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About Us

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

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No. 05

(Preservation Techniques, Luncheon Meats, Meat Loaves, Meat Spreads, Canned Meat Products, Maintenance of Eggs, Soups, Gravies, Sauces, Sausage with Machinery, Equipment Details & Factory Layout)





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Some of the major aspects of the book are principles of various Some of the major aspects of the book are principles of various preservation techniques, standards and guality control measures for meat, meat food products order, eating quality and sensory evaluation of meat, preservation of poulity meat, utilisation of poulity industry by products, mixed poulity by products meal, structure, composition and nutritive value of eggs, luncheon meats, meat loaves, and meat spreads, barbecue style pork loaf using non fat dry milk, canned corned beef products, salisbury steak with textured vegetable protein, general instruction to be observed for processing canned items under sterm or under the combination of stream and water pressure, spaghetti and meat balls in tomato sauce with cheese, etc

Different preservation techniques are being developed to satisfy current demands of economic preservation and consumer satisfaction in nutritional and sensory aspects, convenience, absence of preservatives, low demand of energy and environmental safety. The present book contains various processes of meat and poultry preservation. All the entrepreneurs, technocrats, persons evolved in meat and poultry processing will be benefited from this book.

Millet Production, **Processing and Value-**Added Products Handbook

(Millet Production, Processing and Value-Added Products Handbook (Millet Cookies, Flakes, Flour, Noodles, Pasta, Beverages, Extruded Snacks, Extruded Flakes, Instant Dosa Mix, Instant Pongal Mix, Instant Sorghum Idli Mix, Instant Sorghum Upma Mix, Bread, Cakes, Instant Laddu Mix, Pizza Base, Rawa/ Suji, Vermicelli, Puffs and Sorghum Muesli with Manufacturing, Machinery, Equipment Details & Factory Layout)

Millet is a type of cereal that is a part of the grass family Poaceae. This small round whole grain is grown in India and Nigeria, especially in Asia and Africa. There are multiple types of millets However, most common varieties include Finger Millet, Foxtail Millet, Pearl Millet, Proso Millet, Little Millet and Sorghum Millet. Millet is loaded with nutritional value and that is why many dieticians and doctors recommend it as one of the breakfas cereal that must include in diet. Additionally millet muesli is also recommended by diet consultant experts because it is a more nutrient dense type of millets

Key features of the handbook include: Cultivation Techniques: The book

rovides detailed information on millet cultivation techniques, including land preparation, planting, irrigation, pest and disease management, and harvesting. It offers guidance on optimizing millet yields while minimizing environmental impact.

Millet Varieties: Readers will find descriptions of different millet varieties, thei adaptability to various climates and regions, and their nutritional profiles. This knowledge can help farmers select the most suitable millet varieties for their specific conditions

Processing Techniques: The handbook delves into post-harvest processes from threshing and cleaning to milling and storage. It highlights best practices for preserving millet quality and reducing post-harvest losses.

Value Addition Product Innovation: This handbook is a treasure trove of information on creating a range of millet-based products like flour, flakes, pasta, beverages, and snacks. Manufacturing process and recipes are provided, empowering entrepreneurs to innovate in product development.

The Millet Market size is estimated at USD 11.53 billion, and is expected to reach USD 14.43 billion, growing at a CAGR of 4.60%. Millets are small grass seeds that are widely grown. They are treated as Cereal Crops for Human Food. Generally, a huge percentage of the Millets Produced is consumed and the remaining percentage is used for producing Beer, and Instant ready eat Foods. Breakfast Foods like Cornflakes are made from Millet. The growing awareness regarding health and fitness among the consumers are soluting in a higher uptake of organic, natural, and gluten-free products, which, in turn, is fueling the millet market.

This book offers comprehensive reference that covers various aspects of millet production and its value-added Products Production Process, Machinery, Equipment Details, Factory layout and Photographs with Suppliers Contact Details are also given

The Millet Production, Processing, and Value-Added Products Handbook is a comprehensive guide that offers a wealth of knowledge and practical insights into the world of millet agriculture and its various applications. This handbook serves as an invaluable resource for farmers, agricultural researchers, startups, entrepreneurs, food processors, and anyone interested in the cultivat pressing, and utilization of millet grains.



₹ 20/-

16 Pages

Highly Profitable Business Ideas for You

Recycling Plant for Lithium-Ion Batteries with Black Mass Processing for the Extraction of Lithium, Cobalt, and Nickel

n the age of electrification and renewable energy, lithium-ion batteries are at the core of technological transformation. From

electric vehicles (EVs) and smartphones to solar energy storage systems, the demand for lithium-ion batteries has surged globally. With this demand comes an equally critical challenge managing end-of-life batteries and extracting valuable materials through efficient recycling. One of the most lucrative and technologically advanced avenues within this space is the recycling of lithium-ion batteries, particularly the recovery of critical metals such as lithium, cobalt, and nickel from black mass.

Why Startups Should Enter the Lithium-Ion Battery Recycling Industry

This sector offers a perfect combination of environmental impact, high-value recovery, policy support, and robust demand, making it an ideal domain for startups and new entrepreneurs. The Indian government, under its Extended Producer Responsibility (EPR) guidelines and National Electric Mobility Mission, has been actively encouraging recycling businesses to reduce dependency on imported critical minerals and to mitigate environmental hazards from battery waste.

Additionally, global EV sales crossed 14 million units in 2023 and are projected to grow exponentially, indicating a future tsunami of spent batteries. Every lithium-ion battery that reaches its end-of-life is not just waste, but a potential mine of strategic metals like lithium, cobalt, and nickel—each of which commands significant market value.

Market Overview, Size & Trends

The global lithium-ion battery recycling market was valued at USD 6.5 billion in 2023 and is expected to reach USD 18.9 billion by 2030, growing at a CAGR of 16.2%. India's market is currently in its nascent stage, but it is rapidly evolving. With the government promoting local manufacturing of EVs and battery storage systems under the PLI (Production Linked Incentive) schemes, the domestic market for recycling solutions is gaining momentum. India alone is expected to generate over 2 million tonnes of battery waste by 2030. This sharp growth, combined with increasing global demand for electric mobility and energy storage, is creating a sustainable market for recycling black mass offering a high ROI for early movers.

What is Black Mass?

Black mass is the residual fine powder left after the mechanical dismantling and shredding of spent lithium-ion batteries. It is rich in valuable elements like lithium, cobalt, nickel, manganese, and graphite. Extracting these metals from black mass is not only a cost-effective alternative to mining but also helps reduce the environmental footprint.

