

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. 7

July 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.

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)

₹ 1,775/- US\$ 150-



Medical and surgical device manufacturers worldwide produce a multitude of items that are intended for one use only. The primary reason is infection control; when an item is used only once it cannot transmit infectious agents to subsequent patients. Like medicines and other health technologies, they are essential for patient care – at the bedside, at the rural health clinic or at the large, specialized hospital. The demand of these goods is not only because of their “one time use” property but also due to the hygienic methods adopted to produce them. From manufacturing to Marking, production of disposable goods is stacked with numerous standards and regulations. This book includes the basic manufacturing method and labeling requirements, required for the bulk production of such life saving devices. General medical disposables that are being in demand in domestic as well as in international market includes: medical gloves, syringes, gowns, catheters, blood transfusion units and so on.

The information provided is not only confined to the different methods involved in the manufacturing of medical disposables but also describes the raw material used and other information related to product, which are necessary for the manufacturers knowledge. The details given will be very good for an individual/entrepreneur who is willing to invest in the field of medical disposables.

The main demand of medical disposables is, nowadays not limited to the super specialty hospitals but is also continuously increasing in rural hospitals and clinics. The work provides an idea to reader about the final product, hygiene, safety, packaging, uses, manufacturers and suppliers of the machinery, raw material involved in the processes etc.

The book covers various aspects concerned with the disposable medical devices and presents an overview of the processes involved with their machineries and specifications. The work provides the complete details of the suppliers and manufacturers with machinery photographs for better understanding of the reader.

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)

Everyday life products manufacturers worldwide produce a multitude of items that are intended for one use only. A disposable is a product designed for a single use after which it is recycled or is disposed as solid waste. The term often implies cheapness and short-term convenience rather than medium to long-term durability. The term is also sometimes used for products that may last several months distinguish from similar products that last indefinitely.

The fast moving life and modernization simultaneously lead to the necessity of disposables in one's life. One cannot wash utensils all the time, neither can afford to arrange fine and good cutlery of glass or steel in a party for the guest. At such times, people rush for the disposables available in the market with variety of colors and designs.

For a manufacturer, to produce disposables is a good deal keeping in view the present demand and growth in the market. This handbook is a complete well to do package for a layman to understand the basic steps to be followed for setting up a plant for a particular disposable product. The book contains raw material details, product manufacturing process, machinery details, images with raw material and machinery suppliers.

The Disposable Products Manufacturing Handbook is about producing Plastic Cups, Cutlery, Paper Cups, Banana Leaf Plates, Facial tissues, Wet Wipes, Toilet Paper Roll, Sanitary Napkins, Baby Diapers, Thermocol Products, PET Bottles that are used by masses in their day to day life. This well-established text provides a comprehensive coverage of the manufacturing processes adopted to manufacture various disposable products. It gives a holistic view of products produced, which has inputs from diverse fields. The book discusses the importance and objectives of processes and material used for the production of disposable products. Many examples have been provided to illustrate the concepts discussed.

₹ 1,575/- US\$ 150-



Lucrative Business of Ethanol as Bio-Fuel

Biofuels are transportation fuels such as ethanol and biomass-based diesel fuel that are made from biomass materials. These fuels are usually blended with petroleum fuels (gasoline and distillate/diesel fuel and heating oil), but they can also be used on their own. Using ethanol reduces the consumption of gasoline and diesel fuel made from crude oil, which can reduce the amount of crude oil imported from other countries.

Ethanol is used extensively as a solvent in the manufacture of varnishes and perfumes; as a preservative for biological specimens; in the preparation of essences and flavorings; in many medicines and drugs; as a disinfectant and in tinctures (e.g., tincture of iodine); as a fuel and gasoline additive. Ethanol has been produced from different sources in the past.

Properties of Ethanol

- It is 10th % pure ethyl alcohol.
- It is highly flammable, non-toxic sweet smelling compound
- Ethanol has a greater affinity for water
- Highly Soluble
- Ethanol has an auto-ignition temperature of 793°F
- Some ethanol blends can conduct electricity

The global fuel ethanol market was valued at USD 78.6 billion in 2018 and expected to grow at a CAGR of 5.8% in, 2019–2025. Crude oil and natural gases are commonly used sources for manufacturing fuels across the world.

As India has very large area under sugar cultivation, we can also follow the Brazilian route (i.e. using ethanol as motor fuel) of ethanol production. Biofuel refers to the specific type of fuel derived from the natural sources such as plants, organic materials, animal wastes. Biofuel industry is gaining substantial attraction as alternative fuel for the petroleum derived fuels in order to mitigate major concerns of global warming, raised due to the fossil fuels. The market is mostly driven by rising environmental concerns and the need to reduce GHG emissions.

Government has been promoting use of ethanol as a blend stock with main automotive fuel like petrol in line with the National Policy on Biofuels -2018 under the Ethanol Blended Petrol (EBP) Programme. This policy envisages an indicative target of blending 20% ethanol in petrol by 2030. Department of Food & Public Distribution (DFPD) has informed that the production of ethanol varies from distillery to distillery and depends upon various factors viz. cost of raw material, conversion cost, efficiency of distillery plants etc. Several supply and demand side interventions have been initiated by the Government including enhancing scope of raw material for ethanol production and fixing remunerative prices of ethanol from different feedstocks being utilized for ethanol production.

PROJECT COST ESTIMATE CAPACITY

Ethanol	: ₹ 30.0 KL Per Day
Plant & Machinery	: ₹ 345 Lakhs
Cost of Project	: 4325 Lakhs
Rate of Return	: 24.00%
Break Even Point	: 48.48%

Start Production of Manganese from Manganese Ore

Manganese is a chemical component that is commonly discovered in the Earth's crust. It is typically drawn out from Manganese Ore as well as is utilized for a range of functions. This silver-gray metal is understood for its unique residential properties such as its high melting point as well as capability to stand up to corrosion. Manganese is an essential element for the human body, as it helps with bone formation and works as a cofactor in various enzyme responses. It is likewise used in the manufacturing of steel as well as various other alloys, making it an essential part in numerous industries.

Benefits and Applications of Manganese

- **Aluminum Alloys:** Manganese is utilized as an alloying component in aluminum, where it adds rust resistance, hardness, and also stamina without boosting the weight of the products way too much.
- **Batteries:** Manganese dioxide is made use of in dry cell batteries, such as the alkaline battery and also the zinc-carbon battery.
- **Chemical Applications:** In the chemical sector, manganese dioxide is utilized for the manufacturing of potassium permanganate, which is made use of in water treatment, disinfectants, deodorizers, and as a remedy for sure poisonings.

Indian Market Outlook

India is the third-largest producer of steel globally, and also Manganese is a key component in steel production. For that reason, as the need for steel boosts in the nation, so does the need for Manganese. The Indian Manganese market is primarily driven by the residential steel industry, which represents around 90% of the nation's total Manganese intake. Additionally, India

has huge Manganese ore reserves and ranks among the top 5 producers internationally. In the 2020-21, India produced 2.39 million tons of Manganese, an increase of 5.94% from the previous.

Global Market Outlook

The manganese market dimension was valued at USD 22.1 billion in 2021. The manganese sector is projected to grow from USD 23.21 billion in 2022 to USD 32.70 billion by 2030, displaying a substance annual development price (CAGR) of 5.02% throughout the forecast duration (2022–2030). It is mainly used for enhancing the alloys of lightweight aluminum and copper. However, the tinting representative is the fastest-growing category over the forecast duration due to the growing need for tinting agents in the automotive sector.

Conclusion

The future of the Manganese company is quite intense, and it is among the fastest-growing markets internationally. The need for Manganese is constantly increasing, as well as it is vital in lots of industries, consisting of steel, batteries, and agriculture. Manganese is a necessary element of rechargeable lithium-ion batteries, which are utilized in electric cars and also other electronic tools. With the quick growth of the electric lorry market, the demand for Manganese will raise significantly, developing new organization possibilities for business owners.

