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SELECTED BUSINESS IDEAS FOR YOU

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

ilk 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.

Capacity :

A-2 Milk (1 Ltr Tetra Pack)

Ghee (1 Kas Tetra Pack)

Plant & Machinery:

Cost of Project:

Rate of Return:

Break Even Point:

COST ESTIMATION

Butter (100 & 500 gms Pack) : 46 Kgs Per Day

Paneer (4 Pcs or 1 Kgs Pack) : 143 Kgs Per Day

: 2,250 Kgs Per Day

: 40 Kgs Per Day

: ₹ 19 Lakhs

:₹484 Lakhs

: 25%

: 58%

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 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

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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.

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

airy 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

COST ES	TIMATION
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%

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 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 specialities at every step of the process. Dairy farming machinery has advanced dramatically, allowing contemporary dairy farms to manage hundreds of dairy cows and buffaloes.

Profitable Industry of **Adhesive** (Fevicol Type–D2, D3, D4)

n adhesive is a material that is used to hold two surfaces together by wetting them, adhering to them, and developing strength after application, and remaining stable. Prior to applying the glue, it is critical to prepare the surface. Polymeric materials, both natural and manmade, are the most common source ingredients for adhesives. The way adhesives react

COST EST	city
Fevicol Type Adhesive (D2, D3 & D4)	: 10 MT Per Day
Plant & Machinery	: ₹ 78 Lakhs
Cost of Project	: ₹ 247 Lakhs
Rate of Return	: 27%
Break Even Point	: 53%

chemically after they've been applied to the surfaces to be connected is a good approach to identify them. There are numerous adhesives available, and one that is suited for the materials being connected must be selected.

Applications:

 a) Adhesives, such as white craft glue, are utilised in lightweight materials such as cardboard, paper, fabric, and children's crafts. Water is usually their

carrier, making them easier to clean and less dangerous. Before any strength can be detected, these types of glue must cure.

b) In the fabric industry, adhesive is used. Fabric adhesives, such as liquid white glues like polyvinyl acetate, can be used to achieve this.

c) Acrylate adhesives are commonly used in the ceramic and leather industries. These glues tend to join quickly and provide a strong connection with a clear finish.

d) Adhesive is used in the paint industry to improve paint and coating adhesion.

Wood Type Adhesives are a cost-effective and environmentally benign alternative to solvent-based adhesives. The absence of volatile organic chemicals is a major advantage of water-borne adhesives. Acrylics have a variety of features, including durability, colour preservation, quick drying, environmental friendliness, impact resistance, and so on.

Start Production of Paracetamo (BP/IP/USP Grade)

India is the world's top supplier of generic pharmaceuticals. The Indian pharmaceutical industry supplies more than half of global demand for vaccines, 40% of generic demand in the United States, and 25% of all pharmaceuticals in the United Kingdom. Around 70% of India's need for bulk pharmaceuticals, drug intermediates, pharmaceutical formulations, chemicals, tablets, capsules, orals, and injectable is

ST	ESTIMATION

Capacity :

Paracetamol Powder (IP/BP Grade)	:	50 MT Per Day
Acetic Acid	:	72 MT Per Day
(31% Conc.) By Product		•
Plant & Machinery	:	₹ 962 Lakhs
Cost of Project	:	₹ 2887 Lakhs
Rate of Return	:	32%
Break Even Point	:	52%

met by the pharmaceutical industry.

Paracetamol Powder's Applications: Fever, Discomfort relief, Osteoarthritis, Lower Back Pain, Headache Swiss, Toothache, Menstrual Period Pain, Cold/Flu Pain

During the forecast period, India's paracetamol market is expected to rise at a rapid pace. The extensive usage of paracetamol as a first-line treatment for pain and fever relief drives the paracetamol market in India. Additionally, the drug's broad use in COVID-19 patients to reduce various symptoms of cold, cough, and fever is predicted to drive market growth through FY2026. By 2025, the Indian pharmaceutical sector is estimated to be worth US\$ 100 billion, while the medical device market would be worth US\$ 25 billion. In FY20, India's pharmaceutical exports totaled US\$ 16.3 billion.

Manufacturing of Alloy Wheels for 2 Wheelers

The wheel is a mechanism that allows an object to travel efficiently across a surface when there is a force forcing the object against it. Because of the structure of wood, a horizontal slice of a trunk does not suit, because it does not have the structural strength to support weight without collapsing, and rounded portions of longitudinal boards are necessary.

Automobile wheels composed of an alloy of aluminium or magnesium metals are known as alloy wheels (or sometimes a mixture of both). Alloy wheels differ from regular steel wheels in that they are lighter, which improves vehicle speed. Alloy wheels are significantly lighter than steel wheels, allowing them to perform better in most conditions. Alloy wheels have a significant advantage in terms of fuel economy, especially in urban areas. Because alloy wheels have a lighter structure, they will put less load on the vehicle's suspension. Faster acceleration will be

possible as a result of this. Because of their superior performance and attractive appearance, alloy wheels are now the standard wheels for most cars. Alloy wheels are more expensive than steel wheels, however they make up the majority of OEM wheels on the market. This gives you a wider range of choices and options.

 COST ESTIMATION Capacity

 Alloy Wheel for 2 Wheeler : 1,000 Pcs Per Day

 Plant & Machinery
 : ₹ 133 Lakhs

 Cost of Project
 : ₹ 891 Lakhs

 Rate of Return
 : 26%

 Break Even Point
 : 58%

In India, the entire alloy wheel

industry has been steadily rising, with growth likely to pick up in the next 5-6 years. In terms of value, the alloy wheel market is estimated to be around INR 21,000 million. In India, alloy wheels account for less than 20% of the market, compared to steel wheels, which account for more than 80%. In India, the outlook for the alloy wheel market in the short to medium term is promising.

Production Business of Fiberglass Wool Ceiling Tiles

F iberglass ceiling tiles are primarily constructed of glass fibres encapsulated in polymers and offer a number of benefits in a variety of settings. These are frequently environmentally beneficial building materials; lighter tiles can also be thrown directly to the ceiling without sagging or ageing harm. Fiberglass, often known as glass wool, is one of most effective insulation materials available, both in terms of thermal and acoustic insulation. Even when in direct and continuous contact with flames, it is a non-combustible material. It does not produce toxic gases or smoke, which are two of the most dangerous health and life threats in the case of a fire. Glass wool is non-combustible. It does not emit noxious fumes or smoke, which are two of the most dangerous health and life risks associated with a burn. Fiberglass acoustic ceiling tiles are lightweight, easy to handle, and provide the finest sound absorption.

The fibre ceiling industry in India has a bright future, with prospects in both

the commercial and residential sectors. Increased need for acoustic and thermal insulation, rising disposable income in developing nations, and altering consumer

preferences toward the aesthetics of house and business structures are all projected to boost the industry. Market dynamics are likely to profit from the usage of sustainable and innovative building solutions that include the use of eco-friendly materials for ceilings, floors, and walls. The high raw material costs of ceiling tiles are stifling the market's expansion. Furthermore, ceiling tile installation is expensive

(npcs)

COST ESTIMATION				
Capacity				
Fiberglass Wool Ceiling Tiles	: 3,000 Sq. Mtr. Per Day			
Plant & Machinery	: ₹ 482 Lakhs			
Cost of Project	: ₹ 1082 Lakhs			
Rate of Return	: 27%			
Break Even Point	: 52%			
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because it demands the services of experienced professionals.

Industrial and Pharmaceutical Grade Starch from Cassava, Maize and Tacca Roots

assava, sorghum, maize, sago, and potatoes are all sources of starch. However, the focus of this initiative was on cassava starch production. Starch can be cross-linked to create a product that can be used to make noodle, salad cream, and custard. Normally, corn and potato starch are used to create this product, however cassava, which is easily available and inexpensive, can be used to suit the need of the people.

CASSAVA STARCH: Cassava (ManihotesculentaCrantz), also known as yucca in Central America, mandioca or manioca in Brazil, tapioca in India and Malaysia, and cassada or cassava in Africa and Southeast Asia 39, 40, is a lowland tropics starchy staple and a major source of food support for some of the world's poorest countries.

MAIZE STARCH: Maize starch is a starch made from the grain of corn

(maize). The starch is extracted from the kernel's endosperm. Corn starch is a common culinary additive that is used to thicken sauces and soups, as well as to manufacture corn syrup and other sugars.

TACCA STARCH (TACCA LEONTOPETALOIDES): Tacca starch comes from the rhizomes of Taccaleontopetaloides, which

\langle COST ESTIMATION \rangle				
Capacity:				
Industrial Grade Starch	: 37.5 MT Per Day			
Pharmaceutical Grade Sta	rch: 12.5 MT Per Day			
Plant & Machinery	: 257 Lakhs			
Cost of Project	: ₹ 1255 Lakhs			
Rate of Return	: ₹ 28 %			
Break Even Point	: 76%			
	/			

belongs to the Taccaceae family. About 30 species of perennial herbs with tuberous or creeping rhizomes can be found in the damp tropics of Asia, Australia, and the Pacific islands under the genus Tacca. The tubers have a dry matter content of 22.40 percent and a starch content of 10.22 percent.

The Industrial Starch Market is growing due to increased usage of starch in the production of biodegradable plastic and food items, as well as its additions in bakeries, snacks, drinks, and functional foods, as well as rising demand in various non-food applications. Starch and its derivatives serve as thickeners, stabilisers, sizing agents, fat replacers, and binding agents in a variety of meals. The global modified starch market is expected to be worth USD 13.1 billion in 2020, rising to USD 14.9 billion by 2025, representing a CAGR of 2.7 percent.

Business Opportunities in Non-Woven Geotextile

Permeable geosynthetics made of textile or fabric materials are referred to as geotextiles. Polypropylene, polyester, polyethylene, polyamide, and other polymers are used in the production of geotextiles. Separation, drainage, filtration, strengthening, and protection are all essential functions of geotextiles. Geotextiles are employed in India in a variety of ways.

