and Application

Nickel is a versatile metal used in a variety of applications, from coins and jewelry to stainless steel and other alloys. It is also a key component in batteries and catalysts for the chemical industry. The demand for nickel is expected to increase in the coming years due to its growing use in electric vehicle batteries, renewable energy technologies and the aerospace industry.

Market Outlook

The global nickel market size was USD 33.31 billion in 2020. The market is projected to grow from USD 36.27 billion in 2021 to USD 59.14 billion in 2028 at a CAGR of 7.3% during the 2021-2028 period. The increasing demand for stainless steel from the automotive, consumer goods, and construction industries will fuel product adoption. According to the Nickel Institute Organization, stainless steel accounts for more than two-thirds of global Ni consumption. The product improves the formability, weldability, and ductility of the steel.

Conclusion

The Nickel Ore industry has seen a surge in recent years, with more and more entrepreneurs turning to this industry as an attractive and lucrative investment opportunity. The growing demand for nickel has made it an important part of the global economy, and its production will likely remain robust for years to come. With this in mind, it is important to stay informed of market trends to maximize profits from the industry.

PROJECT COST ESTIMATE CAPACITY

Nickel Cathod	: 4 MT Per Day
Plant & Machinery	: ₹ 638 Lakhs
Cost of Project	: ₹ 3030 Lakhs
Rate of Return	: 29 %
Break Even Point	: 56 %

Start Lemon Processing Unit

- Lemon Juice Dry Powder
- Lemon Peel Oil Extraction Steam Base
- Lemon Pectin

Lemon processing is the process of transforming raw lemons into useful products for consumption. The most common forms of lemon processing involve juice extraction, dry powder manufacturing, lemon peel oil extraction, and pectin production.

Juice extraction involves the removal of juice from the lemon pulp and rind. This is a fairly simple process and can be done using hand or automated juicers. The extracted juice can then be used in a variety of ways such as making sauces, dressings, drinks, and other food items.

Dry powder manufacturing involves removing the water content from the lemon juice and then grinding it down into a fine powder. This powder can then be used as a seasoning for foods, as an ingredient for baking goods, or as a thickener for sauces and dressings.

Lemon peel oil extraction is another form of lemon processing which

involves extracting the oil from the lemon peel. This oil can then be used for medicinal purposes, aromatherapy, and as a flavoring agent in food products. Lemon essential oils are popularly used in aromatherapy due to their refreshing and calming scent. They are also used in soaps, shampoos, lotions, perfumes, and other bath and beauty products. The peel of lemons can also be processed into a powder form which is used in baking, preserving food, seasoning dishes, and creating herbal remedies.

Market Outlook

The global market for lemon processing was estimated to be worth \$2.2 billion in 2020 and is expected to grow at a compound annual growth rate (CAGR) of 7.6 percent between 2021 and 2027. The lemon processing market is a rapidly growing sector of the food and beverage industry. With the rising demand for natural ingredients, especially those with unique flavor and health benefits, manufacturers are turning to lemons as an ingredient. As such, the market has seen significant growth over the past few years. Lemon juice dry powder, lemon peel oil extraction steam base, and lemon pectin are some of the most popular products in the lemon processing market.

Conclusion

The industry is expected to continue to grow and become even more profitable in the years to come. With the rising demand for these products, it is essential to understand the benefits and applications of lemon processing. It can help businesses create unique and high-quality products that appeal to consumers. So, if you are interested in taking advantage of this thriving industry, make sure to invest in the right tools and resources for maximum success.

PROJECT COST ESTIMATE

CAPACITY:

Lemon Juice Dry Powder	: 104 Kgs Per Day
Lemon Peel Oil	: 40 Kgs Per Day
Lemon Pectin	: 140 Kgs Per Day
Plant & Machinery	: ₹ 163 Lakhs
Cost of Project	: ₹ 314 Lakhs
Rate of Return	: 25 %
Break Even Point	: 54 %

involves extracting the oil from the lemon peel. This oil can then be used for medicinal purposes, aromatherapy, and as a flavoring agent in food products.

Uses and Application

The juice is most commonly used to make lemonade, flavoring for foods, and as an ingredient in cosmetics. The oil extracted from lemons is also commonly used in cosmetics and

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

NIIR PROJECT CONSULTANCY SERVICES

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

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

AN ISO 9001:2015 CERTIFIED COMPANY

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

A business Plan for Surgical Sutures (Assembling)

Surgical sutures are a vital part of the medical industry and are used in numerous medical procedures. Sutures are used to close wounds, hold tissue together, reduce scarring, and promote healing. They can be made of a variety of materials such as nylon, polyester, silk, or absorbable material.

Uses and Applications

Surgical sutures are a vital tool used by surgeons and medical professionals in a variety of different procedures. From simple stitching to complex surgeries, sutures are essential for ensuring the safety and successful healing of a patient.

Indian Market Outlook

The India surgical sutures market is expected to exhibit a CAGR of 8.01% during 2022-2027. The rising cases of numerous chronic diseases, along with the increasing number of surgeries across India, are primarily driving the market growth.

Global Market Outlook

The global surgical sutures market size was valued at USD 4.2 billion in 2021 and is expected to expand at a compound annual growth rate (CAGR) of 5.8% from 2022 to 2030. The North American region dominated the market for surgical sutures with a revenue share of over 40.0% owing to the presence of local and key players, high cost of sutures as compared to other regions, supportive reimbursement scenario, rising government programs, and developed healthcare infrastructure.

PROJECT COST ESTIMATE CAPACITY

Surgical Sutures	: 450,000 Boxes Per Annum
Plant & Machinery	: ₹ 169 Lakhs
Cost of Project	: ₹ 877 Lakhs
Rate of Return	: 27 %
Break Even Point	: 63 %

Conclusion

With this increased demand, surgical suture assembly businesses have become a lucrative and viable business opportunity. The potential profits from providing this service can be quite high, especially if the company provides services to multiple medical practices or clinics.

Yeast from Molasses Dry & Compressed Yeast Manufacturing Plant

Yeast from Molasses (Dry & Compressed Yeast) is a specialized type of yeast that is derived from sugar cane molasses and used for fermentation in the alcohol and beverage industry. This type of yeast can be either dry or compressed, depending on the desired application. Dry yeast is more suitable for larger batches while compressed yeast is suitable for smaller-scale brewing operations. Benefit to entrepreneur from this industry

The use of dry or compressed yeast eliminates the need to store large amounts of fresh yeast, which must be kept refrigerated and has a relatively short shelf life. This means that entrepreneurs don't need to worry about purchasing large quantities of fresh yeast or storing it, as dry or compressed yeast can last up to two years when stored in an airtight container. Another advantage of using yeast from molasses is that it helps to reduce production costs. Yeast from molasses is relatively inexpensive compared to fresh yeast, which can add up if you are producing large quantities of a product.

PROJECT COST ESTIMATE

CAPACITY:

Compressed Yeast	: 5,000 Kgs Per Day
Dry Yeast	: 5,000 Kgs Per Day
Plant & Machinery	: ₹ 20 Cr.
Cost of Project	: ₹ 28 Cr.
Rate of Return	: 27 %
Break Even Point	: 45 %

Application and Uses of Yeast from Molasses

Yeast from Molasses (Dry & Compressed Yeast) has a broad range of applications in the food and beverage industry. It is used as a leavening agent, a flavor enhancer, and for fermentation processes. This type of yeast is used to make bread, beer, wine, and other fermented beverages. Yeast from Molasses is especially popular in the brewing industry as it creates a fuller, richer flavor and gives off pleasant aromas. It is also used to ferment sake and distilled spirits. Additionally, this type of yeast is used in the production of biofuel, in the bioremediation process, and as a supplement in animal feeds.

Conclusion

The growth of this industry is due to its ability to reduce manufacturing costs and increase the efficiency of production. The use of dry and compressed yeast provides an opportunity to extend the shelf life of products, reduce storage costs and simplify logistics. As the demand for quality ingredients continues to increase, more companies are looking to utilize this versatile ingredient to produce high quality and safe food products.