PROJECT COST ESTIMATE

CAPACITY:

Manganese Ingot	: 10 MT Per Day
Plant & Machinery	: ₹ 666 Lakhs
Cost of Project	: ₹ 2192 Lakhs
Rate of Return	: 26 %
Break Even Point	: 49 %

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

Semi Processed Canned Vegetables (Chickpeas & Red Kidney Beans)

are vegetables that have been cooked and preserved in cans. They are partially processed, which means they are not fully cooked and require additional preparation before consumption. Chickpeas and Red Kidney Beans are two of the most commonly used semi processed canned vegetables in various cuisines worldwide. The process of canning involves heating the vegetables at high temperatures to kill off bacteria and microorganisms, ensuring a longer shelf life.

Benefits of Using Semi Processed Canned Vegetables

- **Nutritional Value:** Tinned veggies are picked at their optimal ripeness as well as are tinned promptly to secure their nutrients. They offer a convenient and healthy choice to fresh produce, particularly during off-seasons when fresh fruit and vegetables is scarce or as well pricey.
- **Longer Shelf Life:** Unlike fresh produce, tinned veggies have a longer service life. They can be stored for a number of months, which indicates you can stock up on them and constantly have them accessible.
- **Affordable:** Canned vegetables are normally

Setup Plant of Semi Processed Canned Vegetable (Chickpeas & Red Kidney Beans)

more economical than fresh produce. They are additionally more cost-effective over time since they have a longer shelf life and can be used in a variety of recipes.

Global Market Overview

Canned Vegetables Market Size was valued at USD 21.78 Billion in 2021. The Canned vegetable market industry is projected to grow from USD 22.65 Billion in 2022 to USD 30.62 Billion by 2030, exhibiting a compound annual growth rate (CAGR) of 3.84% during the forecast period (2022–2030). The vegetables are one of the major consumable products among the consumers in their daily diet, as it is a rich source of nutrients such as mineral, protein, fibre, and vitamin. Similarly, the processed vegetable market is also rising

and has an immense potential to grow exponentially over the coming years.

Final Thought

The rise in popularity of veganism and plant-based diets has also contributed to the increase in demand for canned vegetables. Canned vegetables have a longer shelf life than fresh produce, making them a cost-effective solution for those on a budget. They can also be easily stored in bulk, which can save money and reduce waste. So, it's clear to see why the Semi-Processed Canned Vegetable business is booming. The convenience, health benefits, versatility, and cost-effectiveness of canned vegetables make them a great option for those looking for an easy meal solution.

PROJECT COST ESTIMATE

CAPACITY:	
Canned Chickpeas 1 Kg each	: 5,000 Th.Packs Per Annum
Canned Red Kidney Beans 1 Kg each	: 5,000 Th.Packs Per Annum
Plant & Machinery	: ₹ 271 Lakhs
Cost of Project	: ₹ 1398 Lakhs
Rate of Return	: 25 %
Break Even Point	: 61 %

Setup Unit of Silica from Rice Husk Ash

Silica is a mineral compound composed of silicon and oxygen, and is one of the most abundant elements on the Earth's crust. It can be found in many different forms, from amorphous to crystalline, and has various industrial and scientific applications. Silica is widely used in the production of glass, ceramics, electronics, and construction materials.

Extraction Process of Silica from Rice Husk Ash

The first step is to collect the rice husk ash, which can be obtained from rice mills or other sources of rice processing. The ash is then washed and dried to remove any impurities. The next step is to extract the silica from the rice husk ash. This is done by treating the ash with a strong acid, such as hydrochloric acid. The acid dissolves the silica, leaving behind other minerals and impurities. The solution is then filtered to remove any solid residues,

and the silica is recovered by evaporating the solvent. The resulting product is a high-purity silica that can be used in a variety of applications.

Uses and Applications

1. **Construction Materials:** Silica from rice husk ash can be used as an additive in cement and concrete. It acts as a pozzolan, which improves the strength and durability of these materials.
2. **Water Treatment:** Silica is used as a coagulant in water treatment plants. It helps to remove impurities and improve the clarity of water.
3. **Oil and Gas Industry:** Silica is used in the drilling and

fracking operations of the oil and gas industry. It helps to maintain the stability of boreholes and prevents the collapse of wells.

Global Market Outlook

The global silica market size was valued at USD 49.12 billion in 2022 and is estimated to grow at a compound annual growth rate (CAGR) of 9.9% from 2023 to 2030. The rising demand for silica from rubber industry is the primary factor driving the market growth. The growing automotive industry, coupled with the recovery of the construction sector in Central and South America, is predicted to have a positive impact on the silica market. Significant new investments by governments in the housing and public sector are predicted to propel the production of paints and coatings and sealants. This is estimated to drive the regional market.

Conclusion

As the world continues to seek out sustainable solutions to problems like waste management, the use of rice husk ash to create silica is a perfect example of the power of innovation and ingenuity. By harnessing the power of natural resources and finding new uses for them, we can build a better, cleaner, and more prosperous future for everyone. So, as the silica industry continues to grow, let us hope that it will also pave the way for more sustainable solutions and a more prosperous future for all.

PROJECT COST ESTIMATE

CAPACITY:	
Silica	: 1,740 MT Per Annum
Activated Carbon (by product)	: 192 MT Per Annum
Sodium Carbonate (by product)	: 288 MT Per Annum
Plant & Machinery	: ₹ 746 Lakhs
Cost of Project	: ₹ 1327 Lakhs
Rate of Return	: 23 %
Break Even Point	: 46 %

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

Cement is a critical binding representative that is made use of in the construction industry. It is basically a fine powder made from limestone, clay, and also other products, which is then blended with water to develop a paste that hardens and binds products like sand, gravel, as well as smashed stone together to create concrete. Cement is a flexible and crucial element in the construction sector. It is utilized in a range of applications including the building and construction of roadways, bridges, buildings, and also framework tasks. Without concrete, the construction sector as we know it would certainly not exist. It is an important material that holds everything with each other, making it solid as well as long lasting.

Benefit of Starting Cement Plant

- **High Need for Cement:** The construction sector greatly relies upon cement, as well as its demand continues to increase as a result of population growth, urbanization, and also infrastructure growth. Starting a cement plant ensures a continuous flow of clients, making it a rewarding investment.
- **Minimal Competitors:** There are few cement plants worldwide, which suggests that the competitors out there is not expensive. This produces an excellent possibility for entrepreneurs to develop themselves as a trusted provider of cement in the marketplace.
- **Low Operating Expense:** Running a cement plant entails reduced operating costs, making it a wonderful investment for business owners that

A Business Plan for Cement Plant with Power Generation

PROJECT COST ESTIMATE

	CAPACITY
Cement Plant	: 40,000 Bags Per Day
Plant & Machinery	: ₹ 16537 Lakhs
Cost of Project	: ₹ 25248 Lakhs
Rate of Return	: 25.51%
Break Even Point	: 44.36%

intend to optimize their revenues. Most of the plant's operations are automated, requiring minimal manual labor.

Indian Market Outlook

The India cement market size reached 3,644.5 Million Loads in 2022. Looking forward, IMARC Team anticipates the market to get to 4,832.6 Million Bunches by 2028, displaying a development rate (CAGR) of 4.94% throughout 2023-2028. Cement refers to a binding product obtained by grinding a mixture of clay as well as sedimentary rock. In India, cement is thoroughly utilized as a prime component for building residences, roadways, bridges and also various other public structures. India is the second biggest cement producer in the world and accounted for over 7% of the global mounted ability. Of the total capability, 98% lies with the economic

sector and the rest with public field. The Government also intends to increase the ability of trains as well as the centers for dealing with as well as storage space to reduce the transport of cement as well as minimize transportation cost. These measures would lead to a boosted building task, thereby increasing cement demand.

Global Market Outlook

The Global cement market dimension got to US\$ 363.2 Billion in 2022. Looking forward, IMARC Team anticipates the marketplace to get to US\$ 518.5 Billion by 2028, exhibiting a development rate (CAGR) of 6.22% throughout 2023-2028. The enhancing global populace as well as fast urbanization are resulting in the growing requirement for the construction of domestic as well as commercial structures. This, together with a significant increase in remodeling, remodelling, as well as reconstruction of frameworks as well as the growth of mega framework jobs in numerous countries, are militarizing the need for cement around the world.

Conclusion

The cement plant sector is currently experiencing eruptive development, and also it reveals no indicators of slowing down anytime quickly. This financially rewarding company has countless benefits for business owners looking to buy this field, from job development to considerable returns on investment. Beginning a cement plant organization can be a wise and also successful financial investment.

