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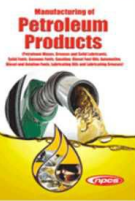
March 2021

36 Pages

Manufacturing of Petroleum Products

(Petroleum Waxes, Greases and Solid Lubricants, Solid Fuels, Gaseous Fuels, Gasoline, Diesel Fuel Oils, Automotive, Diesel and Aviation Fuels, Lubricating Oils and Lubricating Greases)

₹1675/- US\$ 150-



The petroleum waxes are semi refined or fully refined products obtained during the processing of crude oil. According to their structure they are divided into macrocrystalline waxes (paraffin waxes) and microcrystalline waxes (ceresine, petrolatum, others). Grease, thick, oily lubricant consisting of inedible lard, the rendered fat of waste animal parts, or a petroleum-derived or synthetic oil containing a thickening agent. Greases of mineral or synthetic origin consist of a thickening agent dispersed in a liquid lubricant such as petroleum oil or a synthetic fluid.

Diesel fuel, also called diesel oil, combustible liquid used as fuel for diesel engines, ordinarily obtained from fractions of crude oil that are less volatile than the fractions used in gasoline. Lubricating oil, sometimes simply called lubricant/lube, is a class of oils used to reduce the friction, heat, and wear between mechanical components that are in contact with each other. Lubricating oil is used in motorized vehicles, where it is known specifically as motor oil and transmission fluid.

The global wax market was valued at around USD 9 billion in 2017 and is expected to reach approximately USD 12 billion in 2024, growing at a CAGR of slightly above 3.5% between 2018 and 2024. The India lubricant market is expected to register a CAGR of 4.64%, during the forecast period, 2018-2023. The major factors driving the growth of the market are the increasing vehicular production along with the growing industrial sector. The global market for lubricants is expected to reach USD 70.32 billion by 2020. The global grease market is expected to grow at a CAGR of 2.13% during the forecast period, 2018 - 2023. Aviation fuel market size will grow by over USD 34 billion during 2018-2022.

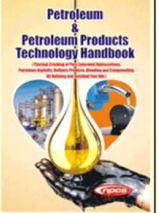
Some of the fundamentals of the book are composition of the petroleum waxes, solvent extraction, greases and solid lubricants, solid fuels, other significant tests or properties, gaseous fuels, properties of waxes, gasoline, diesel fuel oils, automotive, diesel and aviation fuels, special processes for motor-fuel blending components, crude distillation, lubricating oils, lubricating greases, nature of lubricating oils, photographs of machinery with suppliers contact details.

A total guide to manufacturing and entrepreneurial success in one of today's most lucrative petroleum industry. This book is one-stop guide to one of the fastest growing sectors of the petroleum industry, where opportunities abound for manufacturers, retailers, and entrepreneurs. This is the only complete handbook on the commercial production of petroleum products. It serves up a feast of how-to information, from concept to purchasing equipment.

Petroleum & Petroleum Products Technology Handbook

(Thermal Cracking of Pure Saturated Hydrocarbons, Petroleum Asphalts, Refinery Products, Blending and Compounding, Oil Refining and Residual Fuel Oils)

₹1875/- US\$ 150-



Petroleum asphalt is a sticky, black and highly viscous liquid or semi-solid that is present in most petroleum crude oils and in some natural deposits. Petroleum crude oil is a complex mixture of a great many different hydrocarbons. Refined petroleum products are derived from crude oils through processes such as catalytic cracking and fractional distillation. Refining is a necessary step before oil can be burned as fuel or used to create end products.

Residual fuel oil is a complex mixture of hydrocarbons prepared by blending a residuum component with a flux stock which is a distillate component diluent, to give the desired viscosity of the fuel oil produced. Petroleum refining is the process of separating the many compounds present in crude petroleum. An Oil refinery or petroleum refinery is an industrial process plant where crude oil is processed and refined into more useful products.

The global Petroleum Asphalt market is valued at USD 48.8 Billion in 2017 and is expected to reach USD 77.67 Billion by the end of 2024, growing at a Growth Rate of 6.87% between 2017 and 2024. The global bunker fuel market was valued at \$137,215.5 million in 2017 and is expected to reach \$273,050.4 million by 2025, registering a CAGR of 9.4% from 2018 to 2025.

