



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.

EDITOR :

AJAY KUMAR GUPTA
D.M.S, M.B.A.

Entrepreneurship Management

ASSOCIATE EDITOR :

UDANT GUPTA

NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2015 CERTIFIED COMPANY

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

Tel. : 91-11-23843955
Mob.: +91-9097075054
+91-8800733955

E-mail :

info@niir.org
npcs.india@gmail.com

Website :

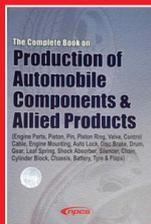
www.niir.org
www.entrepreneurindia.co

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/-



The rapid urbanization, coupled with an overwhelming growth in the middle class population, has created a market that is extremely conducive for the automobile industry to flourish. It is inferred from the demand, the investment in the automobile industry is estimated at over hundredths of billions in the vehicles and auto components segment. The auto market is thought to be made primarily of automakers, but auto parts makes up another lucrative sector of the market. The major areas of auto parts manufacturing are: Original Equipment Manufacturers (OEMs) - The big auto manufacturers do produce some of their own parts, but they can't produce every part and component that goes into a new vehicle; Replacement Parts Production and Distribution - These are the parts that are replaced after the purchase of a vehicle.

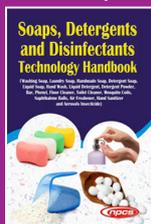
The book provides a characterization of vehicles, including structure, load, fuel used, requirement of various components, fabrication and so on. It will prove to be a layman's guide and is highly recommended to entrepreneurs, existing units who wants to diversify in production of automobile and allied products, research centers, professionals and libraries, as it contains information related to manufacturing of integral parts of an automobile and practices followed in the finishing of the products.

The topics covered in the book are: Classification of vehicles on the basis of load, fuel used and their parts; Material used in the manufacturing of automobile (Metals, Alloys, Polymers etc.); Technology used; Use of Aluminium in Automobiles; Use of Plastics in Automobiles; Manufacturing practices for Engine Parts (Auto Piston, Pins, Piston ring, Lead Storage Battery, Valve & Valve Seat, Automobile Silencer, Automobile Chain, Cylinder Block, Automobile Control Cable, Engine Mounting PAD, Auto Locks etc.); Manufacturing of Automobile Chassis, Disc Brake, Brake Drum, Gear, Gear Blank, Leaf Spring, Shock Absorbers, Automobile Tyres; Heat Treatment System for Automobile Parts; Forging Technology (Open Die Forging Process, Close Die Forging Process, Designing of forged parts) and Painting Technology (Conversion Coating, NAD Finishes, Aluminium Flake Orientation, Opacity, Gloss, Electro Powder Coating, Spot Repair, Electrostatic Spray etc.) for automobile parts; Scab Corrosion Test, Peel Resistance.

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/-



Soaps are cleaning agents that are usually made by reacting alkali (e.g., sodium hydroxide) with naturally occurring fat or fatty acids. A soap is a salt of a compound known as a fatty acid. A soap molecule consists of a long hydrocarbon chain (composed of carbons and hydrogens) with a carboxylic acid group on one end which is ionic bonded to a metalion, usually a sodium or potassium. The hydrocarbon end is nonpolar and is soluble in nonpolar substances (such as fats and oils), and the ionic end (the salt of a carboxylic acid) is soluble in water. Soap is made by combining tallow (or other hard animal fat) or vegetable or fish oil with an alkaline solution. The two most important alkalis in use are caustic soda and caustic potash.

A detergent is an effective cleaning product because it contains one or more surfactants. Because of their chemical makeup, the surfactants used in detergents can be engineered to perform well under a variety of conditions. Such surfactants are less sensitive than soap to the hardness minerals in water and most will not form a film.

Disinfectants are chemical agents applied to non-living objects in order to destroy bacteria, viruses, fungi, mold or mildews living on the objects. Disinfectants are chemical substances used to destroy viruses and microbes (germs), such as bacteria and fungi, as opposed to an antiseptic which can prevent the growth and reproduction of various microorganisms, but does not destroy them. The ideal disinfectant would offer complete sterilization, without harming other forms of life, be inexpensive, and non-corrosive.

The global soap and detergent market is expected to reach USD 207.56 billion by 2025. The industrial soaps & detergents are extensively used by the commercial laundries, hotels, restaurants, and healthcare providers. Increasing demand from healthcare and food industries will continue to drive the market. Aerosol and liquid products are the common disinfectants used in hospitals, although growing number of healthcare facilities are implementing ultraviolet disinfection systems as further measure. Increasing demand for disinfectants from water treatment and healthcare industries is fuelling growth of the global disinfectants market.

The major contents of the book are Liquid Soaps and Hand Wash, Liquid Soap and Detergents, Washing Soap: Laundry Soap Formulation, Antiseptic and Germicidal Liquid Soap, Manufacturing Process And Formulations Of Various Soaps, Handmade Soap, Detergent Soap, Liquid Detergent, Detergent Powder, Application and Formulae Of Detergents, Detergent Bar, Detergents Of Various Types, Formulating Liquid Detergents, Phenyl, Floor Cleaner, Toilet Cleaner, Mosquito Coils, Naphthalene Balls, Air Freshener (Odonil Type), Liquid Hand Wash and Soaps, Hand Sanitizer, Aerosols-Water and Oil Based Insecticide (Flies, Mosquitoes Insect and Cockroach Killer Spray), Ecomark Criteria for Soaps & Detergents, Plant Layout, Process Flow Chart and Diagram, Raw Material Suppliers List and Photographs of Machinery with Supplier's Contact Details.

This book will be a mile stone for its readers who are new to this sector, will also find useful for professionals, entrepreneurs, those studying and researching in this important area.

If you want a manufacturing business that sits at the heart of the global electronics boom, mono crystalline silicon wafers are hard to ignore. Every chip—whether it ends up in a smartphone, an EV power module, a data-centre server, or an industrial sensor—starts its life on a wafer. As countries push for supply-chain security and fabs expand capacity, wafers become a strategic, high-value “materials business” rather than just another commodity.

Market overview, size, and what’s driving demand

The semiconductor silicon wafer market is forecast to grow from about US\$ 14.6 billion (2025) to US\$ 20.2 billion by 2030 (around 6.7% CAGR). Demand isn’t rising because of one product category; it’s rising because the world is adding compute everywhere—AI accelerators, automotive electronics, industrial automation, IoT, telecom, and defence. A quiet but powerful trend underneath this is the sustained pull for 200 mm and 300 mm wafers, where capacity constraints and qualification cycles create sticky, long-term customer relationships.

Why startups should choose this business idea

- 1) **High entry barriers can be your moat.** Wafer manufacturing is process-intensive: crystal quality, oxygen/carbon control, flatness, micro-roughness, and defect density determine yield. Once you qualify with a customer, you’re not easily replaced.
- 2) **Policy tailwinds + localisation.** India is actively building a semiconductor ecosystem through national missions and incentives, signalling long-run policy support for upstream materials and manufacturing.
- 3) **Export potential is real once quality is proven.** Wafers are globally traded, and qualified suppliers can ship to device makers, foundries,

Mono Crystalline Silicon Wafers (99.9% Purity) from Semiconductor-Grade Ingots: A High-Conviction Manufacturing Play for Startups

MEMS fabs, and power-electronics players across Asia, Europe, and the Middle East—especially in segments like power devices, discrete semiconductors, sensors, and analog where qualification is achievable faster than bleeding-edge logic.

4) **Multiple product “lanes” reduce risk.** Startups can begin with prime wafers for power/MEMS, then expand into tighter specs, larger diameters, or specialty wafers (epi-ready, DSP/SSP, SOI supply partnerships).

A crucial clarity on “99.9% grade”

In the semiconductor world, “semiconductor-grade silicon” typically means very high purity (commonly described in ‘N’ levels, often far beyond 99.9%). High-purity silicon used in advanced applications is discussed in the 6N to 11N purity range in industry overviews.

So, position your product carefully: “≥99.9%” can be a baseline descriptor, but real

commercial success depends on meeting the electrical and surface specifications your target customers require.

Major players to benchmark (overseas + India ecosystem signals)

Global leaders commonly cited across industry lists include Shin-Etsu Chemical, SUMCO, GlobalWafers, Siltronic, and SK siltron. In India, large investments are beginning to appear in ingot/wafer capacity announcements (notably large-scale projects in the broader ingot/wafer space), reflecting the direction of travel for domestic manufacturing.

Bottom line for entrepreneurs

This is not a “quick win” business—but it can be a category-defining one. If your startup is prepared to invest in process control, clean manufacturing discipline, and customer qualification cycles, mono crystalline silicon wafers can become a durable, export-capable manufacturing asset aligned with the world’s fastest-growing technology supply chain.

well-positioned to capture substantial market share in this thriving industry. The time to enter this market is now, as India’s plywood industry continues its upward trajectory, creating sustained demand for quality printing inks for years to come.

PROJECT COST ESTIMATE	
CAPACITY	
Monocrystalline Silicon Wafer : 160 Kg. Per Day	
99.9% Grade	
Plant & Machinery	: ₹ 55 Crore
Cost of Project	: ₹ 91 Crore
Rate of Return	: 25%
Break Even Point	: 43%

Rice Husk Based Biodegradable Cutlery

The global biodegradable cutlery market size was accounted for USD 33.9 million, in 2018 and is projected to grow at a significant rate of CAGR of 5.9% during the forecast period, 2019 to 2025. The growing awareness about hazardous impacts of non-biodegradable waste is expected to positively affect the market growth. The government has formed strict regulations for banning non-biodegradable plastic. Supportive government initiatives along with growing consumer awareness about side effects of non-biodegradables are projected to boost the market growth. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE	
CAPACITY	
Biodegradable Cutlery : 1,852 Sets / Day	
(Per Set 9 Pcs. Flatware)	
Plant & Machinery	: ₹ 28 Lakhs
Cost of Project	: ₹ 142 Lakhs
Rate of Return	: 28%
Break Even Point	: 63%

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

Mob.: +91-9097075054 • 8800733955

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

NPK water soluble fertilizer sits right at the intersection of two big shifts in Indian agriculture: precision farming and high-value crops. As fertigation through drip systems expands and growers chase better yield, colour, size, and shelf life, fully soluble NPK grades (with micronutrients) are becoming a “must-have” input—especially for fruits, vegetables, floriculture, nurseries, protected cultivation, and export-oriented farms.

Why startups should seriously consider this manufacturing business

Unlike commodity fertilisers, water soluble NPK is a specialty, value-added product. Customers buy it for performance and consistency, not just price per kg. That creates room for brand-building, repeat demand, and premium positioning through crop-specific grades like 19:19:19, 20:20:20, 13:40:13, 00:52:34 (MKP blends), high-K flowering grades, and customised micronutrient packs.