Non-woven geotextiles are made by chemically or thermally glueing materials together, needle punching, or other processes. Non-woven geotextiles are made of

synthetics and are commonly utilised in filter or separation applications, as well as projects where pooling water is a big concern.

When both soil isolation and permeability are necessary, nonwoven geotextiles are used. These materials are frequently used to wrap French drains or in conjunction with other sub-surface drainage systems. River erosion protection, railways, landfills, canals, and water-proofing are all applications for non-woven geotextile.

Non-woven is also commonly utilised beneath rock riprap revetment, where drainage and separation are important. In terms of volume, nonoven geotextiles are the most common type of geosynthetic. Geotechnical engineering, heavy construction, building and pavement construction, hydrogeology, and environmental engineering are only a few of the

applications.

The non-oven geotextiles market in India is expected to develop at a CAGR of roughly 12% between 2017 and 2026, according to the "India Geotextiles Market report." The geotextiles market in India has been divided into three categories: woven, nonwoven, and knitted. In India, the

COST	ESTIMATION
	Capacity

Ion-Woven Geotextile	: 200,000 SQM Per Day
Plant & Machinery	: ₹ 4312 Lakhs
Cost of Project	: ₹ 5419 Lakhs
Rate of Return	: 27%
Break Even Point	: 37%
<u></u>	

nonwoven geotextile market has the largest share of these categories.

Lucrative Business of **Milk Powder** (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea)

ilk is a vital component of human nutrition. It's tasty, easy to digest, and nutrient-dense. Proteins, fat, sugar, minerals, and a variety of vitamins are all present in large amounts. India is only second to the

United States of America and the Soviet Union in terms of milk production in the world. However, India's milk production is insufficient to meet the needs of its huge population, as daily average intake per person is less than half of the ideal requirement of roughly 310 grammes.

Fresh milk products, concentrates, and dried goods are all available as options for milk and milk products. Fresh milk and concentrates can be substi-

COST ESTIMATION				
Capacity:				
Baby Milk Powder 400 gms Size Pack	: 62,500 Nos Per Day			
Milk Powder for Tea & Coffee 200 gms Size Pack	: 25,000 Nos Per Day			
Milk Powder for Tea & Coffee 500 gms Size Pack	: 10,000 Nos Per Day			
Plant & Machinery:	: ₹ 948 Lakhs			
Cost of Project:	: ₹ 2711 Lakhs			
Rate of Return:	: 29%			
Break Even Point:	: 50%			

tuted with milk powders. Converting liquid dairy streams to powder provides a handy and steady supply of milk solids.

From 2018 to 2025, the global milk powder market is expected to increase at a CAGR of 4.4 percent, from \$27,783.3 million in 2017 to \$38,086.1 million in 2025. Milk powder is a dry dairy product made by evaporating milk to dehydrate it. Making milk powder has the goal of extending the shelf life of milk without the need of a refrigerator. Whole milk powder, skimmed milk powder, dairy whitener, and various varieties of milk powder are available.

Production of Copper Wire Drawing & Enamelling

opper is one of the most ancient materials and one of the most extensively used non-ferrous metals nowadays. Copper is easy to stretch, mould, and shape, is corrosion-resistant, and conducts heat and electricity well.

Per Day

Per Dav

Copper was crucial to early humans as a result, and it is still used in a range of home, industrial, and high-COST ESTIMATION tech uses today.

Capacity:

(npcs)

Copper wire is used in

the winding of motors and

transformers. Copper wire

comes in a variety of gauges

(32 gauge to 18 gauge).

The copper wire gauge is

determined by the winding

required for the particular

motor or transformer. For submersible motor winding, wire with a conductor

	capacity.		
	Copper Wire (0.914 to 0.376 mm)	:	350 Kgs Per Day
	Enamelled Copper Wire (0.914 to 0.376 mm)	:	350 Kgs Per Day
	Intermediate Copper Wire (2.5 mm)	:	4,000 Kgs Per Day
	Intermediate Copper Wire (1.2 mm)	:	5,000 Kgs Per Day
	Plant & Machinery	:	₹ 432 Lakhs
	Cost of Project	:	₹ 1233 Lakhs
	Rate of Return	:	28%
ļ	Break Even Point	:	46%

diameter of 0.500 to 4.000 mm is appropriate. Copper wire is in high demand among motor and transformer manufacturers, and it is also utilised in the rewinding of motors and transformers.

Copper wire is utilised in a wide range of applications, including power generation, transmission, distribution, telecommunications, electronics circuitry, and a wide range of electrical equipment. Electrical connections are also made of copper and copper alloys. The copper industry's most important market is building electrical wire.

Copper is mostly utilised in the electrical sector for parts of electrical apparatus, bus bars, and wire, among other things. Copper is not very ductile at temperatures between 250 and 600°C, and because to its extreme brittleness, it cannot be forged or stamped at temperatures exceeding 800°C. Only its alloys bronze and brass are commonly forged or stamped, and pure copper is rarely forged or stamped.

The expanding demand for power, light, and communication has kept cables and wires, which account for nearly 40% of India's electrical industry, in high demand. Wires and cables are used extensively in a variety of industries and play an important part in every element of infrastructure development.

Emerging Production Business of Tomato Ketchup & Mayonnaise

omatoes are one of India's most significant food crops. It can be found in practically every state in the United States. Bihar, Karnataka, Uttar Pradesh, Orissa, Andhra Pradesh, Maharashtra, Madhya Pradesh, and West Bengal are among the largest producers. Tomatoes are high in vitamins A and C, as well as potassium, minerals, and fibre. Because the raw material is widely available across the country. Because of its high nutritional value, tomatoes are one of the most significant "protective foods." It is one of the most adaptable vegetables, with a long history of use in Indian cuisine.

One of America's favourite condiments is ketchup, an acidic, seasoned tomato sauce. Although ketchup, sometimes known as catsup, is typically used as a condiment for hamburgers, hot dogs, and French fries, it is also used in sauces, meatloaf, beans, and stews.

Mayonnaise is one of the most widely used sauces worldwide. It's a semisolid oil-in-water emulsion made from egg yolks, vinegar, oil, and a few additional ingredients. Mayonnaise comes in a variety of colours, however it is most commonly white, cream hue, or pale yellow. It can be anything from a light cream to a thick gel in texture. Mayonnaise is an emulsion, which is a combination of two liquids that would typically not mix. The classic example is combining oil and water.

In 2020, the worldwide tomato ketchup market will Capacity: be worth US\$ 19.70 billion. From 2021 to 2026, the market is expected to increase at a CAGR of 4.70 percent. Tomato ketchup, often known as table sauce, is a cold condiment made from soft red tomatoes that goes well with both hot

capacity.		
Tomato Ketchup (500 gms Size Glass Bottle)	:	4,000 Nos. Per Day
Mayonnaise (500 gm Size Glass Bottle)	:	2,000 Nos. Per Day
Mayonnaise (200 gm Size Pouches)	:	5,000 Nos. Per Day
Plant & Machinery:	:	₹ 67 Lakhs
Cost of Project:	:	₹ 362 Lakhs
Rate of Return:	:	30%
Break Even Point:	:	57%

and cold foods. It has a sweet and tangy flavour and is frequently used to improve the flavour of snacks and appetizers.

The mayonnaise and salad dressing business in India is emerging as one of the most active and quickly increasing markets in the food services sector. The need for sophisticated taste in meals is becoming a developing trend in the food business, which is having a beneficial impact on the mayonnaise and salad dressing markets as a result of rising standards of living and changing lifestyles.

Manufacturing of **HDPE** Pipes

DPE pipe has been utilised in non-potable water applications for decades. HDPE pipes, in particular, are popular because of their welded connections. While welding requires special equipment to make the weld, it does away with the necessity for separate fittings, which are a common cause of leaks and contaminant infiltration.

HDPE is a very flexible polymer that can withstand more abuse on the job site than more brittle polymers like PVC. Turns in the piping system can also be made without the use of additional joints because to flexibility. Because it is lightweight, corrosion resistant, quick to install, and has a low maintenance cost, high density polyethylene (HDPE) is utilised as a drainage pipe material. The premise behind the design of HDPE corrugated drainage pipe is that it will deform and so reduce

stress. As a result, ductility is a critical property for allowing for permitted deflection during the pipe's service life. Due to a process known as "slow crack progression," HDPE resins with low ductility might cause unexpected cracking in the pipe. The stress crack resistance (SCR) of HDPE resins must be appropriately analysed to reduce such cracking.

	TIMATION
Сар	acity
HDPE Pipes	: 7,200 Kgs Per Day
Plant & Machinery	: ₹ 82 Lakhs
Cost of Project	: ₹ 541 Lakhs
Rate of Return	: 27%
Break Even Point	: 60%

HDPE pipes are non-corrosive and easy to deal with, making them more convenient and long-lasting. HDPE pipes are lightweight and use less energy in the production process. Other polyethylene's, on the other hand, have different densities, hyper-branched crystallinities, and molecular weights and chain structures.

The India HDPE Pipes Market was worth \$99.9 million in 2018, and is predicted to grow at a CAGR of 11.2 percent from 2019 to 2026, reaching \$233.5 million. Raw materials such as PE 63, PE 80, and PE 100 are used to make high density polyethylene (HDPE) pipes. HDPE pipes are 6-8 times lighter than cast iron and galvanised iron pipes, which is one of their major advantages.

Profitable Industry of Bamboo Sticks

amboo is a tribe of flowering perennial evergreen plants in the grass family Poaceae, subfamily Bambusoideae, tribe Bambuseae; however, forestry services and departments in many countries where bamboo is used as a building material consider bamboo to be a forestry product, and it is specifically harvested as a tree exclusively for the wood it produces, which is in many ways superior to wood. In fact, cultures who harvest it for wood commonly refer to it as a tree.