Nonwoven material for bed mattress is a sort of material that is typically made use of as a leading layer or cellular lining in bed mattress. It is composed of artificial or all-natural fibers that are bonded with each other without being woven. Nonwoven materials are developed with a procedure called "spunbonding" where the fibers are extruded, cooled down and pressed with each other to develop a solid, durable and also lightweight material.

Industrial Uses of Nonwoven Material

1. **Agriculture:** Nonwoven fabric is frequently made use of in agriculture for plant protection as well as weed control. It can be utilized as a ground cover to avoid weed growth, or as a safety cover to keep bugs as well as insects away from plants.
2. **Furnishings:** Nonwoven textile is usually utilized as a furniture material for furnishings as a result of its breathability as well as moisture-wicking buildings. It can also be made use of as a lining material for pillows as well as pillows.
3. **Automotive:** Nonwoven textile is generally used in the vehicle industry as a lining material for safety seat as well as headliners. It is additionally made use of as an audio deadener and also

Setup Plant of Nonwoven Fabric for Mattress

PROJECT COST ESTIMATE

	CAPACITY
Nonwoven Fabric	: 400,000 Sq.mtrs. Per Day
Plant & Machinery	: ₹ 797 Lakhs
Cost of Project	: ₹ 2297 Lakhs
Rate of Return	: 28 %
Break Even Point	: 42 %

insulation product.

Indian Market Overview

The Nonwoven Fabric market in India is expected to grow at a CAGR of over 8% from 2020 to 2025. The Nonwoven Material market in India has actually been gradually expanding in recent times, owing to its numerous benefits as well as the increasing need throughout various markets. The surge in the Indian populace, paired with a growing middle class, has actually enhanced the demand for durable goods, hence contributing to the growth

of the Nonwoven Material market.

Global Market Overview

The Nonwoven textile market has seen a considerable growth in recent times, with the global market anticipated to get to USD 64.65 billion by 2025. The nonwoven fabric market has actually likewise seen a significant surge in the need for bed mattress. Making use of nonwoven textile in bed mattress has been growing as a result of its remarkable top quality, cost-effectiveness, and comfort. The Asia-Pacific market is expected to reveal the highest growth price because of the rising population, enhancing urbanization, as well as demand for personal treatment items. With an enhanced concentrate on sustainability, the need for nonwoven textile is anticipated to expand additionally in the near future.

Conclusion

The future of the Nonwoven textile market looks encouraging, and we can expect to see it remain to expand and thrive in the years to find. Nonwoven textiles are a reliable as well as affordable option for mattress suppliers. With their many benefits, it's not surprising that this service is expanding. Customers are increasingly familiar with the significance of selecting premium as well as lasting bed linen items, as well as nonwoven textiles for mattresses supply a wonderful service.

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 Bottling of Refined Oil

- **Refined Sunflower Oil**
- **Refined Corn Oil**
- **RBD Palm Olein Oil**
- **Extra Virgin Olive Oil**

and additional virgin olive oil. These oils are extremely fine-tuned, meaning that they have been dealt with to eliminate impurities and also are processed to increase their stability and service life.

Benefits of Refined Oil

- **Purity:** Refined oil undergoes a rigorous process that eliminates impurities, dirt, and free fatty acids. As a result, it is cleaner and safer for consumption or use in various applications.
- **Neutral Flavor:** Refined oils usually have a neutral flavor, making them ideal for cooking as they don't overpower the flavor of the food.
- **High Smoke Point:** Refined oils generally have a higher smoke point than unrefined oils. This makes them suitable for high-heat cooking methods like frying and sautéing.
- **Long Shelf Life:** Refined oils have a longer shelf life compared to unrefined oils because the refining process removes components that can cause the oil to deteriorate over time.

Global Market Overview

The worldwide edible oils market is estimated to be valued at US\$ 112.6 Billion in 2021 as well as is anticipated to show a CAGR of 5.1 % over the projection period (2021-2028). The expanding need for organic edible oil due to increasing health concerns among customers is driving the market growth of edible oil. Boosting need for edible oils with low calories, cholesterol, as well as fat content is pushing market development. This is credited to the growing prevalence of numerous way of life conditions such as diabetes, obesity, and also heart disease. Thus, the expanding demand for natural edible oil is projected to promote market growth in the future.

Final thought

The future of the bottling of fine-tuned oil business looks appealing, given the increasing need for packaged and refined oil products. With the arrival of innovation, the bottling of refined oil company can utilize development to streamline their processes and also optimize their manufacturing. With advanced machinery and also automation, companies can enhance efficiency as well as lower their operating costs.

PROJECT COST ESTIMATE

CAPACITY:

SUNFLOWER OIL- 1 Ltr. Plastic Bottle	:	3,000 Th.Packs Per Annum
SUNFLOWER OIL- 2 Ltrs. Plastic Bottle	:	750 Th.Packs Per Annum
SUNFLOWER OIL- 5 Ltrs. Plastic Can	:	300 Th.Packs Per Annum
CORN OIL- 1 Ltr. Plastic Bottle	:	3,000 Th.Packs Per Annum
CORN OIL- 2 Ltrs. Plastic Bottle	:	750 Th.Packs Per Annum
CORN OIL- 5 Ltrs. Plastic Can	:	300 Th.Packs Per Annum
RBD PALM OLEIN OIL- 1 Ltr. Plastic Bottle	:	3,000 Th.Packs Per Annum
RBD PALM OLEIN OIL- 2 Ltrs. Plastic Bottle	:	750 Th.Packs Per Annum
RBD PALM OLEIN OIL- 5 Ltrs. Plastic Can	:	300 Th.Packs Per Annum
EXTRA VIRGIN OLIVE OIL- 1 Ltr. Plastic Bottle	:	3,000 Th.Packs Per Annum
EXTRA VIRGIN OLIVE OIL- 2 Ltrs. Plastic Bottle	:	750 Th.Packs Per Annum
EXTRA VIRGIN OLIVE OIL- 5 Ltrs. Plastic Can	:	300 Th.Packs Per Annum
Plant & Machinery	:	₹ 402 Lakhs
Cost of Project	:	₹ 1975 Lakhs
Rate of Return	:	28 %
Break Even Point	:	58 %

Bottling of refined oil describes the procedure of packaging high-quality, processed oils right into containers for consumer use. The procedure commonly involves using modern-day bottling tools as well as strict quality control steps to guarantee that the final product is of the best. Improved oils that are typically bottled include sunflower oil, corn oil, palm olein oil,

Start Manufacturing Business of Animal Feed from Bagasse

Animal feed from bagasse refers to the practice of utilizing bagasse, the fibrous residue left after the juice is extracted from sugarcane, as a feed source for livestock. Bagasse is a by-product of the sugarcane industry, and it is abundant and readily available, making it a cost-effective and sustainable option for animal feed. The use of bagasse as animal feed is becoming increasingly popular, as it provides a viable alternative to traditional feed sources like hay and corn, which can be expensive and require significant amounts of land and resources to produce.

Benefits of Using Bagasse As Animal Feed

Boosts Animal Health: Supplying pets with a balanced and nutritious diet is crucial for their health and wellness. Making use of bagasse as pet feed can aid to improve the general wellness and productivity of livestock, poultry, and also various other animals.

Nutritious: Bagasse is an excellent source of fiber, which is an essential nutrient for many pets. Additionally, bagasse includes a series of other nutrients, including healthy protein, calcium, as well as potassium, making it an useful enhancement to a pet's diet regimen.

Sustainable: Making use of bagasse as pet feed is a lasting method that assists to minimize waste and improve the environmental impact of the sugar walking cane sector. This makes it an attractive choice for farmers as well as other stakeholders in the agriculture industry who are dedicated to sustainability.

Indian Market Outlook

The Indian animal feed market is predicted to get to USD 33.15 billion by 2025, growing at a CAGR of 7.6% from 2020 to 2025. Bagasse-based animal feed is expected to play a considerable role in this development. The bagasse market in India is booming, with an expanding variety of sugar mills recognizing the possible to transform their waste into useful animal feed.