Polyester is popular because it resists stretch and wrinkles, provides flexibility and comfort, doesn't shrink, and is easy to wash and wear. It's easily blended with cotton and wool and can pack serious durability and weather resistance. However, these qualities come with a significant cost. Polyester is not biodegradable. It's made from crude oil, which tops the charts as the most polluting industry in the world. Similarly, polyester dyes are far from environmentally friendly—in fact, they're toxic to humans.

Lastly, the process of creating polyester is energy-intensive and requires large quantities of water.

Polyesters are also used to make bottles, films, tarpaulin, sails (Dacron), canoes, liquid crystal displays, holograms, filters, dielectric film for capacitors, film insulation for wire and insulating tapes. Polyesters are widely used as a finish on high-quality wood products such as guitars, pianos and vehicle/yacht interiors. Thixotropic properties of spray-appliable polyesters make them ideal for use on open-grain timbers, as they can quickly fill wood grain, with a high-build film thickness per coat. Cured polyesters can be sanded and polished to a high-gloss, durable finish.

PROJECT COST ESTIMATE CAPACITY

Recycled Polyester Fiber	: 5,000 Kgs / Day
Plant & Machinery	: ₹ 73 lakhs
Cost of Project	: ₹ 353 lakhs
Rate of Return	: 28%
Break Even Point	: 53%

It is assumed that there are approximately 165 million tons of plastics in the ocean which could be more the weight of fisheries by 2050. As there requires only some extra arrangement as a regular process could be much more effective to the environment. Only mixing the concept of plastic bottle melt filtration and fiber formation is required. By recycling, we could make a wide range of polyester fabric and at the same time, we could make a safer world.

The concern for Recycled PET (RPET) has escalated in the recent years. PET bottles, which form the major market of PET packaging resin (94%), are the most important from the point of recycling. More than 90% of PET is consumed in food packaging with drinks/beverages forming almost 80% of the food packaging segment. Since drinks and beverages are consumed mostly in residential houses, railway stations, restaurants, entertainment venues, airports and other public places, the importance of organized collection and recycling of post-consumer PET bottles needs to be over emphasized. Entrepreneurs who invest in this project will be successful.

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

NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2015 CERTIFIED COMPANY

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

NAME OF BOOKS

₹ / US\$

CHEMICALS, FINE CHEMICALS, VITAMINS, AMINO ACIDS AND PROTEINS

- Handbook on Chemical Industries (Alcohol Based) 750/- 100
- Industrial Chemicals Technology Handbook 1100/- 125
- The Complete Technology Book on Chemical Industries..... 975/- 100
- Handbook on Manufacture of Acetophenone, Alcohols, Allethrin, Anthracene, Barium Potassium Chromate Pigment, Calcium Cyanamide, Carboxymethylcellulose, Carotene, Chlorophyll, Chemicals from Acetaldehyde, Fats, Milk, Oranges, Wood, Manufacture of Dye Intermediates and Dyes, Fine Chemicals, Formaldehyde, Granulated Fertilizers, Granulated Triple Superphosphate and Hydroquinone 1100/- 125
- Handbook on Fine Chemicals, Vitamins, Amino Acids And Proteins 1450/- 150
- Detailed Project Profiles on 9 Selected Chemical Industries (2nd Revised Edition) # 1995/- 150
- Detailed Project Profiles on Chemical Industries (Vol II) (2nd Revised Edition) # 1695/- 150
- The Complete Book on Non Ferrous and Precious Metals with Electroplating Chemicals..... 1975/- 200
- Modern Technology of Industrial Chemicals 1100/- 125
- The Complete Technology Book on Fine Chemicals 1100/- 125

PHARMACEUTICAL, DRUGS

- Drugs & Pharmaceutical Technology Handbook 1075/- 125
- Investment Opportunity in Drugs & Pharmaceutical Projects (2nd Edn.) # 1895/- 150
- 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)..... 2495/- 225

PESTICIDES, INSECTICIDES

- The Complete Technology Book on Pesticides, Insecticides, Fungicides and Herbicides (Agrochemicals) with Formulae, Manufacturing Process, Machinery & Equipment Details (2nd Rev. Edn.) 1875/- 150
- Biopesticides Handbook 1575/- 150

STARCH & ITS DERIVATIVES

- The Complete Technology Book on Starch & Its Derivatives.. 1100/- 125

WAX & POLISHES

- The Complete Technology Book on Wax and Polishes 1895/- 200
- Wax Polishes Manufacturing Handbook with Process and Formulae (Automobile, Industrial, Leather, Furniture, Floor, Marine, Metal and Shoe Polish)..... 1675/- 150

JUTE & COIR PRODUCTS

- The Complete Book on Jute & Coir Products (With Cultivation & Processing) 2nd Rev. Edn. 1575/- 150
- Handbook on 100% Export Oriented Jute & Jute Products (Eco Friendly Projects) # 695/- 100

BIO-TECHNOLOGY, NANOTECHNOLOGY, ENZYMES, FOOD BIO-TECHNOLOGY, VERMICULTURE, VERMICOMPOST, BIO-FERTILIZER, ORGANIC FARMING, BIOGAS, MUSHROOM

- Bio -Technology Handbook 1100/- 125
- Plant Biotechnology Handbook 1100/- 125
- Hand Book on Projects in Export Thrust Area with International Market Survey (Bio-Tech & Pharmaceutical Technology) # 1095/- 100
- Biotech & Pharmaceutical Handbook # 1895/- 200
- Enzymes Bio -Technology Handbook..... 1100/- 125
- The Complete Book on Biotechnology Based Bulk Drugs 1050/- 125
- Handbook on Food Bio-Technology (Extraction, Processing of Fruits, Vegetables and Food Products) 2nd Revised Edition... 1495/- 150
- Handbook on Plants and Cell Tissue Culture 1275/- 125
- The Complete Technology Book on Vermiculture and Vermicompost (Earthworm) with Manufacturing Process, Machinery Equipment Details & Plant Layout (2nd Edn.) 1275/- 125
- The Complete Technology Book on Biofertilizer and Organic Farming (Potash, Greenhouse Farming, Hydroponic Farming, Pellet Fertilizer, Seaweed Fertilizer, Biogas with Manufacturing Process, Machinery Equipment Details)..... 1895/- 150
- Handbook on Biogas and It's Applications (from Waste & Renewable Resources with Engineering & Design Concepts) 2nd Revised Edition 1175/- 125
- Handbook on Mushroom Cultivation and Processing (With Dehydration, Preservation and Canning) 1275/- 125
- The Complete Book on Organic Farming and Production of Organic Compost (2nd. Rev. Edn.)..... 1575/- 150
- Nanotechnology Handbook 1675/- 150
- Nanoscience and Nanotechnology Handbook..... 1675/- 150
- Manufacture of Biofertilizer and Organic Farming..... 975/- 100

NAME OF BOOKS

₹ / US\$

- Integrated Organic Farming Handbook 1275/- 125
- Handbook on Organic Farming and Processing 1275/- 125
- Handbook on Small & Medium Scale Industries (Biotechnology Products) .. 1695/- 150
- Bioplastics & Biodegradable Products Manufacturing Handbook (Bioplastic Carry Bags, Bio-PET, Bioplastic Drinking Straws, Corn and Rice Starch-Based Bioplastics, Food Packaging Applications, Cassava Bags, Biodegradable Tableware, Biodegradable Plates, Biodegradable Toilet Paper, Starch Based Biodegradable Plastics, Polylactic Acid (PLA))..... 1575/- 150
- Handbook on Biofuel, Ethanol and Bioenergy Based Products (Ethanol as Biofuel, Methane Gas, Biodiesel, Biogas, Biomass Gasification, Bio-Chemical, Renewable Energy, Clean-Energy, Activated Carbon, Agricultural Residues, Forestry Residues, Animal Waste, Wood Wastes, Industrial Wastes, Municipal Solid Wastes and Sewage with Machinery, Manufacturing Process, Equipment Details and Plant Layout) 1875/- 150
- Fertilizers Manufacturing Handbook (Ammonium Sulfate, Diammonium Phosphate (DAP), Urea - Ammonium Nitrate, Neem Coated Urea, N.P.K. Complex Fertilizers, Single Superphosphate (SSP), Triple Superphosphate, Zinc Sulfate Monohydrate, Magnesium Sulfate with Manufacturing Process, Machinery Equipment Details & Factory Layout) 2795/- 200