Incense sticks are long, cylindrical structures with a bamboo core wrapped in fragrant ingredients that fill the air with fresh air and perfume when burned. Incense sticks are used for a variety of religious purposes, including purifying the air, filling the atmosphere with positive energy, and removing negative energy from our surrounds.

Currently, the manufacturing of incense sticks is overseen by the Indian government's ministry of business and trade (GOI). Though the composition of incense sticks varies depending on the industry, the main ingredients are charcoal powder, sticky powders like Jigat, Sal resin, Guggul, Nargis powder, raw bamboo sticks, water, various oils, aromatic essence, flower

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essence, sandalwood oil, rose petals, natural and chemical aromatic ingredients, sawdust, and various colour powder.

Because the demand for incense sticks is never-ending in India, it is

sold through all channels of commerce and disseminated to people via retail. The retail mode has a favourable effect on sales, and the growth rate is expected to be approximately 6% CAGR in the next years. India is the world's largest incense stick market, both in terms of use and manufacturing. The largest presence of agarbatti goods has derived the market, which has risen at a CAGR of over 7% in the last couple of years. However, consumer acceptance

COST EST Capa	
Bamboo Sticks	: 4 MT Per Day
Plant & Machinery	: ₹ 443 Lakhs
Cost of Project	: ₹ 791 Lakhs
Rate of Return	: 26%
Break Even Point	: 45%

of dhoop goods has risen in recent years, thanks to

the items' wide selection of fragrances and long-lasting capabilities. The market for dhoop goods is predicted to increase at a CAGR of more than 9% in the future years, driving up demand for bamboo even more.

Emerging Business of Chlorinated Paraffin Wax (CPW)

The Chlorinated Paraffin's (CP) industry is a large consumer of chlorine, accounting for around 12% of all chlorine generated in the country. Chlorinated paraffin's are a type of chlorinated hydrocarbon with a straight chain length [CnH (2n + 2)], with carbon atoms ranging from C10 to C20. Chlorination of n-paraffin or paraffin wax, usually in a batch process, produces chlorinated paraffins.

Straight-chain hydrocarbons that have been chlorinated are known as chlorinated paraffins wax. Wax is classed according to its carbon-chain length and chlorination percentage, with carbon-chain lengths ranging from C10 to C30 and chlorination percentages ranging from around 35 percent to greater than 70 percent by weight. Chlorinating paraffin wax fractions derived from petroleum

COST ESTIM	Aʻ	TION
Capacity:		
Chlorinated Paraffin Wax (CPW)	:	40 MT Per Day
Hydrochloric Acid (by product)	:	50 MT Per Day
Plant & Machinery	:	₹ 641 Lakhs
Cost of Project	:	₹ 1086 Lakhs
Rate of Return	:	28%
Break Even Point	:	49%

distillation produces chlorinated paraffin wax.

This paraffin wax is commonly utilised in flexible PVC compounds as a secondary plasticizer. The provided paraffin wax is processed using advanced technology in accordance with industry quality standards. In the metalworking sector, chlorinated paraffins are

utilised as extreme pressure lubricant additives.

The market for chlorinated paraffin was valued at over USD 1.6 billion in 2016, and the sector is expected to develop at a CAGR of more than 3% through 2024. Chlorinated paraffin wax is a class of synthetic organic chemical compounds made up of n-alkanes with chlorine concentrations ranging from 30% to 70% by weight. Natural alkanes are chlorinated to generate it. By 2024, the global market for chlorinated paraffin will exceed USD 2 billion; according to global market expansion in the plastic and manufacturing industries, as well as the aerospace and automotive sectors, is a key element fueling product demand throughout growing areas.



enthol is a crystalline white substance. It can be made from natural sources or synthetically. The melting point of natural or synthesised laevo menthol is between 41 and 44°C, making it the

sole therapeutically active form. Some manufacturers categorise crystals based on their shape and size, and thus employ a variety of terminology, such as bold crystals, medium crystals, medium extra crystals, and medium extra-large crystals.

Menthol crystals are made by extracting mint essential oil (menthe arvensis), freezing the oil, and then crystallising the menthol. The crystals are crystalline and more oblong in shape, like rock crystals. They have a nice minty fresh odour and are transparent to white. Alcohol and oils are soluble in it. Menthol crystals are excellent inhalants in and of themselves, and they're simple to use into recipes.

COST ES1	TIMATION
Capacity:	
Menthol Crystal	: 1,000 Kgs Per Day
Mentha Oil	: 333.3 Kgs Per Day
Plant & Machinery	: ₹ 145 Lakhs
Cost of Project	: ₹ 592 Lakhs
Rate of Return	: 27%
Break Even Point	: 54%

Mentha Oil, with the scientific name

Mentha piperita, is also known as Menthol Liquid and comes from the United States of America. The oil is extracted by a steam distillation method and has a minty, spicy fragrance. The oil aids digestion and has a relaxing impact on muscle spasms, pains, and aches thanks to its invigorating, stimulating, and uplifting aroma.

Menthol crystals are obtained primarily from natural sources, and as a result, they are rising in popularity in both developed and developing countries. The expansion of natural based products from many industries is being pushed by manufacturers' increasing focus on natural and sustainable products. The cosmetics sector is highly regulated, thus natural-based raw ingredients are in great demand when producing cosmetics.

Setup an **Industrial Park**

arks, community halls, libraries, commercial complexes, banks, and post offices are all available in the Industrial Park. An "Industrial Park" in India refers to a project in which plots of developed space or built-up space, in combination with common facilities and high-quality infrastructure, are established and made available to units for the purposes of industrial or commercial activity.

Historically, there have been two reasons for industrial parks. First, providing functioning infrastructure in a geographically constrained location is significantly easier to plan, especially for governments with delivery constraints. Second, the

COST ESTIMATION

Capacity:																																																																		•																																																																																
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	Type 1 Industrial Plots Area 500 sq.mt. Size	:	90 Nos
	Type 2 Industrial Plots Area 1000 sq.mt. Size	:	40 Nos
	Type 3 Industrial Plots Area 2000 sq.mt. Size	:	20 Nos
	Type 4 Industrial Plots Area 5000 sq.mt. Size	:	8 Nos
	Residential Appartment 2 BHK 112.42 sq.mt. Size	:	225 Nos
	Residential Appartment 3 BHK 161.9 sq.mt. Size	:	288 Nos
	Plant & Machinery	:	₹ 329 Lakhs
	Cost of Project	:	₹ 30642 Lakhs
	Rate of Return	:	26%
Į	Break Even Point	:	18%

concentration of firms can have significant spillover effects both inside and outside the park, such as information spillovers, such as knowledge and technology; enterprise specialization and division of labour; the development of skilled labour markets; and the development of markets surrounding the parks.

The integrated park is made up of clusters of homes and commercial businesses that are connected by roadways, convenience stores, water treatment plants, and drainage and sewage services. With cities becoming increasingly crowded and lacking future development potential, integrated parks have been highlighted as a viable option.

The ideal urbanization option is an integrated park. In terms of economic and societal factors, convenience is the primary goal. An Integrated Industrial Park combines residential and working opportunities in one location. Residential, infrastructure, and basic utilities, as well as job possibilities, are all available in one location.



E poxy resin is a reactive pre-polymer and polymer that contains epoxide groups. These resins react either with themselves or with a variety of coreactants such as amines, phenols, and thiols in the presence of catalysts. Epoxy resin is used in a wide range of industrial applications. Epoxy resin is a type of resin with robust mechanical qualities, excellent chemical resistance, and high adhesive strength, making it ideal for a wide range of applications. Poly-epoxides are another name for epoxy resin.

COST ESTIMATION Capacity

(npcs)

Epoxy Resin (Liquid)	: 20,000 Kgs Per Day
Plant & Machinery	: ₹ 689 Lakhs
Cost of Project	: ₹ 1956 Lakhs
Rate of Return	: 30%
Break Even Point	: 80%
<u>\</u>	

Epoxy resin outperforms other types of resins in terms of shrinkage during cure and moisture and chemical resistance. It has a long shelf life and is impact resistant. It also has outstanding electrical and insulating qualities. When it comes to curing, epoxy resin differs from polyester resins. Rather than a catalyst, it is treated with a curing substance termed "hardener."

Epoxies are thermoset polymers manufactured by combining two or more industrial chemical components in a process. Because of their toughness, strong adhesion, chemical resistance, and other specialised features, epoxy resins are employed in a wide range of consumer and industrial applications.

The global Epoxy Resin market was worth USD 7,592.35 million in 2019 and is expected to increase at a CAGR of 5.85 percent over the next five years. Epoxy resins have more than one epoxy group per molecule and are thermosetting resins with appropriate cross-linking agents for increased reactivity. Epoxy resins are regarded as the most important raw material used in many chemical formulations. Epoxy resins favourable qualities, such as high thermal stability, mechanical strength, moisture resistance, adhesion, and heat resistance, make them the resin of choice for a variety of end-user applications, such as laminates and insulators.

Investment Opportunities in Business of Chilli Powder, Chilli Flakes & Chilli Oil

pices are used in food and beverage preparation for flavour, colour, scent, and preservation. Spices can come from a variety of plant components, including the bark, buds, flowers, fruits, leaves, rhizomes, roots, seeds, stigmas and styles, and the entire plant tops. Plants having aromatic leaves are referred to be herbs, which is a subset of spice. Spices are frequently dried and used in their unprocessed but intact form.

Chilli, often known as red pepper, is a member of the solanaceae family and belongs to the genus capsicum. They're thought to have come from South America. Chillies are known by a variety of names, including chillies, chile, hot peppers, bell peppers, red peppers, pod peppers, cayenne peppers, paprika, pimento, and capsicum.

