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About Us

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

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The Complete Technology Book on Vermiculture and Vermicompost (Earthworm)

2nd Edition

₹ 1275/-



Advantage of vermicomposting is that it composts the wastes of rural areas. They clean our villages by using unnecessary organic and non-organic materials. Improves the texture of the soil and its ability to store water. Improves root growth and the multiplication of beneficial soil microorganisms by providing optimum aeration to the soil.

Vermicompost (vermi-compost) is a mixture of decomposing vegetable or food waste, bedding materials, and vermicast created by the decomposition process using various species of worms, usually red wigglers, white worms, and other earthworms. This is known as vermicomposting, and the practise of raising worms for this purpose is known as vermiculture. Sewage treatment can also be done with vermicomposting.

The Global Vermicompost Market is reach growing at a CA GR of 16.74%. The Growth of the global vermicompost market is caused by various factors, such as improved soil aeration, improved water holding capacity, better nutrient cycle, and enriched soil with micro-organism, helps in plant root growth and structure, enhanced germination. The

vermicomposting method is used in organic farming. Increasing the use of sustainable agricultural practices, such as vermicomposting along with Government support for organic farming is significantly contributing to the global vermicompost market growth. Vermicompost offers plants with necessary nutrients and helps in plant diseases suppression. Worm castings often comprise 7 times more phosphorus, 11 times more potassium, and 5 times more nitrogen than ordinary soil, which are crucial minerals required for plant growth.

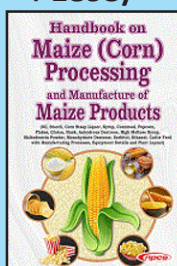
Vermiculture and Vermicompost (Earthworm), as well as their manufacturing methods, are all covered in depth in this book. It also offers photos of equipment as well as contact information for industrial providers.

This book is a one-stop shop for everything you need to know about the Vermiculture and Vermicompost (Earthworm) industry, which is ripe for manufacturers, merchants, and entrepreneurs. This is the only book that goes into great detail about Vermiculture and Vermicompost. It's a genuine feast of how-to material, from concept to equipment buying.

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/-



In India, maize is becoming third most significant crop. Its significance stems from the fact that it is utilised not only for human food and animal feed, but also for corn starch manufacturing, corn oil production, and the generation of baby corns. Additionally, maize stover, the leaves and stalk of the maize plant, is used for forage, biofuel production, and chemical production.

Corn is also processed into a multitude of food and industrial products including:-

- Corn Starch is a yellow powder made from finely ground, dried corn, while cornstarch is a fine, white powder made from the starchy part of a corn kernel.
- High fructose corn syrup (HFCS) is a sweetener derived from corn syrup, which is processed from corn.
- Corn oil contains some healthy components like vitamin E and phytochemicals, but overall it's not considered a healthy fat.
- Corn ethanol is produced from corn biomass and is the main source of ethanol fuel, mandated to be blended with gasoline in the Renewable Fuel Standard.
- Some strains of corn (Zea mays) are cultivated specifically as popping corns.
- Dextrose Anhydrous can be used as sweetener in baked goods, candies, gums, dairy products like some ice-creams and frozen yogurts, canned foods, cured meats etc.
- Maltose is a sugar that tastes less sweet than table sugar. It contains no fructose and is used as a substitute for high-fructose corn syrup.
- Maltodextrin is a white powder made from corn. To make it, first the starches are cooked, and then acids or enzymes such as heat-stable bacterial alpha-amylase are added to break it down further.
- Dextrose is the name of a simple sugar made from corn that's

chemically identical to glucose, or blood sugar.

• Sorbitol, or glucitol as it is sometimes called, is a slow-metabolizing sugar alcohol derived from fruits, corn and seaweed.

The global maize market is expected to grow at a CAGR of 3.8%. The factors that affect the demand for starch mainly include population growth and industrial development of a country; specifically the food and beverage, textiles, paper and printing, pharmaceuticals and other health and beauty products, and adhesives.

The demand for high-fructose corn syrup (HFCS) sweeteners across the country is majorly due to its wide usage in the confectionery, bakery, and beverage industries, especially soft drink manufacturing. Rising health awareness

among consumers has resulted into increasing preference for corn oil due to its health benefits. More ethanol production means more demand for corn. According to the most recent statistics released by the U.S. Department of Agriculture, 35%, or 5.25 billion bushels, of the projected 15.062 billion bushels of corn harvested will be processed into ethanol.

The book covers a wide range of topics connected to Maize Products, as well as their manufacturing processes. It also includes contact information for machinery suppliers, as well as images of equipments.

A complete guide on Maize (Corn) Processing and Manufacture of Maize Products manufacture and entrepreneurship. This book serves as a one-stop shop for everything you need to know about the Maize manufacturing industry, which is ripe with opportunity for manufacturers, merchants, and entrepreneurs. This is the only book that covers Maize (Corn) Processing and Manufacture of Maize Products in depth. From concept through equipment procurement, it is a veritable feast of how-to information.

Why Startups and New Entrepreneurs Should Choose This Industry

Graphite is among the cheapest forms of carbon you can buy. Put it under extreme pressure and heat and it becomes a genuine diamond, identical in hardness and brilliance to a mined stone. That is why this business has moved from research labs to factory floors in Surat, Mumbai and smaller industrial towns.

For a first-time entrepreneur the case is practical. Raw material by weight is small, presses can run day and night, and stones are sold by the carat, so a compact unit carries high output value. India also has one of the deepest cutting and polishing talent pools anywhere, letting a grower sell rough to a nearby cutter or keep the margin by finishing stones in-house.

Market Size, Share and Export Potential

Industry research reports put the global lab-grown diamond market at roughly USD 28 to 29 billion in 2025, with forecasts of about 8 to 11 per cent annual growth through 2032. These are estimates and vary by report.

India's numbers are sharper. Provisional GJEPC data for FY 2025-26 shows polished lab-grown exports of about 18.8 million carats, ahead of roughly 16 million carats of natural polished

Lab-Grown Diamond Business Plan for Startups: Market, Schemes and Growth Scope

stones. Government trade data shows India's share of world lab-grown exports rising from about 28 per cent in 2022 to nearly 36 per cent in 2025, and shipments between January and May 2026 again exceeded natural diamonds. Exporters are also building routes into the UAE, the UK and Hong Kong alongside the US.

Government Schemes and Incentives

- Duty-free import of lab-grown diamond seeds, extended in Union Budget 2026-27 up to March 2028.
- ₹242 crore five-year research grant to IIT Madras for Indian-

made machines, seeds and growth recipes.

- PMEGP: subsidy of 15 to 35 per cent for eligible projects costing up to ₹50 lakh.
- CGTMSE: collateral-free credit guarantee for eligible micro and small enterprises.
- Mudra Yojana: loans up to ₹20 lakh under Tarun Plus.
- Startup India: DPIIT recognition, tax benefits and Fund of Funds access.

- Stand-Up India: loans of ₹10 lakh to ₹1 crore for SC/ST and women entrepreneurs.
- State policies, notably Gujarat's, with capital and interest subsidies.