The market tailwinds are strong. One India-focused estimate values the India water soluble fertilisers market at ~USD 425.36 million in 2024, projected to reach ~USD 651.79 million by 2030 (about 7.45% CAGR). On the global side, the broader water-soluble fertiliser market is also expanding, with one industry estimate pegging USD 18.3 billion in 2023 growing to USD 25.1 billion by 2028.

For entrepreneurs, the “startup logic” is simple:

- **Repeat buying cycle:** These products are used across crop stages; good results create loyalty.
- **Lower logistics pain vs bulk fertilisers:** Higher

**NPK Water Soluble Fertilizer:
A High-Growth Manufacturing
Opportunity for Modern Agriculture**

value per tonne improves unit economics.

- **Product differentiation is real:** Solubility, low sodium/chloride, anti-caking behaviour, particle size, and micronutrient compatibility matter—so quality becomes a moat.
- **Distribution is scalable:** Dealer network + institutional channel (greenhouses, integrators, FPOs) + online agri-input platforms.

Market trends shaping demand

1. Drip irrigation + fertigation adoption is pushing growers toward soluble grades for uniform nutrient delivery.
2. Protected cultivation, hydroponics, and high-density planting prefer clean, residue-free formulations.
3. India has also been working to reduce import dependence in specialty fertilisers—recent reporting notes progress toward indigenous water-soluble fertiliser technology to cut reliance on imports.
4. Trade flows show India still imports water-soluble fertilisers, with sources indicating significant import volumes from countries such as China and Israel.

Export potential

While “water-soluble NPK” is a subset, India’s overall fertiliser exports already go to multiple destinations—data highlights export markets such

as Nepal, the United States, Brazil, and Mozambique for fertilisers as a category. For a startup, export potential becomes realistic once you lock in consistent quality, compliant labeling, and batch traceability, and build a few

standard grades demanded in horticulture-heavy regions.

Major players (India and overseas)

In India, specialty and soluble fertilisers are supplied by organisations such as IFFCO (also listed among major water-soluble fertiliser companies in industry coverage). Internationally, well-known names in soluble fertilisers include Yara International, ICL Group, K+S, SQM, and Haifa Group (widely recognised for water-soluble product ranges).

Bottom line: NPK water soluble fertiliser manufacturing is attractive for startups because it is a growing specialty segment with clear demand drivers, real product differentiation, and scalable distribution—while still being grounded in a straightforward, controllable production process.

PROJECT COST ESTIMATE

CAPACITY :	
NPK WSF (15:30+2MgO+TE)	: 12 MT Per Day
NPK WSF (00:09:46+TE)	: 12 MT Per Day
NPK WSF (00:42:47+TE)	: 12 MT Per Day
Plant & Machinery	: ₹ 112 Lakhs
Cost of Project	: ₹ 382 Lakhs
Rate of Return	: 33%
Break Even Point	: 70%

Most of the steel generally in civil and allied work used is the plain carbon and mild steel and the largest portion of carbon steels used, has tensile strengths not greater than 36 to 40 t/in². The carbon content in the steel predominantly governs the steel properties. 0.40% carbon steel is of great importance due to its being economical to meet general requirement and having reasonably high strength and other properties, like yield point, elongation and reduction percentages etc.

Steel products in the forms of strip coils, sheets, plates, wires, rods, bars & sections are mostly used in industrial products. Earlier wires and rods were manufactured by reducing ingots/billets/bars in steel mills by heating and rolling of the stock. But, the modern advancements of technologies have given continuous casting of rods as an economical method. Steel scraps of melting grades are taken as the raw material. Either Electric Arc Furnaces (EAF) or Electric Induction Melting furnaces are commonly used for melting for a pollution-free operation.

The long steel market size is estimated to be USD 527.0 billion in 2020 and projected to reach USD 636.7 billion by 2025, at a

**Steel Billets and
TMT Steel Bars (Rebar)
from Scrap Metal**

CAGR of 3.9% from 2020 to 2025. Increasing construction and infrastructure activities, rising population levels, and industrialization are the major factors responsible for the growth of the long steel market. However, the recent outbreak of Covid-19 is expected to have a severe impact on the long steel market.

TMT steel bars refer to thermo mechanically treated bars. TMT steel bars are steel bars with

enhanced strength and highly ductile and malleable in nature. They are widely used for earthquake resistant buildings and bridge construction projects. Companies operating in the global TMT steel bar market are adopting strategies such as mergers, acquisitions, and new product launches that maximize their market share. The rising global construction industry boosts the growth of the TMT steel bar market. Infrastructural development across the globe drives the growth of the TMT steel bar market. Various advantages of TMT steel bars over tensional bars contribute to the growth of the TMT steel bar market. The expansion of modern architecture propels the growth of the TMT steel bar market.

Furthermore, the growing demand for low-cost reinforcement bars stimulates the growth of the TMT steel bar market. On the flip side, technical constraints with respect to higher grade TMT bars hinder the growth of the TMT steel bar market. Moreover, technological innovations in the construction industry create novel opportunities for the growth of the TMT steel bar market. This facilitates the development of new technologies and ensures a high quality product.

PROJECT COST ESTIMATE

CAPACITY :	
Steel Billets (Size 100mm x 100mm to 180mm x 180 mm)	: 333.3 MT / Day
Sections of Max. 6 meter length)	
TMT Steel Bars (Rebar) Size DB 8 to 40 mm	: 333.3 MT / Day
Plant & Machinery	: ₹ 8427 Lakhs
Cost of Project	: ₹ 16747 Lakhs
Rate of Return	: 29%
Break Even Point	: 47%

Mahua (from the flowers of *Madhuca longifolia*) has lived for centuries in India's forest belts as a community drink—warm, aromatic, and deeply tied to tribal culture. What's changing now is the way Mahua is being positioned: not as "country liquor," but as a craft, origin-led Indian spirit that can sit confidently on premium shelves, cocktail menus, and eventually, export catalogues. National Geographic has already described Mahua's comeback as being driven by shifting regulations and a growing bar-led curiosity around indigenous spirits.

For startups, Mahua liquor is not just another distillery idea—it's a brand story + supply-chain opportunity + premiumisation wave rolled into one.

Market overview: where Mahua fits

India remains one of the most attractive growth markets for alcoholic beverages. Reuters reported India is projected to reach about \$61.35 billion in alcohol sales in FY 2025–26, underscoring the size of the opportunity. At the same time, industry data shows India is still expanding even when parts of the world are slowing—IWSR figures for 2024 point to growth in both volume and value.

This is exactly the environment where niche categories like Mahua can win: consumers are trading

Liquor from Mahua Flower: A Heritage Spirit with Modern Startup Potential

up, experimenting with cocktails, and paying for authenticity. The rise of "local heritage alcohol"—including Mahua and feni—is being actively discussed in India's premium spirits conversation.

Why startups should invest in Mahua liquor

1) You're not competing head-on with mass whisky. Mahua is differentiated by raw material, provenance, and narrative. That makes it easier to justify premium pricing if the product is clean, consistent, and well-designed.

2) Strong raw material base in India. Mahua flower availability is concentrated in central and eastern India, and multiple reports point to large

production potential—meaning a startup can build ethical procurement models with forest communities and SHGs.

3) Policy and tourism tailwinds. Madhya Pradesh has formally promoted Mahua as

a heritage liquor and enabled products like Mond to enter the market. Tourism-linked channels (state tourism corporations, select outlets, premium bars) can become a practical go-to-market route for a well-branded craft Mahua.

4) Export and travel-retail potential. India travel retail volumes have shown strong momentum, with spirits growth noted in 2024—this matters because airports and duty-free often act as a "global discovery shelf" for origin spirits. For exports,

Mahua's best early audiences are the Indian diaspora, craft-spirit buyers looking for new botanicals, and "heritage" storytelling markets.

Major players to know (India + overseas)

India / Mahua-focused: DesmondJi (DJ Mahua), Six Brothers Mahura, and MP-backed Mond are among the most visible names shaping the modern Mahua category.

Overseas/global spirits giants (competitive landscape & potential partners/distributors): Diageo, Pernod Ricard, Bacardi, Beam Suntory, Brown-Forman are consistently cited among major global spirits players.

The startup takeaway

Mahua liquor rewards founders who treat it like a craft spirit business, not a commodity: stable sourcing, fermentation control, clean distillation cuts, compliant bottling, and a brand that respects its roots while speaking the language of modern premium spirits. Done right, it can become a scalable "Made in India" heritage label with strong domestic margins—and a credible export story.

PROJECT COST ESTIMATE	
CAPACITY:	
Liquor (750 ml Size)	: 1,200 Bottles Per Day
Liquor (180 ml Size)	: 3,333 Bottles Per Day
Plant & Machinery	: ₹ 281 Lakhs
Cost of Project	: ₹ 933 Lakhs
Rate of Return	: 29%
Break Even Point	: 47%

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

Benefit of Starting This Business

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

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

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

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

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

Global Market Outlook

According to reports, the global Soya Nugget market is expected to grow at a CAGR of over 10% during the forecast period of 2021-

2026. Similarly, the tea packaging industry is also expected to experience growth, with the global tea market expected to reach \$81.6 billion by 2026. Tea has become increasingly popular due to its numerous health bene-

fits, and the convenience of tea bags has made it an easy choice for people on the go. The global turmeric market is expected to grow at a CAGR of 5.8% during the forecast period of 2021-2026, driven by increasing demand for natural remedies and supplements. Finally, the

jam market is also expected to see growth, driven by increased demand for healthy and organic alternatives. According to reports, the global jam market is expected to reach \$9.8 billion by 2025, with Asia Pacific being the fastest-growing market. As such, there are significant opportunities for entrepreneurs and businesses looking to invest in these sectors and take advantage of the growing demand and changing consumer preferences.

Conclusion

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

PROJECT COST ESTIMATE	
CAPACITY:	
Silica	: 15,120 MT Per Annum
Activated Carbon (by product)	: 1,728 MT Per Annum
Sodium Carbonate (by product)	: 2,592 MT Per Annum
Plant & Machinery	: ₹ 2995 Lakhs
Cost of Project	: ₹ 4716 Lakhs
Rate of Return	: 28 %
Break Even Point	: 50 %

A well-planned beer plant is no longer a “big-corporate-only” business. With changing consumer preferences, premiumisation, expanding on-trade channels (hotels, pubs, taprooms), and growing acceptance of differentiated flavours and packaging, brewing is becoming a practical, brand-led manufacturing opportunity—especially for startups that can build a sharp identity and execute consistently.