Chilli oil is typically a bright red colour. It's made with vegetable oil, soybean

COST ESTI	MATION
Capacity:	
Chilli Powder	: 1,000 Kgs Per Day
Chilli Flakes	: 500 Kgs Per Day
Chilli Oil	: 50 Kgs Per Day
by Product Chilli Oleoresin	: 300 Kgs Per Day
Plant & Machinery	: ₹ 149 Lakhs
Cost of Project	: ₹ 334 Lakhs
Rate of Return	: 25%
Break Even Point	: 52%

oil, or sesame oil, though olive oil or other oils can be used as well. Chilli oil is a spice made from vegetable oil and infused with chilli peppers. Chilli oil is made from dried chillis that have been preserved in oil.

Chilli flakes, red pepper flakes, and crushed red pepper flakes are all synonyms for the same thing: a condiment/spice consisting of dried and crushed whole chilies (seeds and all). Red pepper flakes are frequently made up of several distinct peppers. Chilli flakes, on the other hand, are usually a single type of pepper.

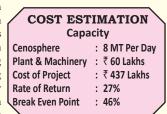
Chilli Powder: Chilli powder is a reddish-brown powdered spice combination. It contains cayenne pepper for heat, but it also contains spices like cumin, garlic powder, oregano, and paprika to give it the flavours of chilli con carne. Depending on the blend, one part cayenne to seven parts other spices is used.

Chilies are consumed and exported in huge quantities in India. It utilises over 6.2 million tonnes, or roughly 90% of the country's total output. Demand from the chilli powder-producing sector accounts for 30% of overall production in the country. This crop is exported in a variety of forms, including chilli powder, dried chilies, pickled chilies, and chilli oleoresins.

Business of Cenosphere Processing from Fly Ash

The name Cenosphere is made up of two Greek words: Kens (hollow) and Sphaira (sphaira) (sphere). Cenospheres are inert hollow spheres made primarily of silica and alumina that are filled with air or inert gas. Cenospheres are a naturally occurring byproduct of pulverised coal-fired boiler combustion.

They're found floating on the fly ash lagoon's surface. When coal combustion ash is in a molten condition, it forms cenosspheres. The temperature of the molten particles is rapidly quenched by flowing with the combustion gas stream, causing them to 'freeze in' a spherical shape. Any gas bubbles that form within the molten particles are confined within the spheres as well. Cenospheres are formed by these



bubbles, which can appear in many forms within the 'frozen' particles or as single, concentric forms nearly as large as the diameter of the particles.

The proportion of particles with densities smaller than 2 gm/cm3 in fly ash produced after the burning of Kentucky No. 9 coal may be as high as 87 percent in San Miguel coal fly ash. These results show that if selective extraction could be done properly, cenospheres with a density of less than 2 gm/cm3 may be harvested from ash in its dry form. Cenospheres are one-of-a-kind free-flowing powders made up of hard-shelled, hollow, tiny spheres.

Cenospheres are a versatile filler that can be used in a wide range of commercial and industrial products. Oil well cementing and PVC cushion vinyl flooring are two examples. Fillite, on the other hand, is employed in each scenario because of its specific features, including as strength, low density, and chemical resistance.

Mineral Wool Ceiling Tiles

secondary ceiling, hung below the main (structural) ceiling, is known as ceiling tiles. It's also known as a drop ceiling, T-bar ceiling, false ceiling, suspended ceiling, grid ceiling, drop in ceiling, drop out ceiling, or ceiling tiles, and it's a popular choice for both residential and commercial

COST ES	TI	MATION
Сар	ac	ity
Mineral Wool Ceiling Tiles	:	3,000.0 Sq. Mtr. Per Day
Plant & Machinery	:	₹ 32 Lakhs
Cost of Project	:	₹ 212 Lakhs
Rate of Return	:	26%
Break Even Point	:	62%

construction. Because the tiles, also known as melt-out ceiling tiles, are heat-sensitive and engineered to fall from the dropped ceiling suspension grid during a fire, allowing the sprinklers to spray their water, ceilings allow the installation of a dropped ceiling beneath existing fire sprinklers.

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Because the fire sprinklers are hidden by the tiles, drop down ceiling tiles can improve the aesthetic appeal of a ceiling. Drop down ceiling tiles are commonly constructed of vinyl or expanded polystyrene and come in a number of sizes and finishes from a variety of vendors.

Ceiling Tiles Market is expected to reach \$8.60 billion by 2025, with a CAGR of 9.1% between 2020 and 2025. The market for ceiling tiles is fueled by a slew of development projects. The population explosion in metropolitan areas, which requires cheap housing, is another megatrend that is altering the building and construction business. In 2019, Mineral Fiber Ceiling had the biggest market share for ceiling tiles. Sound insulation, durability, fire resistance, and light reflectance are all advantages of mineral fibre ceiling tiles. They're often employed in nonresidential structures including offices, hospitals, and retail businesses, among others. The mineral fibre ceiling tile market will be strengthened by the joint venture, R&D, and product releases. Geometrik Manufacturing Inc. has agreed to sell and market the company's product and system portfolio in the United States.

Active Pharma Ingredients (API) (Cephalexin, Ampicillin Trihydrate, Ibuprofen and Paracetamol)

The Active Pharmaceutical Ingredient (API) is the part of any drug that produces the intended effects. Some drugs, such as combination therapies, have multiple active ingredients to treat different symptoms or act in different ways.

The global demand of APIs include ageing population, rising expenditures on healthcare, increasing prevalence of lifestyle diseases, etc. Looking forward, the market value is projected to reach US\$ 258.8 Billion by 2025, exhibiting a CAGR of 5.6% during 2020-2025. The API market is competitive in nature and is becoming increasingly competitive. Consequently, manufacturers are required to enhance products in order to gain advantage over previously marketed products.

COST EST	IMATION
Capacity:	
Paracetamol	: 500 Kgs / Day
Cephalexin	: 500 Kgs / Day
Ampicillin Trihydrate	: 500 Kgs / Day
Ibuprofen	: 500 Kgs / Day
Plant & Machinery	: ₹ 347 Lakhs
Cost of Project	: ₹ 1656 Lakhs
Rate of Return	: 32%
Break Even Point	: 52%

India is the seventh largest country in the world and has the second highest population. It has a parliamentary democratic form of government and has abundant natural resources and sufficient oil reserves. The country has a huge skilled, English-speaking, and inexpensive labor force. Its young population and current economic policies have made it one of the largest recipients of FDI in the world. Asia Pacific is expected to be the fastest-growing market over the forecast period. Owing to the availability of affordable labor, major companies in the market are setting up API manufacturing plants in developing countries such as China and India.

India's reliance on pharma ingredient imports has risen over the past few decades due to the higher cost of domestic production, with the price gap reaching as much as 20%-30%, particularly for energy-intensive fermentation-based ingredients used in anti-infectives. Import dependence is more than 90% for some life-saving drugs, including penicillin and ciprofloxacin. As a whole any entrepreneur can venture in this project without risk and earn profit.

E-Waste Recycling

lectronic wastes, "e-waste", "e-scrap", or "Waste Electrical and Electronic Equipment" ("WEEE") is a description of surplus, obsolete, broken or discarded electrical or electronic devices. Technically, electronic "waste" is the component which is dumped or disposed or discarded rather than recycled, including residue from reuse and recycling operations. Because loads of surplus electronics are frequently coming led (good, recyclable, and non-recyclable), several public policy advocates apply the term "e-waste" broadly to all surplus electronics.

India is emerging as one of the world's major electronic waste generators, posing grave concerns to public health and environment alike. Industry body Assocham, said India's 'production' of e-waste is likely to increase by nearly three times, from the existing 18 lakh metric tons (MT) to 52 lakh MT) per annum by 2020 at a compound annual growth rate (CAGR) of about 30%. The Global Electronic Waste Recycling Market is expected to expand at 13.03% CAGR to reach a market value of 39,498.81 Million in 2024. A mere 1.5% of India's total e-waste gets recycled due to poor infrastructure, legislation and framework which leads to a waste of diminishing natural resources, irreparable damage of environment and health of the people working in industry. Over 95% of e-waste generated is managed by the unorganized sector and scrap dealers in this market, dismantle the disposed products instead of recycling it. As a whole any entrepreneur can venture in this project without risk and earn profit.

Biodegradable Plastic Bags from Corn & Cassava Starch

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

Capacity:

from Corn Starch

(Per Bag 25 gms Size)

from Čassava Starch

Plant & Machinery

Cost of Project

Rate of Return

Break Even Point

(Per Bag 25 gms Size)

COST ESTIMATION

Biodegradable Plastic Bags : 6 MT / Day

Biodegradable Plastic Bags : 6 MT / Day

: ₹1053 Lakhs

: ₹1768 Lakhs

: 27%

: 51%

thaw stability, which are advantageous to many industries.

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

The global biodegradable plastic packaging market was valued at USD 4.65 billion in 2019, and is expected to reach a market value of USD 12.06 billion by 2025, registering a CAGR of

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

Ethanol from Broken Rice, Maize & Wheat

T thanol is a clear, colorless liquid with a characteristic, agreeable odor. In dilute aqueous solution, it has a somewhat sweet flavor, but in more concentrated solutions it has a burning taste. Ethanol, CH3CH2OH, is an alcohol, a group of chemical compounds whose molecules contain a hydroxyl group, -OH, bonded to a carbon atom. Ethanol melts at -114.1°C, boils at 78.5°C, and has a density of 0.789 g/mL at 20°C. Its low freezing point has made it useful as the fluid in thermometers for temperatures below -40°C, the freezing point of mercury, and for other low-temperature purposes, such as for antifreeze in automobile radiators.