Final Thought

Animal feed producers are progressively wanting to bagasse as a vital component in their formulas, as it is a rich resource of fiber, protein, and various other

nutrients. Furthermore, bagasse-based animal feed is sustainable, environmentally friendly, as well as affordable, making it an eye-catching option for farmers. While the use of bagasse as pet feed is still reasonably new, the market is expected to grow rapidly in the coming years.

PROJECT COST ESTIMATE CAPACITY

Animal Feed	:	100 MT Per Day
Plant & Machinery	:	₹ 125 Lakhs
Cost of Project	:	₹ 1320 Lakhs
Rate of Return	:	27 %
Break Even Point	:	53 %

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

Fishing Net to Pellet refers to the innovative process of recycling fishing nets into pellets, which can be used for a wide range of applications. The Fishing Net to Pellet industry is rapidly growing and gaining recognition as a crucial part of the solution to combat marine pollution. The process Fishing Net to Pellet involves transforming old or damaged fishing nets, which are otherwise discarded, into useful pellets that can be used as raw material for various products.

Applications of Recycled Fishing Internet Pellets

- **Production of New Fishing Gear:** The pellets can be thawed and also remolded to produce new fishing internet or other fishing equipment. This creates a circular economic situation, minimizing the need for brand-new plastic manufacturing and also limiting the amount of waste getting in the seas.
- **Plastic Products:** The pellets can be made use of to create a variety of other plastic products, from outside furniture and storage containers to vehicle components

Start Manufacturing Business of Pellet Production from Waste Fishing Net (Recycling of Fisheries Plastic Wastes)

and also household items.

- **Fabric Sector:** In many cases, the plastic pellets can be spun into yarn and also used in the fabric sector to make clothing, carpetings, and also various other fabric-based things.

Benefits of Recycling Fishing Nets into Pellets

There are a number of advantages to recycling Fishing internet into

pellets. Firstly, it aids to lower the amount of waste that ends up in our seas and also garbage dumps. Second of all, recycled fishing web pellets can be made use of as a sustainable alternative to standard plastic pellets. This is because fishing webs are made from a solid and also durable material called nylon, which can be reused as well as used to develop brand-new products.

Indian Market Outlook

India, being among the largest manufacturers of fishing nets, generates a substantial amount of waste in the form of disposed of or broken Fishing

webs. These nets frequently end up contaminating the marine community or landfills, posing a danger to wild animals and also the atmosphere. However, a current development in the recycling market has opened a new market for these thrown out nets—fishing net pellets. The Fishing web pellet market in India is still in its inceptive phase however has actually revealed incredible potential for development in recent years.

Final Thought

The business of fishing nets into pellets has actually gained energy in recent times. The market for these pellets has grown substantially as a result of enhanced awareness of environmental preservation and also sustainable methods. It is a win-win situation for both the environment and also the economic climate as this procedure not only helps in reducing waste yet also gives a new source of income for those involved in the collection and also reusing process. With the need for recycled pellets expected to expand in the coming years, it is essential that we remain to sustain and urge such efforts that add to a cleaner and even more sustainable future.

PROJECT COST ESTIMATE CAPACITY

HDPE/PVC/NYLON/HDPE Pellet	: 2,000 MT Per Annum
Plant & Machinery	: ₹ 114 Lakhs
Cost of Project	: ₹ 436 Lakhs
Rate of Return	: 27 %
Break Even Point	: 64 %

Start Production of Sterile Water for Injection

Sterile water refers to water that is completely free from any living organisms, such as bacteria, viruses, and fungi, and any other impurities. This type of water is commonly used in the medical and pharmaceutical industries to dilute medications, clean medical equipment, and prepare IV solutions. Sterile water is made by using various methods such as distillation, reverse osmosis, and filtration, ensuring that it is free from any microorganisms and particulates that may affect the safety and efficacy of medications and medical equipment.

Uses and Applications

- **Food and Beverage Industry:** Sterile water can be used in the processing and preparation of certain

foods and beverages to ensure that they are free from harmful microorganisms.

- **Cosmetic Industry:** In the production of cosmetics, sterile water is used to ensure that the products are free of harmful bacteria, which could cause skin problems.

- **Dental Procedures:** During dental procedures, sterile water is used to rinse the mouth and clean dental instruments to prevent infection.

Indian Market Outlook

The Indian pharmaceutical market has witnessed a significant surge in the demand for Sterile Water for Injection in recent years. One of the key factors driving this growth is the increasing prevalence of chronic diseases in the country, such as diabetes and cardiovascular diseases. As a result, there is a higher demand for injections that require sterile water as a diluent. The Indian government has already announced plans to vaccinate the entire population by the end of 2021, which is expected to further boost the demand for Sterile Water for Injection.

Global Market Outlook

The global sterile water for

injection market is expected to grow at a CAGR of 5.5% between 2020 and 2027, reaching a market value of over \$960 million by 2027. One of the major factors driving the growth of this market is the increase in demand for injectable drugs. As more and more drugs are being administered through injections, the demand for sterile water for injection is expected to increase. In addition, the growing demand for intravenous therapy and parenteral nutrition is also expected to contribute to the growth of the market.

Conclusion

The future outlook for the Sterile Water for Injection market is bright, with strong growth potential driven by the increasing demand for pharmaceuticals and medical devices around the world. Companies that can effectively navigate the challenges of the market will be well positioned to benefit from this growth and build successful businesses that meet the needs of healthcare providers and patients alike.

PROJECT COST ESTIMATE CAPACITY

Sterial Water for Injection	: 20,000 Sachets Per Day
500 ml Size Pack	
Plant & Machinery	: ₹ 572 Lakhs
Cost of Project	: ₹ 1234 Lakhs
Rate of Return	: 30 %
Break Even Point	: 66 %

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

The popularity of smart phones and tablets has resulted in a significant increase in the demand for lithium ion batteries in recent years. Because these gadgets contain hazardous elements that must be properly disposed of to avoid contamination of the environment, it is now more important than ever to recycle these batteries. Most commercial lithium ion batteries contain transition metal oxides or phosphates, aluminium, copper, graphite, organic electrolytes containing poisonous lithium salts, and other chemicals.

As a result, an increasing number of scientists are concentrating their efforts on the recycling and repurposing of spent lithium ion batteries. However, recycling expended lithium ion batteries is difficult due to their high energy density, greater safety, and low cost.

Lithium-ion batteries are becoming increasingly popular. Cell phones, computers, consumer gadgets, and certain industrial applications already use them. They're used in telecom towers, solar storage systems, and electric automobiles. Lithium-ion batteries should be recycled for a variety of reasons, according to battery experts and environmentalists. The recovered materials might be utilised to build new batteries, cutting production costs. These components now account for more than half of the cost of a battery. The most expensive components of the cathode, cobalt and nickel, have seen significant price changes in recent years.

The removal of any plastic, rubber, or metal pieces is the first stage in recycling a lithium ion battery. These parts are sold as raw materials after being separated from the remainder of the waste stream. The next stage is to separate all metals, which is usually done by electrolysis, which produces an acid solution that dissolves metals while leaving the bulk of other components behind.

Batteries can be dismantled into groups of similar materials and reused without any additional processing. Cobalt and nickel, for example, could be employed in new batteries or as semiconductor components. Steel is created from manganese and iron, and aluminium is delivered to aluminium smelters. Despite the fact that chromium is infrequently recovered for use in steel manufacturing, it is most

Recycling of Lithium Ion Battery

commonly used as a high-purity alloying agent. Lithium waste does not react with other chemicals, thus it can be disposed of properly in landfills or resold to manufacturers who will reuse it after separation.

India's lithium-ion battery sector is expected to grow quickly over the next five years. One of the primary steps taken by the Indian government to drive the growth of this sector is the National Electric Mobility Mission Plan 2020, which forecasts 6-7 million electric vehicles on Indian roads by 2020 and a target of 175 GW renewable energy installation by 2022. India's annual lithium-ion battery market is expected to increase at a 37.5 percent compound annual growth rate (CAGR) from now until 2030, when it would reach 132 GWh, according to projections. By 2030, the market for lithium-ion batteries will have grown from 2.9 gigawatt-hours in 2018 to around 800 gigawatt-hours.