Market opportunity: strong demand, premium tailwinds

Beer remains one of the most widely consumed alcoholic beverages globally, and the overall market continues to expand. Recent industry estimates place the global beer market at about USD 851.15 billion in 2024, with further growth expected in the coming years.

In India, demand is being pushed by a young adult demographic, urbanisation, rising disposable income, and social consumption occasions. A widely cited estimate pegs the India beer market at around INR 444.6 billion in 2024, with a steady long-term growth trajectory.

What makes this attractive for startups is not just volume growth—it’s the shift in mix: consumers are increasingly willing to pay more for premium lagers, wheat beers, craft styles, low/zero variants, and convenient formats like cans and draught/keg where regulation allows, giving new brands room to position above the crowded “mass strong beer” segment.

Why startups should consider a beer plant

Beer Plant: A Scalable Manufacturing Venture for Modern Entrepreneurs

- 1) Brand-led manufacturing with repeat purchase economics :** Beer is a “habit + occasion” product. If quality is consistent and distribution is reliable, it becomes a repeat category—ideal for building predictable cash flows.
- 2) Multiple go-to-market models:** A startup can begin with a smaller plant, target one or two states, sell through select outlets, taprooms, and modern trade (as permitted), and scale via contract brewing or additional capacity.
- 3) Clear differentiation levers:** Recipes, yeast profiles, bitterness (IBU), malt character, freshness, local ingredients, packaging design, and serving format (bottle/can/keg) give you many ways to stand out—without changing the core process.

Export potential: an added growth lever

While India’s beer exports are smaller compared to major brewing nations, export momentum is improving for alcoholic beverages overall.

Official export dashboards and trade commentary highlight growing focus on overseas markets such as the UAE and Singapore, among others.

Also, Indian leaders like United Breweries (Kingfisher) highlight availability across 60+ countries, showing that Indian beer brands can travel when quality, labels, and compliance are handled well.

Major players (India and overseas)

India: United Breweries (Kingfisher), AB InBev India, Carlsberg India, Bira 91 (B9 Beverages), Simba (Sona Beverages), Som Distilleries (Hunter).

Overseas: AB InBev, Heineken, Carlsberg, Molson Coors, China Resources Snow.

The bottom line

A beer plant rewards entrepreneurs who treat it as precision manufacturing + brand-building + compliance-led distribution. If you start with a focused product range, tight QC, and a realistic state-wise sales strategy, brewing can become a scalable, premium-leaning business with strong room for expansion—domestically first, and exports as the next leg.

PROJECT COST ESTIMATE

CAPACITY:	
<i>Beer (Bottle Size 650ml)</i>	: 21,538 Nos Per Day
<i>Beer (Can Size 500ml)</i>	: 12,000 Nos Per Day
Plant & Machinery	: ₹ 32 Crore
Cost of Project	: ₹ 54 Crore
Rate of Return	: 30%
Break Even Point	: 38%

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

- **Construction Materials:** Silica from rice husk ash can be used as an additive in cement and concrete. It acts as a pozzolan, which improves

Silica from Rice Husk Ash

the strength and durability of these materials.

- **Water Treatment:** Silica is used as a coagulant in water treatment plants. It helps to remove impurities and improve the clarity of water.
- **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,

PROJECT COST ESTIMATE

CAPACITY:	
<i>Silica</i>	: 15,120 MT Per Annum
<i>Activated Carbon (by product)</i>	: 1,728 MT Per Annum
<i>Sodium Carbonate (by product)</i>	: 2,592 MT Per Annum
Plant & Machinery	: ₹ 2995 Lakhs
Cost of Project	: ₹ 4716 Lakhs
Rate of Return	: 28 %
Break Even Point	: 50 %

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.

H DPE (High-Density Polyethylene) pipes have quietly become the backbone of modern water supply, irrigation, gas distribution, industrial flow lines, and underground infrastructure. For a startup, this is one of those rare manufacturing ideas where demand is not "created" by marketing—it is pulled by policy-driven projects, replacement of old networks, and the simple need to move water safely and efficiently across cities, villages, farms, and factories.

HDPE Pipes Manufacturing: A Commercially Viable Manufacturing Venture

Why entrepreneurs are choosing HDPE pipes now

India's HDPE pipes market was valued at about USD 689.7 million in 2024 and is projected to keep expanding in the coming years. Globally, HDPE pipes are also on a strong growth curve, supported by urban infrastructure upgrades and new builds—one estimate places the global market at USD 21.54 billion in 2024 with steady growth ahead.

What makes this business especially attractive for startups is the combination of:

- **Repeat demand** (water networks, agri lines, drainage, industrial users keep expanding and replacing lines)
- **Standardised product categories** (PE80/PE100 grades, standard diameters, pressure classes)
- **Distribution-friendly economics** (dealers, project suppliers, and institutional procurement channels)
- **Value addition through quality** (consistent

wall thickness, strong joints, BIS compliance, traceability markings)

Market drivers, trends, and opportunity pockets

A major growth engine in India is government-led drinking water infrastructure. Jal Jeevan Mission (JJM) has been a large nationwide push to expand tap water supply, which directly increases demand for reliable pipe systems.

Key trends shaping the sector:

- **Shift toward long-life piping:** HDPE's corrosion resistance and flexibility make it preferred in difficult soil conditions and underground installations.
- **Higher-grade adoption (PE100 / improved compounds)** for better pressure performance and material efficiency.
- **Wider acceptance in industrial and utility networks** (chemical handling, effluent lines, cable protection ducts).

• **Export potential:** Neighbouring and emerging markets in Asia and Africa are investing heavily in water and irrigation systems; Indian manufacturers with consistent quality and certifications can compete well on price-to-performance.

Major players to know (India + global)

Indian manufacturers (examples):

Supreme Industries, Jain Irrigation Systems, Astral, Prince Pipes, Finolex Industries, Ashirvad (Aliaxis group).

Overseas names (examples): JM Eagle, China

Lesso, Georg Fischer (GF Piping Systems), Aliaxis, WL Plastics.

The startup edge

HDPE pipes reward discipline: consistent quality, strong dealer network, and project-readiness (documentation, testing, certifications). If you build around reliability—tight tolerances, traceable batches, and dependable supply—you're not just selling pipes. You're selling assurance to contractors, government suppliers, irrigation dealers, and industrial buyers who cannot afford failures underground.

PROJECT COST ESTIMATE CAPACITY

HDPE Pipes (20-110mm)	: 60 MT Per Day
Plant & Machinery	: ₹ 83 Lakhs
Rate of Return	: 31%
Break Even Point	: 57%

Start Lithium Ion Battery (Battery Assembly) Manufacturing Plant

A lithium ion battery (Battery Assembly) is a rechargeable battery that is typically used in portable electronic devices such as cell phones, laptops, and tablets. Lithium ion batteries have become increasingly popular due to their high energy density, long life cycle, and low self-discharge rate.

Opportunity for Lithium Ion Battery Start-ups

The increasing demand for energy storage solutions in the industrial, automotive, and consumer sectors have made lithium ion batteries a promising business opportunity.

Indian Market Outlook

The India lithium-ion Battery Market was valued at US\$ 1.91 Bn. in 2021 and is estimated to reach a value of US\$ 5.2 Bn. in 2029. The Global India lithium-ion Battery Market size is

estimated to grow at a CAGR of 15.3% over the forecast period.

Global Market Outlook

The global lithium-ion battery market size was valued at USD 41.97 billion in 2021 and is expected to expand at a compound annual growth rate (CAGR) of 18.1% from 2022 to 2030.

Conclusion

The lithium ion battery (Battery Assembly) industry is an ever-evolving one that offers exciting opportunities for Startups and established companies alike. With advances in technology and manufacturing, these batteries are becoming increasingly popular as an energy source. They offer an efficient and cost-effective way to store and use energy, making them a great option for many applications. Overall the lithium ion battery industry has a bright future.

PROJECT COST ESTIMATE

CAPACITY:	
48 Volt, 60 AH Lithium-Ion Battery Pack	: 500 Nos. Per Annum
48 Volt, 80 AH Lithium-Ion Battery Pack	: 400 Nos. Per Annum
48 Volt, 100 AH Lithium-Ion Battery Pack	: 400 Nos. Per Annum
60 Volt, 20 AH Lithium-Ion Battery Pack	: 400 Nos. Per Annum
60 Volt, 30 AH Lithium-Ion Battery Pack	: 400 Nos. Per Annum
72 Volt, 20 AH Lithium-Ion Battery Pack	: 400 Nos. Per Annum
72 Volt, 40 AH Lithium-Ion Battery Pack	: 400 Nos. Per Annum
12.8 Volt, 8 AH Lithium-Ion Battery Pack	: 400 Nos. Per Annum
12.8 Volt, 12 AH Lithium-Ion Battery Pack	: 400 Nos. Per Annum
12.8 Volt, 20 AH Lithium-Ion Battery Pack	: 400 Nos. Per Annum
12.8 Volt, 30 AH Lithium-Ion Battery Pack	: 400 Nos. Per Annum
Plant & Machinery	: ₹ 86 Lakhs
Cost of Project	: ₹ 516 Lakhs
Rate of Return	: 27 %
Break Even Point	: 60 %

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

Mob.: +91-9097075054 • 8800733955

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

Industrial construction is shifting toward speed, repeatability, and predictable quality. Warehouses, logistics parks, solar and power projects, process plants, data centres, metro/rail depots, and EPC-led industrial expansions are increasingly demanding factory-fabricated, shop-painted, and pre-assembled steel structures that can be installed quickly at site with minimal rework. That demand is exactly why a Fabrication & Painting unit with a Pre-Assembly Line (trial-fit bays + modular sub-assemblies) is a strong, startup-friendly manufacturing play—provided you run it like a production system, not a job shop.

Fabrication & Painting of Industrial Steel Structures with a Pre-Assembly Line: Future-Ready Manufacturing Project for Investors

In India's industrial steel building and fabrication ecosystem, common references include Larsen & Toubro (fabrication capability for core sectors) and JSW Severfield Structures (large structural steel fabricator JV), alongside PEB-focused manufacturers such as Kirby Building Systems, Pennar (PEBS), Tata BlueScope, Interarch, and Zamil Steel (brand presence across industrial building packages).

Overseas benchmarks include Severfield (UK structural steel major) and Nucor Building Systems (metal building systems, North America), while global protective coating leaders often specified in projects include AkzoNobel, PPG, Sherwin-Williams, and Jotun (frequently referenced in industrial coating specifications).

Bottom line: A fabrication + painting unit with a disciplined pre-assembly line can scale from local industrial jobs to EPC vendor registrations and export-linked supply chains—because it competes on what project owners pay for most: speed, documented quality, and reliable installation at site.