Major Players in the Industry

In India, Bhandari Lab Grown Diamonds, Kira Diam and Greenlab Diamonds are well-known Surat-cluster manufacturers, and Limelight is a recognised lab-grown jewellery brand. Overseas, De Beers Group (Lightbox), Diamond Foundry, WD Lab Grown Diamonds and China's Henan Huanghe Whirlwind, Zhongnan Diamond and Sino-Crystal are leading names.

PROJECT COST ESTIMATE CAPACITY

Lab Grown Diamonds (1 Carat)	: 30 Carat Per Day
Plant & Machinery	: ₹ 2456 Lakhs
Cost of Project	: ₹ 3322 Lakhs
Rate of Return	: 28%
Break Even Point	: 33%

Every rice-milling belt in India shares one stubborn by-product: ash. Burn husk in a boiler and what remains is a light powder that is often 90 percent silica. Tyre, toothpaste and rubber makers buy that same silica in bulk. Turn the waste into a premium filler and the raw material advantage comes built in.

Why Startups and New Entrepreneurs Should Choose This Industry

Raw material comes first. Rice husk ash is available near the plant gate across Punjab, Haryana, Uttar Pradesh, Odisha, Andhra Pradesh and Tamil Nadu. Ash that once cost power plants money to dispose of becomes a purchased input, and a unit inside the paddy belt keeps freight low.

Scalability is the second draw. A 3 to 5 TPD plant can be commissioned first, proven with customers and expanded in stages, while saleable sodium sulphate adds revenue.

Then there is the green label. A government innovation portal records a Gujarat-developed rice husk ash route as around 20 percent more economical and 15 percent more energy efficient than conventional production. Sustainability and a cost edge together are rare for a first-generation entrepreneur.

Market Overview, Growth and Export Potential

Industry reports place the global precipitated

silica market between USD 2.6 billion and USD 5.2 billion in 2025, with growth of roughly 6 to 7 percent a year through 2033-34. Asia Pacific holds close to half of demand, and tyres are the largest use.

Green Precipitated Silica from Rice Husk Ash: Turn Mill Waste into a Manufacturing Business

India follows the same curve. Domestic consumption is estimated at about 162,000 tonnes in 2025, heading past 200,000 tonnes by 2031, with tyres taking roughly 36 percent. Exports are real too: producers are preparing REACH registration for Europe,

and Southeast Asia, the Middle East and Africa are natural next markets.

Government Schemes and Incentives

- PMEGP: 15 to 35 percent margin money subsidy on new units, after Udyam registration.
- CGTMSE: collateral-free credit guarantee. MUDRA: working capital finance.
- Startup India: DPIIT recognition and tax benefits. Stand-Up India: ₹10 lakh to ₹1 crore loans for women and SC/ST entrepreneurs.
- State policies: capital subsidy and power tariff concessions.

Major Players in the Industry

In India, Madhu Silica, Tata Chemicals, AksharChem and Supersil Chemicals supply precipitated silica, while Brisil Technologies and Usher Eco Power have pioneered extraction from rice husk ash. Globally, Evonik, Solvay, Tosoh Silica and Huber Engineered Materials lead. That leaves room for a regional supplier offering consistent grades, quick delivery and green origin.

PROJECT COST ESTIMATE CAPACITY

Project Capacity	: 30 MT Per Day — Green Precipitated Silica
Plant & Machinery	: ₹ 30 Crores
Cost of Project	: ₹ 40 Crores
Rate of Return	: 25%
Break Even Point	: 47%

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

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Active Pharmaceutical Ingredients (Tacrolimus, Sirolimus, Pimecrolimus, Teicoplanin, Polymyxin B, Fidaxomicin, Daptomycin, Dalbavancin, Amphotericin B, Caspofungin, Micafungin, Anidulafungin) A Business Opportunity for Startups

A transplanted kidney, an ICU bed fighting a resistant infection, a patient treated for invasive fungal disease: all rely on complex molecules. These twelve fermentation-derived APIs sit at the heart of that group, and Indian manufacturers have only begun to claim their share.

Why Startups and New Entrepreneurs Should Choose This Industry

Most newcomers in pharma compete on pennies in commodity molecules. This basket plays a different game. Each product comes from a specialised microorganism, so know-how becomes your moat, and fewer producers mean long buyer relationships and strong realisations per kilogram.

The twelve APIs also share one technology platform. One fermentation and purification block can

run them in campaigns, adding products without rebuilding the plant. Transplant patients stay on tacrolimus or sirolimus for life, and hospitals buy antibiotics and antifungals on clinical need, not season.

Market Size, Growth and Export Potential

Industry research values India's API market at about USD 4.4 billion in 2025, rising to roughly USD 6.7 billion by 2030, a CAGR near 8.8%.

A 2025 industry roadmap suggests Indian makers could capture 20 to 30 percent of the API business global buyers are moving away from China.

End-product demand backs this up. The global tacrolimus market was estimated at USD 7.3 billion in 2025, growing around 5.6% a year to 2035. Echinocandin antifungals, which include caspofungin, micafungin and anidulafungin, were valued near USD 1.4 billion, while peptide antibiotics covering daptomycin and dalbavancin stood near USD 5.8 billion, heading towards USD 9 billion by 2030. Indian API makers already send about half their output to developed markets, and a

USFDA DMF or EDQM CEP can turn one plant into a global supplier.

Government Schemes and Incentives

Several routes fit this project.

- **Bulk Drug Parks scheme:** shared effluent, steam and testing facilities that lower set-up cost.
- **PLI Scheme for Bulk Drugs:** rewards incremental sales of fermentation-based APIs; confirm product eligibility with the Department of Pharmaceuticals.
- **Strengthening of Pharmaceutical Industry scheme:** upgradation support for MSMEs moving to revised Schedule M and WHO-GMP.
- **CGTMSE and Startup India:** collateral-free credit cover, DPIIT recognition and funding access.
- **State industrial policies:** capital subsidy and SGST reimbursement in Gujarat, Andhra Pradesh and Himachal Pradesh.

Major Players

In India, Concord Biotech, Biocon and Hetero are established names in fermentation-based and complex APIs. Overseas, Zhejiang Hisun Pharmaceutical and Hainan Poly Pharm in China and Xellia in Europe are active suppliers, while originators Astellas, Merck and Pfizer built the formulation demand.

PROJECT COST ESTIMATE

CAPACITY:

Tacrolimus	: 200.1 Kgs Per Annum
Sirolimus	: 24.9 Kgs Per Annum
Pimecrolimus	: 75 Kgs Per Annum
Teicoplanin	: 375 Kgs Per Annum
Polymyxin	: 225 Kgs Per Annum
Fidaxomicin	: 150 Kgs Per Annum
Daptomycin	: 300 Kgs Per Annum
Dalbavancin	: 33 Kgs Per Annum
Amphotericin B	: 174.9 Kgs Per Annum
Caspofungin	: 30 Kgs Per Annum
Micafungin	: 125 Kgs Per Annum
Anidulafungin	: 24.9 Kgs Per Annum
Plant & Machinery	: ₹ 11,820 Lakhs
Cost of Project	: ₹ 15,468 Lakhs
Rate of Return	: 33%
Break Even Point	: 50%

Production Business of Zinc Sulphate

Zinc sulphate is a very water soluble, transparent, colorless, crystalline compound. It is commonly used as the heptahydrate, $ZnSO_4 \cdot 7H_2O$, and is commonly called white vitriol; it occurs naturally as the mineral goslarite, and can be prepared by reacting zinc with sulfuric acid. It is used to supply zinc in animal feeds, fertilizers, and agricultural sprays; in making lithopone; in coagulation baths for rayon; in electrolyte for zinc plating; as a mordant in dyeing; as a preservative for skins and leather; and in medicine as an astringent and emetic.