PRINTING, PACKAGING, PRINTING INK

- Handbook on Modern Packaging Industries (2nd Rev. Edn.).. 1675/- 150
- Modern Technology of Printing & Writing Inks (2nd Rev. Edn.) .. 1475/- 150
- The Complete Technology Book on Printing Inks..... 1000/- 100
- Handbook on Printing Technology (Offset, Flexo, Gravure, Screen, Digital, 3D Printing with Book Binding and CTP) (4th Revised Edition) 1675/- 150
- Screen Printing Technology Handbook..... 1000/- 100
- Modern Printing Technology..... 250/- 50
- The Complete Book on Printing Technology with Process Flow Diagrams, Plant Layouts and Machinery Details (Offset, Gravure, Flexographic, Security, Web Offset and Pad Printing) 2nd Rev. Edn..... 1695/-150

PAPER, PULP & PAPER CONVERSION

- Modern Technology of Pulp, Paper and Paper Conversion Industries 1000/- 100
- The Complete Technology Book on Pulp & Paper Industries.. 1100/- 125
- Handbook on Pulp and Paper Processing 1875/- 150

CONFECTIONERY, VEGETABLES, SPICES, AGRO BASED, CEREAL FOOD, MILK, COCOA, CHOCOLATE, ICE CREAM, PLANTATION, FARMING, FOOD & BEVERAGES, FRUITS, DAIRY, OILS & FATS, BAKERY, SNACKS, FISHERIES, MEAT, COCONUTS, SUGARCANE, TEA CULTIVATION & PROCESSING

- Cultivation of Fruits, Vegetables and Floriculture..... 1100/- 125
- Cultivation of Tropical, Subtropical, Vegetables, Spices, Medicinal and Aromatic Plants 1075/- 125
- Tropical, Subtropical Fruits and Flowers Cultivation 1075/- 125
- Food Packaging Technology Handbook (Biodegradable Films, Materials, Polymers, Aseptic Packaging, Labels and Labelling, Packaging of Cashew Nuts, Dairy Products, Milk, Fish, Meat, Shrimps, Canning of Vegetables, Fruits with details of Machinery and Equipments) 3rd. Rev.Edn..... 1895/- 200
- Modern Technology on Food Preservation (2nd Rev. Edn.).... 1275/- 125
- Modern Technology of Food Processing & Agro Based Industries (Confectionery, Bakery, Breakfast Cereal Food, Dairy Products, Sea Food, Fruits & Vegetable Processing) with Project Profiles (3rd Rev. Edn)..... 1775/- 150
- Modern Technology of Confectionery Industries with Formulae & Processes (2nd Rev.Ed.) 600/- 100
- Modern Technology of Agro Processing & Agricultural Waste Products.... 975/- 100
- Handbook on Agro Based Industries (2nd Rev. Edn.) # 1595/- 150
- Handbook on Spices 975/- 100
- Modern Technology of Oils, Fats & Its Derivatives (2nd Rev. Edn.) .. 1875/- 150
- Manufacture of Food & Beverages (2nd Rev. Edn.) # 1895/- 150
- Detailed Project Profiles on Dairy & Dairy Products (Dairy Industry, Dairy Packaging, Dairy Farming & Dairy Products, Chocolate Confectionery Plant, Cheese Analogue, Milk Processing, Skimmed Milk Powder & UHT Milk Plant) 3rd Revised Edition # 2595/- 225
- Profitable Agro Based Projects with Project Profiles (Cereal Food Technology) (2nd Revised Edition) # 1895/- 150
- Modern Technology of Milk Processing & Dairy Products (4th Rev. Edn.)1475/- 150
- The Complete Technology Book on Dairy & Poultry Industries with Farming & Processing (2nd Rev. Edn.) 1275/- 125
- The Complete Technology Book of Cocoa, Chocolate, Ice Cream and Other Milk Products 1275/- 125
- The Complete Technology Book on Flavoured Ice Cream (Manufacturing Process, Flavours, Formulations with Machinery Details) 2nd Revised Edition..... 1475/- 150
- Handbook on Drying, Milling and Production of Cereal Foods (Wheat, Rice, Corn, Oat, Barley and Sorghum Processing Technology) (2nd. Rev. Edn.)..... 1295/- 125

NAME OF BOOKS

₹ / US\$

- The Complete Book on Spices & Condiments (With Cultivation, Processing & Uses) (2nd Rev. Edn.)..... 2275/- 200
- The Complete Book on Coconut & Coconut Products (Coconut Cultivation, Manufacturing Process of Coconut Oil, Desiccated Coconut, Coconut Powder, Coconut Milk, Coconut Milk Powder, Coconut Chips, Coconut Water, Vinegar, Activated Carbon, Coconut Jam with Machinery Equipment Details & Factory Layout) 1695/- 150
- Profitable Farming & Allied Projects (2nd Rev. Edn.) #..... 1495/- 150
- Rabbit, Goat, Sheep, Poultry, Fish and Pig Farming with Feed Technology 1100/- 125
- The Complete Technology Book on Bakery Products (Baking Science with Formulation & Production (4th Rev. Edition) 1995/- 200
- The Complete Technology Book on Snack Foods (2nd Rev. Edn.)..... 1475/- 150
- The Complete Technology Book on Processing, Dehydration, Canning, Preservation of Fruits & Vegetables (Processed Food Industries) (4th Rev. Edn.) 1995/- 200
- Handbook on Fruits, Vegetable & Food Processing with Canning & Preservation (3rd Rev. Edn.)..... 1475/- 150
- Detailed Project Profiles on Plantation (Agro Based Projects) # 1095/- 100
- Handbook on Fisheries and Aquaculture Technology 1100/- 125
- The Complete Book on Meat Processing and Preservation with Packaging Technology..... 1275/- 125
- Preservation of Meat and Poultry Products 1100/- 125
- The Complete Technology Book on Meat, Poultry and Fish Processing (2nd Revised Edition) 1475/- 150
- Potato and Potato Products Cultivation, Seed Production, Manuring, Harvesting, Organic Farming, Storage and Processing 1275/- 125
- Handbook on Rice Cultivation and Processing 1075/- 125
- The Complete Book on Beekeeping and Honey Processing (2nd Rev. Edn.)1475/- 150
- The Complete Technology Book on Alcoholic and Non-Alcoholic Beverages (Fruit Juices, Sugarcane Juice, Whisky, Beer, Microbrewery, Rum and Wine) 2275/- 200
- Handbook on Citrus Fruits Cultivation and Oil Extraction..... 1575/- 150
- Fruits, Vegetables, Corn and Oilseeds Processing Handbook 1675/- 150
- Handbook on Spices and Condiments (Cultivation, Processing and Extraction)..... 1575/- 150
- Handbook on Fermented Foods and Chemicals 1875/- 150
- Industrial Alcohol Technology Handbook..... 1675/- 150
- The Complete Book on Wine Production 2275/- 200
- Handbook on Milk and Milk Proteins..... 1275/- 125
- The Complete Book on Cultivation and Manufacture of Tea (2nd Rev. Edn.) 1625/- 150
- The Complete Book on Sugarcane Processing and By-Products of Molasses (with Analysis of Sugar, Syrup and Molasses) 1675/- 150
- Confectionery Products Handbook (Chocolate, Toffees, Chewing Gum & Sugar Free Confectionery) 1975/- 200
- The Complete Book on Fruits, Vegetables and Food Processing 1675/- 150
- The Complete Book on Cashew (Cultivation, Processing & By-Products) 1775/- 150
- The Complete Book on Tomato & Tomato Products Manufacturing (Cultivation & Processing) 2nd. Rev. Edn. 1400/-150
- The Complete Book on Onion & Garlic Cultivation with Processing (Production of Onion Paste, Flakes, Powder & Garlic Paste, Powder, Flakes, Oil) 2nd Revised Edition..... 1575/-150
- Handbook on Pig Farming and Pork Processing (Feeding Management, Breeding, Housing Management, Sausages, Bacon, Cooked Ham with Packaging) 2nd Rev. Edn. 1275/-125
- Handbook on Manufacture of Indian Kitchen Spices (Masala Powder) with Formulations, Processes and Machinery Details (Chaat Masala, Sambar Masala, Pav Bhaji Masala, Garam Masala, Goda Masala, Pani Puri Masala, Kitchen King Masala, Thandai Masala Powder, Meat Masala, Rasam Powder, Kesari Milk Masala, Punjabi Chole Masala, Shahi Biryani Masala, Tea Masala Powder, Jaljeera Masala, Tandoori Masala, Fish Curry Masala, Chicken Masala, Pickle Masala, Curry Powder) (5th Revised Edition) 1975/-200
- The Complete Book on Ginger Cultivation and Manufacture of Value Added Ginger Products (Ginger Storage, Ginger Oil, Ginger Powder, Ginger Paste, Ginger Beer, Instant Ginger Powder Drink and Dry Ginger from Green Ginger) 1575/-150
- 55 Most Profitable Micro, Small, Medium Scale Food Processing (Processed Food) Projects and Agriculture Based Business Ideas for Startup (2nd Revised Edition) 1495/-150
- Manufacture of Pan Masala, Tobacco and Tobacco Products (Tobacco Cultivation, Chewing Tobacco, Cigarettes, Bidi, Cigars, Khaini, Zarda, Gutka, Katha, Mouth Freshner, Pan Chatni, Kimam, Sweet Supari, Nicotine Sulphate, USP Nicotine, Nicotine Tartarate, Nicotine, Polacrilex Resin) 2nd Rev. Edn. 2225/-200
- फूड प्रोसेसिंग इंडस्ट्रीज (खाद्य प्रसंस्करण एवं कृषि आधारित उद्योग परियोजनाएँ) 2nd Rev. Edn..... 1475/- 150