Why startups should invest in this segment

- 1. Large and expanding addressable market in India:** India's structural steel fabrication market is estimated around USD 8.31 billion (2025) and projected to reach USD 12.03 billion by 2030 (~7.67% CAGR), driven by infrastructure, industrial capex, and faster-build preferences.
- 2. Painting/protective coatings are not "optional" anymore:** Corrosion protection is a compliance and lifecycle-cost decision. Globally, protective coatings are forecast around USD 16.04 billion (2024) to USD 28.12 billion (2032), reflecting sustained demand for durable coating systems on steel assets.
- 3. Export tailwinds and vendor diversification:** Steel movement and trade dynamics are changing fast. India's finished steel exports rose 33.3% (Apr–Dec) to 4.8 million tonnes on provisional government data, showing improving export momentum and supply-chain opportunity for downstream players too.

4. Pre-assembly is a margin lever: A pre-assembly line (trial erection, match-drilling, fit-up verification) reduces site errors, delays, and penalties. It helps you sell outcomes—speed of installation, lower snag lists, and predictable fit—not just tonnes fabricated.

Market trends shaping demand

- **PEB/structural hybrid buildings** for warehouses, FMCG, pharma, and cold-chain.
- **Renewable energy and grid infrastructure** (support structures, platforms, pipe racks, walkways).
- **Quality documentation becoming standard:** MTC traceability, WPS/PQR, NDT reports, DFT logs, coating batch records, and calibrated inspection tools.
- **Higher-performance coating stacks** (zinc-rich primers + epoxy intermediates + polyurethane topcoats; or galvanizing + duplex paint systems) to meet aggressive service environments.

Major players (benchmarks to study)

PROJECT COST ESTIMATE

CAPACITY:

PEB Components (T Beam & H Beam)	: 20 MT Per Day
Crash Barrier	: 20 MT Per Day
Transmission Tower	: 20 MT Per Day
Steel Gates, Grills & Railings	: 20 MT Per Day
Plant & Machinery	: ₹ 15 Crore
Cost of Project	: ₹ 46 Crore
Rate of Return	: 25%
Break Even Point	: 53%

Moringa Oleifera is the most widely cultivated species of the genus Moringa, which is the only genus in the family Moringaceae. English common names include: moringa, drumstick tree (from the appearance of the long, slender, triangular seed-pods), horseradish tree (from the taste of the roots, which resembles horseradish), ben oil tree, or benzoi 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,

Moringa Oleifera (Drumstick) Powder

PROJECT COST ESTIMATE

CAPACITY

Drumstick (Moringa Oleifera) Powder	: 400 Kgs / Day
Plant & Machinery	: ₹ 31 Lakhs
Cost of Project	: ₹ 71 Lakhs
Rate of Return	: 29%
Break Even Point	: 71%

Cambodia and Haiti. Today, the moringa market globally is estimated at more than Rs 27,000 crore, which is expected to 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 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.

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

Mob.: +91-9097075054 • 8800733955

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

NAME OF BOOKS ₹

CHEMICALS, FINE CHEMICALS, VITAMINS, AMINO ACIDS AND PROTEINS

- Handbook on Chemical Industries (Alcohol Based) 750 /-
- Industrial Chemicals Technology Handbook 1100/-
- The Complete Technology Book on Chemical Industries..... 975/-
- 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/-
- Handbook on Fine Chemicals, Vitamins, Amino Acids And Proteins 1450/-
- The Complete Book on Non Ferrous and Precious Metals with Electroplating Chemicals..... 1975/-
- Modern Technology of Industrial Chemicals 1100/-
- The Complete Technology Book on Fine Chemicals 1100/-

PHARMACEUTICAL, DRUGS, API

- Drugs & Pharmaceutical Technology Handbook 1075/-
- Business Ideas for Startup in Drugs & Pharmaceutical Industry with Project Profiles (L-Ascorbic Acid (Plain), Pharmaceutical Unit, Ciprofloxacin Hydrochloride, Paracetamol, Paracetamol (BP/IP/USP Grade), Sterile Water for Injection, Active Pharma Ingredients Metformin and Ciprofloxacin, IV Fluid (BFS Technology) 3rd Edition # 2595/-
- 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/-

PESTICIDES, INSECTICIDES

- The Complete Technology Book on Pesticides, Insecticides, Fungicides and Herbicides (Agrochemicals) with Formulae, Manufacturing Process, Machinery & Equipment Details (4th Rev. Edn.) 1975/-
- Biopesticides Handbook 1575/-

STARCH & ITS DERIVATIVES

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

WAX & POLISHES

- The Complete Technology Book on Wax and Polishes 1895/-
- Wax Polishes Manufacturing Handbook with Process and Formulae (Automobile, Industrial, Leather, Furniture, Floor, Marine, Metal and Shoe Polish) 2nd Rev. Edn. 1875/-

JUTE & COIR PRODUCTS

- The Complete Book on Jute & Coir Products (With Cultivation & Processing) 2nd Rev. Edn. 1575/-

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

- Bio -Technology Handbook 1100/-
- Plant Biotechnology Handbook 1100/-
- Hand Book on Projects in Export Thrust Area with International Market Survey (Bio-Tech & Pharmaceutical Technology) # 1095/-
- Enzymes Bio -Technology Handbook..... 1100/-
- The Complete Book on Biotechnology Based Bulk Drugs 1050/-
- Handbook on Food Bio-Technology (Extraction, Processing of Fruits, Vegetables and Food Products) 2nd Revised Edition..... 1495/-
- Handbook on Plants and Cell Tissue Culture 1275/-
- The Complete Technology Book on Vermiculture and Vermicompost (Earthworm) with Manufacturing Process, Machinery Equipment Details & Plant Layout (3rd Edn.) 1475/-
- 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) (4th Revised Edition) 1995/-
- Handbook on Mushroom Cultivation and Processing (With Dehydration, Preservation and Canning) 1275/-
- The Complete Book on Organic Farming and Production of Organic Compost (3rd. Rev. Edn.)..... 1675/-
- Nanotechnology Handbook 1675/-
- Nanoscience and Nanotechnology Handbook..... 1675/-
- Integrated Organic Farming Handbook 1275/-
- Handbook on Organic Farming and Processing 1275/-
- Handbook on Small & Medium Scale Industries (Biotechnology Products) 1695/-
- Manufacture of Biofertilizer and Organic Farming (2nd Edn.) 1195/-

Limited Edition—only photostat copy available

NAME OF BOOKS ₹

- The Complete Book on Industrial Gases (Acetylene, Argon, Butane, Butene, Carbon Dioxide, Carbon Monoxide, Ethane, Ethene, Helium, Hydrogen Chloride, Hydrogen, Krypton, Liquefied Natural Gas (LNG), Methane, Neon, Nitrogen, Nitrogen Trifluoride Gas, Nitrous Oxide, Oxygen, Ozon, Propane, Propene, Refrigerant Gases, Sulphur Dioxide Gas, Sulphur Hexafluoride Gas, Xenon, Gas Mixtures with Machinery Equipment Details and Factory 2495/-
- Biogas and Compressed Biogas (CBG) Production Handbook (From Waste & Renewable Resources) 1775/-

FERTILIZER, BIOFUEL

- 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/-
- 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/-

BIOPLASTIC, BIODEGRADABLE

- 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/-
- Handbook on Biodegradable Plastics (Eco-Friendly Plastics) 600/-

PRINTING, PACKAGING, PRINTING INK

- Handbook on Modern Packaging Industries (2nd Rev. Edn.) 1675/-
- Modern Technology of Printing & Writing Inks (2nd Rev. Edn.) 1475/-
- The Complete Technology Book on Printing Inks 1000/-
- Handbook on Printing Technology (Offset, Flexo, Gravure, Digital, 3D Printing with Book Binding & CTP) (6th Revised Edition) 2475/-
- Screen Printing Technology Handbook 1000/-
- The Complete Book on Printing Technology with Process Flow Diagrams, Plant Layouts and Machinery Details (Offset, Gravure, Flexographic, Security, Web Offset and Pad Printing) 3rd Rev. Edn. 1895/-

PAPER, PULP & PAPER CONVERSION

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

VEGETABLES, SPICES, AGRO BASED, CEREAL FOOD, MILK, PLANTATION, FARMING, FOOD & BEVERAGES, FRUITS, DAIRY, OILS & FATS, FISHERIES, MEAT, COCONUTS, SUGARCANE, TEA CULTIVATION & PROCESSING

- Cultivation of Fruits, Vegetables and Floriculture..... 1100/-
- Cultivation of Tropical, Subtropical, Vegetables, Spices, Medicinal and Aromatic Plants 1075/-
- Tropical, Subtropical Fruits and Flowers Cultivation 1075/-
- 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) 4th Rev.Edn. 1995/-
- Modern Technology on Food Preservation (2nd Rev. Edn.)..... 1275/-
- 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/-
- Modern Technology of Agro Processing & Agricultural Waste Products..... 975/-
- Handbook on Agro Based Industries (Garlic Oil and Powder, Biomass Briquettes from Bio Waste, Moringa Oleifera (Drumstick) Powder, Dehydrated Onion, Aloe Vera Gel and Powder, Cashew Nut Shell Oil and Cardanol, Rice Powder, Puttu and Wheat Powder, Fructose Syrup from Broken Rice, Potato Powder, Granules and Pellets, Rice Flakes and Puffed Rice, Cashew Nut Processing Unit, Banana, Onion, Orange and Tomato Powder & Disposable Plate and Cups from Waste Rice Husk Powder) 3rd Edition # 1775/-
- Handbook on Spices 975/-
- Modern Technology of Oils, Fats & Its Derivatives (2nd Rev. Edn.) 1875/-
- 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/-
- Modern Technology of Milk Processing & Dairy Products (4th Rev. Edn.) 1475/-
- The Complete Technology Book on Dairy & Poultry Industries with Farming & Processing (2nd Rev. Edn.) 1275/-
- Handbook on Drying, Milling and Production of Cereal Foods (Wheat, Rice, Corn, Oat, Barley and Sorghum Processing Technology) (2nd. Rev. Edn.) 1295/-
- The Complete Book on Spices & Condiments (With Cultivation, Processing & Uses) (2nd Rev. Edn.) 2275/-