Export Potential

With global demand for critical battery metals rising and many countries facing shortages, exporting recovered lithium, cobalt, and nickel can be highly profitable. Nations like the USA, Germany, Japan, and South Korea are importing these metals to support their domestic EV industries. Indian startups can leverage this demand by setting up export-compliant recycling plants.

Manufacturing Process

The recycling process involves multiple steps:

- Collection & Sorting: Spent batteries are collected and classified by chemistry (LCO, NMC, LFP, etc.).
- 2. Discharge & Dismantling: Batteries are safely discharged and dismantled manually or using automated tools.
- **3. Shredding:** Batteries are shredded in an inert environment to avoid combustion.
- **4. Separation:** Mechanical processes separate plastics, aluminum, copper, and the valuable black mass.
- 5. Leaching (Hydrometallurgy): Black mass is treated with selective leaching agents to dissolve lithium, cobalt, and nickel.
- 6. Precipitation & Purification: Metals are

recovered using chemical precipitation and purified for reuse.

- Drying & Packaging: Extracted lithium, cobalt, and nickel are dried and packaged for further application or export.
- Key Benefits of Investing in This Business
- High Demand and Government Support: Driven by EV policies, EPR mandates, and PLI schemes.
- Low Competition, High Margin: An emerging sector with significant room for early adopters.
- Global Export Opportunity: High-grade lithium, cobalt, and nickel fetch premium prices in global markets.
- Sustainability and ESG Compliance: Aligns with sustainable development goals and corporate ESG policies.
- Scalability: Modular plants can be expanded in phases based on capacity and ROI.

Final Thoughts

For startups and entrepreneurs looking for a sustainable, high-growth business opportunity, lithium-ion battery recycling—especially from black mass to critical metals—is a future-ready venture. With global supply chains seeking reliable secondary sources of battery metals and governments promoting circular economy practices, this industry promises not just profitability, but long-term viability and global relevance.

08	ST ESTIMATE
:	4,200 MT Per Annum
:	3 MT Per Annum
:	9 MT Per Annum
:	12 MT Per Annum
:	₹ 434 Lakhs
:	₹1150 Lakhs
:	31%
:	55%
	0 8

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

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Start Investing in Fastest Growing Industries

Sodium Hydrosulphite:

A Promising Manufacturing Venture

for Startups and Entrepreneurs

and sustainable processing methods.

wide and consistent market.

3. Diverse Applications: Its use in industries such

as textiles (for vat dye reduction), paper (for

pulp bleaching), and even as a food additive (to

preserve color and prevent spoilage) ensures a

4. Favorable Market Trends: The shift toward

sustainable and less toxic chemical alternatives

has made sodium hydrosulphite a preferred option

over chlorine-based bleaching agents. This has

opened up additional avenues in environmental

5. Government Incentives: Startups in the

chemical manufacturing space often benefit from

various schemes and subsidies under the 'Make

in India' initiative, particularly for export-oriented

As of 2024, the global sodium hydrosulphite

market is valued at approximately USD 1.3 billion

and is expected to grow at a CAGR of over 6%

during the next five years. Asia-Pacific holds the

compliance and green manufacturing.

and pollution-controlled industries.

Market Size, Share & Trends

odium Hvdrosulphite (Na₂S₂O₄), commonly known as sodium dithionite, is а powerful reducing agent used extensively in the textile, paper, leather, food, and chemical industries. With its strong bleaching and decolorizing properties, it has become a vital industrial chemical across various

sectors. As global demand continues to rise, setting up a manufacturing unit for sodium hydrosulphite presents a lucrative and sustainable business opportunity, especially for startups and new entrepreneurs looking to establish a foothold in the chemical manufacturing domain.

Why Invest in Sodium Hydrosulphite Manufacturing?

Startups and entrepreneurs seeking a scalable and profitable business model should seriously consider sodium hydrosulphite manufacturing. The global market is witnessing steady growth due to its wide range of industrial applications. As industries strive for cleaner and more efficient processing methods, sodium hydrosulphite's role in eco-friendly bleaching and dyeing processes is becoming more critical.

Key Reasons for Investment:

- 1. Rising Industrial Demand: The textile industry, which is one of the largest consumers of sodium hydrosulphite, is expanding rapidly, especially in countries like India, Bangladesh, Vietnam, and China. This growth drives the demand for highquality reducing agents.
- 2. Export **Opportunities:** Sodium hydrosulphite has excellent export potential. Asia-Pacific dominates the market, but demand from Europe and North America is growing due to increased environmental awareness

PROJECT COST ESTIMATE CAPACITY Project Capacity Plant & Machinery : ₹ 213 Lakhs **Cost of Project** : ₹ 350 Lakhs Rate of Return · 31% **Break Even Point** :66%

: 20,000 Kgs Per Day

largest market share due to the massive presence of textile processing units. India, in particular, is poised to become a manufacturing hub due to its abundant raw material availability, low labor costs, and supportive policy environment. The increasing use of sodium hydrosulphite in wastewater treatment. chemical synthesis, and pharmaceutical intermediates further adds to its growth trajectory. Demand is also boosted by its adoption in emerging applications such as kaolin clay bleaching and mineral flotation.

Manufacturing Process of Sodium Hydrosulphite

The production of sodium hydrosulphite typically involves the reduction of sulfur dioxide using sodium formate or zinc in an aqueous medium. Two primary commercial methods are:

Formate Process:

- Sulfur dioxide (SO₂) is reacted with sodium formate in the presence of sodium hydroxide.
- The reaction takes place under controlled temperature and pressure conditions in a reactor.

• Sodium hydrosulphite is then crystallized, filtered, dried, and packaged.

Zinc Process (less preferred due to by-2. product waste):

0 SO, is reduced by zinc in an alkaline solution to form sodium hydrosulphite.

The resulting slurry is processed and 0 separated from zinc oxide by-product.

Conclusion

1

Sodium hydrosulphite manufacturing is a smart and future-ready business opportunity. With its vast industrial usage, consistent demand, and growing environmental preference for non-chlorine bleaching agents, this industry offers strong growth potential. Startups can capitalize on domestic consumption and global trade by adopting modern production technologies and maintaining stringent quality standards. With the right investment, strategic planning, and compliance with environmental norms, entrepreneurs can build a sustainable and profitable venture in this segment.

hospital is a health care institution providing patient treatment with specialized medical and nursing staff and medical equipment. The best-known type of hospital is the Multispeciality hospital, which typically has an emergency department to treat urgent health problems ranging from fire and accident victims to a sudden illness.

A Multi-speciality hospital as a health care organization has been defined in varied terms as an institution involved in preventive, curative/ ameliorative, palliative or rehabilitative services. It is meant to treat patients suffering from various ailments. A private hospital is a place where one

Setting Up a **Multispeciality Hospital** (200 Bedded)

PROJECT COS	ΤI	ESTIMATE		
CAPACITY				
Plant & Machinery		₹ 140 Cr		
Cost of Project	:	₹ 212.48 Cr		
Rate of Return	:	27%		

Break Even Point : 50%

may get treatment from ordinary fever to a major surgery operation.