India's goal to transition from fossil fuel-based vehicles to electric vehicles (EVs) would drive up demand for batteries in the coming years. The lithium-ion battery (LiB) is now the most suitable alternative among the various existing battery technologies. With today's recycling technology, valuable metals including cobalt, nickel, manganese, lithium, graphite, and aluminium can be recovered up to 90%. These make up around 50-60% of the total battery cost, with cobalt being the most expensive.

PROJECT COST ESTIMATE

CAPACITY:

Copper	: 1.4 MT Per Day
Aluminium	: 0.8 MT Per Day
Graphite	: 1.8 MT Per Day
Carbon Black	: 0.3 MT Per Day
Lithium Cobalt Oxide	: 2.5 MT Per Day
Plastic	: 0.2 MT Per Day
Plant & Machinery	: ₹ 199 Lakhs
Cost of Project	: ₹ 422 Lakhs
Rate of Return	: 27%
Break Even Point	: 55%

Rice Husk based Biodegradable Cutlery Making Plant

Early adopters of biodegradable cutlery, which has emerged as a preferred alternative to plastics, can be found all over the world. Bagasse, rice husk, coconut coir, and other plant biomass resources are being used to make environmentally friendly cutlery, tableware, and packaging products that are expected to gain prominence in the future decade.

Rice husk is a surprise tough material that can resist a lot of abuse and lasts a long time. Rice husk cutlery is one of the most durable biodegradable silverware solutions, withstanding temperatures of above 100°C without harm. This reusable tableware's smooth, shiny surface is made completely of natural wax produced from rice husks.

The rise of the biodegradable cutlery industry has been aided by the increasing prevalence of

e-commerce in various sectors of these emerging nations. In 2018, the global biodegradable cutlery market was valued USD 33.9 million, and it is expected to increase at a 5.9% CAGR from 2019 to 2025.

The increased public awareness of the negative effects of non-biodegradable rubbish is predicted to enhance market growth. The government

PROJECT COST ESTIMATE

CAPACITY

Biodegradable Cutlery (Per Set 6 Pcs. Flatware)	: 1,852 Sets Per Day
Plant & Machinery	: ₹ 28 Lakhs
Cost of Project	: ₹ 222 Lakhs
Rate of Return	: 27%
Break Even Point	: 52%

has made non-biodegradable plastic illegal, with rigorous regulations in place. Government initiatives to support the industry, as well as increased public awareness of the dangers of non-biodegradables, are likely to fuel growth.

Water Park

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

PROJECT COST ESTIMATE

CAPACITY:

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

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 Its 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) (5th Revised Edition) 1875/- 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 (Chaata 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, Polacrillex Resin) 2nd Rev. Edn. 2225/-200
- फूड प्रोसेसिंग इंडस्ट्रीज़ (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 (स्मॉल स्केल इण्डस्ट्रीज़) (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 इण्डस्ट्रीज़ प्रोजेक्ट्स (लघु, कुटीर व घरेलू उद्योग परियोजनाएँ उद्यमिता 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
- Specialty 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 (Rubber Vulcanization, Compounding, Rubber Gloves, Condoms, Rubber Band, Latex Mattress, Bushings, Gasket, Sheets, Tubing, Tyre, Hoses, Conveyor Belt, Latex and Foam Rubber, Silicone Rubber, Reclaimed Rubber, Waste Tyre Recycling with Manufacturing Process, Machinery Equipment Details and Factory Layout) (3rd Revised Edition) 2275/- 200
- 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, rocesses & Their Uses (2nd Rev. Edn.)..... 1475/- 150
- Herbal Cosmetics Handbook (Formulae, Manufacturing Processes with Machinery & Equipment Details (4th Rev. Edn.). 1775/- 150
- The Complete Technology Book on Herbal Beauty Products with Formulations and Processes 1695/- 150
- Modern Technology of Cosmetics 1100/- 100
- Handbook of Herbal Products (Medicines, Cosmetics, Toiletries, Perfumes) 2 Vols. 1500/- 220
- Herbs Cultivation & Medicinal Uses..... 975/- 100
- Herbs Cultivation & Their Utilization..... 800/- 100
- Medicinal Plants Cultivation & Their Uses..... 975/- 100
- Compendium of Medicinal Plants..... 875/- 100
- Compendium of Herbal Plants..... 975/- 100
- Cultivation And Processing of Selected Medicinal Plants..... 1175/- 125
- Aromatic Plants Cultivation, Processing and Uses 975/- 100
- Cultivation and Utilization of Aromatic Plants..... 1100/- 125
- The Complete Book on Jatropha (Bio-Diesel) with Ashwagandha, Stevia, Brahmi & Jatamansi Herbs (Cultivation, Processing & Uses) 1500/- 150
- Handbook on Medicinal Herbs With Uses..... 1075/- 125
- Aloe Vera Handbook Cultivation, Research Findings, Products, Formulations, Extraction & Processing 1275/- 125
- Handbook on Herbs Cultivation & Processing 875/- 100
- Handbook of Neem & Allied Products 975/- 100
- Handbook on Herbal Medicines..... 750/- 100
- Handbook on Cosmetics (Processes, Formulae with Testing Methods)..... 1675/- 150
- Handbook on Drugs from Natural Sources 1175/- 125

ESSENTIAL OILS, AROMATIC CHEMICALS, PERFUMES, FLAVOURS, FOOD COLOURS

- The Complete Technology Book of Essential Oils (Aromatic Chemicals (Reprint 2011))..... 1275/- 125
- Essential Oil Hand Book..... 975/- 100
- The Complete Technology Book on Herbal Perfumes & Cosmetics (2nd Rev Edn.)..... 1275/- 125
- Modern Technology of Perfumes, Flavours and Essential Oils 2nd Edn. 975/- 100
- Food Colours, Flavours And Additives Technology Handbook (2nd Revised Edition) 1895/- 150
- Food Flavours Technology Handbook..... 1075/- 125
- The Complete Technology Book on Flavours, Fragrances and Perfumes 1675/- 150
- Perfumes and Flavours Technology Handbook with Manufacturing Formulations, Process, Machinery Equipment Details & Factory Layout 1995/- 200
- Handbook on Perfume, Deodorant, Air Freshener, Body Spray, Fragrances, Flavours and Essential Oil Industry with Manufacturing Formulations, Process, Machinery Equipment Details & Factory Layout..... 1775/- 150

NAME OF BOOKS

₹ / US\$

SOAPS, DETERGENTS, ACID SLURRY, TOILETRIES & DISINFECTANTS

- Modern Technology of Soaps, Detergents & Toiletries (With Formulae & Project Profiles) (4th Rev. Edn.)..... 1275/- 125
- Herbal Soaps & Detergents Handbook..... 1275/- 125
- Handbook on Soaps, Detergents & Acid Slurry (3rd Rev. Edn.) ... 1575/- 150
- The Complete Technology Book on Detergents (2nd Rev. Edn.).. 1100/- 125
- The Complete Technology Book on Soaps (2nd Revised Edn.) 1425/- 150
- Surfactants, Disinfectants, Cleaners, Toiletries, Personal Care Products Manufacturing and Formulations (Phenyl, Naphthalene Ball, Mosquito Coil, Floor Cleaner, Glass Cleaner, Toilet Cleaner, Utensil Cleaning Bar, Liquid Detergent, Detergent Powder, Detergent Soap, Liquid Soap, Handwash, Hand Sanitizer, Herbal Shampoo, Henna Based Hair Dye, Herbal Cream, Shaving Cream, Air Freshener, Shoe Polish, Tooth Paste) 3rd Revised Edition 1895/- 200
- Soaps, Detergents and Disinfectants Technology Handbook (Washing Soap, Laundry Soap, Handmade Soap, Detergent Soap, Liquid Soap, Hand Wash, Liquid Detergent, Detergent Powder, Bar, Phenyl, Floor Cleaner, Toilet Cleaner, Mosquito Coils, Naphthalene Balls, Air Freshener, Hand Sanitizer and Aerosols Insecticide) (3rd Revised Edition)..... 1595/- 150