Global Zinc Sulfate Market is valued to grow at healthy CAGR of 4.2% over in period 2020-2026. Increasing usage as a fertilizer additive in agricultural industry to prevent and correct zinc deficiency in crops, rising demand of applications of raw material for manufacturing latex products and usage as a herbicide for moss control are the key factors driving the market. Zinc sulfate plays a prominent role in treating zinc deficiencies in humans and is used as a fertilizer for agricultural sprays to improve soil nutrient which is expected to play a crucial role in the market development.

PROJECT COST ESTIMATE

CAPACITY :

Zinc Sulphate 33%	: 2 MT Per Day
Zinc Sulphate 21%	: 2 MT Per Day
Zinc Sulphate 12% Soln.	: 2 MT Per Day
Plant & Machinery	: ₹ 1.21 Cr
Cost of Project	: ₹ 3.70 Cr
Rate of Return	: 22%
Break Even Point	: 60%

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Saline, Dextrose and Ringer's Lactate: The Evergreen Pharma Manufacturing Business

Why Startups Should Step Into IV Fluids

Few pharma products are as dependable as intravenous fluids. Every operation theatre, casualty ward and labour room runs on them, and hospitals never stop buying 0.9% sodium chloride, 5% dextrose or compound sodium lactate.

For a first-generation entrepreneur, that means repeat demand from the first month. State procurement corporations float regular tenders, private hospital chains sign rate contracts, and distributors keep these fluids on the shelf as staples. Raw materials are locally available and there is no patent to licence. What builds a name here is consistent quality and dependable delivery. A WHO-GMP certificate opens doors in Africa, the Middle East and Latin America.

Market Size, Growth and Export Potential

India's intravenous solutions market stood at roughly USD 1.9 billion in 2024, and industry research reports project about USD 3 billion by 2033, growing near 4.8 percent a year. West and Central India hold the largest regional share, close to 35 percent. All figures are estimates.

Worldwide, 2025 estimates range from USD 13 billion to USD 18 billion. Crystalloids, the family these three fluids belong to, take roughly 70 percent of the product mix, and saline and dextrose-based fluids together make up over half

of all IV solution use.

At home, demand is fuelled by more surgeries, wider insurance cover under Ayushman Bharat, and a shift towards non-PVC packs. On exports, government data puts India's pharmaceutical exports at USD 30.47 billion in 2024-25, and buyers in Africa, the CIS, South-East Asia and Latin America look for WHO-GMP certified Indian suppliers of exactly these fluids.

Government Schemes and Incentives

These schemes genuinely suit a pharmaceutical plant:

- **CGTMSE:** collateral-free credit, with guarantee cover of ₹10 crore for micro and small units and Rupee20 crore for DPIIT-recognised startups.
- **Startup India:** DPIIT recognition brings compliance support and access to startup funding.
- **Revamped Pharmaceutical Technology Upgradation Assistance Scheme:** reimbursement-based capital subsidy for meeting revised Schedule M and WHO-GMP standards.
- **State industrial policies:** Gujarat, Himachal Pradesh, Tamil Nadu and Telangana offer capital subsidy and utility concessions.

Major Players

Baxter India, Fresenius Kabi India, B. Braun (through Ahlcon Parenterals) and Otsuka Pharmaceutical India operate alongside Indian groups such as Nirma's Nirlife, Amanta Healthcare and Axa Parenterals. Globally, Baxter International, Fresenius Kabi, B. Braun Melsungen, ICU Medical and Otsuka lead on range and packaging technology. A well-run new Indian unit can win regional and institutional business of its own.

PROJECT COST ESTIMATE

CAPACITY :

Normal Saline 0.9% (500ml)	: 19,000 Bottles Per Day
Normal Saline 0.9% (200ml)	: 8,000 Bottles Per Day
Dextrose Saline 5% (500ml)	: 12,600 Bottles Per Day
Dextrose Saline 5% (200ml)	: 5,400 Bottles Per Day
Ringer's Lactate (500ml)	: 11,400 Bottles Per Day
Ringer's Lactate (200ml)	: 3,600 Bottles Per Day
Plant & Machinery	: ₹ 2734 Lakhs
Cost of Project	: ₹ 9718 Lakhs
Rate of Return	: 21%
Break Even Point	: 31%

Start Trading Business

(Potato Powder, Onion Powder, Capsicum Powder, Ginger Powder and Curcumin Powder)

Trade is a basic economic concept involving the buying and selling of goods and services, with compensation paid by a buyer to a seller, or the exchange of goods or services between parties. Trade can take place within an economy between producers and consumers. International trade allows countries to expand markets for both goods and services that otherwise may not have been available. As a result of international trade, the market contains greater competition and therefore, more competitive prices, which brings a cheaper product home to the consumer.

Potatoes are the fourth most cultivated crop after wheat, rice and corn. They produce the highest amount of starch derived per hectare of crop grown, which is 6.5 tons! There are various varieties of potatoes but those that have a high starch content are preferred for this purpose. Such potatoes are very good for protection against colon cancer and are very slowly digested. Powder from potatoes is a gluten-free starch powder extracted from potatoes.

Onions are abundantly cultivated and used around the world. Onion powder is made from ground dehydrated onions, grown by 'working with nature' using no chemical pesticides, herbicides or artificial fertilisers. It has a concentrated onion flavour that can be used in a wide range of dishes, making it an absolute essential in the kitchen. Because of its rich concentration of nutrients, onion powder offers many health benefits, including 10% or more of your required

daily intake of vitamin C, vitamin B6 and manganese.

Capsicum is the genus of pepper plants, which includes sweet peppers such as bell peppers. These peppers are a part of the nightshade family along with eggplant, potatoes and tomatoes. This vegetable is native to the Americas but is produced and used worldwide in international cuisines and as natural remedies.

Ginger is one of the healthiest spices, full of nutrients and bioactive compounds that have many benefits for our body and brain. Dry ginger powder or shunthichurna is a warm spice with pungent taste, extracted from the dried ginger roots. It helps to pacify Vata and Kaphados has and increases Pitta dosha.

Curcumin is the main biologically active phytochemical compound of Turmeric. It is extracted, concentrated, standardized and researched. Curcumin, which gives the yellow color to turmeric, was first isolated almost two centuries ago, and its structure as diferuloylmethane was determined in 1910. Extensive research within the last half a century has proven that its renowned range of medicinal properties, once associated with Turmeric, is due to Curcumin.