Global Hospital Market stood at USD 4207.46 billion in 2020 and is expected to grow at a CAGR of 6.70% during the upcoming period. This can be attributed to the growing geriatric population suffering from various

chronic diseases including cancer, diabetes, cardiovascular diseases, renal disorders, among others. This in turn has increased the patient pool requiring treatment. Furthermore, increasing awareness and advancements pertaining to diagnostic technologies are expected to create lucrative opportunities for the market growth through 2026

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Most Growing Industries to Start a New Business

n an era where environmental sustainability is no longer optional but a necessity, the use of biodegradable products has become increasingly popular. One such innovative and eco-friendly idea is the manufacturing of disposable plates and cups from waste rice husk powder. This concept not only promotes waste utilization but also supports sustainable industrial growth. For startups and new-age entrepreneurs, this venture offers a compelling opportunity combining profitability with environmental responsibility.

Why Choose This Business Idea?

India is one of the world's largest producers of rice, and consequently, it generates a substantial volume of rice husk as agricultural waste. Traditionally used as a fuel source or animal bedding, rice husk remains underutilized. Converting this waste into biodegradable tableware like plates and cups adds immense value while solving a critical environmental issue.

Startups venturing into this business are tapping into a growing market of eco-conscious consumers, government mandates on banning plastic disposables, and increasing demand for sustainable alternatives from the hospitality and food delivery sectors. With rising awareness and global pressure to eliminate single-use plastics, biodegradable products are witnessing exponential demand in both domestic and international markets.

Market Overview, Size, and Trends

The global biodegradable disposable tableware market is expected to reach over USD 12 billion by 2030, growing at a CAGR of around 5.5%. In India alone, the market for eco-friendly disposables is rapidly expanding, particularly in urban areas where regulatory bans on plastic items are enforced strictly.

The growth is primarily driven by:

- Government regulations against plastic use
- Rising consumer preference for green products
- Increasing demand from food delivery services and QSR chains

Sustainable Tableware from Tableware from Agricultural Waste: A Smart Startup with Rice Husk Powder

• Export opportunities in Europe, the USA, and Gulf countries where demand for biodegradable products is surging

Startups entering this sector benefit from a relatively low competition barrier, abundant raw material availability, and growing incentives for eco-friendly manufacturing units under government schemes like Startup India and MSME support programs.

Export Potential

Countries like Germany, Canada, the United Kingdom, and Australia are major importers of eco-friendly tableware. Indian manufacturers, due to their cost-effective production capabilities and ample raw material access, are well-positioned to

PROJECT COS	T ESTIMATE
CAPACITY	
Disposable Plates from Waste Rice Husk Powder	: 10,000 Pcs Per Day
Disposable Cups from Waste Rice Husk Powder	: 10,000 Pcs Per Day
Plant & Machinery	: ₹ 39 Lakhs
Cost of Project	:₹ 97 Lakhs
Rate of Return	: 32%
Break Even Point	: 70%

serve these markets. Rice husk-based plates and cups are highly preferred for their durability, compostability, and natural appeal.

> Export incentives under the Foreign Trade Policy (FTP) and duty drawbacks further enhance the feasibility of this project for startups seeking global market access.

Manufacturing Process

The manufacturing of disposable plates and cups from rice husk involves the following steps:

Raw Material Preparation:

Collection and drying of rice husk, followed by grinding into fine powder.

- Blending: The rice husk powder is mixed with biodegradable binders (like starch or natural resins) to form a moldable mixture.
- **3. Molding:** This blend is fed into hydraulic or pneumatic molding machines where it is pressed into plate or cup shapes using heated molds.
- Drying and Curing: The molded items are dried to remove residual moisture and increase durability.
- **5. Trimming and Polishing:** Edges are trimmed, and surfaces are polished for a clean finish.
- **6. Packaging:** The final products are packed in eco-friendly packaging for distribution.

Final Thoughts

1.

Setting up a manufacturing unit for disposable plates and cups using waste rice husk powder is not just a business—it's a step towards environmental restoration. Startups embracing this project stand to benefit from increasing market demand, costeffective raw materials, favorable government policies, and the potential to export globally.

With innovation, marketing, and commitment to sustainability, entrepreneurs can carve a niche in the green manufacturing sector while contributing to the circular economy. This venture exemplifies how business and environmental goals can go hand in hand to create a profitable, responsible future.

E-Waste & Lithium Battery Recycling Plant

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

Recycling of used lithium batteries has primarily focused on extracting active metal cobalt (Co) and lithium (Li). According to E-Waste Market in India 2015-2019 research, the need to prevent biological hazards is one of the major trends upcoming in this market. Indians become richer and spend more on electronic items and appliances,

computer equipment accounts for

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

almost 70% of e-waste material, followed by telecommunication equipment (12%), electrical equipment (8%) and medical equipment (7%). Other equipment, including household account for the remaining 4%. As a whole any entrepreneur can venture in this project without risk and earn profit.

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Highly Profitable Business Ideas for You

ompressed Bio Gas (CBG) production from biodegradable organic waste such as cow dung, Napier grass, municipal solid waste (MSW), and agricultural residues is emerging as one of the most lucrative and sustainable business opportunities in India. This clean energy alternative aligns with the Government of India's Sustainable Energy goals and supports the "Waste to Wealth" and "Swachh Bharat Abhiyan" initiatives. For startups and greentech entrepreneurs, this project offers a strategic combination of profitability, low carbon footprint, high demand, and future scalability.

Why This Business Idea is Perfect for Startups

- 1. Abundant Raw Material Availability: India generates over 300 million tonnes of agricultural waste annually and has the world's largest cattle population, producing enormous volumes of cow dung. Municipalities are also burdened with managing large quantities of biodegradable waste. Napier grass, a fastgrowing energy crop, can be cultivated easily on marginal land, making feedstock for CBG cost-effective and locally available.
- 2. Supportive Government Policies: Initiatives such as the Sustainable Alternative Towards Affordable Transportation (SATAT) scheme launched by the Ministry of Petroleum & Natural Gas provide strong policy support. SATAT targets the establishment of 5,000 CBG plants by 2025 and encourages procurement by Oil Marketing Companies (OMCs) at attractive rates.
- 3. Rising Demand for Clean Fuel: CBG is a renewable substitute for CNG (Compressed Natural Gas), with similar calorific value and can be used in automobiles and industrial heating. With India's push for cleaner fuels in transportation and industry, demand for CBG is expected to rise sharply.
- 4. Income from Multiple Revenue Streams: In addition to CBG, the by-product from the anaerobic digestion process—fermented organic manure (FOM)—can be sold as highquality bio-fertilizer, creating dual income sources for entrepreneurs.
- 5. Export and Carbon Credit Potential: CBG has international market potential as many countries shift toward biofuels. Projects can also earn

Compressed Bio Gas (CBG) Production from Cow Dung, Napier Grass, Municipal Waste, and Agricultural Residues - A Sustainable Business Opportunity for the Next-Gen Entrepreneur

carbon credits under global carbon trading mechanisms, enhancing profitability.