NAME OF BOOKS

₹ / US\$

- Handbook on Maize (Corn) Processing and Manufacture of Maize Products (Oil, Starch, Corn Steep Liquor, Syrup, Cornmeal, Popcorn, Flakes, Gluten, Husk, Anhydrous Dextrose, High Maltose Syrup, Maltodextrin Powder, Monohydrate Dextrose, Sorbitol, Ethanol, Cattle Feed with Manufacturing Processes, Equipment Details and Plant Layout)1895/- 150

SMALL SCALE INDUSTRY (SSI), ENTREPRENEURSHIP, PROJECT IDENTIFICATION AND PROFILES, HI-TECH PROJECTS, EXPORT BUSINESS, GUIDELINES, SELF EMPLOYMENT, WOMEN ENTREPRENEURSHIP, SMALL, COTTAGE & HOME INDUSTRIES

- Stop Dreaming—Start Your New Business 400/- 50
- What No One Ever Tells You About Starting Your Business—Facilities and Procedures for Entrepreneurs..... 400/- 50
- Secrets for Making Big Profits from Your Business with Export Guidelines 400/- 50
- Opportunities for Women Entrepreneurship (With Project Profiles) 2nd Edition 575/- 50
- लघु व कुटीर उद्योग (समल स्केल इण्डस्ट्रीज) (5th Revised Edition)... 1150/- 125
- Profitable Small, Cottage & Home Industries 800/- 100
- Select and Start Your Own Industry (4th Revised Edition) 475/- 50
- Just For Starters : How To Start Your Own Export Business ? 4th Revised Edition 975/-100
- Just For Starters : How To Become A Successful Businessman ? 3rd Revised Edition 475/- 75
- Best Businesses You Can Start With Low Cost (2nd Rev. Edition) ... 750/-100
- 50 Projects To Start With 5,00,000 475/- 75
- Just For Starters: Selected Projects To Start With 30,00,000 475/- 50
- Just For Starters: Selected Projects To Start With 15,00,000 475/- 50
- Just For Starters : Selected Projects To Start With 35,00,000 475/- 50
- Grow Rich By Starting Your Own Business..... 325/- 50
- 50 Best Home Businesses To Start with Just 50,000..... 425/- 75
- Profitable Cottage and Tiny Industries 475/- 50
- Detailed Project Profiles on Selected Hi-Tech Projects (Project Reports) #..... 795/- 100
- Money Making Business Ideas You Can Start from Home with Low Costs (Profitable Part Time, Spare Time and Side Businesses) 2nd Revised Edition 800/- 100
- स्मॉल स्केल इण्डस्ट्रीज प्रोजेक्ट्स (लघु, कुटीर व घरेलू उद्योग परियोजनाएँ उद्योगिता मार्गदर्शिका) 2nd Rev. Edn. 950/- 100
- Start-Up Projects for Entrepreneurs : 50 Highly Profitable Small & Medium Industries—2nd Rev. Edn. 1700/- 150
- Entrepreneurs Start-Up Handbook: Manufacturing of Profitable Household (FMCG) Products with Process & Formulations (2nd Rev. Edition)..... 1675/- 150
- Profitable Small Scale Industries Money making Business Ideas for Startup (when you don't know what industry to start) 975/- 100

FASHION TECHNOLOGY

- Fashion Technology Handbook 325/- 50

CANDLE: MAKING & DESIGNS

- The Complete Technology Book on Candle: Making & Designs 650/- 100

PLASTICS, SPECIALITY PLASTICS, FOAMS (URETHANE, FLEXIBLE, RIGID), PET & PREFORM, BIODEGRADABLE PLASTICS, POLYESTER FIBERS, MOULD DESIGNS, PLASTIC FILMS, HDPE AND THERMOSET PLASTICS, MEDICAL PLASTICS, INDUSTRIAL POLYMERS, ADDITIVES, COLOURANTS AND FILLERS, FIBRE GLASS, OPTICAL GLASS AND REINFORCED PLASTICS

- Modern Technology of Plastic Processing Industries (2nd Edn.) ... 975/- 100
- Detailed Project Profiles on Hi-Tech Plastic Products (2nd Revised Edition) # 1895/- 150
- Handbook on Pet Film and Sheets, Urethane Foams, Flexible Foams, Rigid Foams, Speciality Plastics, Stretch Blow Moulding, Injection Blow Moulding, Injection and Co-Injection Preform Technologies 1275/- 125
- Handbook on Biodegradable Plastics (Eco-Friendly Plastics) ... 600/- 100
- Polymers and Plastics Technology Handbook..... 750/- 100
- The Complete Book on Biodegradable Plastics and Polymers (Recent Developments, Properties, Analysis, Materials & Processes) 1275/- 125
- The Complete Book on Medical Plastics..... 975/- 100
- The Complete Technology Book on Expanded Plastics, Polyurethane, Polyamide and Polyester Fibers 1275/- 125
- The Complete Technology Book on Industrial Polymers, Additives, Colourants and Fillers..... 1100/- 125
- The Complete Technology Book on Polymers (With Processing & Applications)..... 1100/- 125

NAME OF BOOKS

₹ / US\$

- The Complete Technology Book on Plastic Extrusion, Moulding and Mould Designs 1000/- 100
- The Complete Technology Book on Fibre Glass, Optical Glass and Reinforced Plastics..... 1275/- 125
- The Complete Technology Book on Plastic Films, HDPE and Thermoset Plastics..... 1175/- 125
- Modern Technology of Plastic and Polymer Processing Industries..... 750/- 100
- Profitable Plastic Industries 250/- 50
- The Complete Book on Water Soluble Polymers 1575/- 150
- Speciality Plastics, Foams (Urethane, Flexible, Rigid) Pet & Preform Processing Technology Handbook..... 1275/- 125

LEATHER PROCESSING & TANNING

- Leather Processing & Tanning Technology Handbook..... 1400/-150

TEXTILE SPINNING, WEAVING, FINISHING AND PRINTING, PROCESSING WITH EFFLUENT TREATMENT, TEXTILE DYES & PIGMENTS, NATURAL DYES & PIGMENTS, NATURAL FIBERS, JUTE & COIR