NAME OF BOOKS

₹

- 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) 3rd Rev. Edition 2375/-
- Rabbit, Goat, Sheep, Poultry, Fish and Pig Farming with Feed Technology 1100/-
- The Complete Technology Book on Processing, Dehydration, Canning, Preservation of Fruits & Vegetables (Processed Food Industries) (5th Rev. Edn.) 1950/-
- Handbook on Fruits, Vegetable & Food Processing with Canning & Preservation (3rd Rev. Edn.) 1475/-
- Handbook on Fisheries and Aquaculture Technology 1100/-
- The Complete Book on Meat Processing and Preservation with Packaging Technology 1275/-
- Preservation of Meat and Poultry Products (Preservation Techniques, Luncheon Meats, Meat Loaves, Meat Spreads, Canned Meat Products, Maintenance of Eggs, Soups, Gravies, Sauces, Sausage with Machinery, Equipment Details & Factory Layout) 1575/-
- The Complete Technology Book on Meat, Poultry and Fish Processing (2nd Revised Edition) 1475/-
- Potato and Potato Products Cultivation, Seed Production, Manuring, Harvesting, Organic Farming, Storage and Processing 1275/-
- Handbook on Rice Cultivation and Processing 1075/-
- The Complete Book on Beekeeping and Honey Processing (2nd Rev. Edn.) 1475/-
- Handbook on Citrus Fruits Cultivation and Oil Extraction 1575/-
- Fruits, Vegetables, Corn and Oilseeds Processing Handbook 1675/-
- Handbook on Spices and Condiments (Cultivation, Processing and Extraction) 1575/-
- Handbook on Fermented Foods and Chemicals 1875/-
- Handbook on Milk and Milk Proteins 1275/-
- The Complete Book on Cultivation and Manufacture of Tea (2nd Rev. Edn.) 1625/-
- The Complete Book on Sugarcane Processing and By-Products of Molasses (with Analysis of Sugar, Syrup and Molasses) 1675/-
- The Complete Book on Fruits, Vegetables and Food Processing 1675/-
- The Complete Book on Cashew (Cultivation, Processing & By-Products) 1775/-
- The Complete Book on Tomato & Tomato Products Manufacturing (Cultivation & Processing) 2nd. Rev. Edn. 1400/-
- The Complete Book on Onion & Garlic Cultivation with Processing (Production of Onion Paste, Flakes, Powder & Garlic Paste, Powder, Flakes, Oil) 2nd Revised Edition 1575/-
- Handbook on Pig Farming and Pork Processing (Feeding Management, Breeding, Housing Management, Sausages, Bacon, Cooked Ham with Packaging) 2nd Rev. Edn. 1275/-
- Handbook on Manufacture of Indian Kitchen Spices (Masala Powder) with Formulations, Processes and Machinery Details (Chaat Masala, Sambar Masala, Pav Bhaji Masala, Garam Masala, Goda Masala, Pani Puri Masala, Kitchen King Masala, Thandai Masala Powder, Meat Masala, Rasam Powder, Kesari Milk Masala, Punjabi Chole Masala, Shahi Biryani Masala, Tea Masala Powder, Jaljeera Masala, Tandoori Masala, Fish Curry Masala, Chicken Masala, Pickle Masala, Curry Powder) (6th Rev. Edn.) 1995/-
- 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/-
- 55 Most Profitable Micro, Small, Medium Scale Food Processing (Processed Food) Projects and Agriculture Based Business Ideas for Startup (2nd Revised Edition) 1495/-
- 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/-
- फूड प्रोसेसिंग इंडस्ट्रीज (खाद्य प्रसंस्करण एवं कृषि आधारित उद्योग परियोजनाएँ) 2nd Rev. Edn. 1475/-
- 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/-
- The Complete Book on Gums and Stabilizers for Food Industry 1275/-
- 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) 2495/-
- Handbook on Spices, Seasonings and Condiments - Processing, Extraction with Kitchen Spices Manufacturing 2595/-

Limited Edition—only photostat copy available

NAME OF BOOKS

₹

- Handbook on Meat Products Manufacturing (Processing, Preservation and Packaging) 2195/-

CONFECTIONERY, COCOA, CHOCOLATE, ICE CREAM, BAKERY & SNACKS

- Modern Technology of Confectionery Industries with Formulae & Processes (2nd Rev. Ed.) 600/-
- The Complete Technology Book of Cocoa, Chocolate, Ice Cream and Other Milk Products 1275/-
- The Complete Technology Book on Flavoured Ice Cream (Manufacturing Process, Flavours, Formulations with Machinery Details) 2nd Revised Edition 1475/-
- The Complete Technology Book on Bakery Products (Baking Science with Formulation & Production (5th Rev. Edition) 1875/-
- The Complete Technology Book on Snack Foods (2nd Rev. Edn.) 1475/-
- Confectionery Products Handbook (Chocolate, Toffees, Chewing Gum & Sugar Free Confectionery) 1975/-
- Handbook on Natural and Flavoured Ice Cream Manufacturing (Flavours, Formulae and Machinery Details) 1575/-

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/-
- What No One Ever Tells You About Starting Your Business—Facilities and Procedures for Entrepreneurs 400/-
- Secrets for Making Big Profits from Your Business with Export Guidelines 400/-
- Opportunities for Women Entrepreneurship (With Project Profiles) 2nd Edition 575/-
- लघु व कुटीर उद्योग (स्मॉल स्केल इण्डस्ट्रीज) (5th Revised Edition) 1150/-
- Profitable Small, Cottage & Home Industries 800/-
- Select and Start Your Own Industry (4th Revised Edition) 475/-
- Just For Starters : How To Start Your Own Export Business ? 6th Revised Edition 999/-
- Just For Starters : How To Become A Successful Businessman ? 3rd Revised Edition 475/-
- Best Businesses You Can Start With Low Cost (2nd Rev. Edition) 750/-
- 50 Projects To Start With 5,00,000 475/-
- Just For Starters: Selected Projects To Start With 30,00,000 475/-
- Just For Starters: Selected Projects To Start With 15,00,000 475/-
- Just For Starters : Selected Projects To Start With 35,00,000 475/-
- Grow Rich By Starting Your Own Business 325/-
- 50 Best Home Businesses To Start with Just 50,000 425/-
- Profitable Cottage and Tiny Industries 475/-
- Money Making Business Ideas You Can Start from Home with Low Costs (Profitable Part Time, Spare Time and Side Businesses) 2nd Revised Edition 800/-
- स्मॉल स्केल इण्डस्ट्रीज प्रोजेक्ट्स (लघु, कुटीर व घरेलू उद्योग परियोजनाएँ उद्यमिता मार्गदर्शिका) 2nd Rev. Edn. 950/-
- Start-Up Projects for Entrepreneurs : 50 Highly Profitable Small & Medium Industries—2nd Rev. Edn. 1700/-
- Entrepreneurs Start-Up Handbook: Manufacturing of Profitable Household (FMCG) Products with Process & Formulations (2nd Rev. Edition) 1675/-
- Profitable Small Scale Industries Money making Business Ideas for Startup (when you don't know what industry to start) 975/-

FASHION TECHNOLOGY

- Fashion Technology Handbook 495/-

CANDLE: MAKING & DESIGNS

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

PLASTICS, SPECIALITY PLASTICS, FOAMS (URETHANE, FLEXIBLE, RIGID), PET & PREFORM, 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/-
- Detailed Project Profiles on Hi-Tech Plastic Products (2nd Rev. Edn.)# 1895/-
- 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/-
- Polymers and Plastics Technology Handbook 750/-
- The Complete Book on Medical Plastics 975/-
- The Complete Technology Book on Expanded Plastics, Polyurethane, Polyamide and Polyester Fibers 1275/-
- The Complete Technology Book on Industrial Polymers, Additives, Colourants and Fillers 1100/-
- The Complete Technology Book on Polymers (With Processing & Applications) 1100/-

NAME OF BOOKS

₹

- The Complete Technology Book on Plastic Extrusion, Moulding and Mould Designs (2nd Rev. Edn.) 1475/-
- The Complete Technology Book on Fibre Glass, Optical Glass and Reinforced Plastics.....1275/-
- The Complete Technology Book on Plastic Films, HDPE and Thermoset Plastics.....1175/-
- Modern Technology of Plastic and Polymer Processing Industries.....750/-
- The Complete Book on Water Soluble Polymers1575/-
- Speciality Plastics, Foams (Urethane, Flexible, Rigid) Pet & Preform Processing Technology Handbook.....1275/-

LEATHER PROCESSING & TANNING

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

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 (4th Rev. Edn.)1875/-
- The Complete Technology Book on Textile Processing with Effluent Treatment.....1000/-
- Modern Technology of Textile Dyes & Pigments (3rd Rev. Edn.)2575/-
- The Complete Technology Book on Dyes and Dye Intermediates (2nd Rev. Edn.)1995/-
- The Complete Book on Natural Dyes & Pigments.....1100/-
- Handbook on Natural Dyes for Industrial Applications (Extraction of Dyestuff from flowers, Leaves, Vegetables) 2nd Rev. Edn.....1575/-
- Natural Fibers Handbook with Cultivation & Uses.....1275/-
- Woollen Spinning, Weaving, Knitting, Dyeing, Bleaching and Printing Technology Handbook1100/-
- Handbook on Textile Auxiliaries, Dyes and Dye Intermediates Technology1575/-
- The Complete Book on Textile Processing and Silk Reeling Technology1750/-
- A Concise Guide on Textile Dyes, Pigments and Dye Intermediates with Textile Printing Technology.....1675/-

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

- Electroplating, Anodizing & Metal Treatment Handbook1475/-
- The Complete Technology Book on Electroplating, Phosphating, Powder Coating and Metal Finishing (3rd Rev. Edn.)1695/-
- Handbook on Electroplating with Manufacture of Electrochemicals (2nd Rev. Edn.)1975/-

RUBBER PROCESSING, RUBBER CHEMICALS 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) (4th Revised Edition)2350/-
- The Complete Book on Rubber Chemicals.....1575/-

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.2275/-
- Paints, Pigments, Varnishes and Enamels Technology Handbook (With Process & Formulations) 2nd Rev. Edn.1675/-
- Modern Technology of Paints, Varnishes & Lacquers (3rd Edn.)2200/-
- Handbook on Paints and Enamels.....1275/-
- Surface Coating Technology Handbook1475/-
- Spirit Varnishes Technology Handbook (with Testing and Analysis)1275/-
- The Testing Manual of Paints, Varnishes and Resins.....1875/-
- Handbook on Paint Testing Methods1575/-
- Manufacture of Thinners & Solvents (Properties, Uses, Production, Formulation with Machinery Details) 2nd Edn. Rev.....1875/-
- 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/-

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

- Gums, Adhesives & Sealants Technology (with Formulae & their Applications) 2nd Rev. Edn.1475/-
- 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/-
- Handbook on Speciality Gums, Adhesives, Oils, Rosin & Derivatives, Resins, Oleoresins, Katha, Chemicals with Other Natural Products2175/-