India ethanol market is projected to grow from \$2.50 billion in 2018 to \$7.38 billion by 2024, exhibiting a CAGR of 14.50% during 2019-2024, on the back of increasing ethanol use in applications such as fuel additives and beverages. Ethanol

.... Continue on Page 15

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•	The Complete Book on Natural Dyes & Pigments Handbook on Natural Dyes for Industrial Applications (Extraction of Dyestuff from flowers, Leaves, Vegetables) 2nd Rev. Edn Natural Fibers Handbook with Cultivation & Uses	1100/- 1 1575/- 1	.25 .50	
•	Woollen Spinning, Weaving, Knitting, Dyeing, Bleaching and Printing Technology Handbook Handbook on Textile Auxiliaries, Dyes and Dye Intermediates Technology The Complete Book on Textile Processing and			•
•	Silk Reeling Technology The Complete Book on Jute & Coir Products (With Cultvation & Processing) 2nd Rev.Edn A Concise Guide on Textile Dyes, Pigments and Dye Intermediates with Textile Printing Technology	1575/- 1	.50	•
	ELECTROPLATING, ANODIZING & METAL TREAT POWDER COATING AND METAL FINISHIN		,	
	Electroplating, Anodizing & Metal Treatment Handbook The Complete Technology Book on Electroplating, Phosphating, Powder Coating and Metal Finishing (2nd Revised Edition) Handbook on Electroplating with Manufacture of Electrochemicals	1675/- 1	.50	•
	RUBBER PROCESSING AND COMPOUNDIN			•
,	The Complete Book on Rubber Processing and Compounding Technology (with Machinery Details) (2nd Revised Edition) The Complete Book on Rubber Chemicals	1875/- 1		•
	SURFACE COATING, PAINTS, VARNISHES & LAC	QUERS	5	•
•	The Complete Book on Resins (Alkyd, Amino, Phenolic, Polyurethane Epoxy, Silicone, Acrylic) Paints, Varnishes, Pigments & Additives (Surface Coating Products with Formulae) 3rd Rev. Edn.	1995/- 1	.50	•
	Paints, Pigments, Varnishes and Enamels Technology Handbook (With Process & Formulations) 2nd Rev. Edn Modern Technology of Paints, Varnishes & Lacquers (2nd Edn.) Handbook on Paints and Enamels	1075/- 1	25	
	Surface Coating Technology Handbook Spirit Varnishes Technology Handbook (with Testing and Analysis)	1475/- 1 1275/- 1	.25 .50	•
	The Testing Manual of Paints, Varnishes and Resins Handbook on Paint Testing Methods Manufacture of Thinners & Solvents (Properties, Uses, Production, Formulation with Machinery Details) 2nd Edn. Rev	1575/- 1	.50	•
	GUMS, ADHESIVES & SEALANTS, ROSIN & DERIVATIVES, RESINS AND OLEORESINS	<u>č</u>		•
,	Gums, Adhesives & Sealants Technology (with Formulae & their Applications) 2nd Rev. Edn Adhesives Formulary Handbook	-		•
•	Handbook on Speciality Gums, Adhesives, Oils, Rosin & Derivatives, Resins, Oleoresins, Katha, Chemicals with Other Natural Products	-		•
	The Complete Book on Adhesives, Glues & Resins Technology (with Process & Formulations) 2nd Rev. Edn Phenolic Resins Technology Handbook (2nd Revised Edition)	1895/- 1	.50	•
)))	The Complete Technology Book on Industrial Adhesives The Complete Book on Gums and Stabilizers for Food Industry The Complete Book on Water Soluble Gums and Resins Handbook on Tall Oil Rosin Production, Processing	1275/- 1	.25	•

and Utilization 1575/- 150

SYNTHETIC RESINS

٠	Modern Technology of Synthetic Resins & Their Applications	
	(2nd Revised Edition)	. 1575/- 150
٠	Synthetic Resins Technology Handbook	. 1100/- 125
٠	The Complete Technology Book on Synthetic Resins with	
	Formulae & Processes	. 1150/- 125

NAME (

DLOGY BOOKS @
NAME OF BOOKS ₹ / US\$
Alkyd Resins Technology Handbook
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
WASTE MANAGEMENT, PRODUCTS FROM WASTE, MEDICAL, MUNICIPAL WASTE, E-WASTE, BIOMASS, MEDICAL & SURGICAL DISPOSABLE PRODUCTS
Products From Waste (Industrial & Agro Waste) 2nd Edition

Wastes, Bioconversion of Pretreated Wheat Straw and Sunflower Stalks to Ethanol, Agricultural Waste Treatment, Waste of Dehydrated Onion, Beef-Cattle Manure Slurry, Meat Meal and Algae for Calves, Wastes from Large Piggeries, Pig Waste, Oxytetracycline, Methane from Cattle Waste..... 1275/- 125

Masks, Catheter, Cotton and Bandage, Surgical Wear, Syringes)... 1775/- 150

Thermocol Products, PET Bottles) 1575/- 150

(Biochemicals, Biofuels, Activated Carbon) 1575/- 150

Circuit Board, LCD, Cell Phone, Battery, Computers) 3rd Rev. Edn... 1975/- 150

Fish & Sea Food Industry Waste)..... 1675/- 150

Sodium Silicate Projects) 2nd Rev. Edition......1400/- 150 Medical, Municipal and Plastic Waste Management Handbook ... 1275/- 125 The Complete Book on Biological Waste Treatment and their Utilization.... 1675/- 150 WOOD AND ITS DERIVATIVES The Complete Technology Book on Wood And Its Derivatives 1100/- 125 Bamboo Plantation and Utilization Handbook 1475/- 150

HERBAL PRODUCTS, AYURVEDIC, HERBAL & UNANI

MEDICINES, DRUGS, NEEM, HERBS & MEDICINAL PLANTS CULTIVATION, COSMETICS, NATURAL PRODUCTS, JATROPHA

Uses And Analysis..... 1100/- 125

Handbook on Medical and Surgical Disposable Products (Blood Bags, Plastic Gloves, I.V. Cannula, Infusion Set, Gowns,

The Complete Book on Biomass Based Products

Disposable Products Manufacturing Handbook (Plastic Cups, Cutlery, Paper Cups, Banana Leaf Plates, Facial Tissues, Wet Wipes, Toilet Paper Roll, Sanitary Napkins, Baby Diapers,

The Complete Technology Book on E-Waste Recycling (Printed

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,

Handbook on Unani Medicines with Formulae, Processes,

The Complete Book on Waste Treatment Technologies (Industrial, Biomedical, Water, Electronic, Municipal, Household/ Kitchen, Farm Animal, Dairy, Poultry, Meat,

PROCESS TECHNOLOGY BOOKS **I B** (npcs)

NAME OF BOOKS	₹ / US\$
Handbook on Herbal Drugs And Its Plant Sources	•
Herbal Foods And Its Medicinal Values	
Herbal Cosmetics & Ayurvedic Medicines (Eou) (3rd Rev. Edn.) 1475/- 150
 Handbook on Ayurvedic Medicines with Formulae, rocesses & Their Uses (2nd Rev. Edn.) 	1475/- 150
Herbal Cosmetics Handbook (3rd Revised Edition)	
• The Complete Technology Book on Herbal Beauty Products w	vith
Formulations and Processes	
Modern Technology of Cosmetics	
 Handbook of Herbal Products (Medicines, Cosmetics, Toiletri Perfumes) 2 Vols 	
Herbs Cultivation & Medicinal Uses	
Herbs Cultivation & Their Utilization	
Medicinal Plants Cultivation & Their Uses	975/- 100
Compendium of Medicinal Plants	•
Compendium of Herbal Plants	
Cultivation And Processing of Selected Medicinal Plants	
Aromatic Plants Cultivation, Processing and Uses	•
 Cultivation and Utilization of Aromatic Plants The Complete Book on Jatropha (Bio-Diesel) with 	1100/- 125
Ashwagandha, Stevia, Brahmi & Jatamansi Herbs	
(Cultivation, Processing & Uses)	
Handbook on Medicinal Herbs With Uses	
Aloe Vera Handbook Cultivation, Research Findings, Products	,
Formulations, Extraction & Processing	
Handbook on Herbs Cultivation & Processing Handbook of Neem & Allied Products	
Handbook of Neem & Allied Products Handbook on Herbal Medicines	•
Handbook on Cosmetics (Processes, Formulae	
with Testing Methods)	1675/- 150
Handbook on Drugs from Natural Sources	1175/- 125
ESSENTIAL OILS, AROMATIC CHEMICALS, PE	REUMES.
FLAVOURS, FOOD COLOURS	
The Complete Technology Book of Essential Oils	
(Aromatic Chemicals (Reprint 2011)	1275/- 125
Essential Oil Hand Book	975/- 100
 The Complete Technology Book on Herbal Perfumes & 	
Cosmetics (2nd Rev Edn.)	1275/- 125
Modern Technology of Perfumes, Flavours and Essential Oils 2nd Edn	975/ 100
 Food Colours, Flavours And Additives Technology Handbook. 	1000/- 100
Food Flavours Technology Handbook.	
The Complete Technology Book on Flavours, Fragrances	
and Perfumes	1675/- 150
Perfumes and Flavours Technology Handbook	
SOAPS, DETERGENTS, ACID SLURRY	, ,
TOILETRIES & DISINFECTANTS	
Modern Technology of Soaps, Detergents & Toiletries	
(With Formulae & Project Profiles) (4th Rev. Edn.)	
Herbal Soaps & Detergents Handbook	
 Handbook on Soaps, Detergents & Acid Slurry (3rd Rev. Edn.) The Complete Technology Book on Detergents (2nd Rev. Edn.) 	
 The Complete Technology Book on Detergents (2nd Rev. Edn.) The Complete Technology Book on Soaps (2nd Revised Edn.). 	
 Surfactants, Disinfectants, Cleaners, Toiletries, Personal Care 	
Products Manufacturing and Formulations (Phenyl, Naphthal	
Ball, Mosquito Coil, Floor Cleaner, Glass Cleaner, Toilet Cleaner	er,
Utensil Cleaning Bar, Liquid Detergent, Detergent Powder, Detergent Soap, Liquid Soap, Handwash, Hand Sanitizer, Herl	nal
Shampoo, Henna Based Hair Dye, Herbal Cream, Shaving Crea	
Air Freshener, Shoe Polish, Tooth Paste) 2nd Revised Edition	
Soaps, Detergents and Disinfectants Technology Handbook	
(Washing Soap, Laundry Soap, Handmade Soap, Detergent Soap, Liquid Soap, Hand Wash, Liquid Detergent, Detergent	
Powder, Bar, Phenyl, Floor Cleaner, Toilet Cleaner, Mosquito	
Coils, Naphthalene Balls, Air Freshener, Hand Sanitizer and	
Aerosols Insecticide) (3rd Revised Edition)	1595/- 150
GLASS, CERAMICS, COAL, LIGNIN & MIN	ERALS
The Complete Book on Glass & Ceramics Technology	
(2nd Revised Edition)	
The Complete Book on Glass Technology	