- The Complete Technology Book on Textile Spinning, Weaving, Finishing and Printing (3rd Rev.Edn.) 1725/- 150
- The Complete Technology Book on Textile Processing with Effluent Treatment..... 1000/- 100
- Modern Technology of Textile Dyes & Pigments (2nd Rev. Edn.).. 1675/- 150
- The Complete Technology Book on Dyes and Dye Intermediates (2nd Rev. Edn.)..... 1995/- 200
- The Complete Book on Natural Dyes & Pigments..... 1100/- 125
- Handbook on Natural Dyes for Industrial Applications (Extraction of Dyestuff from flowers, Leaves, Vegetables) 2nd Rev. Edn..... 1575/- 150
- Natural Fibers Handbook with Cultivation & Uses..... 1275/- 125
- Woollen Spinning, Weaving, Knitting, Dyeing, Bleaching and Printing Technology Handbook 1100/- 125
- Handbook on Textile Auxiliaries, Dyes and Dye Intermediates Technology 1575/- 150
- The Complete Book on Textile Processing and Silk Reeling Technology 1750/- 150
- A Concise Guide on Textile Dyes, Pigments and Dye Intermediates with Textile Printing Technology..... 1675/- 150

ELECTROPLATING, ANODIZING & METAL TREATMENT, POWDER COATING AND METAL FINISHING

- Electroplating, Anodizing & Metal Treatment Handbook 1475/- 150
- The Complete Technology Book on Electroplating, Phosphating, Powder Coating and Metal Finishing (2nd Rev. Edn.)..... 1675/- 150
- Handbook on Electroplating with Manufacture of Electrochemicals 1695/- 150

RUBBER PROCESSING AND COMPOUNDING

- The Complete Book on Rubber Processing and Compounding Technology (with Machinery Details) (2nd Revised Edition) .. 1875/- 150
- The Complete Book on Rubber Chemicals..... 1575/- 150
- Handbook on Rubber and Allied Products (with Project Profiles) #..... 2295/- 200

SURFACE COATING, PAINTS, VARNISHES & LACQUERS

- The Complete Book on Resins (Alkyd, Amino, Phenolic, Polyurethane Epoxy, Silicone, Acrylic) Paints, Varnishes, Pigments & Additives (Surface Coating Products with Formulae) 3rd Rev. Edn..... 1995/- 150
- Paints, Pigments, Varnishes and Enamels Technology Handbook (With Process & Formulations) 2nd Rev. Edn. 1675/- 150
- Modern Technology of Paints, Varnishes & Lacquers (2nd Edn.) 1075/- 125
- Handbook on Paints and Enamels..... 1275/- 125
- Surface Coating Technology Handbook 1475/- 125
- Spirit Varnishes Technology Handbook (with Testing and Analysis) 1275/- 150
- The Testing Manual of Paints, Varnishes and Resins..... 1875/- 150
- Handbook on Paint Testing Methods 1575/- 150
- Manufacture of Thinners & Solvents (Properties, Uses, Production, Formulation with Machinery Details) 2nd Edn. Rev..... 1875/- 150
- Manufacture of Paint Varnish & Allied Products (Industrial Paint, N.C. Thinner, Paint Industry, Infrared Reflected (IR) Paint, High Temperature Aluminium Based Paint, Paint Drier, Powder Coating Paint, Latex Paints for Roof) 3rd Edition # 1995/- 200

GUMS, ADHESIVES & SEALANTS, ROSIN & DERIVATIVES, RESINS AND OLEORESINS

- Gums, Adhesives & Sealants Technology (with Formulae & their Applications) 2nd Rev. Edn. 1475/- 150

NAME OF BOOKS

₹ / US\$

- 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)..... 1895/- 150
- 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

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, processes & 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

CONSTRUCTION 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

- 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, Derivatives, 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 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.

- 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 immediabely 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 :

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

Fast Moving Consumer Goods (FMCG) Projects, Non-Durable Items, Consumer Packaged Goods (CPG), Packaged Foods, Beverages, Toiletries, Over-the-Counter Drugs and many other Consumables



- » Adhesive (Fevicol Type) Water Proofing Grade
- » Adhesives (Fevicol Type)
- » Adult Pull-Up Diapers
- » Agarbatti (Incense Sticks)
- » Aloe Vera Gel and Powder
- » Aluminium Foil
- » Amla (Indian Gooseberry) Hair Oil Based on Vegetable Oil
- » Apple Chips
- » Aqua Fish Feed (Aquaculture Feed & Food)
- » Aromatic Herbal Shampoo
- » Atta Chakki
- » Atta, Maida, Suji & Wheat Bran
- » Ayurvedic Medicines (Chyawanprash, Cough Syrup Herbal, Ayurvedic Hair Oil, Jawahar Mohra & Mukta Shukti Tablets)
- » Ayurvedic Pain Balm (Ointment)
- » Baby & Adult Diapers & Sanitary Pads
- » Baby Cereal Food
- » Baby Diaper & Sanitary Napkins
- » Baby Food Products (Infant Cereals, Porridge Mixes, Fruits Purees, Savoury Meals, Infant Milk, Baby Biscuits, Mueslis)
- » Baby Wet Wipes and Facial Wet Tissues
- » Bael, Pine Apple, Lychee Juices
- » Bakery Products (Cake & Filled Croissants Puffs)
- » Ball Point Pen Refills
- » Banana Chips
- » Banana Powder
- » Banana Wafers
- » Banana, Onion, Orange and Tomato Powder
- » Basmati Rice Mill
- » Besan (Gram Flour)
- » Biscuits & Candy
- » Biscuits & Cookies
- » Black Phenyl
- » Blue Detergent Powder
- » Bopp Pressure Sensitive Self Adhesive Tape
- » Bread
- » Bread and Biscuits
- » Bread Plant
- » Butter
- » Cake & Filled Croissants Puffs
- » Candle
- » Canned Carrot Juice & Bottle Gourd Long Melon Lauki Ka Juice) In Aseptic packaging
- » Canned Foods Chopped Tomatoes, Cheeked Beans and Mushrooms
- » Caramel Food Colorant (Caramel Color)
- » Carbonated and Non-Carbonated Drinks (Non-Alcoholic)
- » Cashew
- » Castor Oil
- » Cheese
- » Chewing Gum
- » Chilli Oil from Red Chilli
- » Chilli Powder
- » Chocolate, Toffee and Candy
- » Cleaning Powder for Utensils (Vim Type)
- » Cocoa Beverages in Granule Form (Health Drinks)
- » Coconut Oil from Copra
- » Condoms
- » Corn Flakes
- » Cosmetics-Perfume Gel, Nail Polish Remover Liquid, Hair Gel, Face Wash Gel
- » Cow and Buffalo Milk