Market Size and Trends

The global biogas market was valued at over USD 60 billion in 2023 and is projected to grow at a CAGR of 5.6% between 2024 and 2030. India's CBG market is also expanding rapidly due to strong policy support, urbanization, and environmental mandates. According to official sources, the country has the potential to produce 62 million tonnes of CBG annually. By 2030, the domestic market size is projected to exceed ₹1 lakh crore, making it an attractive segment for early entrants.

Trends show that decentralized CBG plants near agro-clusters and dairy zones are gaining popularity. Investments in automation, gas purification technologies, and digital monitoring are increasing the plant efficiency and reducing production costs.

Manufacturing Process of CBG

The CBG production process involves several steps:

1. Feedstock Collection: Cow dung, Napier grass,

MSW (organic fraction), and agri-waste are collected and transported to the plant.

2. Pre-treatment: The feedstock is shredded, diluted, and homogenized to optimize microbial digestion.

3. Anaerobic Digestion: The processed feed is sent to a digester tank where microbial action in an oxygen-free environment converts it into biogas.

4. Gas Purification: Raw biogas contains methane (50-60%), CO□, and hydrogen sulfide. The gas is purified using scrubbers and pressure swing adsorption (PSA) to yield over 95% pure methane (CBG).

5. Compression and Bottling: Purified gas is compressed at 250 bar and filled into cascades or cylinders for transport and sale.

6. By-product Processing: The digested slurry is dewatered and converted into organic manure or liquid fertilizer.

Conclusion

CBG from cow dung, Napier grass, municipal solid waste, and agri-waste is not just an eco-friendly venture but also a commercially viable project that transforms waste into wealth. It addresses several pressing issues—waste disposal, renewable energy, soil degradation, and fuel import dependency while offering high returns on investment and long-term sustainability. For forward-thinking entrepreneurs, this green fuel revolution presents a timely and profitable opportunity to build a clean energy business that contributes to national goals and global sustainability.

PROJECT COST ESTIMATE		
CAPACITY		
Compressed Bio Gas	: 6 MT Per Day	
By Product Liquid Fertilizer	: 117 MT Per Day	
By Product Dry Solid Fertilize	r : 50 MT Per Day	
Plant & Machinery	: ₹ 19.6 Crores	
Cost of Project	: ₹ 24 Crores	
Rate of Return	: 31%	
Break Even Point	: 41%	

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5

Start Investing in Fastest Growing Industries

the ever-evolving landscape of the LPG industry, the introduction transparent LPG of cylinders made from fiberglass composite materials is emerging as a gamechanger. Unlike traditional metal cylinders, fiberalass cylinders offer lightweight desian. corrosion resistance.

enhanced safety, and aesthetic appeal,

all while allowing consumers to visually monitor the gas level. This next-generation solution is gaining traction globally and presents a promising investment opportunity for startups and new-age industrial entrepreneurs.

Why Startups Should Consider This Business

There is a growing demand for safer, user-friendly, and modern alternatives to traditional LPG cylinders in both domestic and commercial sectors. Consumers are increasingly seeking innovative features such as transparency for gas level visibility and reduced cylinder weight for easier handling. Fiberglass cylinders meet all these demands while also offering superior safety features including burst-resistance, non-corrosive structure, and UV protection.

For startups, this business offers a lowcompetition, high-growth environment. As governments across Asia, Africa, and Latin America push for improved rural LPG penetration and sustainable energy use, transparent composite cylinders are expected to gain significant market share. In India alone, where LPG penetration is over 99% due to schemes like Ujjwala Yojana, the replacement of aging metal cylinders presents a massive domestic market potential.

Market Overview and Growth Trends

The global composite LPG cylinder market is growing at a CAGR of over 8%, with major demand

Invest in the Future of LPG Storage – Start a Transparent Fiberglass Cylinder Unit

coming from India, Southeast Asia, Middle East, and Africa. Developed markets like Europe have already adopted fiberglass cylinders, and now emerging economies are catching up. The increasing focus on green alternatives, smart utility solutions, and urban safety standards is further fueling the demand.

In India, the fiberglass LPG cylinder industry is still at a nascent stage, creating an excellent firstmover advantage for new players. The replacement rate of steel cylinders is accelerating, and government approvals for composite designs are making the market even more accessible.

Additionally, the export potential is significant. Countries with large LPG usage such as Bangladesh, Nepal, Kenya, Nigeria, and Vietnam are looking for safer, lighter, and innovative LPG packaging solutions. Indian manufacturers can leverage cost-effective production capabilities to export these cylinders to global markets, backed by quality certifications and BIS compliance.

Manufacturing Process

The manufacturing of transparent LPG cylinders from fiberglass involves a multi-layer composite construction. The inner layer is a blow-molded thermoplastic liner, surrounded by a fiberglassreinforced epoxy or polyester resin, and covered with an outer protective jacket.

Steps involved in the manufacturing process: 1. Thermoplastic liner production – The liner is blow-molded using polyethylene or polypropylene.

2. Fiberglass winding – Continuous glass fiber is wound around the liner in specific patterns and impregnated with resin.

 Curing process – The composite shell is cured in an oven or under controlled conditions for hardening.

4. Outer jacket molding – Protective outer covers are molded and assembled to enhance strength and aesthetics.

- Testing and inspection Every unit undergoes pressure testing, leakage test, impact resistance, and burst tests.
- **6. Valves and fittings** Brass valve fittings are added for standardized LPG connection.
- 7. Branding and packaging Final product is labeled and packed for dispatch.

Conclusion

Transparent LPG cylinders made from fiberglass are more than just a product—they represent the future of safe, smart, and sustainable energy packaging. The unique combination of safety, convenience, and innovation offers a golden opportunity for startups to establish themselves in a niche yet growing segment. By investing in this project, entrepreneurs can tap into both domestic and international markets while contributing to consumer safety and modern energy solutions.