Limited Edition—only photostat copy available

NAME OF BOOKS

₹

- The Complete Book on Adhesives, Glues & Resins Technology (with Process & Formulations) 2nd Rev. Edn.1675/-
- The Complete Technology Book on Industrial Adhesives.....1675/-
- The Complete Book on Water Soluble Gums and Resins1675/-

SYNTHETIC, ALKYD, EPOXY AND PHENOLIC RESINS

- Modern Technology of Synthetic Resins & Their Applications (2nd Revised Edition).....1575/-
- Synthetic Resins Technology Handbook1100/-
- The Complete Technology Book on Synthetic Resins with Formulae & Processes1150/-
- Alkyd Resins Technology Handbook (2nd Rev. Edition).....1995/-
- Epoxy Resins Technology Handbook (Synthesis, Epoxy Resin Adhesives, Epoxy Coatings) with Manufacturing Process and Machinery Equipment Details (3rd Revised Edition).....2275/-
- Phenolic Resins Technology Handbook (2nd Revised Edition)1895/-

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/-
- The Complete Book On Distillation And Refining of Petroleum Products (Lubricants, Waxes And Petrochemicals)975/-
- Lubricating Oils, Greases and Petroleum Products Manufacturing Handbook.....1475/-
- 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/-
- 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/-

WASTE MANAGEMENT, PRODUCTS FROM WASTE, MEDICAL, MUNICIPAL WASTE, E-WASTE, BIOMASS, MEDICAL & SURGICAL DISPOSABLE PRODUCTS

- Products from Waste (Industrial & Agro Waste) 2nd Edition975/-
- Handbook on Recycling & Disposal of –Hospital Waste Municipal, –Solid Waste, –Biomedical Waste, –Plastic Waste.....1275/-
- Water and Air Effluents Treatment Handbook.....1275/-
- The Complete Guide on Industrial Pollution Control1275/-
- The Complete Book on Managing Food Processing Industry Waste1275/-
- 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 Waste1275/-
- 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/-
- 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/-
- The Complete Technology Book on E-Waste Recycling (Printed Circuit Board, LCD, Cell Phone, Battery, Computers) 3rd Rev. Edn.....1975/-
- The Complete Book on Waste Treatment Technologies (Industrial, Biomedical, Water, Electronic, Municipal, Household/ Kitchen, Farm Animal, Dairy, Poultry, Meat, Fish & Sea Food Industry Waste and Machinery Equipment Details) 2nd Revised Edition2095/-
- 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) 3rd Rev. Edition1995/-
- Medical, Municipal and Plastic Waste Management Handbook.....1275/-
- The Complete Book on Biological Waste Treatment and their Utilization1675/-
- Recycling Business Handbook *Industrial and Agricultural Waste Processing* (Automated Vehicle Scrapping, Bio Coal Briquettes, Caffeine Extraction, Disposable Tableware, E-Waste, Lead Acid Battery, Lithium-Ion Battery, Lubricating Oils, Organic Fertilizer, Particle Board, PET Bottles, Waste Tyre Pyrolysis, Aluminium, Biomedical Waste, Biomass Charcoal, Activated Carbon, PET Flakes, Rice Bran Oil).....1995/-

NAME OF BOOKS

₹

HOSPITALITY, MEDICAL, ENTERTAINMENT, WAREHOUSING, EDUCATION BUSINESS PROJECTS

- 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/-

WOOD AND ITS DERIVATIVES, BAMBOO PLANTATION

- The Complete Technology Book on Wood and Its Derivatives 1100/-
- Bamboo Plantation and Utilization Handbook 1475/-

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 (3rd Revised Edition) 1795/-
- Handbook on Herbal Drugs And Its Plant Sources 1000/-
- Herbal Foods And Its Medicinal Values 1275/-
- Herbal Cosmetics & Ayurvedic Medicines (Eou) (3rd Rev. Edn.) 1475/-
- Handbook on Ayurvedic and Unani Medicines with Formulae, Process & Their Uses 2495/-
- Herbal Cosmetics Handbook (Formulae, Manufacturing Processes with Machinery & Equipment Details (5th Rev. Edn.) 1875/-
- The Complete Technology Book on Herbal Beauty Products (Cosmetic Industry) with Formulations, Manufacturing Process, Machinery Equipment Details & Plant Layout (4th Revised Edition) 1850/-
- Modern Technology of Cosmetics 1100/-
- Handbook of Herbal Products (Medicines, Cosmetics, Toiletries, Perfumes) 2 Vols. 1500/-
- Herbs Cultivation & Medicinal Uses 975/-
- Herbs Cultivation & Their Utilization 800/-
- Medicinal Plants Cultivation & Their Uses 975/-
- Compendium of Medicinal Plants 875/-
- Compendium of Herbal Plants 975/-
- Cultivation And Processing of Selected Medicinal Plants 1175/-
- Aromatic Plants Cultivation, Processing and Uses 975/-
- Cultivation and Utilization of Aromatic Plants 1100/-
- The Complete Book on Jatropha (Bio-Diesel) with Ashwagandha, Stevia, Brahmi & Jatamansi Herbs (Cultivation, Processing & Uses) 1500/-
- Handbook on Medicinal Herbs With Uses 1075/-
- Aloe Vera Handbook Cultivation, Research Findings, Products, Formulations, Extraction & Processing 1275/-
- Handbook on Herbs Cultivation & Processing 875/-
- Handbook of Neem & Allied Products 975/-
- Handbook on Herbal Medicines (Ayurveda Cream, Oil, Pain Balm, Tablet, Herbal Capsules, Churna, Syrup, Medicines with Composition, Rasa Preparations with Production Process, Machinery, Equipment Details and Factory Layout) 2nd edition 1675/-
- Handbook on Cosmetics (Processes, Formulae with Testing Methods) 1675/-
- Handbook on Drugs from Natural Sources 1175/-

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

- The Complete Technology Book of Essential Oils (Aromatic Chemicals (Reprint 2011)) 1275/-
- Essential Oil Hand Book 975/-
- The Complete Technology Book on Herbal Perfumes & Cosmetics (2nd Rev Edn.) 1275/-
- Modern Technology of Perfumes, Flavours and Essential Oils 2nd Edn. 975/-
- Food Colours, Flavours And Additives Technology Handbook (2nd Revised Edition) 1895/-
- Food Flavours Technology Handbook 1075/-
- The Complete Technology Book on Flavours, Fragrances and Perfumes (2nd Rev. Edn.) 1975/-
- Perfumes and Flavours Technology Handbook with Manufacturing Formulations, Process, Machinery Equipment Details & Factory Layout (3rd Edition) 2275/-
- Handbook on Perfume, Deodorant, Air Freshener, Body Spray, Fragrances, Flavours and Essential Oil Industry with Manufacturing Formulations, Process, Machinery Equipment Details & Factory Layout (2nd Rev. Edn.) 1875/-

SOAPS, DETERGENTS, ACID SLURRY, TOILETRIES & DISINFECTANTS

- Modern Technology of Soaps, Detergents & Toiletries (With Formulae & Project Profiles) (4th Rev. Edn.) 1275/-
- Herbal Soaps & Detergents Handbook 1275/-
- Handbook on Soaps, Detergents & Acid Slurry (3rd Rev. Edn.) 1575/-
- The Complete Technology Book on Detergents (2nd Rev. Edn.) 1100/-
- The Complete Technology Book on Soaps (2nd Revised Edn.) 1425/-

Limited Edition—only photostat copy available

NAME OF BOOKS

₹

- 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/-
- 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/-

GLASS, CERAMICS, COAL, LIGNIN, RARE EARTH & MINERALS

- The Complete Book on Glass & Ceramics Technology (2nd Revised Edition) 1495/-
- The Complete Book on Glass Technology 1625/-
- The Complete Technology Book on Minerals & Mineral Processing 2200/-
- Handbook on Rare Earth Metals and Alloys (Properties, Extraction, Preparation and Applications) 1875/-
- 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/-

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

- The Complete Technology Book on Hot Rolling of Steel (Hot Strip Mill, Hot Rolled Steel Plates, Hot Rolled Coils, Hot Rolled Steel Bars, Railway Track, TMT Bars) 2nd Rev. Edn. 1975/-
- Steel Rolling Technology Handbook (2nd Revised Edition) 1775/-
- The Complete Book on Ferrous, Non-Ferrous Metals with Casting and Forging Technology 1575/-
- The Complete Technology Book on Aluminium and Aluminium Products 1450/-
- The Complete Technology Book on Steel and Steel Products (Fasteners, Seamless Tubes, Casting, Rolling of flat Products & others) 1625/-
- The Complete Book on Ferroalloys (Ferro Manganese, Ferro Molybdenum, Ferro Niobium, Ferro Boron, Ferro Titanium, Ferro Tungsten, Ferro Silicon, Ferro Nickel, Ferro Chrome) 2775/-
- Steel and Iron Handbook 1775/-
- Handbook on Steel Bars, Wires, Tubes, Pipes, S.S. Sheets Production with Ferrous Metal Casting & Processing 1775/-
- 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/-

FORMULARY (FORMULATION) BOOKS

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

CONSTRUCTION MATERIALS, CEMENT, BRICKS, ASBESTOS

- The Complete Book on Construction Materials 1475/-
- The Complete Technology Book on Bricks, Cement and Asbestos 1400/-
- The Complete Technology Book on Asbestos, Cement, Ceramics and Limestone 1875/-
- Handbook on Gypsum and Gypsum based Products (Mining, Processing, Transportation, Handling & Storage, Gypsum Board, Plaster of Paris with Machinery & Equipment Details) 2275/-
- 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/-

EMULSIFIERS, OLEORESINS AND TALL OIL

- The Complete Book on Emulsifiers with Uses, Formulae and Processes. (2nd Rev. Edn.) 1400/-
- Handbook on Oleoresin and Pine Chemicals (Rosin, Terpene, Derivatives, Tall Oil, Resin & Dimer Acids) 2200/-
- Handbook on Tall Oil Rosin Production, Processing and Utilization 1575/-

COLD STORAGE, COLD CHAIN & WAREHOUSE

- The Complete Book on Cold Storage, Cold Chain & Warehouse (with Controlled Atmosphere Storage & Rural Godowns) 6th Rev. Edn. 1750/-

NAME OF BOOKS	₹
BATTERY ASSEMBLING AND RECYCLING	
• Handbook on Production, Recycling of Lithium Ion and Lead-Acid Batteries (with Manufacturing Process, Machinery Equipment Details & Plant Layout) (2nd Rev. Edn.)	2999/-
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/-
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) 2nd Rev. Edition	3795/-
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/-

Limited Edition—only photostat copy available

NAME OF BOOKS	₹
ALCOHOLIC, NON-ALCOHOLIC, BEVERAGES, WINE & INDUSTRIAL ALCOHOL	
• The Complete Technology Book on Alcoholic and Non- Alcoholic Beverages (Fruit Juices, Sugarcane Juice, Whisky, Beer, Microbrewery, Rum and Wine) 2nd Revised Edition	2275/-
• The Complete Book on Wine Production	2275/-
• Industrial Alcohol Technology Handbook	1675/-
• Manufacture of Food & Beverages (2nd Edn.) #	1895/-
TOYS INDUSTRY	
• Toy Manufacturing Handbook (Plastic, Silicone, Wooden, Rubber, Soft, Electronic, Magnetic, Metal / Die-Cast, Traditional Indian Toys Manufacturing Process, Quality controls and safety standards, Machinery Equipment details and Factory Layouts)	2295/-

NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2015 CERTIFIED COMPANY

106 E, Kamla Nagar, Delhi-110 007 (India).
 Tel. : 91-11- 23843955
 Mob.: + 91-9097075054, 8800733955
 Website : www.niir.org www.entrepreneurindia.co
 E-mail : info@niir.org , npc india@gmail.com

Start Investing in Fastest Growing Industries

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

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

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

club soda and sparkling mineral water, as well as several other sparkling fluids.