GLASS, CERAMICS, COAL, LIGNIN & MINERALS

- The Complete Book on Glass & Ceramics Technology (2nd Revised Edition)..... 1495/- 150
- The Complete Book on Glass Technology 1625/- 150
- The Complete Technology Book on Minerals & Mineral Processing 2200/- 200
- Handbook on Rare Earth Metals and Alloys (Properties, Extraction, Preparation and Applications)..... 1875/- 150
- Hand book on Coal, Coke, Cotton, Lignin, Hemicellulose, Wood, Wood-Polymer Composites, Lignocellulosic-Plastic Composites from Recycled Materials, Wood Fiber, Rosin and Rosin Derivatives 1875/- 150

ALUMINIUM, STEEL, FERROUS, NON-FERROUS METALS WITH CASTING AND FORGING, FERROALLOYS & AUTOMOBILE COMPONENTS

- The Complete Technology Book on Hot Rolling of Steel 1575/- 150
- Steel Rolling Technology Handbook (2nd Revised Edition) 1775/- 150
- The Complete Book on Ferrous, Non-Ferrous Metals with Casting and Forging Technology..... 1575/- 150
- The Complete Technology Book on Aluminium and Aluminium Products 1450/- 150
- The Complete Technology Book on Steel and Steel Products (Fasteners, Seamless Tubes, Casting, Rolling of flat Products & others) 1625/- 150
- The Complete Book on Ferroalloys (Ferro Manganese, Ferro Molybdenum, Ferro Niobium, Ferro Boron, Ferro Titanium, Ferro Tungsten, Ferro Silicon, Ferro Nickel, Ferro Chrome)..... 2775/- 250
- Steel and Iron Handbook 1775/- 150
- Handbook on Steel Bars, Wires, Tubes, Pipes, S.S. Sheets Production with Ferrous Metal Casting & Processing 1775/- 150
- The Complete Book on Production of Automobile Components & Allied Products (Engine Parts, Piston, Pin, Piston Ring, Valve, Control Cable, Engine Mounting, Auto Lock, Disc Brake, Drum, Gear, Leaf Spring, Shock Absorber, Silencer, Chain, Cylinder Block, Chassis, Battery, Tyre & Flaps) 2275/- 200
- Handbook on Automobile & Allied Products (2nd Rev. Edn.) # 1495/- 150

FORMULARY (FORMULATION) BOOKS

- Selected Formulary Book on Cosmetics, Drugs, Cleaners, Soaps and Detergents (2nd Revised Edition)..... 1475/- 150
- Selected Formulary Book on Inks, Paints, Lacquers, Varnishes and Enamels 1475/- 150
- Selected Formulary Handbook..... 1475/- 150
- Selected Formulary Book on Petroleum, Lubricants, Fats, Polishes, Glass, Ceramics, Nitrogenous Fertilizers, Emulsions, Leather and Insecticides 2275/- 200

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 immediately available on demand where as commissioned Feasibility Studies are time consuming and costly.

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

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

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

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

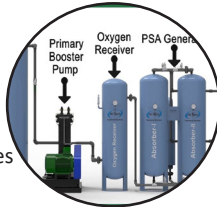
AN ISO 9001:2015 CERTIFIED COMPANY

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

"Profitable Ventures: High-Value Business Ideas with 1.25 Crore (Plant and Machinery) : Handpicked Project Profiles for Entrepreneurs and Startups"



- » (PSA) Oxygen Plant
- » Active Pharma Ingredients Metformin and Ciprofloxacin
- » Aluminium Recycling Plant
- » Aluminum Ingots from Aluminum Scrap
- » Ayurvedic /Herbal Hand Sanitizer
- » Baby Wet Wipes & Facial Wet Tissue
- » Baker's Yeast
- » Bamboo Toothbrush
- » Battery Operated Ride on Car for Kids
- » Bicycle Tubes Bicycle Tubes and Motorcycle Tubes
- » Bricks from Fly Ash
- » Business of Pet Recycling & Production of Flakes
- » Carbon Fiber Composites
- » Cashew Nut Processing with CNSL
- » Castor Oil from Castor Seeds
- » Cement Plant
- » Cold Storage
- » Composite Materials (Carbon Fibre Composites & Glass Fibre Composites)
- » Crumb Rubber Powder from Waste Tyres
- » Curcumin
- » Dal Mill (Pulses)
- » Dal Mill (Roasted Gram Split, Dal & Chana)
- » Dehydrated Vegetables, Mushroom and Soup
- » Disposable Plastic Syringes
- » Disposable Plastic Syringes with Needles
- » 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)
- » DI Tartaric Acid and Its Salts
- » E-waste Recycling Plant
- » Ephedrine Hydro Chloride
- » Furfural from Bagasse & Corncobs
- » Ginger Oil
- » Glass Sheet (Automatic Plant)
- » Hand Sanitizer Manufacturing
- » HDPE Jumbo Bags (Flexible Intermediate Bulk Containers)
- » Holiday Resort
- » Hot Dip Galvanizing Plant
- » I.V. Fluid (International Standard)
- » Instant Noodles
- » Insulator (HT & LT)
- » Jeans & Jackets (Denim), Readymade Garments
- » Jute Bags, Jute Sacks, Gunny Bags Manufacturing Industry
- » Kraft Paper
- » Ladies Under Garments
- » Liquid Hand Wash
- » Low Carbon Ferro Manganese
- » LPG Bottling Plant



- » LPG Cylinder Refilling Plant
- » Manganese Oxide (Ferrite Grade)
- » Disposable Personal Protective Equipment (PPE) Kit
- » Upvc Profiles for Doors and Windows
- » MS Fasteners (Screws, Nut and Bolts)
- » Smartphone Tempered Glass Screen Protector
- » MIG Welding Wire
- » Waste Lubricating Oil Recycling Plant
- » Paint Industry
- » Peanut Butter
- » PET Preform
- » Pharmaceutical Manufacturing Unit (Beta-lactam and Non-beta Lactam)
- » Plastic Pyrolysis Waste Plastic To Oil Conversion
- » Polyanionic Cellulose (PAC)
- » Polymer Pencil
- » Potato Powder, Flakes and Pellets
- » Moringa Leaf Powder
- » Zinc Sulphate
- » Xanthan Gum (Food and Oil Drilling Grade)
- » PVC Conduit Pipes
- » Quartz Slabs
- » Red Oxide Primer
- » Rice Flakes and Puffed Rice
- » Roller Flour Mill (Atta, Maida & Suzi)
- » Roller Flour Mill (Maida & Suzi)
- » Sanitary Napkins
- » Packaged Drinking Water from Deep Sea Water
- » Creamy Peanut Butter
- » Trading Business (Potato Powder, Onion Powder, Capsicum Powder, Ginger Powder and Curcumin Powder)
- » NPK Complex Organic Fertilizer Plant
- » Chocolate
- » Yeast from Molasses
- » Single Wall Steel Water Bottle
- » Soda Ash
- » Solar Panel
- » Sugarcane Juice Preservation and Bottling Plant
- » Super Speciality Hospital
- » Traction Motors (Permanent Magnet Synchronous Motors, Brushless DC Motors and Flux Motors)
- » Tungsten Carbide Rod
- » Virgin Coconut Oil
- » Vitamin 'C'
- » Waste & Used Oil Recycling Plant
- » Welding Electrodes
- » Wood Plastic Composite (WPC)
- » Xanthan Gum
- » Xanthan Gum (Food and Oil Drilling Grade)
- » Zinc Ingots



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

Start Manufacturing Business of **Graphite** from Graphite Deposits

Graphite is a mineral that is mainly composed of carbon and has excellent thermal and electrical conductivity. It is extracted from graphite deposits, which are found in various parts of the world. Graphite deposits come in different types, but the two most common are vein graphite and flake graphite. Vein graphite is typically found in small quantities and is mostly used for high-value applications, such as nuclear reactors and aerospace materials. Flake graphite, on the other hand, is more abundant and is used in many applications, such as lubricants, batteries, refractories, and graphene.

Uses and Applications

- **Electrodes:** Due to its excellent conductivity, graphite is used to make electrodes in batteries, gas cells, and also numerous industrial processes like steelmaking in electric arc heaters.
- **Pencils:** This is possibly one of the most popular use of graphite. The "lead" of pencils is in fact made from a blend of graphite and clay.
- **Carbon Brushes in Electric Motors:** Carbon brushes are utilized in electric motors to perform power in between the stationary cords (stator) and the revolving cords (blades). Graphite is utilized in these carbon brushes because of its great electrical conductivity.
- **Atomic Power Plants:** Graphite functions as a neutron mediator in nuclear reactors. It decreases fast-moving neutrons, enabling a nuclear domino effect to take place in nuclear fission reactors.