PROJECT COST ESTIMATE				
CAPACITY				
Project Capacity	: 2,000 Nos. Per Day			
Plant & Machinery	: ₹ 101 Crores			
Cost of Project	: ₹ 136 Crores			
Rate of Return	: 25%			
Break Even Point	: 40%			

Ithough the names cannula and catheter can be used to separate them, the activities of an IV catheter and a cannula are fairly similar. A cannula is more flexible, with a tapered diameter that allows it to be placed into veins of various sizes. A catheter can only be inserted into larger veins since it is less flexible and cannot be tapered. Although each device has its own set of capabilities, they all have the same goal: to administer fluids or medications directly into the bloodstream through an intravenous line.

The most frequent way for administering intravenous fluids, medicines, and nutritional supplements in the hospital or at home is with an IV catheter and cannula, sometimes known as an IV set or line. Fluids that are injected directly into your vein rather than into your muscles or soft tissues are



referred to as intravenous (IV). A catheter and a cannula are used to make an IV set, also known as a line.

You might need one if you're getting chemotherapy or are about to have surgery that requires general anaesthetic. A cannula is normally inserted into one of three veins: the one just below the elbow in either arm, the neck vein, or the vein at the collarbone vein. One of the key factors driving the global expansion of the IV catheter market is the growing importance of intravenous (IV) therapy. IV therapy is an important part of the treatment of a variety of disorders, and it is used in both surgical and non-surgical patients. Another major factor driving the global IV catheter market is the rising number of chronic disease cases around the world.

PROJECT COST ESTIMATE

CAPACITY:	
IV Cannula with Wings	: 75,000 Pcs. Per Day
& with Injection Port	
Catheters	: 18,750 Pcs. Per Day
Plant & Machinery	:₹16 Cr
Cost of Project	:₹27 Cr
Rate of Return	: 28%
Break Even Point	: 55%

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Lucrative Business Ideas for Startup

etting up a manufacturing unit for iron pellet ore with beneficiation is a lucrative opportunity, especially for startups and entrepreneurs aiming to tap into India's booming steel industry and global demand for high-grade iron ore products. The beneficiation

and pelletization of iron ore convert low-grade ore into a usable, high-quality feedstock for blast furnaces and direct reduction processes. This ensures not only environmental sustainability by utilizing otherwise waste-grade ore but also adds considerable economic value.

Why Entrepreneurs Should Consider This **Business**

India ranks among the top producers of iron ore in the world. However, a significant portion of iron ore reserves is of low grade and cannot be used directly in steel manufacturing without prior treatment. This is where beneficiation and pelletization come into play. Beneficiation enhances the iron content by removing impurities such as silica, alumina, and other gangue materials, while pelletization shapes the fine iron ore into uniformsized pellets, ideal for use in steel plants.

The demand for iron ore pellets is on the rise due to a growing need for high-guality raw materials in the steelmaking industry, especially in countries like China, South Korea, and the Middle East. In addition, India's push for decarbonization and cleaner steel production is making iron ore pellets, particularly those from beneficiated ore, a critical resource.

Market Size, Share & Trends

As of 2024, India produces approximately 35

Oleifera

is

the most widely cultivated species of the genus Moringa, which is the only genus in the family Moring aceae. English common names include: moringa, drumstick tree (from the appearance of the long, slender,

oringa

triangular seed-pods), horseradish tree (from the taste of the roots, which resembles horseradish), ben oil tree, or benzoil tree (from the oil which is derived from the seeds).

Originated from India, moringa trees are now found in Ghana, the Philippines, Nigeria, Kenya, Rwanda, Niger, Mozambique, Cambodia and Haiti. Today, the moringa market globally is estimated at more than Rs 27,000 crore, which is expected to

Iron Ore Pelletization with Beneficiation - A Lucrative Startup Opportunity for **Aspiring Industrialists**

million tonnes of iron ore pellets annually, with a significant chunk being exported. The global iron ore pellet market is projected to grow at a CAGR of around 3.5% from 2024 to 2030, fueled by rising steel demand, infrastructure projects, and urbanization.

Key players in the Indian market include NMDC, JSW Steel, Essar Steel, and Rashmi Metaliks. However, the industry has ample space for new players, particularly in regions with rich iron ore reserves like Odisha, Jharkhand, Chhattisgarh, and Karnataka. The Indian government's support for Atmanirbhar Bharat and its push for domestic value addition in minerals make this project highly viable.

Export potential is robust, with demand in China, Japan, and Europe remaining strong due to the superior quality and environmental advantages of pellets over lump ore. Beneficiated and pelletized ore also attracts premium pricing in international markets.

Manufacturing Process **Overview**

The production of iron ore pellets with beneficiation involves the following steps:

1. Ore Crushing and Screening: The raw iron ore is crushed

PROJECT COS	ST ESTIMATE
CAPACITY	
Beneficiation Iron Ore	: 4,000 MT Per D
Iron Ore Pellets	: 2,667 MT Per D
Plant & Machinery	: ₹ 49 Crores
Cost of Project	: ₹ 214 Crores

Rate of Return

Break Even Point

to break it into smaller pieces and screened to remove impurities.

2. Grinding: The ore is ground to a fine powder to allow liberation of iron minerals from the gangue.

3. Beneficiation: Through techniques like magnetic flotation, separation, and gravity separation, the iron content is increased to the desired

level.

- 4. Thickening and Filtration: The slurry from beneficiation is thickened and filtered to remove excess water.
- 5. Mixing and Pelletizing: The filtered concentrate is mixed with binders (like bentonite) and rolled into small balls or pellets using pelletizing discs or drums.
- 6. Induration: The pellets are hardened in an induration furnace at temperatures around 1300°C to make them suitable for blast furnaces and DRI units.
- 7. Cooling and Storage: After hardening, the pellets are cooled and stored for dispatch.

Conclusion

Setting up a beneficiation and iron ore pellet plant is a strategic investment for startups aiming to enter the steel and mining value chain. It aligns with

> both India's raw material advantage and global demand trends. With the right location, skilled manpower, and access to raw materials, this project offers substantial business sustainability and export revenue. It is a highly recommended venture for entrepreneurs seeking longterm industrial success.

such as moringa leaf powder have seen a growth in the sales in the global market. The rising health awareness in countries such as Europe and Americas have given rise to the increasing usage of moringa products by the consumers. This will drive the moringa products market future growth till 2022. As a whole any entrepreneur can venture in this project without risk and earn profit.

PROJECT COST ESTIMATE CAPACITY		
Drumstick (Moringa Oleifere) Powder	: 400 Kgs / Day	
Plant & Machinery	: ₹ 31 Lakhs	
Cost of Project	:₹71 Lakhs	
Rate of Return	: 28%	
Break Even Point	: 71%	

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

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Moringa Oleifera (Drumstick) Powder

cross Rs 47, 250 crore by 2020, growing at a rate of nine per cent per year.