The global bottled water market was valued at USD 217.66 billion in 2020, with a compound annual growth rate (CAGR) of 11.1 percent predicted from 2021 to 2028. The important elements driving the industry over the next few years will be portability, ease of use and installation, and low maintenance costs. Additionally, increased consumer awareness of the health benefits of drinking bottled water is expected to propel market expansion throughout the forecast period. Plain and flavoured still and sparkling water have become immensely popular beverages on a global scale in recent years. This is a new megatrend that is expected to grow in popularity in the next years. Consumers are choosing for packaged water and limiting their intake of sugary drinks as their health awareness grows. Still bottled water consumption has increased in food outlets and restaurants, which is driving market expansion.

drinking water is considered a basic human right by the World Health Organization.

Mineral water is water from a mineral spring that contains salts and sulphur compounds, among other minerals. Mineral water is usually either still or sparkling (carbonated/effervescent) depending on whether or not additional gases are present. Mineral waters were traditionally

used or drank near their spring sources, a practise known as "taking the waters" or "taking the remedy," in spas, baths, or wells.

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

PROJECT COST ESTIMATE

CAPACITY:

Mineral Water : 2,000 Cans Per Day

Carbonated Water : 2,000 Cans Per Day

Alkaline Water : 2,000 Cans Per Day

Plant & Machinery : ₹ 186 Lakhs

Cost of Project : ₹ 417 Lakhs

Rate of Return : 22%

Break Even Point : 61%

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
 Mob.: +91-9097075054 • 8800733955
 AN ISO 9001:2015 CERTIFIED COMPANY Website : www.niir.org • www.entrepreneurindia.co • E-mail : info@niir.org • npc india@gmail.com

SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT

EACH DETAILED PROJECT REPORT (BUSINESS PLAN) CONTAINS



AN ISO 9001 : 2015 CERTIFIED COMPANY



Market Survey Cum Detailed Techno Economic Feasibility Reports

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, plants 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.

Business Ideas: Upto 25 Lakhs (Plant and Machinery) : Selected Project Profiles for Entrepreneurs, Startups



- » Connecting Rod Mk2 (Electro Galvanized) for Hand Pump
- » A4 and A3 Size Paper
- » Activated Carbon (by Steam Activation Process)
- » Activated Carbon from Saw Dust Adhesive (Fevicol Type)
- » Adhesive from Maize Starch
- » Atta Chakki Plant
- » Ayurvedic /Herbal Hand Sanitizer
- » Ayurvedic Pain Balm
- » Baby Cereal Food
- » Baby Wet Wipes and Facial Wet Tissue Banana Powder
- » Battery Sprayer
- » Biodegradable Plastic Bags from Corn & Cassava Starch Granules
- » Biodegradable Plastic Bags from Corn Starch Production
- » Biofertilizer from Birds Excreta –
- » Bricks from Fume Dust
- » Micronutrient Fortified Energy Dense Food
- » Caffeine from Tea Waste
- » Calcium & Zinc Stabilizer for Pipe and Foam Board Application
- » Cashew Nut Shell Oil
- » Cold Pressed Rice Bran Oil (Edible Oil)
- » Copper Wire Drawing, Annealing & Enamelling
- » Corrugated Galvanized Sheet
- » Cow Urine (Gomutra) Processing and Packing
- » Dairy Farming for Milk
- » Dall/Pulse Mill
- » Detergent Cake & Powder
- » Disposable Plates from Banana Leaves
- » Eggshell Powder
- » English Willow Cricket Bat
- » Essential Oil Extraction (Jasmine and Tuberosa)
- » Exercise Note Book & Registers Pads and File
- » Exercise Note Book and Register
- » Extraction of Essential Oil and Packing of Ground Spices
- » Extraction of Neem Oil
- » Extraction of Oil from Rajnigandha
- » Filtration and Airtight Packing of Coconut Oil
- » Filtration and Airtight Packing of Coconut Oil

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

Mob.: +91-9097075054 • 8800733955

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

SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT

- » Flexographic Printing
- » Fuel Bricks from Ground Nuts, Soyabean Hulls and Jute
- » Ginger Oil
- » Glass Fiber Reinforced Polymer (GFRP) Rebar Manufacturing Business
- » Goat Farming for Meat and Breeding Cattle Breeding Farm, Fodder, Livestock Farming
- » Growing Demand of Rice Husk Based Biodegradable Cutlery
- » Gutkha & Pan Masala
- » Hand Sanitizer
- » Hand Sanitizer Manufacturing
- » Herbal/Ayurvedic Hand Sanitizer
- » High Temperature Aluminium Based Paint
- » Steel Epoxy Putty Stick
- » Hydraulic Hoses for Heavy Earth Movers
- » Hydroponic Green House Farming
- » Instant Noodles
- » Insulator (Made By Fiber Glass & Reinforced Plastics By Hand Moulding Press)
- » Iron Powder from Mill Scale Scrap
- » Jute Shopping Bags
- » Ladies Under Garments (Bra & Panties)
- » Ladies Under Garments
- » Liquid Glucose from Maize
- » Liquid Hand Wash
- » Liquid Organic Fertiliser (Biofertiliser)
- » Lucrative Business of Magnesium Stearate
- » M.S. Welding Electrodes
- » Macaroni, Vermicilli & Noodles Manufacturing
- » Magnesium Sulphate
- » Mango Pickles
- » Steel Container (Cargo Container)
- » Basic Voilet 10 (Rhodamine B Base)
- » Mayonnaise
- » Meat Analogue, Vegan Meat & Mock Meat from Soyabean and Wheat Gluten
- » Micronutrients Fertilizer
- » Micronutrients Fertilizer for Banana, Vegetables and Citrus
- » Mineral Wool Ceiling Tiles
- » Moringa Leaf Tablets
- » Mosquito Repellent Liquidator
- » Mosquito Repellent Liquidator, Vaporiser (All Out Type)
- » Namkeen (Dalmoth, Bhujia, Chana Chur, Khatta Meetha)
- » Natural Tanning Powder
- » Neem Oil (Cold Process)
- » Non Asbestos Jointing Sheet
- » Non Glazed Ceramic Tiles
- » Non-formaldehyde Dye Fixing Agent for Reactive Dyes
- » Pan Masala
- » Pan Masala Sada, Meetha & Zarda
- » Pan Masala, Gutka & Pouch Making Plant
- » Pan Masala, Tobacco, Zarda & Kimam Pan Masala, Zarda, Khaini, Gutka, Sweet & Scented Supari
- » Paracetamol
- » Pectin from Citrus, Lemon and Oranges
- » Plaster of Paris Emulsion
- » Poly Aluminium Chloride
- » Potassium Chloride
- » Micronutrients Fertilizer
- » Profitable Growing Industry of Medical Disposables (Gowns/Drapes)
- » PVA Adhesive (Fevicol Type)
- » Ready Mix Coating Powder used for Coating of Pharmaceuticals Tablets for Regular Fill Coating and Functional Film Coating
- » Readymade Garments (T-shirt)
- » Readymade Garments
- » Readymade Khaini (Geeli)
- » Refrigerant Gas R22 Bottling Plant
- » Rewinding of Burnt Electric Motors
- » Sanitary Napkin (Low Investment Project)
- » Sanitary Napkins
- » Sanitary Napkins (Low Cost Project)
- » School (CBSE Pattern)
- » Premix Tea and Coffee Cappuccino, Vanilla Flavoured Coffee, Mocha Coffee, Masala Chai, Ginger Tea & Green Tea (for Diabetic and Non Diabetic)
- » Silica Gel Crystal & Beads
- » Sodium Chlorite Liquid from Powder (31% Liquid NaClO₂)
- » Sodium Silicate (Soda Ash And Silica Sand)
- » Spice Oil Extraction from Curry Leaves (100% EOU)
- » Spice Powder (Turmeric, Chilli, Pepper, Coriander and Cumin Powder)
- » Spices (100 % EOU)
- » Spices (Masala)
- » Spices (Turmeric Powder, Red Chilli Powder, Dhaniya Powder, Garam Masala, Sabji Masala, Popcorn Masala)
- » Spices in Pouch Packing
- » Stable Bleaching Powder
- » Micronutrient Fortified Energy Dense Food
- » Ferric Pyrophosphate (Food Grade/ Pharma Gade)
- » Trading/Export of Spices (Coriander, Chilli, Turmeric & Cumin) Business
- » Sterile Water for Injection
- » Sugarcane Juice Preservation
- » Surgical Cotton & Bandages
- » Surgical Cotton & Bandages (EOU)
- » Surgical Cotton
- » Tailoring Chalk (Triangle Pattern)
- » Tennis Ball (Used in Playing Cricket)
- » Tomato Products
- » Tundish Insulated Powder (radex)-Turmeric, Dhania and Chilli Powder
- » Urea Formaldehyde Uf85
- » Virgin Coconut Oil
- » Washing Powder
- » Welding Electrodes
- » Whole Spices Processing (Cleaning / Grinding & Packaging)
- » Wire Drawing Lubricants
- » Wire Nail
- » Wire Nail & Wire Drawing Plant
- » Workshop for Motors of Low Voltage (up-to 1000V) and Distribution Transformers (Maintenance, Overhauls and Repairs)
- » Carbon Fiber, Carbon Fiber Composites, Graphite Fibre and Carbon Fiber Reinforced Polymer Projects
- » Carbon Composite Fiber
- » Carbon Fiber
- » Carbon Fiber Composites
- » Cellulose Fibre
- » Cold Storage
- » Production of Carbon Black
- » Production of Composite Materials
- » Setting Up A Hospital in India

npcs Highly Profitable Business Ideas for You

WPC Profile for Building Materials Like Door and Window Frame and Shutters

WPCs are composites containing a wood component in particle form (wood particles/ wood flour) and a polymer matrix. They are used in a variety of structural and non-structural applications ranging from component and product prototyping to outdoor decking. Wood plastic composites (WPCs) are roughly 50:50 mixtures of thermoplastic polymers and small wood particles. The wood and thermoplastics are usually compounded above the melting temperature of the thermoplastic polymers and then further processed to make various WPC products.