- » Crude Soyabean and Palm Oil
- » Curcumin
- » Curry Leaves Essential Oil
- » Curry Powder
- » Dairy Milk
- » Dairy Products & Milk Packaging in Pouches
- » Dairy Products (Pasteurised Milk, Curd, Butter, Ghee, Paneer and Butter Milk)
- » Dehydrated Beetroot Powder
- » Dehydrated Carrot Powder
- » Dehydrated Onion
- » Dehydrated Vegetables, Mushroom and Soup
- » Detergent Cake & Washing Powder
- » Detergent Cake and Detergent Powder
- » Dhoop (Loban) Benzoin
- » Diabetic Food
- » Dish Wash (Liquid & Soap Bar) and Detergent (Liquid Soap Bar and Powder)
- » Disposable Cups and Plates Using Sugarcane Bagasse
- » Disposable Products (Thermocol Plate Dona Thali And Glass Paper Coffee And Pepsi Glass, Silver Coated Dona, Plates And Spoons, Plastic Glass And Spoon, Tissue Paper)
- » Dry Fruits
- » Edible Corn Oil
- » Edible Nuts (Peanuts, Cashew Nuts, Almonds and Pistachio)
- » Edible Oil
- » Edible Oil Using Crude Palm Oil
- » Edible Vegetable Oil
- » Egg Powder
- » Energy Protein Bar
- » Essential Oil (Jasmine and Tuberose)
- » Exercise Note Books
- » Face Cream, Talcum Powder, After Shave Lotion Liquid, Shaving Cream Gel and Hand Wash Gel
- » Flavoured Drinking Water
- » Flavoured Nuts
- » Floor Cleaners
- » Freeze Dried Vegetables
- » Fresh Dips
- » Fresh Frozen Vegetables
- » Frozen Convenience
- » Frozen Finger Chips
- » Frozen Foods, Fresh Produce, Purees & Sauces
- » Frozen Layer Paratha (Fried Dough Food - Flatbread Native to The Indian Subcontinent)
- » Fruit Beverage
- » Fruit Juice (Apple, Plum and Peach)
- » Fruit Juice (In Aseptic Packaging)
- » Fruit Juice (Mango, Lychee, Pineapple, Orange & Pomelo for Concentrates, Juice in Cans)
- » Fruit Juice (Mango, Orange & Litchi) & Sugarcane Juice in Aseptic Packaging & Pet Bottles
- » Fruit Juices (Pineapple, Banana, Orange & Guava)
- » Fruits & Vegetables Powder (Tomato, Onion, Mango, Pomegranate and Papaya Powder)
- » Functional Food Based Bakery Products (Bread, Cookies and Biscuits)
- » Garlic Powder
- » Ghee
- » Ginger Oil
- » Glass Cleaner, Floor Cleaner & Toilet Cleaner
- » Glycerin Bath Soap (Pears Type)



- » Gourmet Popcorns (Popped Corn, Popcorns or Pop-Corn)
- » Green Peas
- » Groundnut Oil
- » Gutkha & Pan Masala
- » Hair Dye & Colourants
- » Hair Dye (Godrej Type)
- » Hair Shampoo
- » Hair Shampoo (Herbal)
- » Hand Sanitizer
- » Hard Boiled Candy
- » Hard Stains Remover Liquid, Detergent Powder
- » Herbal Body Care Beauty Products (Herbal Body Wash, Shampoo, Hair Conditioners, Soaps, Lotions and Scrubs)
- » Herbal Cosmetics (Shampoo, Conditioner, Face Wash, Body Wash, Massage Oil, Hair Oil, Face Cream, Massage Cream, Lip Balm)
- » Herbal Hair Oil (Banphool Type)
- » Herbal Hair Oils
- » Herbal Health Drink
- » Honey
- » Ice Cream & Ice Candy
- » Idli Mix, Dosa Mix, Sambhar Mix, Vada Mix, Gulabjamun Mix, Tomato Soup Mix (Instant Food)
- » Indian Kitchen Spices
- » Instant Ginger Powder Drink
- » Instant Noodles
- » Instant Tea
- » Instant Tea (Without Premix of Milk & Sugar)
- » Iodised Salt
- » Iodised Salt Free Flowing From Sea Water
- » Khakra-Ready to Eat (RTE) Convenience Food
- » Khandsari Sugar
- » Kuttu (Buckwheat) Seed Dehulling
- » Laundry Soap
- » Light & Fragrant Hair Oil with Coconut Oil & Mineral Oil
- » Liquid Detergents
- » Liquid Hand Wash
- » Liquid Shoe Polish
- » Liquid Washing Soap, Perfumed Bleach for the Wash of White Cloths, Toilet Tills, Scouring Powder
- » Macaroni, Spaghetti, Vermicelli and Noodles
- » Macaroni, Vermicelli & Atta Noodles
- » Macaroni, Vermicelli, Noodles and Instant Noodles with Tastemaker
- » Mango Papad (Aam Papad)
- » Mango Pickles
- » Mango Pulp & Slices
- » Masala Powder and Chilli Powder
- » Match Box
- » Mayonnaise
- » Milk
- » Milk (Pouches & Cans)
- » Milk Powder (SMP, WMP and Dairy Whitener)
- » Mineral Water
- » Mishri (Sugar Candy)
- » Modern Chili Powder
- » Mosquito Coil and Mats
- » Mosquito Repellent Liquidator, Vaporiser (All Out Type)
- » Mosquito Repellent Mats & Liquid
- » Mosquito Repellent Candles
- » Mosquito Repellent Coils



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

NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2015 CERTIFIED COMPANY

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

- » Mosquito Repellent Incense Stick
- » Mouth Freshener (Sounf, Supari, Elaichi Flavoured & Coloured in Pouch)
- » Multiblade Safety Razor
- » Multigrain Atta Using Super Food Grains- Atta (Flour) With Nine Super Whole Grains-Specialty Flour Mix (Natural Anti-Aging Flour For Boosting Metabolism, Energy & Power Useful For Diabetes, Blood-Pressure, Arthritis, Heart-Patients)
- » Mustard Oil
- » Namkeen (Dalmoth, Bhujia, Chana Chur and Khatta Meetha)
- » Nerol Soap and Detergent
- » Oil from Rajnigandha
- » Onion Powder
- » Orange Juice
- » Packaged Drinking Water
- » Packaged Drinking Water with Pet Bottle
- » Packaged Drinking Water with Pet Bottles (1 Ltr) (Automatic Plant)
- » Packaged Drinking Water with Pet Glasses (250 Ml) (Automatic Plant)
- » Packaged Drinking Water, Soda Water and Pet Bottles
- » Packaged Fruit Juices & Drinks
- » Palm Oil (Refined, Bleached)
- » Pan Chutney
- » Pan Masala Sada, Meetha, Zarda (Gutka) & Packaging
- » Paneer
- » Papad
- » Paper Cups, Plates and Boxes
- » Paper Napkins, Facial Paper & Toilet Rolls from Tissue Paper Rolls
- » Paper Napkins, Facial Tissue, Toilet Rolls, Kitchen Roll & Handkerchief
- » Paper Shopping Bags
- » Parboiled Rice with Rice & Corn Flakes
- » Peanut
- » Peanut Butter
- » Peanut Candy (Peanut Patti, Gajak)
- » Pencil
- » Pencil Sharpeners (Plastic)
- » Personal Care Products
- » Phenyl (Black & White)
- » Phenyl (Brown & White)
- » Pickles (Various Types)
- » Pickles, Murabbas, Sauces & Squashes
- » Plain Corn Flakes & Coated Choco Flakes
- » Plastic Tooth Picks



- » Poha (Rice Flakes)
- » Polymer Pencil
- » Potato Chips (Different Recipe and Flavors)
- » Potato Chips Wafers
- » Potato French Fries
- » Potato Powder, Flakes and Pellets
- » Potato Products (Potato Balls, Nuggets and French Fries)
- » Preservative Free Jam (Fruit Spreads) & Organic Jam
- » Printed Paper Shopping Bags
- » Protein Bar, Health Bar, Energy Bar, Nutrition Bar
- » Puffed Rice (Muri)
- » Pulp Fruit Drinks (Fruit Juice with Fruit Pulp)
- » Pulses
- » Purees and Sauces
- » Razor Blade
- » Razor Blade (Double Edge)
- » Ready To Eat Food (Retort Packing)
- » Red Chilli Powder
- » Refined Oil (Cotton Seed, Ground Nut Oil & Sunflower Oil)
- » Refined Vegetable Oil
- » Rice
- » Rice and Corn Flakes
- » Rice Bran Oil
- » Rice Flake (Poha)
- » Rice Flakes (Thin Poha) and Puffed Rice (Murmura)
- » Rice Powder, Puttu and Wheat Powder
- » Rubber Band
- » Rusk & Cookies
- » Salted Packaged Food
- » Sanitary Napkin & Baby Diapers
- » Sanitary Napkins (Ultra-Thin & Cotton Core Type)
- » Shampoo & Creams
- » Shaving Cream
- » Shoe Polish
- » Shoe Polish in Aerosol Filling
- » Skimmed Milk Powder
- » Soap and Detergent Powder
- » Soft Drink (Aerated Water)
- » Soft Drinks (Cola, Orange, Lemon, Mango Pulp, Ginger, Clear Lemon 7up Type)
- » Soft Drinks in Poly Pouches
- » Soybean Nuggets (Bariyan)
- » Soybean Oil, Soya Paneer and Soya Extract
- » Soybean Products (Soybean Oil, Soya Paneer, Soya Extract)