NAME OF BOOKS

• The Complete Technology Book on Minerals & Mineral Processing 2200/- 200 Handbook on Rare Earth Metals and Alloys

₹ / US\$

- (Properties, Extraction, Preparation and Applications)...... 1875/- 150 Hand book on Coal, Coke, Cotton, Lignin, Hemicellulose, Wood,
- Wood-Polymer Composites, Lignocellulosic-Plastic Composites from Recycled Materials, Wood Fiber, Rosin and Rosin Derivatives ... 1875/- 150

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

- The Complete Technology Book On Hot Rolling Of Steel 1575/- 150 Steel Rolling Technology Handbook (2nd Revised Edition) 1775/- 150
- The Complete Book on Ferrous, Non-Ferrous Metals with Casting and Forging Technology 1575/- 150
- The Complete Technology Book on Aluminium and Aluminium Products 1450/- 150
- The Complete Technology Book on Steel and Steel Products (Fasteners, Seamless Tubes, Casting, Rolling of flat Products & others) 1625/- 150
- The Complete Book on Ferroalloys (Ferro Manganese, Ferro Molybdenum, Ferro Niobium, Ferro Boron, Ferro Titanium, Ferro Tungsten, Ferro Silicon, Ferro Nickel, Ferro Chrome) 2775/- 250
- Steel and Iron Handbook 1775/- 150 Handbook on Steel Bars, Wires, Tubes, Pipes, S.S. Sheets
- Production with Ferrous Metal Casting & Processing 1775/- 150 The Complete Book on Production of Automobile Components & Allied Products (Engine Parts, Piston, Pin, Piston Ring, Valve,
- Control Cable, Engine Mounting, Auto Lock, Disc Brake, Drum, Gear, Leaf Spring, Shock Absorber, Silencer, Chain, Cylinder Block, Chassis, Battery, Tyre & Flaps) 2275/- 200
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•	Selected Formulary Book on Cosmetics, Drugs, Cleaners,
	Soaps and Detergents (2nd Revised Edition) 1475/- 150
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	and Enamels 1475/- 150
•	Selected Formulary Handbook 1475/- 150

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- The Complete Book on Construction Materials 1475/- 150
- The Complete Technology Book on Bricks, Cement and Asbestos...... 1400/- 150
- The Complete Technology Book on Asbestos, Cement, Ceramics and Limestone 1875/- 150
- Handbook on Gypsum and Gypsum based Products (Mining, Processing, Transportation, Handling & Storage, Gypsum Board, Plaster of Paris with Machinery & Equipment Details) 2275/- 200

EMULSIFIERS AND OLEORESINS

- The Complete Book on Emulsifiers with Uses, Formulae and Processes. (2nd Rev. Edn.) 1400/- 150
- Handbook on Oleoresin and Pine Chemicals (Rosin, Terpene, Derivaties, Tall Oil , Resin & Dimer Acids 2200/- 200

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



SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT

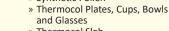
- Terephthalate (PETG) Resin » HD and PP Woven Sacks By Circular & Plain Looms with Lamination & Printing » HDPE & PP Woven Fabric » HDPE and UPVC Pipes » HDPE Bags » HDPE Containers » HDPE Corrugated Pipe » HDPE Films or Sheets » HDPE Jumbo Bags » HDPE Jumbo Bags (Flexible Intermediate Bulk Containers) FIBCS » HDPE Pipes & Fittings » HDPE Pipes (From 630 Mm to 1000 Mm Dia) » HDPE PP Bags » HDPE PP Woven Fabric » HDPE PP Woven Sacks (Using Circular Looms » HDPE Twine & Rope » HDPE Woven Sacks » HDPE, PP Woven Fabric from Tape Line Using Circular Looms and Sacks Making with Lamination of BOPP, BOPET, LDPE and Printing » HDPE-PP Woven Bags » Hemodialysis Blood Tubing » Hexa (Methoxymethyl) Melamine (HMMM). » Hoses (Air-Based-Welding Hoses & Pesticides Spray Pipe) » HT & MV Industrial Cubicle Switch Bo » Injection & Blow Moulded Plastic Prod » Injection and Blow Moulding » Injection Moulded Plastic Goods with PVC Chappals » Insulator (Made By Fiber Glass & Reinforced Plastics by Hand Moulding Press) » Isophthalic Acid Resin » IV Cannula » IV Cannula (Intravenous Cannula) and Butterfly » Laminated Collapsible Tubes » Latex Rubber Threads » LDPE LLDPE Pouch Films » Liquid Urea-Formaldehyde Resin » Liquid Urea-Formaldehyde Resin for Wood Application » Melamine Formaldehyde Powder » Metalised Colour PVC and Metalised Rainbow PVC Sequence and Sparklers » Moulded Luggage, Plastic Moulded Lug » Non-Woven Fabric » Non-Woven Fabric Bag (Stitching) » Nylon 12 » Nylon Polyester & Polypropylene Rope » Optical Fiber Cable » Optical Fibre » PCB (Printed Circuit Board) (Multilayer) » Pencil Sharpeners (Plastic) » PET Bottle Containers from PET Resin » PET Bottle from PET Resin » PET Bottle Recycling » PET Bottles » PET Bottles and Containers from PE » PET Polyester Acoustic Panel
- » PET Preform
- » PET Preform for Water and Carbonated
- Soft Drinks with Closures (Caps for the Bottles) -----

» PET Preform from PET Resin

- » PET Recycling
- PET Strap
- » Phenol Moulding Powder » Phenolic Foam
- » Phenolic Formaldehyde Resin
- » Phenolic Formaldehyde Resin PF
- » Pipe Bond (PVC, UPVC & CPVC) With Thinner, Rosin & Phenyl Manufacturing
- » Plastic (HDPE) Water Storage Tank (Sintex Type)
- » Plastic (HDPE) Water Storage Tanks
- » Plastic (HDPE, PVC, UPVC and RCC) Pipes
- » Plastic (PVC) Laminated Collapsible Tubes
- » Plastic Battery Containers
- » Plastic Buttons from Polyester Sheet & Rod
- » Plastic Cards for Telephone
- » Plastic Carry Bags (HM-HDPE LDPE)
- » Plastic Collapsible Tubes
- » Plastic Collapsible Tubes for Tooth Paste, Cream, Gel, Cosmetics & Pharmaceutical
- » Plastic Corrugated Sheet & Boxes
- » Plastic Extruded Product (Slab Rod) From Plastic Scrap
- » Plastic Felt
- » Plastic Granules from Plastic Waste » Plastic Granules from Scrap
- » Plastic Granules from Waste
- » Plastic Granules Making from Scrap
- » Plastic Injection Moulded Products (Buckets, Tumblers, Tubs & Toilet Bowl Cleaning Brush) » Plastic Injection Moulding Plant for Auto Parts
- » Plastic Moulded Furniture
- » Plastic Optical Lenses
- » Plastic Processing Moulds
- » Plastic Pyrolysis Plant (Waste Plastic to Oil Conversion)
- » Plastic Pyrolysis Waste Plastic to Oil Conversion » Plastic Seals for Electricity Meters
- » Plastic Spectacle Frame
- » Plastic Tooth Picks
- » Plastic Toothbrushes
- » Plastic Toys
- » Plastic Waste Pyrolysis (Plastic to Oil Conversion)
- » Plastic Waste Recycling Plant
- » Poly Tetra Fluoro Ethylene (PTFE)
- » Polyanionic Cellulose (PAC)
- » Polyester Master Used For Mini Offset Printing
- » Polyethylene Tarpaulins
- » Polymer Pencil
- » Polypropylene (PP)
- Polypropylene Measuring Cup
- » Polypropylene Multifilament Yarn
- » Polyurethane Sheets & Pipes
- » Polyvinyl Chloride (PVC) Pipes
- » Polyvinylidene Fluoride (PVDF) » Pouch Packing Automatic Plant -Flexible Packaging (Namkeen, Spice, Mehandi, Milk, Ghee and ZiPPed
- Pouches)
- » PP Bags for Cement
- » PP HDPE Cement Packaging Bags
- » PP Woven Bags (For Cement Packing) » PPr Pipes and Fittings
- » PU & PVC Leather Cloth
- » PVC & XLPE Cables

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» Thermocol Slab » Thermocole Sheet & Its Moulded Products

» PVC Banners (Frontlit, Backlit & Vinyl)

» PVC Compounding
 » PVC Compounds from PVC Resins

» PVC Flex Banner (Frontlit, Backlit & Vinyl)

» PVC Electric Wires & Cables

» PVC Granules & Rigid Pipes

» PVC Granules from PVC Resin

» PVC Lining for Metal Crown Caps

» PVC Membrane for Waterproofing

» PVC Coloured Sheet and Rainbow Coloured Sheet and

» PVC Insulated Winding Wires for Submersible Motors

» PVC Stabilizer (Lead Stearate & Calcium Stearate)

» Recycled Polyester Fiber from Used PET Bottles

» Resin for Nail Polish (Polycondensation) Resin (Polyester, Alkyds), Epoxy Tosylamide