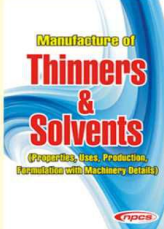
Some of the fundamentals of the book are composition of radiation effects on lubricants, thermal cracking of pure saturated hydrocarbons, petroleum asphalts, refinery products, refinery feedstock's, blending and compounding, oil refining, residual fuel oils, distillate heating oils, formulations of petroleum, photographs of machinery with suppliers contact details.

A total guide to manufacturing and entrepreneurial success in one of today's most lucrative petroleum industry. This book is one-stop guide to one of the fastest growing sectors of the petroleum industry, where opportunities abound for manufacturers, retailers, and entrepreneurs. This is the only complete handbook on the commercial production of petroleum products. It serves up a feast of how-to information, from concept to purchasing equipment.

Manufacture of Thinners & Solvents

(Properties, Uses, Production, Formulation with Machinery Details)

₹1875/- US\$ 150-



Solvents are defined as chemicals compound that are introduced during manufacture of the paint itself and before packaging, in order to maintain all components of the paint in a liquid / viscous state such as we know it. A solvent is usually a liquid but can also be a solid or a gas. Solvents find various applications in chemical, pharmaceutical, oil, and gas industries, including in chemical syntheses and purification processes.

Thinners are defined as chemical compounds that are introduced into the paint prior to application, in order to modify the viscosity and other properties related to the rate of curing that may affect the functionality and aesthetics of the final layer painting. Paint thinner, a solvent used in painting and decorating, for thinning oil-based paint and cleaning brushes. A Thinner may be a single solvent or a combination of solvent types. Often, specific thinners are required by the manufacturer of a coating to prevent damage to coating properties that may occur when an inappropriate thinner is used.

Solvents (for cleaning up or softening) and Thinners (for diluting or extending) are useful not only in painting but in other areas such as Wooden Furniture industry, Automobile industry, Ink industry, Rubber industry.

As the paint industry is a major consumer of Thinners & Solvents, and is expanding at a tremendous speed, it is very obvious that the demand of thinners, too, will increase tremendously. The paints & coatings accounts for the largest share in the aliphatic hydrocarbon Thinners & Solvents market. It is also projected to be the fastest-growing application of the aliphatic hydrocarbon Thinners and Solvents market.

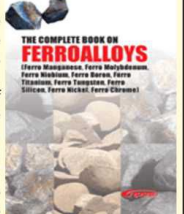
The book contains Properties, Uses, manufacturing of Thinners & Solvents and providing information regarding thinner formulation. It also covers raw material suppliers, photographs of plant & Machinery with supplier's contact details. Some of the fundamentals of the book are thinner in Paint Industry, Health and Safety Measures of Chemicals, Pollution Control, Waste Disposal of Hazardous Chemicals and Storage, Labelling and Packaging of Chemicals etc.

It will be a standard reference book for professionals and entrepreneurs. Those who are interested in this field can find the complete information from manufacture to final uses of Solvents and Thinners. It will be very helpful to consultants, new entrepreneurs, technocrats, research scholars, libraries and existing units.

The Complete Book on Ferroalloys

(Ferro Manganese, Ferro Molybdenum, Ferro Niobium, Ferro Boron, Ferro Titanium, Ferro Tungsten, Ferro Silicon, Ferro Nickel, Ferro Chrome)

₹2775/- US\$ 250-



An alloy is a mixture or solid solution composed of metals. Similarly, Ferroalloys are the mixture of iron with high proportion of other elements like manganese, aluminium or silicon. Alloying improves the physical properties like density, reactivity, Young's modulus, electrical and thermal conductivity etc. Ferroalloys thus show different properties as mixture of different metals in different proportion exhibit a wide range of properties. Also, Alloying is done to alter the mechanical properties of the base metal, to induce hardness, toughness, ductility etc.

The main demand of ferroalloys, nowadays is continuously increasing as the major use of such products are in the field of civil construction; decorative items; automobile; steel industry; electronic appliances. The book provides a wide idea to readers about the usage of appropriate raw material and the treatment involved in the processing of raw material to final produce, safety, uses and properties of raw material involved in the processes.

This book concisely presents the core principles and varied details involved in processing of ferroalloys. The work includes detailed coverage of the major products like ferroaluminium, ferrosilicon, ferronickel, ferromolybdenum, ferrotungsten, ferrovandium, ferromanganese and lesser known minor ferroalloys.

Progress in thermodynamics and physico-chemical factors in ferroalloy production has developed rapidly during the past twenty-five years or so. The book presents the principles and current knowledge of processes in the production of various ferroalloys.