Benefit of Starting a Graphite Industry

1. **High Demand:** As stated previously, there is a high need for Graphite from Graphite Deposits. This indicates that there is a ready market awaiting business owners who enter the industry.
2. **Expanding Market:** The Graphite market is predicted to expand at a substantial price in the coming years. This offers an excellent possibility for business owners to invest in the industry, with the potential for lasting success.
3. **Numerous Applications:** Graphite has several applications across a

variety of sectors. This variety in applications implies that entrepreneurs can select the very best niche market for their products.

4. **Renewable Energy:** The manufacturing of renewable resource resources like wind turbines and also photovoltaic panels depends heavily on Graphite from Graphite Deposits. Business owners in this sector will have the satisfaction of being associated with a business that is adding to a lasting future.

Global Market Expectation

The worldwide graphite market size was USD 13.60 billion in 2020 and is projected to expand from USD 14.83 billion in 2021 to USD 25.70 billion in 2028 at a CAGR of 8.2% throughout the 2021-2028 period. The product is a kind of elemental carbon that is among minority components discovered in its natural state. It combines metallic and also non-metallic top qualities, making it ideal for a wide array of commercial applications. The market in Asia Pacific stood at USD 8.24 billion in 2020. The area controlled in terms of the graphite market share of 60.6% in 2020 as well as is expected to proceed its prominence during the projection period. High need for batteries, conductors, graphite electrodes, carbon fiber strengthened plastic, and others will drive the market development. China and India ranking initially and second respectively in producing crude steel.

Conclusion

The Graphite from Graphite Deposits sector is a promising and also lucrative possibility for business owners to consider. With increasing need for graphite in various industries, the future is definitely looking intense. Nevertheless, it is necessary to keep in mind the challenges that come with starting a new sector, such as market competitors as well as regulatory obstacles.

PROJECT COST ESTIMATE

CAPACITY	
Graphite Powder	: 10 MT Per Day
Plant & Machinery	: ₹ 513 Lakhs
Cost of Project	: ₹ 1998 Lakhs
Rate of Return	: 26 %
Break Even Point	: 51 %

Potato Powder

The protection of food stuffs from spoilage by moulds and bacteria is a major concern of the food technologist. Potatoes can be consumed in varied forms. In fact, it is a vegetable that can easily be combined with any other food item including other vegetables, cereals, pulses, meat and poultry. Potato is one of the important tuber vegetable which is consumed throughout the year. The potato tubers vary in size, shape, colour, depth of eyes etc. which are important characteristics. In India potato is largely cultivated.

PROJECT COST ESTIMATE

CAPACITY	
Plant Capacity	: 500 Kgs./ Day
Plant & Machinery	: ₹ 7 Lakhs
Working Capital/Month	: ₹ 3.5 Lakhs
Total Capital Investment	: ₹ 19.60 Lakhs
Rate of Return	: 53%
Break Even Point	: 47%

So it is a good idea to make potato powder from raw potato. That's why we have to say that this is a good opportunity for a new entrepreneur.

Biodegradable Plastic Bags from Corn & Cassava Starch

Corn starch has 25% amylose and 75% amylopectin. The amylose molecules loose lose water increase biodegradation characteristic and amylopectin molecule is responsible for plasticizer properties. Their granule size ranges between 5 to 20 microns. I.e. good absorption capacity, rapid gel formation & good strength. Starch is used to produce such diverse products as food, paper, textiles, adhesives, beverages, confectionery, packaging, pharmaceuticals, and building materials. Cassava starch has many remarkable characteristics, including high paste viscosity, high paste clarity, and high freeze-thaw stability, which are advantageous to many industries.

Cassava starch could be used for making various types of packaging products. As a major source of starch in tropical and subtropical regions, cassava is a promising raw material for the development of biodegradable plastics in these areas.

The global biodegradable plastic packaging market was valued at USD 4.65 billion in 2019, and is expected to reach a market value of USD 12.06 billion by 2025, registering a CAGR of 17.04% during the forecast period of 2020-2025. Growing environmental concerns regarding plastic usage that consists of toxic pollutants which are harming plants, animals, and people are driving the use of biodegradable plastic. Stringent regulations by various government and federal agencies with an objective to reduce plastic waste and promote biodegradable plastics usage in packaging is boosting the demand of this market. As a whole any entrepreneur can venture in this project without risk and earn profit.

PROJECT COST ESTIMATE

CAPACITY:	
Biodegradable Plastic Bags from Corn Starch (Per Bag 25 gms Size)	: 6 MT / Day
Biodegradable Plastic Bags from Cassava Starch (Per Bag 25 gms Size)	: 6 MT / Day
Plant & Machinery	: ₹ 1053 Lakhs
Cost of Project	: ₹ 1768 Lakhs
Rate of Return	: 27%
Break Even Point	: 51%

Lead is a heavy metal that is generally found in the planet's crust. Its abundance, reduced melting point, and also malleability make it a versatile product that is widely utilized in manufacturing. Galena's lead down payments are amongst the wealthiest worldwide, with ore consisting of up to 87% lead by weight. Lead from Galena is removed via a procedure known as underground mining, where miners dig deep into passages and also shafts to access the ore deposits. The ore is after that crushed and also processed to extract the lead, which is purified as well as molded right into various forms for industrial usage.

Uses and Applications

- **Radiation Shielding:** As a result of its high thickness, lead is extremely reliable at soaking up radiation, that makes it useful for radiation protecting in medical settings (e.g., X-ray spaces, atomic power plants), and in individual protective equipment made use of by radiologists.
- **Ammunition:** Lead is made use of in the manufacturing of bullets as well as other kinds of ammo due

to its thickness and pliability.

- **Solder:** Lead was as soon as commonly made use of in solders for electronic devices as well as pipes as a result of its reduced melting point. Nonetheless, lots of nations have actually phased out the use of lead solder because of health and wellness problems.
- **Glassmaking:** Lead is made use of in the production of lead crystal glassware. The addition of lead oxide to the glass combination enhances the refractive index of the product, providing lead crystal its particular shimmer.

Future Leads of Lead Market from Galena

There is still a need for lead in the automobile industry, where it is made use of in batteries for electrical and also hybrid vehicles. As the demand for green lorries remains to raise, the demand for lead may also enhance. Additionally, lead is still used in the manufacturing of ammo, which has seen a rise popular recently. In general, the future potential customers of the

A Business Plan for Lead from Galena

lead market in Galena will mostly depend on the capacity of business to introduce as well as adapt to altering market needs, while also prioritizing sustainability and also ecological duty.

PROJECT COST ESTIMATE CAPACITY

Lead Ingot	: 30 MT Per Day
Plant & Machinery	: ₹ 487 Lakhs
Cost of Project	: ₹ 2231 Lakhs
Rate of Return	: 28 %
Break Even Point	: 52 %

Global Market Outlook

Lead Market size deserved over USD 25 billion in 2018 while the yearly usage is anticipated to surpass

13 million tonnes by 2025. Growth in building and construction sectors is driving the overall market development given that long. High demand from the remodelling in building market including rain gutter as well as seamless gutter joints as well as steels for roofing materials therefore thrusting the market demand. Dominant enlargement of commercial and also commercial services are increasing the economic development through the arising economic climates anticipated to drive the market growth during growing years.

Conclusion

The lead sector in Galena has an encouraging future. With innovations in modern technology, lead continues to be an important product for several commercial applications. It is crucial that the market balances the demand for lead with accountable as well as sustainable mining practices to preserve the atmosphere for future generations.

Cement Paper Bags with Printing are a preferred product packaging service in today's market. These bags are made from top notch paper materials as well as can be personalized with distinct styles, graphics, and logos to improve brand name acknowledgment. Cement Paper Bags with Printing are ideal for a wide range of applications, including product packaging cement, Cement, gypsum, and other construction products. These bags are strong, sturdy, and also deal excellent security against moisture, dirt, and other environmental elements that could harm the product within.