PROJECT COST ESTIMATE

CAPACITY :

Potato Powder	: 40 Kgs. per Day
Capsicum Powder	: 40 Kgs. per Day
Curcumin Powder	: 40 Kgs. per Day
Ginger Powder	: 40 Kgs. per Day
Onion Powder	: 40 Kgs. per Day
Plant & Machinery	: ₹ 1 Lakhs
Cost of Project	: ₹ 27 Lakhs
Rate of Return	: 30%
Break Even Point	: 77%

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Sodium bicarbonate is a chemical compound with the formula NaHCO_3 . It is a salt composed of sodium ions and bicarbonate ions. Sodium bicarbonate is a white solid that is crystalline but often appears as a fine powder. It has a slightly salty, alkaline taste resembling that of washing soda (sodium carbonate). It has long been known and is widely used as baking soda, bread soda, cooking soda and bicarbonate of soda.

Acetic acid, systematically named ethanoic acid, is an acidic, colourless liquid and organic compound with the chemical formula CH_3COOH (also written as $\text{CH}_3\text{CO}_2\text{H}$, $\text{C}_2\text{H}_4\text{O}_2$, or $\text{HC}_2\text{H}_3\text{O}_2$). Vinegar is no less than 4% acetic acid by volume, making acetic acid the main component of vinegar apart from water. Acetic acid is the second simplest carboxylic acid (after formic acid). It is an important chemical reagent and industrial chemical, used primarily in the production of cellulose acetate for photographic film, polyvinyl acetate for wood glue, and synthetic fibres and fabrics.

Production Business of Sodium Bicarbonate and Acetic Acid

The sodium bicarbonate market is projected to grow at a CAGR of 4.95% to reach US\$2.053 billion in 2026 from US\$1.464 billion in 2019. Sodium bicarbonate is widely known as baking soda or sodium hydrogen carbonate. It is available in white crystalline powder or granules and is odorless and has a cooling and slightly salty taste. It is moderately soluble in the water. It is one of the key ingredients in bakery products and is widely used in many detergents and cleaning products.

The global acetic acid market size was valued at USD 8.92 billion in 2019 and is expected to grow at a compound annual growth rate (CAGR) of 5.2% from 2020 to 2027. Rising demand for the product from Vinyl Acetate Monomer (VAM) producers worldwide is projected to remain a key driving factor for the market growth. VAM consumes a majority of the acetic acid produced worldwide. VAM is traditionally produced by reacting acetic acid with ethylene and oxygen along with a palladium catalyst which is typically conducted in the gas phase.

PROJECT COST ESTIMATE

CAPACITY :

Sodium Bicarbonate	: 100.0 MT Per Day
Acetic Acid	: 150.0 MT Per Day
Plant & Machinery	: ₹ 7051 Lakhs
Cost of Project	: ₹ 10501 Lakhs
Rate of Return	: 24%
Break Even Point	: 69%

Setting Up a Multispeciality Hospital (200 Bedded)

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

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

Global Hospital Market stood at USD 4207.46 billion in 2020 and is expected to grow at a CAGR of 6.70% during the upcoming period. This can be attributed to the growing geriatric population suffering from various chronic diseases including cancer, diabetes, cardiovascular diseases, renal disorders, among others.

PROJECT COST ESTIMATE

CAPACITY

Capacity	: 200 Bedded Hospital
Plant & Machinery	: ₹ 140 Cr
Cost of Project	: ₹ 212.48 Cr
Rate of Return	: 27%
Break Even Point	: 50%

This in turn has increased the patient pool requiring treatment. Furthermore, increasing awareness and advancements pertaining to diagnostic technologies are expected to create lucrative opportunities for the market growth through 2026.

Opportunities in Manufacturing of Solar Inverter (100 KVA – 1000 KVA)

A solar inverter or PV inverter, is a type of electrical converter which converts the variable direct current (DC) output of a photovoltaic (PV) solar panel into a utility frequency alternating current (AC) that can be fed into a commercial electrical grid or used by a local, off-grid electrical network. It is a critical balance of system (BOS)—component in a photovoltaic system, allowing the use of ordinary AC-powered equipment. Solar power inverters have special functions adapted for use with photovoltaic arrays, including maximum power point tracking and anti-islanding protection.

Advanced solar pumping inverters convert DC voltage from the solar array into AC voltage to drive submersible pumps directly without the need for batteries or other energy storage devices. By utilizing MPPT (maximum power point tracking), solar pumping inverters regulate output frequency to control the speed of the pumps in order to save the pump motor from damage. Solar pumping inverters usually have multiple ports to allow the input of DC current generated by PV arrays, one port to allow the output of AC voltage, and a further port for input from a water-level sensor.

The solar PV inverters market is expected to register a CAGR of more than 8%. The industry has also been hit severely due to a reduction in electricity consumption and declining economic growth. However, with resuming market activities globally, the demand for the market is growing at a faster rate. Factors, such as a drop in inverter prices and the increasing solar PV installations, are expected to boost the market growth. Advancement in technology leading to solar panel manufacturing cost reduction and increase in efficiency have also been a major factor for the growth of the solar PV inverters market. However, lack of general awareness, infrastructure development costs, and recent subsidy cuts on solar panels by governments in the Asia-Pacific region has hampered the market growth.

PROJECT COST ESTIMATE

CAPACITY

Solar Inverter	: 15 Nos. Per Day
50 Hz 100 to 1000 KVA	
Plant & Machinery	: ₹ 373 Lakhs
Cost of Project	: ₹ 1288 Lakhs
Rate of Return	: 26%
Break Even Point	: 47%

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Collagen is the most abundant protein in protein composition. It's one of the tendons, and ligaments. Collagen blood vessels, corneas, and teeth. things together. In fact, the word comes from

Collagen, which is high-value product from mammals, is a rigid, inextensible, fibrous protein in animals, including tendons, cartilage, bones, it is mainly used to give strength to structures depending on the location of the body.

There are a variety of collagen supplements be available in the form of pills or powder. There are many sources for making this sources (animal parts, fish scales, bones, skin, from genetically modified yeast and bacteria.

Collagen supplement are dietary deficiency of collagen in the diet. They are fish. They come in a variety of forms, including supplements are available across the world a medical practitioner. Collagen supplements fitness enthusiasts as they help them maintain the health

The market is expected to reach USD 8.67 billion in a compound annual growth rate of 9.0% from 2020 to collagen supplement market can be attributed to several of collagen supplement. For instance, the ingestion of dryness and wrinkles. It also increases muscle mass,

Profitable Production Business of Collagen Powder

PROJECT COST ESTIMATE CAPACITY

Collagen Powder	: 500 Kg. Per Day
Plant & Machinery	: ₹ 1178 Lakhs
Cost of Project	: ₹ 1935 Lakhs
Rate of Return	: 28%
Break Even Point	: 53%

in our body, accounting for about one-third of its major building blocks of bones, skin, muscles, is also found in many other body parts, including We can think of it as the "glue" that holds all these the Greek word "kolla," which means glue.

waste raw material such as unutilized skins of that is the principal component of connective tissue teeth, skin and blood vessels. As a structural protein in the body, however, it has different functions

available in the market these days. They may depending upon the preference of the consumer. collagen. It includes collagen made from animal etc.) as well as vegetarian collagen that is made

supplements that are used to address the usually derived from bones and skin of animals and pills, gummies, powder, and drinks. Collagen and can be consumed without the prescription of are very popular among bodybuilders and regular of their skin and bones.