The production of a particular ferroalloy involves a number of processes to be followed in order to give the alloy desired physical and mechanical properties. The slight difference in the temperature or heating or composition can lead to entirely different alloy with different properties. This book is not only confined to the different processes followed in the production of ferroalloys but also describes the processes used and other information related to product, which are necessary for the manufacturer's knowledge. Also, the book gives the reader appropriate knowledge regarding the selection the best of available raw materials.

Directory & Databases

Offline Business directories are the best thing in today's business world. If you are searching for Buyers, then our Business Directories/Database are the perfect tools for you. We provide Business Directories for high quality business leads. We continue to give you the high value and low cost B2B data. We offer an extensive suite of Directories/ database to assist you in reaching the right businesses and people quickly and easily. Business Directories are used for sales planning, finding Buyers and marketing research to perform business analysis.

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Our Approach

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- We use reliable sources of information and databases. And information from such sources is processed by us and included in the report



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npcs About NPCS

Entrepreneur India, an Industrial monthly magazine on industrial development, technologies & project opportunities aims at simplifying the process of choosing the suitable project for investment. It makes business decisions easier and trouble-free for business leaders, young entrepreneurs, women entrepreneurs, investors, NRI (Non Resident Indian), startups, and professionals looking to start their own venture by providing information about right projects for investment. 'Entrepreneur India' - the right tool for identifying sound investment projects is published by Niir Project Consultancy Services (NPCS) An ISO 9001:2015 CERTIFIED COMPANY - a multidisciplinary project consultancy organization.

NPCS provides reliable consultancy services worldwide and has been excelling its expertise in a wide range of services. The services includes: investment opportunities, technology transfers, pre-feasibility study, business plan, new project identification, project feasibility, identification of profitable industrial project opportunities, thorough analysis of the project, plan all resources & details on capital and operational costs, economic feasibility study of the project, profile analysis, preparation of project profiles / pre-investment studies, market surveys / studies, preparation of techno-economic feasibility reports, funding analysis, market potential study, identification and section of plant / process / equipment, general guidance, technical and commercial counseling for setting up new business.

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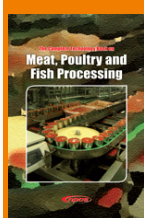
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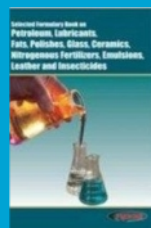
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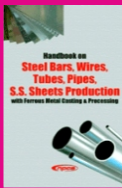
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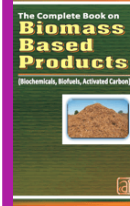
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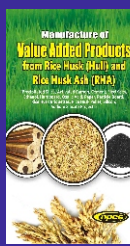
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Micronutrients Fertilizer

Micronutrient-efficient varieties grow deeper roots in mineral deficient soils and are better at tapping subsoil water and minerals. When topsoil dries, roots in the dry soil zone (which are the easiest to fertilizer) are largely deactivated and the plant must rely on deeper roots for further nutrition. The micronutrients are boron (B), copper (Cu), iron (Fe), manganese (Mn), molybdenum (Mo), zinc (Zn), and chloride (Cl).

Mixing micronutrients with fluid fertilizers has become a popular method of application. Clear liquids are commonly used as starter fertilizers for row crops and some micronutrients, especially zinc sources, are easily applied with these fluids.

Agriculture micronutrients are gaining popularity globally for obtaining better yield output. The global agriculture micronutrients market value is anticipated to increase from US\$ 6,576.9 Mn in 2015 to US\$ 13,344.2 Mn by 2024, expanding at a CAGR of 8.3% during the forecast period (2016-2024). As a whole there is a good scope for new entrepreneur to invest in this business.

PROJECT COST ESTIMATE CAPACITY

Micronutrient Fertilizer : 1,250 Kgs/Day for Fruits
 Micronutrient Fertilizer : 750 Kgs/Day for Vegetables
 Plant & Machinery : ₹ 58 Lakhs
 Cost of Project : ₹ 345 Lakhs
 Rate of Return : 27%
 Break Even Point : 55%

HDPE/PP Bags

Woven polypropylene/HDPE bags or simply woven PP/HDPE bags are considered to be the toughest packaging bags, widely used to pack materials for grain, milling and sugar industry. HDPE/PP oriented strips are becoming increasingly popular in India & have caught the eye of many end users for their requirement of packing materials. HDPE sacks have an edge over the conventional jute sacks in the sense that the former are light in weight, strong and attractive. The major users of HDPE/PP

woven sacks are fertilizer, sugar, cattle feed, cement & other chemical industries. Today, PP sacks enjoy a good market share in India and is likely to continue to do so as such in the coming years.