The increasing awareness about the health advantages of moringa products will be one of the major factors that will have a positive impact on the global moringa products market during the forecast period. Over the years, moringa products

: 31% : 45%



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B agasse is the fibrous residue that remains after sugarcane or other vegetation is harvested for its juice or sap. It's usually dried, baled, and used as a renewable source of fuel or biomass energy. It is also gaining traction in the

green movement as a material for sustainable, biodegradable products such

as disposable plates, cups and cutlery. Bagasse is generally considered a waste product, but it is in fact an extremely versatile, renewable resource. It can be used in many different ways, including paper production, manufacturing of furniture, and packaging materials.

Advantages of Using Bagasse in Biodegradable Disposables

Bagasse is a lightweight material that is easy to transport, which makes it more economical than other materials like plastic or Styrofoam. Bagasse is also extremely durable. It can withstand temperatures of up to 220°F, meaning it can be used for hot and cold beverages and food without worrying about leakage or other problems. Plus, it won't break easily like plastic or Styrofoam. Bagasse is completely biodegradable, which means it won't contribute to landfills or other environmental problems associated with plastic waste.

Highly Profitable Business Ideas for You Setup Biodegradable Disposable Cups and Plates (Tableware) Using Sugarcane Bagasse Business

Global Market Signal

The biodegradable tableware market is expected to be growing at a growth rate of 6.0% for the forecast period of 2022 to 2029. The global market for biodegradable disposable cups and plates made from sugarcane bagasse has seen significant growth. This is due to increased awareness of environmental sustainability and waste reduc-

PROJECT COST ESTIMATE		
CAPACITY:		
Biodegradable Disposable Cups each 9gm wt.	:	665 Th.Pcs Per Day
Biodegradable Disposable Plate each 16gm wt.	s:	375 Th.Pcs Per Day
Plant & Machinery	:	₹ 1941 Lakhs
Cost of Project	:	₹ 2774 Lakhs
Rate of Return	:	27%
Break Even Point	:	46%

ELECTRICAL CABLE, WIRE AND WIRE PRODUCTS

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ALCOHOLIC, NON-ALCOHOLIC, BEVERAGES, WINE & INDUSTRIAL ALCOHOL

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> tion among consumers and the availability of various types of sugarcane bagasse tableware products in the market. The growing preference for eco-friendly alternatives is expected to drive the demand for biodegradable dis-

posable cups and plates made from sugarcane bagasse over the forecast period. A growing trend

of 'green' restaurants is also expected to contribute to an increase in demand for biodegradable disposable cups and plates made from sugarcane bagasse.

Conclusion

Entrepreneurs should consider entering the biodegradable disposable cups and plates (tableware) business using sugarcane bagasse due to its numerous benefits. Not only is it

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

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

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- » Activated Carbon from Coconut Shell
- » Alloy Wheels for 2 Wheelers
- » Aluminium Cans for Brewery Industry
- » Ayurvedic /Herbal Hand Sanitizer » Baby Wet Wipes and Facial Wet Tissues
- » Biodegradable Plastic Pellets Corn Starch Thermoplastic & Polyvinyl Alcohol • PBAT & Corn Starch Thermoplastic •PLA + PBAT + Corn Starch Thermoplastic •PLA + PBAT + Caco3
- » Biodegradable Plastic Products (Bags, Plates & Glasses)

- » Cattle Farming (500 Cows)
- » Charcoal from Biomass » Chilli Powder, Chilli Flakes & Chilli Oil
- » Coconut Oil from Copra
- » Concentrated Manganese Ore
- » Copper Cathode from Copper Scrap
- » Curcumin Extraction Unit
- » Curcumin from Turmeric
- » Dal Mill (Pulses)
- » Disposable Plastic Syringes
- » Dry Fruits Processing (for Snack, Almond, Pistachio and Cashew Nut)
- » Dry Lemon Powder and Lemon Oil

» E-waste Recycling Plant

- » Fatty Alcohol » Ferro Molybdenum
- » Ferro Vanadium
- » Fire Clav Bricks
- » Fruit Wine
- » Furfural from Bagasse
- and Corncobs
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13



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- » Integrated Unit (Herbal Hair Oils, Herbal Cosmetic, Ayurvedic Pharmacy)
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- » LPG Bottling Plant
- » Macaroni
- » Macaroni, Spaghetti, Vermicelli and Noodles
- » Magnesium Sulphate (Fertiliser Grade)
- » Collagen Powder
- » Manufacturing of Disposable Personal
- Protective Equipment (PPE) Kit » Medical Disposables: Disposable Syringes (Self Destructive) with Needles, Catheters and Mask
- » Menthol Crystal from Mentha Oil
- » Metal Cutting Wheels (TMT Bar Cutting)
- » Peanut Butter
- » Plastic Waste Recycling Plant » Porcelain Insulator

785

» Potato Flakes

- » Potato Flakes and Pellets
- » Potato Powder
- Potato Powder, Flakes and Pellets Pouch Packing Automatic Plant -Flexible » Packaging (Namkeen, Spice, Mehandi, Milk, Ghee and Zipped Pouches)
- » Pre-mix and Animal Feed (Poultry and Cattle) » Prestressed Concrete Sleepers
- » Production of Artemisinin from Artemisia Annua Plant
- » Latex & Nitrile Gloves
- » Tomato Puree and Fruit Concentrate With Hot Break Process
- » Protein Bar
- » Reduction of Manganese Dioxide To Manganese Oxide 42% (by Rotary Kiln)
- » Roller Flour Mill (Atta, Maida & Suji) » Rose Plantation & Rose Oil Extraction
- » Sanitary Napkins
- » Activated Charcoal from Bamboo



- » Spices (Turmeric, Chilli & Masala Powder)
- » Lithium Ion Battery (Battery Assembly)
- » Latex Rubber Thread Manufacturing Plant » Surgical Blade & Disposable Scalpel
- Talc from Talc Ore (Cosmetic Grade)
- » Toughened Glass (Tempered Glass) Toughened Glass
- » UPVC Pipes
- » UPVC Profiles for Doors
- and Windows
- » Virgin Coconut Oil
- » Wheat Flour Mill (Atta, Maida & Suji)
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- » Yeast from Molasses
- » Zinc Chloride
- » Zinc Oxide from Zinc Dross
- » Zinc Sulphate
- » Zinc Sulphate (33%, 21% & 12%)



Most Growing Industries to Start a New Business

Rickshaws are three wheel battery operated vehicles, which are considered as an upgrade to conventional rickshaws, and economically better than auto rickshaws and other fuel variants, these rickshaws. since are battery powered have zero emission, and is often argued to be much better than other rickshaws as they are considered almost pollution free. An E rickshaw is now fairly popular rickshaw drivers

and has created new opportunities for people, as they require minimum investment to earn a living. They offer huge returns in less time, and are easy to operate and have low maintenance and runnina cost.