- » Spice
- » Spice Oil & Oleoresins of Spices (Ginger-Turmeric- Pepper & Red Chillies)
- » Spice Powder (Turmeric, Chilli, Pepper, Coriander and Cumin Powder)
- » Spices (Masala)
- » Spices (Turmeric Powder, Red Chilli Powder, Dhaniya Powder, Garam Masala, Sabji Masala, Popcorn Masala)
- » Spices in Pouch Packing
- » Spray Dried Fruit and Vegetables Juice Powder Vegetables and Fruit Juice Powder (Spray Dried Pineapple Juice Powder, Spray Dried Orange Juice Powder, Dehydrated Beetroot Powder, Dehydrated Carrot Powder)
- » Sugar
- » Sugarcane Juice in Aseptic Packaging
- » Sunflower Oil
- » Sweet & Scented Supari in Pouches
- » Sweet Scented Supari (Betel Nut)
- » Talcum and Compact Face Powder
- » Tea
- » Thermocol Cups, Glass and Plates
- » Tissue Paper
- » Toffee, Candy & Milk Chocolate
- » Toilet and Herbal Soap
- » Toilet Paper Roll
- » Toilet Soap
- » Tomato Concentrate & Ketchup
- » Tomato Paste
- » Tomato Products- Tomato Ketchup, Tomato Sauce and Tomato Soup
- » Tooth Paste
- » Toothbrush
- » Vacuum Fried Snacks
- » Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot)
- » Vanilla
- » Vegetables and Fruit Juice Powder Spray Dried Pineapple Juice Powder, Spray Dried Orange Juice Powder
- » Vermicelli, Noodles and Cherry (Tooti Fruity)
- » Virgin Coconut Oil
- » Washing Soap and Washing Powder (Nirma Type)
- » Wheat Flour
- » White Phenyl
- » Wooden Toothpick
- » Yellow Peas Chana & Lentil (Pulses)
- » Zarda of Various Grades



Start Investing in Fastest Growing Industries

Titanium Dioxide from rutile ilmenite ore is a naturally occurring mineral composed of titanium, oxygen and other compounds. Titanium dioxide is the most abundant form of titanium found in nature. It is mined from deposits of ilmenite and rutile ores which are found in beach sands and river beds around the world. The rutile variety of titanium dioxide is particularly valued for its purity and stability. Titanium dioxide is typically extracted from ilmenite and rutile ores using several methods, such as sulphate and chloride processes.

Benefit of Titanium Dioxide

Titanium dioxide also has numerous environmental benefits. It helps reduce air pollution by reflecting sunlight back into the atmosphere instead of absorbing it like traditional carbon-based materials do. This means that it helps keep the air cooler and more breathable by reflecting the heat away from Earth's surface. Furthermore, titanium dioxide is non-toxic and biodegradable, making it an environmentally friendly alternative to traditional materials.

Uses and Application

Titanium dioxide (TiO₂) is a naturally occurring mineral derived from rutile and ilmenite ores. It is one of the most commonly used minerals in the world,

A Business Plan for Titanium Dioxide from Rutile Ilmenite Ore

with a range of applications that include sunscreen, food colouring, paint, and other industrial products. As a white pigment, titanium dioxide is often used in sunscreens to protect against UV rays and is an effective whitening agent for cosmetics. It is also used to enhance food colourings and is even used in some medical products, such

as bandages.

Indian Market Outlook

India is the world's third-largest producer of titanium dioxide (TiO₂) from rutile ilmenite ore. Demand for titanium dioxide in India is increasing as the industrial and automotive sectors expand. In the automotive sector, titanium dioxide is used to make white paint and plastic components. Industrial use is also growing, with TiO₂ being added to fiberglass, roofing tiles, paper products, enamels, rubber, medical and pharmaceutical.

Summary

The future of the titanium dioxide from rutile ilmenite ore industry looks very promising. As demand for titanium dioxide increases, the industry will have to find more efficient ways to process and refine the ore in order to meet demand. Companies are working to reduce waste and increase efficiency while maintaining high-quality standards.

PROJECT COST ESTIMATE CAPACITY

Titanium Dioxide	: 4 MT Per Day
Plant & Machinery	: ₹ 390 Lakhs
Cost of Project	: ₹ 1455 Lakhs
Rate of Return	: 27 %
Break Even Point	: 62 %

Setup Plant of Maize Starch & Liquid Glucose

Maize starch is a white powder that is derived from the endosperm of the maize plant, also known as corn. It is used as a thickener, stabilizer, and to improve texture and moisture retention in baked goods. Liquid glucose is a concentrated form of glucose syrup, which is derived from maize starch. Maize starch and liquid glucose both have various benefits when used in the food industry. Maize starch is known to have a low glycemic index and can provide a subtle sweetness without adding any calories or carbohydrates. Additionally, liquid glucose helps to increase shelf life, retain moisture, and prevent spoilage.

Benefit and Uses

Maize starch and liquid glucose are rapidly becoming an essential part of the food industry. They have multiple uses, such as in baking, candy making, and manufacturing of beverages. Maize starch and liquid glucose can also be used to thicken sauces and soups, to increase shelf life of products, and to add texture and flavor. The main benefit of using maize starch and liquid glucose is that they are natural ingredients, derived from corn. As a result, they are much healthier than many other refined starches, making them an attractive option for health-conscious consumers.

Indian Market Outlook

The Indian Maize Starch & Liquid Glucose industry is expected to grow at a healthy rate in the coming years due to increasing demand and technological advancements. The increasing awareness among consumers about the health benefits associated with consuming these products is also likely to fuel the growth of the industry.

Global Market Outlook

The global market outlook of maize starch and liquid glucose is very positive. According to industry analysts, the demand for these products has been steadily increasing in recent years due to the wide range of uses for both products. Maize starch and liquid glucose are used in a variety of industries, from food manufacturing and baking to pharmaceuticals and cosmetics.

Conclusion

The maize starch and liquid glucose business is projected to continue to grow in the coming years. As more companies switch to using these ingredients, the demand for them will continue to rise. Additionally, as new products are developed that make use of maize starch and liquid glucose, the industry will continue to expand.

Opportunities in Drinking Water with Packaging in Aluminium Beverage Cans (Mineral, Carbonated, Alkaline)

Water goes without saying that water, a mixture of hydrogen and oxygen, is a priceless natural gift that is critical for the existence of humans and animals alike. Water that is utilised for drinking reasons should be free of contaminants. Untreated water from sources such as wells, boreholes, and springs is often unsanitary and unsafe to consume. Purifying water and supplying it in sanitary conditions for human use is thus desirable and necessary.

Water that is safe to drink or use for food preparation is referred to as drinking water. The amount of drinking water needed to stay healthy varies, depending on physical activity, age, health-related disorders, and environmental factors. Even while only a small fraction of tap water is consumed or used in food preparation, it usually meets drinking water quality standards in developed countries.

Other common use include laundry, toilets, and irrigation. Access to safe drinking water is considered a basic human right by the World Health Organization.

Mineral water is water from a mineral spring that contains salts and sulphur compounds, among other minerals. Mineral water is usually either still or sparkling (carbonated/effervescent) depending on whether or not additional gases are present. Mineral waters were traditionally used or drank near their spring sources, a practise known as "taking the waters" or "taking the remedy," in spas, baths, or wells.

Carbonated water (also known as sparkling water, fizzy water, club soda, and water with gas) is water that contains dissolved carbon dioxide gas, which is either naturally present or purposefully injected under pressure. Small bubbles form as a result of the carbonation, giving the water an effervescent aspect. Sparkling natural mineral water, club soda, and commercially made sparkling water are all popular options. Minerals such as potassium bicarbonate, sodium bicarbonate, sodium citrate, and potassium sulphate are added or dissolved in club soda and sparkling mineral water, as well as several other sparkling fluids.