Benefits of Using Cement Paper Bags

- **Moisture Resistance:** Several Cement paper bags are treated or lined with products that withstand dampness, which is necessary for maintaining the top quality of Cement products.
- **Lightweight:** While sturdy, paper bags are additionally reasonably light-weight, which can minimize delivery and also taking care of costs.
- **Environmental Friendliness:** Paper bags are eco-friendly, recyclable, and made from a renewable resource, making them a much more environmentally friendly choice contrasted to non-biodegradable packaging products.

Advantages of Starting This Business

1. **High Demand:** The construction market is expanding at a rapid rate and also with that comes a demand for quality cement paper bags. This means that there is a high need for these bags, guaranteeing that your

Manufacturing Business of Cement Paper Bags with Printing Unit

service will always have clients.

2. **Sustainability:** Cement paper bags are a green option as they are made from eco-friendly products, naturally degradable, as well as recyclable. This will appeal to consumers that are eco mindful and also give your organization an one-upmanship.

3. **Cost-effective:** The expense of making cement paper bags is relatively reduced compared to other product packaging products such as plastic, making sure that your company can use competitive prices.

Indian Market Expectation

In recent years, India has become one of the

biggest markets for cement paper bags with printing. This is due to the growth of the construction industry, which has resulted in an increase in demand for packaging materials that can safely transport cement. In addition to this, the Indian government's focus on infrastructure development has also played a significant role in boosting the market for cement paper bags with printing.

Global Market Outlook

Cement Packaging Market size was valued at US\$ 343.9 Bn. in 2022 and the total revenue is expected to grow at 3.9% through 2023 to 2029, reaching nearly US\$ 449.6 Bn. The cement industry has witnessed significant growth in recent years, which has led to an increase in the demand for packaging materials like cement paper bags. The global market for cement paper bags with printing is expected to experience steady growth during the forecast period. The rise in urbanization and construction activities worldwide has fueled the demand for cement paper bags with printing, which are primarily used for packing cement and other building materials.

Summary

The flourishing need for Cement paper bags in different sectors makes it a rewarding service possibility. So if you're looking for a dependable packaging service that will certainly likewise assist you enhance your profits, consider switching to cement paper bags today. And also if you want beginning an organization in this industry, now is the perfect time to do so.

PROJECT COST ESTIMATE

CAPACITY:

Cement Paper Bag 50 Kgs Size	: 1,250 Th.Nos. Per Day
Cement Paper Bag 25 Kgs Size	: 1,250 Th.Nos. Per Day
Plant & Machinery	: ₹ 3616 Lakhs
Cost of Project	: ₹ 22801 Lakhs
Rate of Return	: 35 %
Break Even Point	: 57 %

Cashew nut handling is an essential farming process that entails removing the outer covering of the cashew nut and also dividing the kernel from the fruit. The procedure is carried out utilizing different strategies, including roasting, piling, shelling, grading, and also packing. Cashew nut handling with value added items, on the other hand, describes the extra step of boosting the worth of the processed cashew nut with various strategies. The objective of value enhancement is to produce an item that is more eye-catching, savory, and also nutrient-rich. Various other popular worth added products consist of roasted cashews, salted cashews, chocolate covered cashews, and honey roasted cashews.

Start Cashew Nut Processing with Value Added Products Plant

Benefit of Starting This Business?

Export Opportunities: Because cashew nuts are extensively consumed throughout the world, there are immense chances for export, especially to nations where cashew nuts cannot be expanded. Adding worth to the raw item can increase the capacity for export profitability.

Profitability: Cashew nut processing can be a rewarding endeavor because of the high list price of

cashew nuts and value-added cashew items. Even more, the spin-offs from the processing, like the cashew nut covering, can likewise be used to make various other items, such as resins, lubricating substances, as well as pigments, which includes an additional profits stream.

Market Demand: Cashew nuts are consumed around the world as well as their need remains to expand due to their wellness advantages as well as broad use in different culinary applications.

Indian Market Expectation

Over the last few years, India has turned into one of the significant producers and also merchants of cashew nuts worldwide. With a beneficial environment as well as government support, the country is continuously boosting its production of cashew nuts and also expanding its value-added item market. The market for cashew nut handling with value-added items has remarkable potential in India along with around the world. The residential market for cashew nuts in India is massive, and also the need for value-added products such as roasted and also salty cashews, cashew butter, cashew milk, as well as other items has actually been boosting progressively.

Global Market Outlook

The global cashew market size reached USD 7 billion in 2022. It is estimated to reach an expected value of USD 10.5 billion by 2031, exhibiting a CAGR of 4.6% during the forecast period (2022-2031). Cashews are typically picked towards the end of the summer and grow close to coastal locations. The

food and beverage sector frequently uses cashews in sweets, ice cream, and restaurants as a snack and ingredient. As consumers have been shifting to healthier diets and increasing the usage of cashew nuts in ready-to-eat foods, the cashew nut market is growing tremendously.

Conclusion

With the right organization methods, effective monitoring methods, and also quality product offerings, one can effectively penetrate this profitable market as well as reap significant earnings. The health benefits of cashews and cashew-based items make them prominent with health-conscious consumers, making them a sound financial investment for lasting success. If you are seeking a financial investment chance in the food sector, cashew nut handling with value-added items should go to the top of your listing.

PROJECT COST ESTIMATE

CAPACITY:

White Cashew Nut	: 1,250 Kg. Per Day
Roasted Cashew Nut	: 300 Kg. Per Day
Fried Cashew Nut	: 300 Kg. Per Day
Flavored Cashew Nut	: 300 Kg. Per Day
Coated Cashew Nut	: 350 Kg. Per Day
Plant & Machinery	: ₹ 276 Lakhs
Cost of Project	: ₹ 878 Lakhs
Rate of Return	: 28 %
Break Even Point	: 67 %

Disposable Syringes are made of plastic material and are used in the field of medical and veterinary science. Due to their availability in sterilized condition, ready to use, and cost effectiveness, disposable syringes are fast replacing the age-old glass syringes. The constantly increasing use of this type Syringe indicates its importance which is based mainly on the advantages it offers regarding cost and hygienic applications. The manufacture of plastic syringes has been developed to such a degree that the products now satisfy the requirements and standards set by Hospital and physicians. At the same time they offer the best possible technique of application to the physician and the highest possible degree of safety to the patient.

Disposable Syringes are being used by doctors to inject medicines through intravenous or intramuscular ways for the treatment of diseases & also by research & development personnel. Disposable syringes are made of plastic material and are used in the field of medical and veterinary science. Due to their availability in sterilized condition, ready to use, and cost effectiveness, disposable syringes are fast replacing the

Setup a Manufacturing Plant of Disposable Plastic Syringes with Needles

PROJECT COST ESTIMATE

CAPACITY:

Disposable Plastic Syringes with Needles 1 ml Size each Packed in Polypack	: 50,000.0 Nos. Per Day
Disposable Plastic Syringes with Needles 3 ml Size each Packed in Polypack	: 50,000.0 Nos. Per Day
Disposable Plastic Syringes with Needles 5 ml Size each Packed in Polypack	: 50,000.0 Nos. Per Day
Disposable Plastic Syringes with Needles 10 ml Size each Packed in Polypack	: 50,000.0 Nos. Per Day
Plant & Machinery	: ₹ 524 Lakhs
Cost of Project	: ₹ 3405 Lakhs
Rate of Return	: 30.78%
Break Even Point	: 35.60%

age-old glass syringes.

Medical-grade disposable hypodermic syringes are often used in research laboratories for convenience and low cost. Another application is to use the needle tip to add liquids to very confined spaces, such as washing out some scientific apparatus. They are often used for measuring and transferring solvents and reagents where a high precision is not required. Alternatively, microliter syringes can be used to measure and dose chemicals very precisely by using a small diameter capillary as the syringe barrel.

Disposable Syringes Market is valued at USD 7.29 Billion in 2018 and expected to reach USD 11.08 Billion by 2025 with the CAGR of 6.19% Increasing prevalence of many chronic diseases that necessitate the use of disposable syringes in their care is expected

to drive the Global Disposable Syringes Market. Furthermore, numerous government agencies are funding companies that produce disposable syringes for the care of chronic disease such as Diabetes, which predominate the global disease burden.

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