Resin, Solvent Based Acrylic Resin

» Rickshaw Cycle Tyre & Tubes

» PVC/HDPE Pipes (Irrigation, Drinking Water, Agriculture

» PVC Battery Separator

» PVC Conduit Pipes

» PVC Flex Banner

» PVC HDPE Pipes

» PVC Pipe and Fitting

» PVC Pipe Fittings

» PVC Rexine Cloth

» PVC Shrink Sleeves

» PVC Solvent Cement

» PVC Water Storage Tanks

» PVC Wires and Cables

and Sewerage)

» Recycling of PET

» PVC Pipes

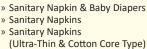
Sequence

» PVC Doors

- » Toothbrush
- » Transparent Rigid PVC Film Roll
- (For Packaging Industry)
- » Unsaturated Polyester Resin
- » UPVC Pipes
- » UPVC Profiles for Doors and Windows
- » Urea Formaldehyde Resin (Powder)
- » Urea Formaldehyde Uf85
- » Vinyl Formamide (VFA)
- » Waste Plastic to Oil Conversion
- » Weaving of Fiberglass Fabric for
- Composites (Using E Class Imported Yarns)
- » Wood Plastic Composite (WPC)
- » Wood Plastic Composite WPC PVC Edge Band Tape
- WPC Board
 - WPC Profile for Building Materials like Door and Window Frame and Shutters
- » X-Ray Films



- Pants Diaper T Shape And Pull Up Pants
 - **Biodegradable Diapers And Sanitary Napkins**
- Disposable Baby Diaper
- Low-Cost Project To Setup Mini
 - Sanitary Napkin



» Sanitary Pads Napkins



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Market Survey Cum Detailed Techno Economic Feasibility Report on all above Businesses are Available. Contact : 106 E, Kamla Nagar, Delhi - 110 007 (India). Tel. : 91-11- 23843955, 23845886, 23845654 NIIR PROJECT CONSULTANCY SERVICES

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SANITARY NAPKINS

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» Adult Diapers And Baby Diapers

» Baby Diaper & Sanitary Napkins

» Baby Diaper T Shape And Pull Up

» Baby & Adult Diaper And Sanitary Pads

» Adult Pull-Up Diapers











SELECTED BUSINESS IDEAS FOR RIGHT INVESTMENT



» Automatic Fan Belts

- » Baby & Adult Diapers & Sanitary Pads
- » Baby Diaper & Sanitary Napkins » Black Braided Silk Surgical Suture
- » Black Braided Silk Sutures (Non Absorbable Surgical Suture)
- » Conveyor Belting
- » Disposable Baby Diaper
- » Disposable Personal Protective Equipment (PPE) Kit
- » Flexible Packaging with Gravure and Flexo Printing
- with Extrusion In 3/5/7 Layers
- » Geotextiles for Road Construction
- » Glass Fiber Continuous Filament Glass Fibers (CFGF) » HD and PP Woven Sacks By Circular & Plain Looms with Lamination & Printing
- » HDPE PP Woven Sacks » HDPE PP Woven Sacks
- (Using Circular Looms)



- » HDPE Woven Sacks
- » Implantable Surgical Suture (Biomedical Textile)
- » Intermediate Bulk Containers (IBC)
- » Jute Ropes Sutli
- » Jute Shopping Bags
- » Jute Twine (Jute Rope) & Gunny Bag from Raw Jute
- » Jute Yarn, Jute Sutli & Hessian Cloth Weaving
- Integrated Unit » Mattresses Bedding
- » Multilayer Printed Circuit Boards
- » Non-Woven Fabric
- » Non-Woven Fabric Bag (Stitching)
- » Photocopier Cleaning Web (Non-Woven)
- » Polyethylene Tarpaulins
- » Pouch Packing Automatic Plant -Flexible Packaging (Namkeen, Spice, Mehandi, Milk, Ghee and Zipped Pouches)
- » PP Woven Bags (for Cement Packing)

» Urea Formaldehyde UF85

(Frontlit, Backlit & Vinyl)

» Sanitary Napkin (Low Investment Project)

Technical Textiles, (Agrotech,

Buildtech, Clothtech, Geotech,

Hometech, Indutech, Lifting

Textiles, Mobiltech, Oekotech

or Ecotech, Packtech, Protech,

Sportech Textiles) Projects

» PVC Flex Banner

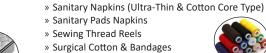
» PVC Flex Banner

» Sanitary Napkins













- » Surgical Disposable Manufacturing Unit (Surgeon Gowns, Patient Gowns, Bed Sheets, Drapes, Surgeon Caps and Sheets)
- » Surgical Gloves
- » Surgical Sutures Materials (Surgical Gut, Polyglactin, Polyglycolic Acid, Poliglecaprone, Polydioxanone, Nylon, Polypropylene, Polyester)

Ready to Eat Food, RTE Food, Ready to Serve Food, Ready to Cook Food, **Convenience Food, No-Cook Food,** Packaged Food, Processed Food **Products, Snack Foods, Frozen** Foods, Shelf-Stable Foods, Instant **Foods Projects**



- » Apple Chips
- » Atta Noodles
- » Banana Chips
- » Corn Flakes
- » Corn Flakes in Various Shapes & Design
- » Frozen Convenience, Ready to Eat Foods, Purees and Sauces
- » Frozen Finger Chips » Gourmet Popcorns (Popped Corn, Popcorns or Pop-Corn)
- » Idli Mix, Dosa Mix, Sambhar Mix, Vada Mix, Gulabjamun Mix, Tomato Soup Mix (Instant Food)
- » Instant Coffee
- » Instant Ginger Powder Drink
- » Instant Noodles
- » Instant Tea

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» Instant Tea (Without Premix of Milk & Sugar)

- » Jam, Jelly, Chutney, Pickles & Squashes
- » Khakra-Ready to Eat (Rte) Convenience Food
- » Macaroni, Spaghetti, Vermicelli and Noodles
- » Mango Pickles
- » Namkeen (Dalmotth, Bhujia, Chana Chur, Khatta Meetha)
- » Pickles (Various Types)
- » Plain Corn Flakes & Coated Choco Flakes
- » Poha (Rice Flakes)
- » Potato Chips (Different Recipe and Flavors)
- » Potato Chips Wafers Automatic Plant
- » Potato Chips Wafers In Different Flavours
- » Potato Flakes
- » Potato French Fries
- » Potato Powder, Flakes & Granules
- with Cold Storage
- » Potato Powder, Flakes and Pellets

» Ready To Eat Food (Retort Packaging) (Vegetable Pulao, Dal Makhani, Palak, Rajmah, Potato Peas & Mutter Mushroom)

- (Used In Beer Industry)
- - » Tomato Ketchup, Tomato Sauce and Tomato Soup
- » Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot)
- » Vermicelli by Automatic Process
- » Vermicelli, Noodles and Cherry (Tooti Fruity)
- » White Oat Processing

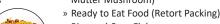
Market Survey Cum Detailed Techno Economic Feasibility Report on all above Businesses are Available. Contact : 106 E, Kamla Nagar, Delhi - 110 007 (India). Tel. : 91-11- 23843955, 23845886, 23845654 NIIR PROJECT CONSULTANCY SERVICES Mob.: +918800733955, 9097075054 Fax : 91-11-23845886 AN ISO 9001:2015 CERTIFIED COMPANY

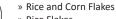
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ENTREPRENEUR INDIA SEPTEMBER 2021







- » Rice Flakes
- » Rice Flakes (Poha)
- » Rice Flakes from Broken Rice
- » Tastemaker Business
- » Tomato Concentrate & Ketchup

is a prominent alcoholic beverage, mainly found in beer, cider, wine, spirits and ale. Indian government is trying to reduce its dependence on imported crude oil and incentivizing Indian sugar manufacturers to produce ethanol for Oil Marketing Companies (OMCs). It is expected that ethanol production will increase by three to five folds in the future in order to meet the demand for its 20% Fuel Blending

	TIMATION acity
Ethanol	: 60 KLtrs / Day
Plant & Machinery	: ₹ 1938 Lakhs
Cost of Project	: ₹ 4569 Lakhs
Rate of Return	: 25%
Break Even Point	: 49%

Program (FBP). Factors such as increasing alcohol consumption and changing lifestyle along with growing influence of the western culture are likely to drive the demand for ethanol in the country. As a whole any entrepreneur can venture in this project without risk and earn profit.

Aluminium Cans for Beer and Beverages

Gis also a key factor influencing market growth. Many beverages are packaged in plastic containers in the U.S. (Plastic Industry Association, U.S.). However, pressure from environmental lobby groups and Government

COST EST Capa	-
Aluminium Beverage Cans each 330 ml Size	: 13.3 Lakh Pcs. / Day
Plant & Machinery	: ₹ 343 Cr
Cost of Project	: ₹ 399 Cr
Rate of Return	: 23%
Break Even Point	: 36%

agencies is being felt by many can manufacturers, who are being bounded to reduce the consumption of plastics. Water and carbonated drinks are usually bottled in Polyethylene Terephthalate (PET) bottles. As bans on plastic packaging gains momentum across the U.S., manufacturers, and sellers are turning towards other available options.

IV Fluids (BFS Technology)

Intravenous fluids are fluids which are intended to be administered to a patient intravenously, directly through the circulatory system. Fluids are given when someone's body fluid volume falls. There are a number of things which can cause a drop in fluid volume. Intravenous fluids can be broken into two broad groups. Crystalloids such as saline solutions contain a solution of molecules which can dissolve in water.

- Treatment of discarded water and electrolyte metabolism, especially in severe cases.
- Therapy of acid base in balances.
- The volume substitution and volume replacement in surgery of accident victim suffering blood loss.
- · Paratral nutrition for severally ill and post-operative patients.
- Dextrose solution is used during postoperative period when sodium extraction is reduced.