PROJECT COST ESTIMATE CAPACITY

Capacity : 184,616 Nos/Day
 Plant & Machinery : ₹ 645 Lakhs
 Cost of Project : ₹ 1411 Lakhs
 Rate of Return : 24%
 Break Even Point : 66%

With an investment of ~ INR 28,000 crore, it employs about 13 lakh workers, with installed processing capacity of 2800 KTA, gross annual turnover of INR 30,000 crore and enjoys the reputation of making an important economic contribution to the country's growth. Thus, due to demand it is best to invest in this project.

Phenolic Formaldehyde Resin

Phenol formaldehyde resins (PF) or Phenolic resins are synthetic polymers obtained by the reaction of phenol or substituted phenol with formaldehyde. Used as the basis for Bakelite, PFs were the first commercial synthetic resins (plastics). They have been widely used for the production of molded products including billiard balls, laboratory counter-tops, and as coatings and adhesives.

The global Phenolic Resins market size was valued at USD 12.63 billion in 2019 and is anticipated to grow at a CAGR of 5.4% during the forecast period. Expansion of end-use industries such as automotive, construction and consumer electronics is likely to drive demand for these unique resins. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE CAPACITY

Capacity : 1,000 Kg/Day
 Plant & Machinery : ₹ 34 Lakhs
 Cost of Project : ₹ 144 Lakhs
 Rate of Return : 24%
 Break Even Point : 66%

Silica Gel Crystal & Beads

Silica gel is an amorphous and porous form of silicon dioxide (silica). Silica xerogel with an average pore size of 2.4 nanometers has a strong affinity for water molecules and is widely used as a desiccant. It is hard and translucent, but considerably softer than massive silica glass or quartz; and remains hard when saturated with water. It is sometimes used in laboratory processes, for example to suppress convection in liquids or prevent settling of suspended particles.

Asia Pacific (APAC) will remain the most lucrative market for silica gel. The silica gel market in this region is projected to register the highest CAGR through

2030. Scope for the packaging industry in Asia Pacific is rapidly growing, with small and big industries majorly focusing on their logistics. As a whole any entrepreneur can venture in this project without risk and earn profit.

PROJECT COST ESTIMATE CAPACITY

Silica Gel White : 200 Kg/Day
 Silica Gel Blue : 200 Kg/Day
 Silica Gel Orange : 200 Kg/Day
 Silica Gel Beads : 200 Kg/Day
 Plant & Machinery : ₹ 22 Lakhs
 Cost of Project : ₹ 94 Lakhs
 Rate of Return : 29%
 Break Even Point : 69%

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Baby Diaper (T-shape and Pull-up Pants)

Diapers are primarily worn by children who are not yet potty trained or experience bedwetting. During the 1950s, companies such as Johnson and Johnson, Kendall, Parke-Davis, Playtex, and Molnlycke entered the Baby diaper market, and in 1956, Procter & Gamble began researching Baby diapers. They have helped many families with low income to get diapers needed for their babies.

Several improvements were made, such as the use of double gussets to improve diaper fit and containment.

Modern Baby diapers products have a layered construction, which allows the transfer and distribution of urine to an absorbent core structure where it is locked in. According to "India Diaper Market Outlook, 2021", India's diaper market was growing with a CAGR of 22.23% over

past five years. Thus, due to demand it is best to invest in this project.

Linear Alkyl Benzene Sulphonic Acid

Linear Alkyl Benzene Sulphonic Acid is an anionic surface active agent with superior detergency and compatibility with a broad range of other anionic, nonionic and amphoteric surfactants. As intermediate it is usually neutralized with various bases to produce sulfonates that are used in numerous industries, most commonly in the production of liquid and powder detergents, household and I&I cleaners, laundry detergents, dishwashing liquids, car wash products, hard surface cleaners etc.

The global Linear Alkyl Benzene Sulphonic Acid market size is expected to gain market growth in the forecast period of 2020 to 2025, with a CAGR of 3.3% in the forecast period of 2020 to 2025 and will be expected to reach USD 4234.1 million by 2025, from USD 3711.3 million in 2019. Entrepreneurs who invest in this project will be successful.