2021. The global collagen market is expected to grow at 2028 to reach USD 16.7 billion by 2028. The growth of the health and beauty benefits associated with the ingestion collagen supplement enhances the health of skin by reducing improves bone health, and provides relief from joint pain.

Profitable Business of Magnesium Sulphate

Magnesium sulphate is an inorganic salt with the formula $MgSO_4(H_2O)_x$ where $0 \leq x \leq 7$. It is often encountered as the heptahydrate sulphate mineral epsomite ($MgSO_4 \cdot 7H_2O$), commonly known as Epsom salt, is a mineral. It works by replacing magnesium in the body and increasing water in the intestines. Magnesium sulphate can be used orally as a laxative to relieve occasional constipation, and to treat low levels of magnesium, the majority was used in agriculture. Not all external uses for magnesium sulphate have been approved by the FDA.

Magnesium Sulphate is a chemical compound which is a mixture of magnesium, oxygen, and sulphur. Magnesium sulphate often faced as sulphate mineral & epsomite which are commonly known as Epsom Salt.

PROJECT COST ESTIMATE CAPACITY

Magnesium Sulphate	: 72 MT Per Day
Plant & Machinery	: ₹ 2.56 Cr
Cost of Project	: ₹ 9 Cr
Rate of Return	: 29%
Break Even Point	: 58%

Magnesium Sulfate Market is to reach \$1,233.3 million by 2026, after growing at a CAGR of 5.1% during 2021-2026. The growing need to achieve high agricultural yields coupled with the substantial growth of the worldwide agricultural industry is expected to be the main driver of demand growth in the years ahead. Furthermore, increasing use of magnesium sulfate in the personal care & cosmetics sector to formulate a range of important personal care items, including hair products, skincare products, sun-tan products and skin fresheners will create new opportunities for the growth of the global magnesium sulfate industry.

Growing Business of Animal Feed (Cattle, Poultry Broiler, Pig & Fish Feed)

Animal feed is food given to domestic animals, especially livestock, in the course of animal husbandry. There are two basic types: fodder and forage. Used alone, the word feed more often refers to fodder. Animal feed is an important input to animal agriculture, and is frequently the main cost of the raising animals. Farms typically try to reduce cost for this food, by growing their own, grazing animals, or supplementing expensive feeds with substitutes, such as food waste like spent grain from beer brewing.

Animal wellbeing is highly dependent on feed that reflects a well-balanced nutrition. Some modern agricultural practices, such as fattening cows on grains or in feed lots, have detrimental effects on the environment and animals. For example, increased corn or other grain in feed for cows, makes their micro biomes more acidic weakening their

immune systems and making cows a more likely vector for E.coli. While other feeding practices can improve animal impacts.

The animal feed market is projected to grow at a CAGR of 4.90% to reach US\$460.322 billion by 2026, from US\$345.434 billion in 2020. Animal feeds are referred to as those products which are responsible for improving animals' health. The feed is given in various doses depending on the animal. Rapid urbanization and growing consumption of meat and other end products such as milk and eggs across different regions are driving the animal feed market growth opportunities during the forecast period. The feed helps in enhancing the animal's abilities by providing enriched nutrients along with the feedstuff, accelerating growth and weight gain and developing immunity.

PROJECT COST ESTIMATE

CAPACITY :	
Cattle Feed	: 33.6 MT Per Day
Poultry Broiler Feed	: 16.8 MT Per Day
Fish Feed	: 2.8 MT Per Day
Pig Feed	: 2.8 MT Per Day
Plant & Machinery	: ₹ 160 Lakhs
Cost of Project	: ₹ 1488 Lakhs
Rate of Return	: 24%
Break Even Point	: 48%

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

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Business Industry of Stone Plastic Composite (SPC) Flooring Tiles

Stone plastic composite (SPC), or solid polymer core for flooring tiles, is a type of rigid core used in vinyl flooring that is comprised of mostly limestone with a mix of polyvinyl chloride and stabilizers. As a result, it's denser due to the core being 75% limestone with a 25% PVC core fused together. Rigid cores like SPC are used in modular vinyl flooring to provide dimensional stability and rigidity. The high limestone content makes SPC incredibly dense, durable, and highly resistant to impact and indentation. Stone plastic composite is waterproof, which allows it to resist cupping and peeling. It can be installed in laundry rooms, bathrooms, basements, kitchens, and other areas prone to moisture or temperature changes.

SPC floor is green and environmentally friendly, truly zero formaldehyde, waterproof, suitable for any place, good anti-skid performance, comfortable foot feel, comparable to solid wood flooring, wear-resistant, long service life, fire and flame retardant, suitable for geothermal, heat preservation and energy saving, convenient and quick installation.

The Global Stone Plastic Composite Flooring Market size was estimated at USD 24.00 Billion in 2020 and expected to reach USD 27.35 Billion in 2021, at a Compound Annual Growth Rate (CAGR) 14.26% to reach USD 53.44 Billion by 2026. The growing demand of the product due to zero formaldehyde emissions, stain-resistance, anti-slipage, superior stability, fire-resistance and others, increasing number of construction activities along with growth of the construction industry across the globe, easy availability of the affordable and well as rigid product are some of the major as well as impactful factors which will likely to augment the growth of the stone plastic composite flooring market in the projected timeframe of 2021-2028.

PROJECT COST ESTIMATE CAPACITY

Stone Plastic Composite (SPC) : 3,000 Sq. Mtr Per Day Flooring Tiles	
Plant & Machinery	: ₹ 408 Lakhs
Cost of Project	: ₹ 1011 Lakhs
Rate of Return	: 28%
Break Even Point	: 65%

Start Manufacturing of uPVC Profiles for Doors and Windows

Unplasticized Polyvinyl Chloride (uPVC) is a rare material that delivers all requirements comprehensively. The incredible combination of properties it has to offer has contributed to its widespread utilization. According to the British Plastics Federation (BPF), about 80% of the world's windows today are made of uPVC. The uPVC profile is basically an extruded section of a mixture of PVC with certain additives to make it suitable for making uPVC Windows and Doors.

The impressive properties of uPVC like rigidity, lightness, thermal and weather resistance, durability, and low cost of production made it a huge commercial success. It is highly recommended by builders and architects till date, for its versatility and utility, especially as a

window framing material.

uPVC products are fire retardant. This is because they contain more than 70% unplasticised uPVC which turns 57% Chlorine. This contributes efficiently to the flame retardant. Further, it has very high ignition temperature 400°C against 210°C of wood and has an index of 50% against 21% for wood.