The global bottled water market was valued at USD 217.66 billion in 2020, with a compound annual growth rate (CAGR) of 11.1 percent predicted from 2021 to 2028. The important elements driving the industry over the next few years will be portability, ease of use and installation, and low maintenance costs.

Additionally, increased consumer awareness of the health benefits of drinking bottled water is expected to propel market expansion throughout the forecast period. Plain and flavoured still and sparkling water have become immensely popular beverages on a global scale in recent years. This is a new megatrend that is expected to grow in popularity in the next years. Consumers are choosing for packaged water and limiting their intake of sugary drinks as their health awareness grows. Still bottled water consumption has increased in food outlets and restaurants, which is driving market expansion.

PROJECT COST ESTIMATE

CAPACITY:

<i>Mineral Water</i>	: 2,000 Cans Per Day
<i>Carbonated Water</i>	: 2,000 Cans Per Day
<i>Alkaline Water</i>	: 2,000 Cans Per Day
Plant & Machinery	: ₹ 186 Lakhs
Cost of Project	: ₹ 417 Lakhs
Rate of Return	: 22%
Break Even Point	: 61%

PROJECT COST ESTIMATE

CAPACITY:

<i>Maize Starch</i>	: 50 MT Per Day
<i>Liquid Glucose</i>	: 20 MT Per Day
<i>Germ by Product</i>	: 4 MT Per Day
<i>Fibre by Product</i>	: 2 MT Per Day
<i>Steep Water by Product</i>	: 6 MT Per Day
Plant & Machinery	: ₹ 30 Cr.
Cost of Project	: ₹ 43 Cr.
Rate of Return	: 24 %
Break Even Point	: 44 %

Demanding Business of E-Rickshaw Assembling

Erickshaws are now one of the preferred modes of transport in streets because of its low maintenance cost, low fuel cost, Eco-friendly, no noise pollution, easy to drive and last but not the least livelihood, e-rickshaw is a boon to the common man. Without putting in much physical efforts and without investing much amount of money, the earning is quite good for an e-rickshaw driver and hence it is an important means of livelihood for many. These e-rickshaws consist of 3 wheels with a differential mechanism at rear wheels. Basically these vehicles have a mild steel tubular chassis.

The global e-Rickshaw market is projected to expand at around 9% CAGR during the upcom-

PROJECT COST ESTIMATE

CAPACITY

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

ing period. The growth of the market is attributed to low cost of transportation and low power consumption. E-rickshaws are widely accepted as an alternative to diesel, petrol, CNG auto rickshaws. The mismatch between any of these components is nasty and may reduce performance. The global e-Rickshaw market is projected to expand at around 9% CAGR during the period. The growth of the market is attributed to low cost of transportation due better mileage and low power consumption. Increase in sales and production of electric vehicles as an alternative for fuel-based mobility, owing to several government initiatives and environmental regulations on the electric vehicle industry, is projected to drive the e-rickshaw market.

Manufacturing Business of Blood Collection Tubes (Vacutainer)

A vacuum blood collection tube is a sterile glass or plastic test tube with a stopper that creates a vacuum inside the tube so that a preset volume of liquid can be depicted. By avoiding needles from coming into contact with humans and so being contaminated, the vacuum blood collection tube avoids needle stick injuries. A double-pointed needle is fitted to a plastic tubular adapter in the vacuum blood collecting tube. Double-pointed needles come in a variety of gauge sizes. The needle's length varies from 1 to 1 1/2 inches. Additional elements may be present in vacuum blood collection tubes, which are used to preserve blood for treatment in a medical laboratory. These additives come in the form of ultrasonic nozzle-applied films.

Clinics and laboratories commonly utilise a vacuum blood collection tube to store blood for future testing. An alternative for vacuum blood collection tubes has been developed that can store blood for testing purposes for a prolonged period of time. Vacuum blood collection tubes come in a variety of sizes and specimen kinds. When the needle punctures the cap of a blood collection tube, the vacuum is dissipated over time, and blood is not pulled into the tube.

Blood Collection Tubes Market is expected to reach \$2.81 billion by 2025, with a CAGR of 7.1 percent from 2020 to 2025. Many disorders require the use of blood in their diagnosis and treatment. The collection, storage, and management of blood after it has been obtained from a donor are all part of the blood processing process. The blood collection tubes, also known as vacutainers, are disinfected and have a safety-engineered stopper with multiple labelling options with the volume on it and the colour of the caps shows the additives in the tube. The need for blood collection tubes is being driven by the increased use of blood samples in diagnostics and the requirement for blood components in the treatment of numerous disorders.

PROJECT COST ESTIMATE

CAPACITY:

*Blood Collection Tubes (Vacutainer) : 100,000 Nos Per Day
13x100 with EDTA*

*Blood Collection Tubes (Vacutainer) : 100,000 Nos Per Day
13x75 Plain*

Plant & Machinery	: ₹ 345 Lakhs
Cost of Project	: ₹ 983 Lakhs
Rate of Return	: 30%
Break Even Point	: 51%

Biomass Briquettes from Bio Waste

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

Worldwide, the energy stored in biomass through photosynthesis is approximately 3×10^{21} J (90% in trees) every year, which is nearly 10 times the world's annual energy use. Even through the total renewable biomass resource for energy far exceeds the world's total energy requirement, its volume exploitation remains limited because of the present low cost of fossil fuels, the heterogeneous nature of biomass, and the area over which the biomass must be collected for large-scale applications.

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

PROJECT COST ESTIMATE

CAPACITY

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

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

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

Bamboo Toothbrush

The toothbrush is an oral hygiene instrument used to clean the teeth, gums, and tongue. It consists of a head of tightly clustered bristle, atop of which toothpaste can be applied, mounted on a handle which facilitates the cleaning of hard-to-reach areas of the mouth. They are usually used alongside floss.

They are available with different bristle textures, sizes, and forms. Most dentists recommend using a soft toothbrush since hard-bristled toothbrushes can damage tooth enamel and irritate the gums.

Because many common and effective ingredients in toothpaste are harmful if swallowed in large doses and instead should be spat out, the act of brushing teeth is most often done at a sink within the kitchen or bathroom, where the brush may be rinsed off afterwards to remove any debris remaining and then dried to reduce conditions ideal for germ growth (and, if it is a wooden toothbrush, mold as well).

The organic bamboo toothbrush comprises a natural bamboo handle and fine bristles that make for clean teeth and a healthy mouth. You can be sure there's no chemical coming in contact with your mouth, and the best part? It's 100% biodegradable.

The Global Bamboo Toothbrush Market is expected to register a CAGR of 7% to reach USD842.1 million by 2024. Bamboo toothbrushes are an eco-friendly alternative to plastic toothbrushes. Bamboo has several characteristics that make it an ideal substitute for plastic. It is cost-effective, has anti-microbial properties, can be grown in a wide variety of landscapes, and is easy to manipulate to make objects. Bamboo toothbrushes naturally ward off microbial growth and can be discarded without causing any harm to the environment.

With a large number of anti-plastic policies and stringent regulations implemented by various countries for the eco-friendly alternatives for plastic goods are expected to increase awareness among consumers over the next few years. Plastic toothbrushes produced around the world directly go to landfills and a very small part is recycled, which creates plastic pollution. These factors are anticipated to promote the application of bamboo toothbrush as alternatives among the buyers over the next few years. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE

CAPACITY

Bamboo Toothbrush	: 3,000 Pcs / Day
Plant & Machinery	: ₹ 54 Lakhs
Cost of Project	: ₹ 183 Lakhs
Rate of Return	: 25%
Break Even Point	: 54%

SUBSCRIPTION RATE FOR INDIA—Single Copy ₹ 20/- , One Year ₹ 720/- (with Registered Post Charges)

**OWNER, PUBLISHER, PRINTER & EDITOR : AJAY KUMAR GUPTA Printed at M/s. Balaji Offset Printers, 315/21, Daya Basti, Delhi 110 035
PUBLISHED AT : 106 E, Kamla Nagar, Delhi-110 007 (India).**

R.N.I. NO. 61509/95

DATE OF PUBLICATION : 19 EVERY MONTH—DATE OF POSTING : 21 OR 22 EVERY MONTH