The wood-plastic composites market is projected to reach US\$ 2.6 bn in 2012. Analysts anticipate the market to expand at a CAGR of 10.80% during the period from 2013 to 2019 and attain a value USD 5.84 Billion by 2021, at a CAGR of 12.4% from 2016 to 2021. Market is poised to grow at a CAGR of around 13.2% over the next decade to reach approximately \$9.7 billion by 2025. This facilitates the development of new technologies and ensures a high quality product.

PROJECT COST ESTIMATE CAPACITY	
WPC Profile for Building Materials	: 9600 Kgs/Day
Plant & Machinery	: ₹ 155 Lakhs
Cost of Project	: ₹ 737 Lakhs
Rate of Return	: 28%
Break Even Point	: 64%

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
 Mob.: +91-9097075054 • 8800733955
 Website : www.niir.org • www.entrepreneurindia.co • E-mail : info@niir.org • npc.s.india@gmail.com

Toughened (tempered) glass is no longer a “premium” material—it has become a default requirement wherever safety, impact resistance, and thermal shock performance matter. From modern building façades and shower enclosures to automotive glazing, appliance doors, and even phone screen protection, the demand is being pulled by regulations, customer expectations, and the rapid shift toward higher-value processed glass.

Market size and growth outlook are strong. Globally, the tempered glass market was estimated at about USD 112.21 billion in 2024 and is expected to keep expanding in the coming years. In India, the opportunity is especially attractive because processing capacity is still catching up with demand from construction, infrastructure, auto/EV, and interiors. Grand View’s outlook pegs the India tempered glass market at ~USD 2.81 billion in 2024, with a steady growth trajectory ahead.

Why this is a smart manufacturing bet for startups

- 1. Value addition is the real game.** Float glass is a commodity; processed safety glass is margin-rich. Tempering converts standard float glass into a higher-value product that builders, fabricators, OEMs, and retail customers willingly pay for—especially when you offer cut-to-size, edge finishing, holes/notches, ceramic frit printing, and performance guarantees.
- 2. Demand is diversified, not single-industry dependent.** Housing upgrades, commercial projects, metros/airports, showroom interiors, solar-related glazing, appliances, and automotive all consume toughened glass. Even the electronics ecosystem is pulling local capacity—India recently saw a high-profile push into tempered glass for device protection, signalling domestic substitution potential.

Toughened Glass Manufacturing: A Safety-Driven Business Built for Scale

3. Import dynamics favour local processing.

Glass and glass inputs are exposed to trade actions and pricing cycles. India’s DGTR recommendation to extend anti-dumping duty on certain clear float glass imports highlights the pressure of low-priced imports and the importance of domestic competitiveness. For processors, a stable local supply chain and strong buyer network can be a serious advantage.

Market trends shaping profits

- **Architecture trend:** bigger panes, minimal frames, and premium interiors increase the consumption of toughened and insulated glass units (IGUs).
- **Performance trend:** low-E, solar control coatings, double glazing, and laminated + tempered combinations are growing as “comfort + energy saving” products.
- **Service trend:** fabricators want reliable lead times, consistent quality, and replacement assurance—startups that operate like an OEM supplier win repeat orders.

Export potential: where India can win

Processed glass exports are typically driven

by consistent quality, packing discipline, and standards compliance (EN/ASTM/ISO). The most realistic export segments for a new unit are:

- Cut-to-size tempered panels for interiors and furniture
- Shower enclosure glass
- Appliance-grade tempered glass (oven doors, cooktops—depending on specs)
- Architectural processed glass via project-based export orders through EPC/interior contractors

The export logic is simple: nearby markets in South Asia, Middle East, and Africa often import finished processed glass when local processing is limited—provided you meet specs and deliver damage-free consignments.

Major players to benchmark (India + global)

India: Asahi India Glass (AIS), Saint-Gobain India/Sekurit, Gold Plus Glass Industry, Gujarat Guardian (Modigaurd/Guardian ecosystem), Borosil (specialty segments).

Overseas: Saint-Gobain (global), AGC, NSG/Pilkington, Guardian Glass, Fuyao Glass, Xinyi Glass.

Bottom line: Toughened glass is a “make-in-India + value-add” manufacturing play where startups can win by focusing on quality consistency, quick turnaround, product customization, and B2B service discipline. With market growth, multiple end-use sectors, and rising preference for processed safety glass, it’s one of the more scalable building-material manufacturing businesses available today.

PROJECT COST ESTIMATE

CAPACITY

Project Capacity	: 4,000 Sq.Ft. Per Day
Plant & Machinery	: ₹ 276 Lakhs
Cost of Project	: ₹ 1082 Lakhs
Rate of Return	: 27%
Break Even Point	: 43%

Hydroponics is a system of agriculture that utilizes nutrient-laden water rather than soil for plant nourishment. The re-use of nutrient water supplies makes process-induced eutrophication (excessive plant growth due to overabundant nutrients) and general pollution of land and water unlikely, since runoff in weather-independent facilities is not a concern. Aeroponic and hydroponic systems do not require pesticides, require less water and space than traditional agricultural systems, and may be stacked (if outfitted with led lighting) in order to limit space use (vertical farming). This makes them optimal for use in cities, where space is particularly limited and populations are high—self-sustaining city-based food systems mean a reduced strain on distant farms, the reduction of habitat

Hydroponic Green House Farming

intrusions, fewer food miles, and fewer carbon emissions.

Boosted by rising consumer demand owing to better health awareness and purchasing power, production of fruits and vegetables across India has increased this year with their total yield surpassing the production of food grains. India is also a prominent exporter of Fresh Vegetables in the world. The country has exported 6,99,600.34 MT of Fresh Vegetables other than Onion to the world for the worth of Rs. 2119.50 crores during the year 2015-16. India grows the largest number of vegetables from temperate to humid tropics and from sea-level to snowline. Thus, as an entrepreneur this project offers an exciting opportunity to you.

PROJECT COST ESTIMATE

CAPACITY:	
Tomatoes	: 800 MT/Annum
Peas	: 36 MT/Annum
Cucumber	: 56 MT/Annum
Beans	: 80 MT/Annum
Plant & Machinery	: ₹ 23 Lakhs
Cost of Project	: ₹ 489 Lakhs

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

Mob.: +91-9097075054 • 8800733955

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

Detergent is one of those rare consumer products that sells in every season, in every income segment, and in almost every pin code—making it a classic “repeat purchase” FMCG category. For a startup, detergent powder and detergent cake (laundry bar) offer an attractive mix: steady demand, scalable production, relatively straightforward process control, and room to win through smarter pricing, distribution, and product positioning (economy vs. premium, fragrance, stain-removal, low-foam machine wash, etc.).

Market overview: big, growing, and still fragmented

India’s laundry detergent market was valued at about USD 4.79 billion in 2024 and is projected to keep expanding over the coming years. Growth is supported by rising hygiene awareness, higher urbanisation, increasing washing-machine penetration, and the gradual shift toward better-performing formulations. Globally, laundry detergents are a very large market as well—one industry estimate places the global market at USD 66.33 billion in 2024, indicating strong export-linked opportunity for competitive Indian manufacturers.

Why startups should seriously consider this business

1) Daily-use category with predictable repeat demand

Unlike discretionary products, detergents are consumed continuously. That creates stable offtake and faster inventory rotation—helpful for working-capital discipline.

2) Multiple “entry points” for different budgets

You can start with detergent cake + economy powder (high-volume, price-sensitive) and later expand into mid-premium variants—brighteners, enzymes, perfume boosters, colour-care, or machine-wash formulations.

3) Distribution-driven category (where new brands can still win)

Large brands dominate metros and modern trade, but many districts and semi-urban clusters

**Detergent Powder & Detergent Cake:
A High-Volume FMCG Manufacturing Opportunity for New Entrepreneurs**

still respond strongly to local availability, value packs, and retailer margins. If you build a strong distributor network and keep supply consistent, you can scale fast.

4) Detergent cake remains relevant

Laundry bars are still preferred in many value-conscious households and for specific use-cases like stain scrubbing, workwear, and rural washing habits—meaning you can capture volume even without competing head-on with premium powders.

Trends shaping demand (and where the opportunity sits)

- **Performance + convenience:** consumers expect quicker stain removal, better fragrance retention, and less residue.

- **Machine-wash growth:** low-foam and quick-rinse formulations gain share as washing machines increase.
- **Value engineering:** in many markets, winning is about delivering “good enough performance” at the right ₹/wash, not fancy claims.
- **Compliance and consistency:** repeat orders come only when batch-to-batch quality stays stable (bulk density, active matter, moisture, perfume, bar hardness).

Export potential: practical pathways for new units

Indian detergent manufacturers can target Africa, the Middle East, and neighbouring South Asian markets where price-performance products move quickly. Export success depends on stable formulation, moisture-proof packaging, and the ability to offer both economy powders and laundry bars with consistent quality. Starting with private label or institutional supply (hotels, laundries, hospitals, bulk buyers) can be a smart bridge into exports.

Major players (for benchmarking)

India: Hindustan Unilever (Surf Excel, Rin, Wheel), P&G (Ariel, Tide), Nirma, RSPL (Ghadi), Jyothy Labs (Henko), Godrej Consumer, Patanjali (select markets).

Overseas: Unilever, Procter & Gamble, Henkel, Kao, Lion Corporation, Church & Dwight.

If you want, I can also draft a brand-and-distribution launch plan (pricing ladder, SKUs, dealer margin structure, and a 12-month sales ramp-up) specifically for your target state/city.

PROJECT COST ESTIMATE

CAPACITY:

Detergent Powder	: 7 MT Per Day
Detergent Cake	: 5 MT Per Day
Plant & Machinery	: ₹ 47 Lakhs
Cost of Project	: ₹ 222 Lakhs
Rate of Return	: 34%
Break Even Point	: 67%

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

RTE 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 Applications 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.

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.

PROJECT COST ESTIMATE

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%

SUBSCRIPTION RATE FOR INDIA - One Year ₹ 1060/- (with Delivery 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