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

Advantages of E-Rickshaws

• Eco-Friendly - E-Rickshaws can be the best alternative to petrol or diesel run vehicles as they are operated on battery. These rickshaws do not emit smoke and thus, will not contribute to the increasing air pollution. The batteries which will be used for the functioning of these rickshaws can be effectively recycled and thus, will solve the problem of battery disposal.

Demanding Business of E-Rickshaw Assembling

- Economical E-rickshaws are comparatively cheap and can be easily afforded by a common man. Passengers will have to pay a less transport charge. It is cost effective not only for the consumers but also for the owners. The batteries can be easily recharged from home or from any place that provides a proper voltage.
- Free from Noise Pollution E-rickshaws are free from creating noise pollution as they do not emit any sound. Passengers can have a smooth and comfortable ride.
- · Livelihood E-rickshaws provide a means of livelihood for the common as well as illiterate people. Without investing much of money, the e-rickshaw drivers can earn a good livelihood.
- · Safety E-rickshaws involve less risk when compared to the other fuel operating vehicles. They can cause less accident as they are slower and lighter than an auto rickshaw. There is a chance of explosion in the case of fuel operating vehicles.
- Easy Maintenance As they use electricity,

they do not require fuel to operate the engines. E-rickshaws are free from an engine and a gear box and thus, the burden of maintenance is reduced. The motor which is used in these rickshaws is smaller and the battery is placed below it. Hence, maintaining them is quite easier.

The global e-Rickshaw market is projected to expand at around 9% CAGR during the upcoming period. The growth of the market is attributed to low cost of transportation and low

power consumption. E-rickshaws are widely accepted as an alternative to diesel, petrol, CNG auto rickshaws. Increasing awareness about the air pollution and other environmental issues which can be reduced by using the e-rickshaws. In the e-rickshaw the main electronic components that make the drive are controller, motor, batteries, harness and throttle. The mismatch between any of these components is nasty and may reduce performance. The global e-Rickshaw market is projected to expand at around 9% CAGR during the period. The growth of the market is attributed to low cost of transportation due better mileage and low power consumption. Increase in sales and production of electric vehicles as an alternative for fuel-based mobility, owing to several government initiatives and environmental regulations on the electric vehicle industry, is projected to drive the e-rickshaw market.

PROJECT COST ESTIMATE	
E-Rickshaw	: 200 Nos Per Dav
Plant & Machinery	: ₹ 2.06 Cr.
Cost of Project	: ₹ 25.80 Cr.
Rate of Return	: 30%
Break Even Point	: 68%

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Start Investing in Fastest Growing Industries

ulphuric acid (H₂SO₄) is one of the most widely used industrial chemicals in the world. Often referred to as the "king of chemicals," it plays a crucial role in various industries, including fertilizers, petroleum refining, wastewater processing, pharmaceuticals, and chemical synthesis. The global demand for sulphuric acid is steadily increasing, making it a lucrative sector for startups and new investors.

Why Startups Should Invest in Sulphuric Acid Manufacturing

For any entrepreneur seeking to enter a high-demand, recession-proof sector, sulphuric acid manufacturing stands out due to its widespread application across multiple industries. The acid is a critical raw material in the production of phosphoric acid (used in fertilizers), alum, synthetic detergents, explosives, dyes, and drugs. Additionally, it is used in the purification of petroleum, metal processing, and pH balancing in water treatment plants.

Startups can benefit from a strong and steady demand, particularly from agriculture and mining sectors. As the global focus shifts toward food security and infrastructure development, the need for fertilizers and refined metals is expected to rise, thereby directly increasing the demand for sulphuric acid.

Market Size, Trends, and Analysis

The global sulphuric acid market was valued at over US\$ 13.5 billion in 2023 and is projected to reach around US\$ 17.8 billion by 2030, growing at a CAGR of approximately 4.2%. In India, the demand is driven by the fertilizer industry, especially for the production of single super phosphate (SSP) and phosphoric acid.

Asia-Pacific leads the global market, with India and China being the major consumers. The Indian government's push towards increasing domestic fertilizer production and infrastructural development provides a favorable environment for new entrants in this sector. The Make in India initiative and subsidies on fertilizer raw materials further enhance the viability of this project for startups.

Moreover, the sulphuric acid industry is seeing significant investments in cleaner and more energyefficient production processes. Modern methods, such as the Double Contact Double Absorption (DCDA) process, e n s u r e

Setting Up a Sulphuric Acid Plant: A High-Growth Opportunity for Emerging Entrepreneurs

> minimal emissions and high yield, aligning with environmental regulations.

Export Potential

India is not only a consumer but also a significant exporter of sulphuric acid to countries in Africa, Southeast Asia, and the Middle East.

Export demand has surged due to the growing industrialization in developing nations. Setting up a manufacturing plant in India opens the door to tapping international markets, especially where local production is insufficient or inconsistent.

CAPACITY:	
Sulphuric Acid 98%	: 150 MT Per Day
Oleum 65%	: 50.5 MT Per Day
Oleum 23%	: 60 MT Per Day
Steam by Product	: 86.6 MT Per Day
Plant & Machinery	: ₹ 42 Crores
Cost of Project	: ₹ 66 Crores

: 30%

: 36%

Rate of Return

Break Even Point

PROJECT COST ESTIMATE

With the addition of port connectivity and bulk chemical shipping facilities, entrepreneurs can scale their operations to cater to both domestic and overseas markets, enhancing profitability.

Manufacturing Process of Sulphuric Acid

The most widely used method for sulphuric acid production is the Contact Process, which consists of the following stages:

- **1. Sulphur Burning:** Sulphur is burned in air to produce sulphur dioxide (SO₂).
- **2. Catalytic Oxidation:** SO_2 is converted into sulphur trioxide (SO_3) in the presence of a vanadium pentoxide (V_2O_5) catalyst.
- **3. Absorption:** SO_3 is absorbed in concentrated H_2SO_4 to form oleum.
 - **4. Dilution:** Oleum is diluted with water to obtain the desired concentration of sulphuric acid.

The process requires strict temperature and pressure control and continuous monitoring to ensure safety and efficiency.

Conclusion

Sulphuric acid production is a high-demand industrial venture backed by strong market fundamentals. With India's growing need for fertilizers, chemicals, and industrial processing solutions, there is ample room for new players.

The production process, while requiring technical precision and regulatory compliance, is well-established and supported by proven technologies and available machinery.