Doors are a must for everyone who likes the idea of keeping up with the time. Very elegant yet functional, these are made out of high-tech rust proof frames and rigid, extruded uPVC profiles. These doors are made as per the customer requirement. uPVC Doors have various advantage over other doors namely they are waterproof, Termite Proof, Fire Retardant, Economical, No Wharping, Maintenance free easy to install & available in various colours shades & no hassles of Painting & Polishing.

The UPVC window and door market is growing at a faster pace with substantial

growth rates over the last few years. The global uPVC market was valued at USD 43.32 Billion in 2018 and is expected to reach USD 70.47 Billion by the year 2026, at a CAGR of 6.3%. uPVC is also known as rigid PVC or unplasticized PVC.

PROJECT COST ESTIMATE

CAPACITY :

uPVC Profiles	: 2,000 Kgs Per Day
Wood Laminated uPVC Profiles	: 1,570 Kgs Per Day
Plant & Machinery	: ₹ Lakhs
Cost of Project	: ₹ Lakhs
Rate of Return	: 26%
Break Even Point	: 75%

Entrepreneurial Opportunities in Highway Guard Crash Barrier, Traffic Barriers Highway Safety Guardrail (Roll Forming with Metal Beam and Galvanizing Plant)

Metal Beam, Highway Guard Crash Barrier Traffic barriers also known as guardrails or guard rails and in Britain as crash barriers keep vehicles within their roadway and prevent them from colliding with dangerous obstacles such as boulders, sign supports, trees, bridge abutments, buildings, walls, and large storm drains, or from traversing steep (non-recoverable) slopes or entering deep water.

To make sure they are safe and effective, traffic barriers undergo extensive simulated and full scale crash testing before they are approved for general use. While crash testing cannot replicate every potential manner of impact, testing programs are designed to determine the performance limits of traffic barriers and provide an adequate level of protection to road users.

Highway construction in India increased at 21.44 per cent CAGR between FY16-FY19. In FY19, 10,855 km of highways were constructed, and the Government had set a target for constructing 12,000 km of national highways in FY20. In March 2020, NHAI (National Highways Authority of India) accomplished the highest ever highway construction of 3,979 kms.

PROJECT COST ESTIMATE

CAPACITY :

Metal Beam Highway Crash Barrier	: 200 MT Per Day
MS Sheet Scrap	: MT Per Day
Plant & Machinery	: ₹ 905 Lakhs
Cost of Project	: ₹ 2973 Lakhs
Rate of Return	: 30%
Break Even Point	: 46%

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

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

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

Dairy farming is a type of agriculture that involves the long-term production of milk that is then processed and sold as a dairy product. Small/marginal farmers and agricultural labourers rely on dairying for supplemental income. Agriculture provides roughly 33 percent of India's gross domestic product, and agriculture employs 66 percent of the country's economically active people. Livestock products are anticipated to account for 21% of the total agriculture industry.

India produces the most milk in the world and is the major exporter of skimmed milk powder, but it exports very few additional milk products. India may become a net importer of dairy goods in the future due to rising domestic demand for dairy products and a substantial demand-supply gap.

Milk is defined as the whole, fresh, clean lacteal secretion obtained by complete milking of one or more healthy milch animals, excluding milk obtained within 15 days before and 3 days after calving or such periods as may be necessary to render the milk practically colostrum-free and containing the minimum prescribed percentage of milk fats and S-N-F.

Butter is a dairy product created from the solid parts of milk (fat and protein). One of the most concentrated forms of fluid milk is butter. To

**Start Investing in
Dairy Farming &
Dairy Products
(Milk, Butter, Ghee,
Paneer & Curd)**

make one kilogramme of butter, you'll need twenty litres of whole milk.

Ghee is a sort of clarified butter made mostly from cow's milk. Because the water and milk solids have been removed, it is higher in fat than butter. When opposed to butter, ghee has a greater smoke point, thus it doesn't burn as quickly.

Paneer is a popular Indian indigenous dairy product that is akin to an unripe Ned kind of soft cheese that is used in a range of culinary meals and snacks.

Curd is a solid rather than a liquid product. Proteins make up a large portion of the dry matter in curd, although it also contains carbs, lipids, and minerals.

Dairy farming has evolved from a traditional family-run enterprise to a highly structured industry with technology specialties at every step of the process.

Dairy farming machinery has advanced dramatically, allowing contemporary dairy farms to manage hundreds of dairy cows and buffaloes.

PROJECT COST ESTIMATE

CAPACITY :

A2 Milk	: 3,650 Kgs Per Day
A2 Butter	: 57 Kgs Per Day
A2 Ghee	: 50 Kgs Per Day
A2 Paneer	: 178.50 Kgs Per Day
A2 Curd	: 1,244 Kgs Per Day
Manure	: 7,000 Kgs Per Day
Plant & Machinery	: ₹ 337 Lakhs
Cost of Project	: ₹ 1965 Lakhs
Rate of Return	: 26%
Break Even Point	: 42%

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

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SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT EACH DETAILED PROJECT REPORT (BUSINESS PLAN) CONTAINS



BEGINNING : Project Introduction, Brief History of the Product, Properties, BIS (Bureau of Indian Standard) Specifications & Requirements, Uses & Applications.

MARKET SURVEY : Present Market Position, Expected Future Demand, Statistics of Imports & Exports, Export Prospect, Names and Addresses of Existing Units (Present Manufacturers).

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

"Million-Dollar Business Ideas: 1.25 - 1.50 Crore (Plant and Machinery): Based Projects for Aspiring Entrepreneurs: Curated Project Profiles"



- » 3 Star Hotel with 2 Banquet Hall & Restaurant
- » Activated Carbon from Bamboo
- » Activated Carbon from Coconut Shell
- » Alloy Wheels for 2 Wheelers
- » Aluminium Cans for Brewery Industry
- » Ayurvedic /Herbal Hand Sanitizer
- » Baby Wet Wipes and Facial Wet Tissues
- » Biodegradable Plastic Pellets • Corn Starch



- Thermoplastic & Polyvinyl Alcohol • PBAT & Corn Starch Thermoplastic • PLA + PBAT + Corn Starch Thermoplastic • PLA + PBAT + Caco3
- » Biodegradable Plastic Products (Bags, Plates & Glasses)
- » Cattle Farming (500 Cows)
- » Charcoal from Biomass
- » Chilli Powder, Chilli Flakes & Chilli Oil
- » Coconut Oil from Copra



- » Concentrated Manganese Ore
- » Copper Cathode from Copper Scrap
- » Curcumin Extraction Unit
- » Curcumin from Turmeric
- » Dal Mill (Pulses)
- » Disposable Plastic Syringes
- » Dry Fruits Processing (for Snack, Almond, Pistachio and Cashew Nut)
- » Dry Lemon Powder and Lemon Oil



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

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SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT

» E-waste Recycling Plant

» Fatty Alcohol

» Ferro Molybdenum

» Ferro Vanadium

» Fire Clay Bricks

» Fruit Wine

» Furfural from Bagasse and Corncobs

» Hand Sanitizer Manufacturing

» HDPE Pipes

» Hemodialysis Blood Tubing

» Plastic Waste Recycling Plant

» Industrial Gases

» Integrated Unit (Herbal Hair Oils, Herbal Cosmetic, Ayurvedic Pharmacy)