Toughened Glass

The toughened glass is described as a type of glass which has been mechanically strengthened by a thermal process in which a layer of compression has been introduced at the surface. Toughened glass is a type of soda-lime-silica glass with a sheet thickness 4-12 mm. Toughened glass products are now widely used in building construction and other

PROJECT COST ESTIMATE CAPACITY

Capacity	: 4,000 Sq.Ft./Day
Plant & Machinery	: ₹ 331 Lakhs
Cost of Project	: ₹ 758 Lakhs
Rate of Return	: 26%
Break Even Point	: 53%

infrastructure projects. Toughened glass is specifically designed for use in areas where there is a high risk of contact and breakage.

Toughened Glass Market size was over USD 24.5 billion in 2016 and industry expects consumption above 4.3 billion square

meters by 2024. Developments in terms of energy synthesis coupled with superior technologies promoting sustainability and recyclability are likely to influence the growth of the market positively. As a whole any entrepreneur can venture in this project without risk and earn profit.

Multispeciality Hospital (100 Bedded)

A specialty hospital is dedicated to specific sub-specialty care (Urology, General Surgery, Cosmetic surgery, Bariatric surgery, Clinic Pathology, Pediatrics & Neonatology). Patients will often be referred from smaller hospitals to a specialty hospital for major operations, consultations with sub-specialists and when sophisticated intensive care facilities are required. A private hospital is a place where one may get treatment from ordinary fever to a major surgery operation. As a matter of fact, no limitation has been made for the facilities available in a hospital.

These hospitals are able to do specialized tests, undertake dialysis for acute renal failure, provide ventilation to patients with respiratory failure and render intensive care to critically ill patients. The Healthcare Information Technology (IT) market which is valued at US\$ 1 billion currently is expected to grow 1.5 times by 2020. Thus, due to demand it is best to invest in this project.

Our farmers continue to remain poor even though they take risk of cultivating high value fruits and vegetable crops year after year. A cold storage facility accessible to them will go a long way in removing the risk of distress sale to ensure better returns. The total value of the cold chain industry is estimated to be as high as USD 3 billion and growing at 20-25 per cent a year. The total value is expected to reach USD 8 billion by 2015 through increased investments. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE CAPACITY

Capacity	: 100 Bedded
Plant & Machinery	: ₹ 13989 Lakhs
Cost of Project	: ₹ 38304 Lakhs
Rate of Return	: 26%
Break Even Point	: 31%

PROJECT COST ESTIMATE CAPACITY

Capacity	: 2 MT/Day
Plant & Machinery	: ₹ 246 Lakhs
Cost of Project	: ₹ 465 Lakhs
Rate of Return	: 22%
Break Even Point	: 55%

Cold Storage

A cold storage is a temperature-controlled supply chain network, with storage and distribution activities carried out in a manner such that the temperature of a product is maintained in a specified range, needed to keep it fresh and edible for a much longer period than in normal ambient conditions. Cold-chain is considered an important tool for farmers of perishable produce, to connect with markets and to realize meaningful productivity.

Our farmers continue to remain poor even though they take risk of cultivating high value fruits and vegetable crops year after year. A cold storage facility accessible to them will go a long way in removing the risk of distress sale to ensure better returns. The total value of the cold chain industry is estimated to be as high as USD 3 billion and growing at 20-25 per cent a year. The total value is expected to reach USD 8 billion by 2015 through increased investments. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE CAPACITY

Capacity	: 33 MT/Day
Plant & Machinery	: ₹ 179 Lakhs
Cost of Project	: ₹ 514 Lakhs
Rate of Return	: 20%
Break Even Point	: 52%

Market Survey Cum Detailed Techno Economic Feasibility Report on All Above Projects are Available. Contact :

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Oxygen and Nitrogen Gas Plant (Medical and Industrial Grade)

Limelight used oxygen derived from sources such as the barium oxide Brin process. This process was based on the production of barium peroxide by roasting barium oxide in air at 590°C, then raising the temperature to 870°C. At 870°C the peroxide formed decomposes back into oxide, releasing more or less pure oxygen which can then be cooled and compressed into steel gas cylinders. Although crude, the process was ingenious in that it required no continuous input of raw materials other than air and energy. Oxygen is non corrosive and can be contained in any common metals. However care must be taken to remove all oil, grease and other combustible material from piping and containers before putting them into oxygen service.