Startups and entrepreneurs can find this venture particularly attractive due to its consistent demand, diverse end-user industries, government support, and robust export potential. By

adopting efficient and eco-friendly manufacturing processes, new entrants can establish a competitive edge and ensure long-term profitability in the sulphuric acid market.

Set Up Ready to Eat Food (Retort Packaging) Vegetable Pulao, Dal Makhani, Palak, Rajma, Potato Peas and Muutter Mushroom)

TE food includes wide range of products viz. vegetarian/non- vegetarian, basic food/delectable desserts, south and north Indian items available from a specialty or multi cuisine restaurant & food joint only.

Uses and Applications

There are many Uses and Applicationss for ready to eat food. For example: you could start a catering business, food delivery service, a meal prep service. Ready to eat food is a great way to add variety to your diet and get all the nutrients your body needs. Indian Market

The Indian food processing industry accounts for 32 percent of the country's total food market, one of the largest industries in India and is ranked fifth in terms of production, consumption, export and expected growth.

FNUJEUTU	JOI EOTIMATE
CAPACITY :	
Vegetable Pulao	: 3,000 Kgs. Per Day
Dal Makhani	: 2,000 Kgs. Per Day
Palak	: 600 Kgs. Per Day
Rajma	: 700 Kgs. Per Day
Potato Peas	: 600 Kgs. Per Day
Matar Mushroom	: 250 Kgs. Per Day
Plant & Machinery	: ₹ 331 Lakhs
Cost of Project	: ₹ 718 Lakhs
Rate of Return	: 27%
Break Even Point	: 63%

Global Market

RTE food market is expected to grow at a 21.8-percent compound annual growth rate (CAGR) between 2018 and 2023. The demand for healthy and convenient ready-to-eat (RTE) food is on the rise.

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

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Lucrative Business Ideas for Startup

remix Tea and Coffee Cappuccino, Vanilla Flavoured Coffee, Premix Tea and Coffee Mocha Coffee, Masala Chai, Ginger Tea &

Green Tea are all products that have been specially developed for both diabetic and non-diabetic consumers. They are available in a range of flavors, each with its own unique characteristics. Green Tea is an ideal

choice for those who are looking to reduce their

sugar intake or follow a healthier lifestyle. All of these products provide health benefits, including improved digestive health and weight management.

The health benefits of Premix Tea and Coffee

The health benefits of premix tea and coffee are numerous. For instance, the antioxidant properties of green tea can help protect the body from free radicals, while ginger tea may help reduce inflammation. The caffeine content of premix tea and coffee can also boost alertness and mental clarity. Furthermore, it can help with digestion, as well as provide a boost to the immune system.

Scope for Startups in the Premix Tea and Coffee Industry

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

A Business Plan for Glass Fiber Reinforced Polymer (GFRP) Rebar

Glass fiber reinforced polymer (GFRP) rebar is a type of composite rebar made from high-strength glass fibers embedded in a resin matrix. It is a relatively new product that has been developed for use in the construction industry as a substitute for steel rebar. GFRP rebar has several advantages over traditional steel rebar, including greater corrosion resistance and a lower cost.

Scope of Start-up in Glass fiber reinforced polymer rebar Manufacturing Industry

The scope for start-up in Glass Fiber Reinforced Polymer (GFRP) rebar manufacturing industry is immense, as the global construction industry is projected to expand at a rapid pace in the years to come. GFRP rebar is gaining popularity as a replacement for traditional steel reinforcement

due to its superior corrosion resistance, lightweight, and lower cost. The advantages of using GFRP rebar can help in cutting down the costs of construction, making it attractive for contractors to switch to GFRP rebar over steel.

Uses and Application

Setup Plant of

Cappuccino, Vanilla Flavoured Coffee,

Mocha Coffee, Masala Chai, Ginger Tea

& Green Tea (for Diabetic and

Non Diabetic)

Glass fiber reinforced polymer rebar (GFRP) is a type of reinforcing bar used in the industry. construction This material is composed of glass fibers, epoxy resin, and other additives.

Global Market Outlook

Glass fiber reinforced polymer (GFRP) is widely used in the construction industry for non-structural elements, such as facade, panels, piping, and channels. The Asia-Pacific region has become an attractive market for the investors, owing to the presence of a number of emerging economies, such as India, China, Indonesia, Vietnam, and others in the region.

Conclusion

The scope of starting a GFRP rebar manufacturing business is excellent and provides a great opportunity for entrepreneurs to capitalize on the increasing demand of green building materials. With the right knowledge and resources, one can reap the benefits of this growing market in no time.

PROJECT COST	ESTIMATE
CAPACITY	
Glass Fibre Reinforced Polymer	: 360,000 MT Per Annum
(GFRP) Bar (Size 8mm to 36 mm)	
Plant & Machinery	: ₹ 6 Crore
Cost of Project	: ₹ 61 Crores
Rate of Return	: 34 %
Break Even Point	: 51 %

The global premix tea and coffee market is estimated to reach USD 2.26 billion by 2027 and is projected to grow at a CAGR of 4.8% over the forecast period. Factors such as increased consumption of organic beverages. rising disposable income, and rapid urbanization in developing countries are driving the growth of the global market.

PROJECT COST ESTIMATE

Conclusion

Global Market Outlook

Premix Tea and Coffee is a booming industry with great potential for startups. It is an easy and convenient way to enjoy a cup of tea or coffee anytime, anywhere. Not only is it cost effective but it also offers a variety of flavors that cater to both diabetics and non-diabetics. With the right business strategies, Premix Tea and Coffee can be very profitable. All in all, it is an exciting industry to enter and explore.

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

Sugarcane Juice Preservation and Bottling P

ugarcane juice is quite nutritious as it contains natural sugars, minerals like iron, magnesium, phosphorous, calcium and organic acids e.g. malic acid, succinic acid, acotinic acid etc. Preservation is done when Juice or food is kept for longer period without any deteriorated or spoils the juice by the direct contact with atmosphere. Sugarcane juice is excellent in treating urinary related diseases. It keeps the urine flow clear and aids the kidneys to perform better. Sugarcane juice relieves the burning sensation which arises due to infections of the urinary tract. The sugar cane juice provides the glucose, which is stored, as glycogen to be 'burned' by muscles when required. Sugar Industry contributes about 2500 crore rupees as tax to both central and state governments. The industry size in terms of capital is more than Rs. 40,000 crore. Almost 50 million people depend on sugar industry for their livelihood. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensure a high quality product.

PROJECT COST ESTIMATE CAPACITY

Capacity	:	48, 00,000 Ltrs. /Annum
Plant & Machinery	:	₹ 106 Lakhs
Cost of Project	:	₹ 467 Lakhs
Rate of Return	:	28%
Break Even Point	:	54%

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