» JCB Bucket Pin and JCB Tooth Nuts, Bolt and Pin Bush

» Jute Bags, Jute Sacks, Gunny Bags

» LPG Bottling Plant

» Macaroni

» Macaroni, Spaghetti, Vermicelli and Noodles

» Magnesium Sulphate (Fertiliser Grade)

» Collagen Powder

» Manufacturing of Disposable Personal Protective Equipment (PPE) Kit



» Medical Disposables: Disposable Syringes (Self Destructive) with Needles, Catheters and Mask

» Menthol Crystal from Mentha Oil

» Metal Cutting Wheels (TMT Bar Cutting)

» Peanut Butter

» Plastic Waste Recycling Plant

» Porcelain Insulator

» Potato Flakes

» Potato Flakes and Pellets

» Potato Powder

» Potato Powder, Flakes and Pellets

» Pouch Packing Automatic Plant -Flexible Packaging (Namkeen, Spice, Mehandi, Milk, Ghee and Zipped Pouches)

» Pre-mix and Animal Feed (Poultry and Cattle)

» Prestressed Concrete Sleepers

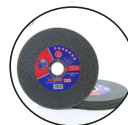
» Production of Artemisinin from Artemisia Annua Plant

» Latex & Nitrile Gloves

» Tomato Puree and Fruit Concentrate With Hot Break Process

» Protein Bar

» Reduction of Manganese Dioxide To Manganese Oxide 42% (by Rotary Kiln)



» Roller Flour Mill (Atta, Maida & Suji)

» Rose Plantation & Rose Oil Extraction

» Sanitary Napkins

» Activated Charcoal from Bamboo

» Spices (Turmeric, Chilli & Masala Powder)

» Lithium Ion Battery (Battery Assembly)

» Latex Rubber Thread Manufacturing Plant

» Surgical Blade & Disposable Scalpel

» Talc from Talc Ore (Cosmetic Grade)

» Toughened Glass (Tempered Glass) Toughened Glass

» UPVC Pipes

» UPVC Profiles for Doors and Windows

» Virgin Coconut Oil

» Wheat Flour Mill (Atta, Maida & Suji)

» Wood Plastic Composite (WPC)

» Workwear, Uniform Clothing for Factory (Trousers & High Visibility Long Sleeves Jackets)

» Yeast from Molasses

» Zinc Chloride

» Zinc Oxide from Zinc Dross

» Zinc Sulphate

» Zinc Sulphate (33%, 21% & 12%)



Start Investing in Fastest Growing Industries

Milk is the most important source of protein and is consumed by people all over the world. Milk is readily available as a raw product from a range of dairy farms, and it is treated to boost the variety of nutrients. Heat treatments, pasteurisation, homogenization, and other milk processing activities are performed or handled by milk processing factories, which comprise a variety of milk processing equipment.

Cows produce A1 milk and A2 milk, which are two different types of milk. A2, commonly known as desi cow milk, enhances overall health and nutritional value by removing digestive discomfort. According to studies, desi cow milk is healthier than A1 milk.

A2 milk is a natural, antibiotic-free alternative to industrial milk, which contains stress hormones and antibiotics. Similarly, desi cow milk is wholesome and chemical-free.

Cow milk derived from Desi cows with a hump on their back is known as A2 milk. Furthermore, desi cow milk has A2 beta protein, which makes it

Start Business of A-2 Cow Milk Processing (Milk, Butter, Ghee & Paneer)

healthier and more nutritious than conventional cow milk, which contains A1 protein.

The global a2 milk market was worth \$1,129.7 million in 2019 and is expected to grow to \$3,699.2 million by 2027, with a CAGR of 15.8% from 2021 to 2027. The liquid a2 milk segment held the largest proportion of

the market in 2019. A2 milk is a type of cow's milk that includes mostly a2 beta casein protein and is free of a1 beta casein protein. It comes from cows of specific breeds like as Guernsey, Jersey, Holstein, Brown Swiss, and others.

The key factor of driving market expansion is increasing consumer health awareness, which leads to greater consumption of A2 milk, as well as growing the range of A2 milk products, which will drive demand for the global A2 milk market.

PROJECT COST ESTIMATE

CAPACITY :

A-2 Milk (1 Ltr Tetra Pack)	: 2,250 Kgs Per Day
Butter (100 & 500 gms Pack)	: 46 Kgs Per Day
Paneer (4 Pcs or 1 Kgs Pack)	: 143 Kgs Per Day
Ghee (1 Kgs Tetra Pack)	: 40 Kgs Per Day
Plant & Machinery	: ₹ 19 Lakhs
Cost of Project	: ₹ 484 Lakhs
Rate of Return	: 25%
Break Even Point	: 58%

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

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Carbonated drinks or fizzy drinks are beverages that contain dissolved carbon dioxide. The dissolution of CO₂ in a liquid, gives rise to fizz or effervescence. The process usually involves carbon dioxide under high pressure. When the pressure is removed, the carbon dioxide is released from the solution

as small bubbles, which causes the solution to become effervescent, or fizzy. A common example is the dissolving of carbon dioxide in water, resulting in carbonated water. The Food and Drug Administration (FDA) ensures that carbonated soft drinks are safe, sanitary, and honestly labeled. In fact, FDA has established Current Good Manufacturing Practices (CGMPs) for carbonated soft drinks, which describe the basic steps manufacturers and distributors must follow to make sure carbonated soft drinks are safe.

Carbonated water is water that manufacturers infused with carbon dioxide gas. Drinking sparkling water provides the same sensation as drinking a soda without the added calories and sugar. Most manufacturers flavor carbonated water using natural flavors. You may see carbonated water sold commonly under names such as:

Investment Opportunities in Carbonated Health Drinks

Sparkling Water, Soda Water, Club Soda, Fizzy Water, and Seltzer Water.

Energy drinks are widely consumed by adolescents as these claim to improve performance, endurance and alertness. Looking at the contents in the energy drinks and their benefits, the industry may like to relook at what the consumers really need.

Increased urbanization, rising disposable income and growing health consciousness among the Indian youth has increased the demand for non-carbonated drinks called energy drinks. At the same time long and erratic working hours and the increasing occurrence of social gatherings are driving Indian consumers towards consumption of energy drinks which are primarily classified as non-alcoholic, caffeinated beverages and sports drinks.

PROJECT COST ESTIMATE

CAPACITY :

Carbonated Health Drinks Size 250 ml : 8,000 Packs Per Day

Carbonated Health Drinks Size 330 ml : 4,000 Packs Per Day

Carbonated Health Drinks Size 500 ml : 4,000 Packs Per Day

Plant & Machinery

: ₹ 49 Lakhs

Cost of Project

: ₹ 299 Lakhs

Rate of Return

: 31%

Break Even Point

: 59%

Amini steel plant is a smaller version of an integrated steel mill, which produces and processes iron and steel. The mini steel plant is a new concept in the steel industry, and has been gaining popularity in recent years due to its lower investment costs and flexibility.