PROJECT COST ESTIMATE CAPACITY

Capacity	: 3200 Cumtrs/Day
Plant & Machinery	: ₹ 183 Lakhs
Cost of Project	: ₹ 675 Lakhs
Rate of Return	: 26%
Break Even Point	: 50%

Nitrogen gas is a compound that forms from elemental nitrogen, which is found abundantly throughout the planet's atmosphere and in most biochemical reactions. One of nitrogen's unique properties is its ability to form multiple bonds with various other elements and compounds. India industrial gases market was valued at \$ 2.1 billion in 2017 and is forecast to grow at a CAGR of over 11% to surpass \$ 3.9 billion in 2023 on account of growing demand from metal industry, particularly steel. As a whole any entrepreneur can venture in this project without risk and earn profit.

Woven PP Cement Sacks

Woven polypropylene bags are specializing in packing and transporting bulk commodities. Due to strength, flexibility, durability and lower cost, woven polypropylene bags are most popular products in industrial package, which are widely used in packing grain, feeds, fertilizer, seeds, powders, sugar, salt, powder, chemical in granulated form. Polypropylene bags also referred as 'Polypropylene bags' or 'PP bags'. PP woven bags are increasingly used to pack food. Common food woven bags include rice PP weaved bags, flour PP woven bags, maize woven bags, etc.

PROJECT COST ESTIMATE CAPACITY

PP Woven Sacks (for Cement Bag 50 Kgs Size)	: 258000 Nos/Day
PP Woven Jumbo Sacks (for Cement Bag 1500 Kgs Size)	: 956 Nos/Day
Plant & Machinery	: ₹ 566 Lakhs
Cost of Project	: ₹ 891 Lakhs
Rate of Return	: 14%
Break Even Point	: 48%

The global market for polypropylene woven bags and sacks market was valued at US\$ 3,421.5 million in 2017. The market is expected to expand at a CAGR of 4.2% over the forecast period, 2018-2028. Thus, due to demand it is best to invest in this project.

Glucose Saline

Glucose, also known as dextrose, is a simple sugar that can be found in nature and are chemically identical. Dextrose may decrease body protein and nitrogen losses, promote glycogen deposition, and decrease or prevent ketosis if sufficient doses are given. Since dextrose is usually metabolized to carbon dioxide and water, administration of a solution of dextrose and water is

equivalent to providing the same volume of free water.

It is generally used in the patient who has lost his body fluid. Saline solution is used when large amount of sodium has been lost by vomiting or by gastric or intestinal duodenal aspiration or through animation fistula.

The global intravenous solutions market reached a value of US\$ 8.5 Billion in 2019. IV solutions and electrolytes are mainly used for fluid resuscitation, routine maintenance, replacement, and redistribution. The Market size value in 2020 is USD 86.2 million and Revenue forecast in 2025 is USD 121.7 million is expected to exhibit a CAGR of 7.1% from 2018 to 2025. As a whole any entrepreneur can venture in this project without risk and earn profit.

PROJECT COST ESTIMATE CAPACITY

Capacity	: 200000 Bottles/Day
Plant & Machinery	: ₹ 2170 Lakhs
Cost of Project	: ₹ 4083 Lakhs
Rate of Return	: 25%
Break Even Point	: 37%

Vitamin 'C' from Sorbitol

Vitamin c is chemically the simplest of the vitamins and for this reason was among the first to be isolated, characterized, and purified and to have its structure determined. More vitamin C is produced industrially than any other vitamin, or indeed all the other vitamins put together. Vitamin C has been the subject of frequent controversy, even before its nature had been established.

Its role (as a constituent of fruits and vegetables) in the cure and prevention of scurvy was widely debated for hundreds of years. Ascorbic acid is generally used in bread due to its properties that help extend shelf life, high profile industrial bakers such as Hovis and Kings mill both use ascorbic acid in the majority of their loaves.

PROJECT COST ESTIMATE CAPACITY

Capacity	: 600 Kg/Day
Plant & Machinery	: ₹ 371 Lakhs
Cost of Project	: ₹ 717 Lakhs
Rate of Return	: 24%
Break Even Point	: 50%

When used as part of the baking process, ascorbic acid contributes to a number of improvements to the loaf including the presence of a broad distribution network of companies in this region will boost the Asia Pacific vitamin ingredients market in the near future. Analysts predict this regional market to rise at a CAGR of 5.40% from 2017 to 2025 in terms of value. Entrepreneurs who invest in this project will be successful.