The global intravenous solutions market size is expected to reach USD 18.9 billion by 2028, the market is expected to expand at a CAGR of 7.9% from 2021 to 2028. The growing incidence rate of chronic diseases such as cancer, increase in the number of premature births, and shortage of I.V. solutions in the U.S. are some of the key factors expected to drive the market. One of the prime areas wherein in-

travenous (IV) fluids find usage is severe dehydration. Severe dehydration is seen in diseases such as diarrhea, resulting in the depletion of fluids from the body. The ongoing COVID-19 pandemic is expected to have a positive impact on the market.

COST ESTIMATION Capacity

IV Fluids (500 ml Size Bottle)	:	100,000.0 Bottles Per Day
Plant & Machinery	:	₹ 751 Lakhs
Cost of Project	:	₹ 1277 Lakhs
Rate of Return	:	26.48%
Break Even Point	:	54.19%

Intensive Care Units (ICU) worldwide are either operating at full capacity or are overcrowded due to the high influx of patients infected with severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2).

Start Profitable Industry of Lithium Ion Battery (Battery Assembly)

ithium batteries are now powering a wide range of electrical and electronical devices, including laptop computers, mobile phones, power tools, telecommunication systems and new generations of electric cars and vehicles. Lithium metal batteries and lithium ion batteries.

• Lighter Design: Li-ion batteries are lighter as compared to other rechargeable batteries considering the battery capacity and are thus used in portable consumer electronic devices where weight and form factor are the important selling points.

• Low Self-discharge and Longer Shelf Life: Li-ion battery has lower self-discharge rate as compared to other rechargeable batteries, about 1.5 percent per month which enables longer shelf life when not in use as it discharges slowly than other rechargeable batteries.

• Quick Charging: Lithium-ion batteries take lesser time to charge as compared to other rechargeable batteries like lead acid, nickel-metal hydride, and nickel- cadmium.

Lithium-ion (Li-ion) batteries, also known as secondary batteries, are rechargeable batteries in which lithium ions move from the negative electrode, usually made of carbon, to the positive electrode made of a metal oxide (nickel, manganese and cobalt) during discharge, and back when charging.

(1) The Li-ion batteries are used in cameras, calculators.

(2) They are used in cardiac pacemakers and other implantable device.

COST ESTIMA	TI	ON È
Capacity:		
48 Volt, 60 AH Lithium-Ion Battery Pack	:	5.0 Nos Per Day
48 Volt, 80 AH Lithium-Ion Battery Pack	:	5.0 Nos Per Day
48 Volt, 100 AH Lithium-Ion Battery Pack	:	5.0 Nos Per Day
60 Volt, 20 AH Lithium-Ion Battery Pack	:	5.0 Nos Per Day
60 Volt, 30 AH Lithium-Ion Battery Pack	:	5.0 Nos Per Day
72 Volt, 20 AH Lithium-Ion Battery Pack	:	5.0 Nos Per Day
72 Volt, 40 AH Lithium-Ion Battery Pack	:	5.0 Nos Per Day
12.8 Volt, 8 AH Lithium-Ion Battery Pack	:	5.0 Nos Per Day
12.8 Volt, 12 AH Lithium-Ion Battery Pack	:	5.0 Nos Per Day
12.8 Volt, 20 AH Lithium-Ion Battery Pack	:	5.0 Nos Per Day
12.8 Volt, 30 AH Lithium-Ion Battery Pack	:	5.0Nos Per Day
Plant & Machinery	:	₹72 Lakhs
Cost of Project	:	₹ 293 Lakhs
Rate of Return	:	29.95%
Break Even Point	:	70.65%

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

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(3) They are used in telecommunication equipment, instruments, portable radios and TVs, pagers.

(4) They are used to operate laptop computers and mobile phones and aerospace application.

The global Lithium Ion Battery Market is expected to grow from USD 40.5 billion in 2020 to USD 91.9 billion in 2026 with a compounded annual growth rate of 14.63%. Demand for electric vehicles is forecast at 19.1% CAGR over the period to 2026, with strong sales volume in developing countries. The US, China, Japan, India and other countries present strong potential for growth in batteries.

Hemodialysis Blood Tubing

The Chronic Kidney Disease (CKD) is increasing in alarming proportion all over the world. In India due to lack of financial resources, lack of trained manpower & infrastructure leads to severe strain on existing health policies in the light of the increasing burden of CKD.

Blood Tubing Sets for Hemodialysis designed specifically to connect patient with an external system that extracts blood of the patient to the dialyzer and reverts patient's blood from the dialyzer. Consists of 2 Parts: Arterial and Venous line which are used during dialysis with attached fistula and dialyzer. Unique chambers are there which

COST ES	TIMATION
Capacity	: 4,000.0 Pcs Per Day
Plant & Machinery	: ₹ 133 lakhs
Cost of Project	: ₹ 404 Lakhs
Rate of Return	: 25%
Break Even Point	: 55%

reduce foaming, increase air removal and do not trap EPO (Erythropoietin). This helps in ensuring secure machine fit and less incidence of wet out.

India dialysis market was valued at USD 3.1 billion in 2017. The global kidney dialysis equipment market is touted to accumulate USD 16.5 billion at a stupendous 5.7 percent CAGR (compound annual growth rate) during the assessment period (2018–2023). Hemodialysis segment accounted for over 90 percent revenue share in 2017 and is projected to grow over the forthcoming years. In the center, dialysis accounted for more than 70 percent share in 2017. As a whole there is a good scope for new entrepreneur to invest in this business.

Ayurvedic Pain Balm

balm is a concentrated, waterless moisturizer that delivers the oil directly to the skin. And because there is no water, there is no need for emulsifiers. Oils blend and beeswax

thickens it up. The absence of water also means that balms do not require much preservative, because bacteria cannot grow without water. They are preserved with either essential oils and/or vitamin E.

Balm is touted as a multipurpose product that may be used for a wide range of issues, especially pain. Here are some potential uses:

- Toenail fungus: The active ingredient camphor may treat this type of fungal infection. However, this study was done using Vicks VapoRub, not Balm.
- Back pain: The active ingredients camphor and menthol may help soothe this type of pain.
- Common colds: Menthol may alleviate cold symptoms.
- Congestion: A combination of menthol and eucalyptus may clear up congestion.

The government set up the Ministry of AYUSH (Ayurveda, Yoga, Unani, Siddha and Homoeopathy) in November 2014 to promote the country's indigenous alternative medicines including education and research. Thus, due to demand it is best to invest in this project.

COST ESTIMATION Capacity : 13,333.3 Bottles Per Day Plant & Machinery : ₹ 15 Lakhs Cost of Project : ₹ 293 lakhs Rate of Return : 32% Break Even Point : 42%

Solar Panel

Solar panel refers either to a photovoltaic module, a solar thermal energy panel, or to a set of solar photovoltaic (PV) modules electrically connected and mounted on a supporting structure. A PV module is a packaged, connected assembly of solar cells. Solar panels can be used as a component of a larger photovoltaic system to generate and supply electricity in commercial and residential applications.

Solar panels can be used to generate a portion of home's power in order to

reduce dependency on traditional power sources. For instance, install panels to provide electricity just for appliances or lighting, to reduce dependency on the utility company, as well as lower bill. Solar modules use light energy (photons) from the sun to generate electricity through the photovoltaic effect.

	Т	'IMATION	
Capacity		33.3 KW Per Day	
Plant & Machinery	:	₹ 181 Lakhs	
Cost of Project	:	₹ 668 Lakhs	
Rate of Return	:	28%	
Break Even Point	:	48%	

India solar power products market is projected to grow at a CAGR of more

than 11% to surpass \$ 7.6 billion by 2024 on the back of increasingly stringent policy and regulatory framework and rising environmental concerns. The global solar panel market volume reached 155.5 GW in 2019. The market to sustain positive growth over the forecast period (2020-2025). As a whole there is a good scope for new entrepreneur to invest in this business.

Chocolate Confectionery Plant (Milk Chocolate, Dark Chocolate, White Chocolate, Orange & Tangy Flavour Toffee, Citric Flavoured Candies & Chocolate Wafers)

hocolate is a product that requires complex procedures to produce. The process involves harvesting coca, refining coca to cocoa beans, and shipping the cocoa beans to the manufacturing factory for cleaning, coaching and grinding. These cocoa beans will then be imported or exported to other countries and be transformed into different type of chocolate products.

Confectionary products include a wide variety of food items, like – milk chocolate, white chocolate, citric flavor candies, orange flavor candies, tangy flavor candies, hard sweets, fudge, toffee, milk tablet, liquorices, jelly candies, marshmallow peeps, marzi-

pan sweets, divinity, chewing gum, etc.

Growing at a compounded annual growth rate (CAGR) of about 25% Indian chocolate industry's size is presently worth about 50 bn and is likely to cross Rs. 75 bn mark in the next couple of years while globally the chocolate industry is worth over USD 85 bn. Besides, India's per capita chocolate consumption is having at

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I	Capacity:			
	Milk Chocolate	:	1,600 Kgs Per Day	
	Dark Chocolate	:	1,600 Kgs Per Day	
I	White Chocolate	:	1,600 Kgs Per Day	
I	Oragne & Tangy Flavour Toffee	:	1,200 Kgs Per Day	
I	Citric Flavoured Candies	:	1,200 Kgs Per Day	
I	Chocolate Wafers	:	1,600 Kgs Per Day	
I	Plant & Machinery	:	₹ 249 Lakhs	
I	Cost of Project	:	₹ 671 Lakhs	
I	Rate of Return	:	29%	
ļ	Break Even Point	:	54%	

COST ESTIMATION

about 100 gm & urban centres comprise 35% of the chocolate consumption in the country. The world chocolate market is expected to be worth about USD 131.7 bn. India chocolate market projected to grow at a CAGR of over 16% to reach \$ 3.3 billion by 2023 with the country currently representing one of the world's fastest growing markets for chocolates. Entrepreneurs who invest in this project will be successful.

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