Uses and Applications

Some of the most common uses include: cutting rebar, angle iron, square tubing, pipe, and flat stock; as well as punching holes in steel plate. The mini steel plant can also be used to shear plate and bar stock, and to create custom shapes from sheet metal. These products have a wide range of applications including: Construction, Manufacturing, and Automotive.

Indian Market

The global steel market size is expected to reach USD 1.01 trillion by 2025, at a registering a CAGR of 2.6% over the forecast period. Growing inclination of contractors towards sustainable, low cost and durable building materials is driving steel demand in upcoming residential projects & industrial infrastructure.

Set up Mini Steel Plant (Billets and TMT Bar)

PROJECT COST ESTIMATE

CAPACITY:

Steel Billets : 150 MT Per Day

(Size 100mm x 100mm to 180mm x 180 mm Sections of Max. 6 meter length)

TMT Steel Bars (Rebar) : 150 MT Per Day

(Size DB 8 to 40 mm)

Plant & Machinery : ₹ 5445 Lakhs

Cost of Project : ₹ 10417 Lakhs

Rate of Return : 28%

Break Even Point : 37%

Profitable Business Industry of Electric Motors

An electric motor is an electrical machine that converts electrical energy into mechanical energy. Some motor manufacturers, particularly those that produce sizes of 5 hp and up, finish-machine the bearing journals and rotor diameter as a rotor assembly. This operation produces the best possible concentricity between the bearing journals and rotor diameter. Most electric motors operate through the interaction between the motor's magnetic field and electric current in a wire winding to generate force in the form of torque applied on the motor's shaft. The applications of electrical motor include the following.

- The applications of electrical motor mainly include blowers, fans, machine tools, pumps, turbines, power tools, alternators, compressors, rolling mills, ships, movers, paper mills.
- The electric motor is an essential device in different applications like HVAC- heating ventilating & cooling equipment, home appliances, and motor vehicles.

The Indian market for electric motors is highly fragmented owing to the presence of a large number of players including major companies and medium-sized enterprises. India Electric Motors Market is projected to grow at a CAGR of 5.9% during 2020-2026. The growing acceptance of electric vehicles is catalyzing the growth of the electric motors market size globally and in India as well. An upsurge in demand for automotive electric motors is expected over the coming years owing to rising fuel prices and stringent regulations towards reducing the air pollution level across the nation. Additionally, FAME II for 100% vehicle electrification, Make in India program and other initiatives to achieve India's target of becoming a global manufacturing hub would continue to boost the demand for electric motors in the country.

PROJECT COST ESTIMATE

CAPACITY :

5 KW Three Phase Induction Motors : 120 Nos. Per Day

10 KW Three Phase Induction Motors : 120 Nos. Per Day

10 KW Brushed DC Motors : 120 Nos. Per Day

Automated Water Pump 5 KW : 120 Nos. Per Day

Three Phase Induction Motors

Plant & Machinery : ₹ 467 Lakhs

Cost of Project : ₹ 3949 Lakhs

Rate of Return : 26%

Break Even Point : 41%

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

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Grain processing, as exemplified by four milling, is essentially a physical process whereby the kernel is cleaned, adjusted to an appropriate moisture content and then mechanically reduced to the desired particle size to produce a flour. Where appropriate, four production also involves fractionation not only to separate bran, germ and endosperm from each other but also assure the correct particle size of the milled endosperm. The process involves neither chemical nor thermal treatments and thus does not bring about decontamination of the grain itself. The milling process can bring about changes in the distribution of contaminants when comparing amounts within the grain and the resultant mill fractions.

Major food grains basically used:

- Directly as food.
- For the production of starch, and starch to glucose.
- For the production of vegetable oil.
- For the production of protein rich food.
- For the production of cattle feed.
- In directly produced corn steep liquor which is used in the fermentation method as vitamin

source or mineral source.

Cereals and grains processing market is expected to grow at a rate of 10.40% in the period 2020 to 2027. The rising consumption of food

**Business Industry of
Grain Processing
(Grading, Cleaning &
Packaging of Rice &
Pulses)**

products is the major factor driving the growth of cereals and grains processing market in the period of 2020- 2027. Agriculture is the primary source of livelihood for about 58% of India's

population. Gross Value Added by agriculture, forestry, and fishing was estimated at Rs. 19.48 lakh crore (US\$ 276.37 billion) in FY20. Share of agriculture and allied sectors in gross value added (GVA) of India at current prices stood at 17.8 % in FY20. Consumer spending in India will return to growth in 2021 post the pandemic-led contraction, expanding by as much as 6.6%.

PROJECT COST ESTIMATE

CAPACITY :

Moong Dal	: 1 MT Per Day
Masur Dal	: 1 MT Per Day
Toor Dal	: 1.5 MT Per Day
Chana Dal	: 1 MT Per Day
Kabuli Chana	: 1 MT Per Day
Desi Chana	: 1.5 MT Per Day
Katni Rice	: 1.5 MT Per Day
Bengal Joha Rice	: 1 MT Per Day
Assam Joha Rice	: 1.5 MT Per Day
Sonam Rice	: 1.5 MT Per Day
Groundnut	: 2 MT Per Day
Plant & Machinery	: ₹ 63 Lakhs
Cost of Project	: ₹ 1.65 Cr
Rate of Return	: 31%
Break Even Point	: 58%

A vacuum blood collection tube is a sterile glass or plastic test tube that uses a stopper to create a vacuum seal inside the tube and enable the depiction of a predetermined volume of liquid. The vacuum blood collection tube prevents needle stick damage by preventing needles from coming in human contact and thus, contamination. The vacuum blood collection tube contains a double pointed needle, attached to a plastic tubular adapter. Double pointed needles are available in many gauge sizes. Vacuum blood collection tubes may contain additional constituents which are used to preserve blood for treatment in a medical laboratory.

A vacuum blood collection tube is mostly used by clinics and laboratories for storing blood for future testing. Vacuum blood collection tubes have a substitute which can preserve blood for an extended period for testing processes. Vacuum blood collection tubes are available in different types of sizes and specimens. Blood collection tubes expire because over time the vacuum is lost and blood will not be

**Manufacturing
Business of
Blood
Collection
Tubes
(Vacutainer)**

drawn into the tube when the needle punctures the cap.

Blood Collection Tubes Market size is estimated to reach \$2.81bn by 2025, growing at a CAGR of 7.1% during the period 2020-2025. Blood plays an important role in the diagnosis and treatment of many diseases. The blood processing includes the collection, storing and managing the blood after collected from the donor. The blood collection tubes which are also known as vacutainers

are made of either plastic or glass, these tubes are sterilized and have a safety-engineered stopper with different labeling options with the volume on it and color of the caps indicates the additives in the tube.

PROJECT COST ESTIMATE

CAPACITY :

Blood Collection Tubes (Vacutainer) : 100,000 Nos. Per Day	
13x100 with EDTA	
Blood Collection Tubes (Vacutainer) : 100,000 Nos. Per Day	
13x75 Plain	
Plant & Machinery	: ₹ 345 Lakhs
Cost of Project	: ₹ 983 Lakhs
Rate of Return	: 30%
Break Even Point	: 51%

**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%

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