Lithium Ion (LiFePO4) Cell Manufacturing

The Lithium Iron Phosphate Battery (LiFePO4 battery) or LFP Battery (lithium ferrophosphate), is a type of lithium-ion battery using LiFePO4 as the cathode material (on a battery this is the positive side), and a graphitic carbon electrode with a metallic backing as the anode. Cylindrical lithium cells are used for high specific energy density and good mechanical stability.

PROJECT COST ESTIMATE CAPACITY

Capacity	: 25000 Nos./Day
Plant & Machinery	: ₹ 3618 Lakhs
Cost of Project	: ₹ 4626 Lakhs
Rate of Return	: 25%
Break Even Point	: 39%

They are used in telecommunication equipment, instruments, portable radios and TVs, pagers. They are used to

operate laptop computers and mobile phones and aerospace application.

The market for lithium-ion battery in India is expected to grow at a CAGR of 34.8% during the forecast period of 2019 – 2024. In addition to it, the lithium-ion battery has comfortable rechargeable property, lightweight, long-lasting; thus, it perfectly contributes to the electric vehicle market to grow in the forecast period. Thus, due to demand it is best to invest in this project.

IV Cannulas Manufacturing Unit

Intravenous (IV) cannulation is a technique in which a cannula is placed inside a vein to provide venous access. Venous access allows sampling of blood, as well as administration of fluids, medications, parenteral nutrition, chemotherapy, and blood products. IV Cannula has veterinary use, nasal or oral use too. Cannula can also be used for piercing. The common uses are rapid transfusion of blood, transfusion of IV drugs. Pediatric patients or adults with small veins undergoing long term medication or blood transfusion are subjected to IV Cannula.

PROJECT COST ESTIMATE CAPACITY

IV Cannula with Wings & with Injection Port Needle	: 40000 Pcs./Day
IV Cannula with Wings & with Injection Port Needle	: 32000 Pcs./Day
IV Cannula with Wings & with Injection Port Needle	: 32000 Pcs./Day
IV Cannula with Wings & with Injection Port Needle	: 24000 Pcs./Day
IV Cannula with Wings & with Injection Port Needle	: 24000 Pcs./Day
IV Cannula with Wings & with Injection Port Needle	: 24000 Pcs./Day
IV Cannula with Wings & with Injection Port Needle	: 24000 Pcs./Day
IV Cannula with Wing & without Injection Port Needle	: 20000 Pcs./Day
IV Cannula with Wing & without Injection Port Needle	: 16000 Pcs./Day
IV Cannula with Wing & without Injection Port Needle	: 16000 Pcs./Day
IV Cannula with Wing & without Injection Port Needle	: 12000 Pcs./Day
IV Cannula with Wing & without Injection Port Needle	: 12000 Pcs./Day
IV Cannula with Wing & without Injection Port Needle	: 12000 Pcs./Day
IV Cannula with Wing & without Injection Port Needle	: 12000 Pcs./Day
IV Cannula with Small Wing & without Injection Port Needle	: 50000 Pcs./Day
IV Cannula with Small Wing & without Injection Port Needle	: 50000 Pcs./Day
Plant & Machinery	: ₹ 1705 Lakhs
Cost of Project	: ₹ 14615 Lakhs
Rate of Return	: 35%
Break Even Point	: 31%

It is also used on oncology patients undergoing Chemotherapy. The global peripheral I.V. cannula. Market was valued at \$3,702.2 million in 2015, and it is expected to grow at a CAGR of 6.0% during the period 2016 – 2022. The global market is increasing, due to growing geriatric population and increasing incidence of chronic diseases. Entrepreneurs who invest in this project will be successful.

Weaving of Fiberglass Fabric for Composites of Domestic as well as Export Markets (using e Class Imported Yarns)

Fiberglass is a popular material that is extremely versatile and is used in many aspects of our everyday lives. Next time you get on a plane or go down a waterslide or turn on the television you will be more knowledgeable about the construction as well as the amazing contributions of fiberglass. Highly flexible material it is used in various household products and industries. Some common places you can find fiberglass are air-craft, windows, roofing, boats and bathtubs.

This high temperature insulation material makes for a great thermal barrier, proving its value and versatility. Fi-

berglass is widely implemented as a composite in jet engines and aircraft interiors as well as a solution for reducing aircraft weight. The light yet durable nature of fiberglass also makes it ideal for more delicate applications, such as circuit boards. Plus, the excellent cost-performance relationship of these textiles makes them a natural choice for a wide range of applications.

The global fiberglass market is projected to grow from USD 11.5 billion in 2020 to USD 14.3 billion by 2025, at a CAGR of 4.5% from 2020 to 2025. As a whole any entrepreneur can venture in this project without risk and earn profit.

PROJECT COST ESTIMATE CAPACITY

Capacity	: 3446 Sq. Mts./ Day
Plant & Machinery	: ₹ 793 Lakhs
Cost of Project	: ₹ 1162 Lakhs
Rate of Return	: 23%
Break Even Point	: 44%

Single Wall Steel Water Bottle

Water bottles are available in different shapes, colors, and sizes. The stainless steel bottle comes with a string to provide ease of carrying. Stainless steel fridge bottle is made from high-quality steel, food-grade and BPA-free stainless steel material that make the bottles safe for use on a regular basis. The taste and nutritive value of the drinks remains intact making the bottle very appropriate choice for storing beverages. Water bottles can be either disposable or reusable.

Metal water bottles are growing in popularity. Made primarily from stainless steel or aluminium (aluminium), they are durable; retain less odor and taste from previous contents than most plastic bottles. Double-walled metal bottles are insulated to keep cold liquids cold and hot liquids hot, without the external surface being too hot or too cold. Because double-walled bottles have more metal in them.

The market is expected to reach INR ~403.06 Bn by the end of 2023, from its current value of INR ~160 Bn, expanding at a compound annual growth rate (CAGR) of ~20.75%

from 2018. Based on volume, the market is likely to reach ~35.53 Bn liters by 2023, expanding at a CAGR of ~18.25% from 2018 to 2023. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE CAPACITY

Capacity	: 2,000 Nos/ Day
Plant & Machinery	: ₹ 138 Lakhs
Cost of Project	: ₹ 439 Lakhs
Rate of Return	: 29%
Break Even Point	: 64%

Magnesium Powder from Dolomite Stone

Magnesium is strongly reactive with oxygen at high temperatures; above 645°C (1,190°F) in dry air, it burns with a bright white light and intense heat. For this reason, magnesium powders are used in pyrotechnics. At room temperature, a stable film of water-insoluble magnesium hydroxide forms on the metal's surface, protecting it from corrosion in most atmospheres.

Magnesium allows the bonding of powder molecules by atomic diffusion process in the shaping production of components by pressure or sintering, will result in components superior to other metals with regard to their characteristics. In particular their weight is a clear benefit. Magnesium powder can serve as desulfurizer or cleaning agent for steel-making industry and casting of non-ferrous metals, and reducer for production of rare metal.

PROJECT COST ESTIMATE CAPACITY

Capacity : 166.7 MT/Day
 Plant & Machinery : ₹ 4160 Lakhs
 Cost of Project : ₹ 13904 Lakhs
 Rate of Return : 26%
 Break Even Point : 72%

The market in Asia-Pacific dominated the global market with a share of over 40% in 2018 and is projected to register the highest CAGR of over 6.5% during the forecast period. The Global Magnesium Powder Market is projected to register a healthy CAGR of 5.50% to reach USD 1,334.6 Million by the end of 2024. Thus, due to demand it is best to invest in this project.

Trichloroisocyanuric Acid

Trichloroisocyanuric acid (TCCA) is a versatile and efficient reagent for chlorination and oxidation reactions. Depending on the reaction conditions employed, it can release either an electrophile chlorine atom (Cl+) or a radical chlorine atom (Cl·) promoting selectively different pathways of reaction. It was effectively used to synthesize many classes of compounds such as: chlorinated arenes, N-chloramines and amides, α-halo-carbonyl compounds, benzyl chlorides, esters, carboxylic anhydrides, and amides.

It is used in chemical synthesis as an easy to store and transport chlorine gas source, it is not subject to hazardous gas shipping restrictions, and its reaction with hydrochloric acid produces relatively pure chlorine. Intensifying demand for safe and treated water across the Asia Pacific region for constraining diseases that is innate from polluted water. Such factor is expected to significantly driving the trichloroisocyanuric acid market growth during the forecast period.

PROJECT COST ESTIMATE CAPACITY

Trichloroisocyanuric Acid : 16.7 MT/Day
 Hydrochloric Acid 32% by product : 24.5 MT/Day
 Plant & Machinery : ₹ 178 Lakhs
 Cost of Project : ₹ 1095 Lakhs
 Rate of Return : 31%
 Break Even Point : 73%

Metal Cutting Wheels (TMT Bar Cutting)

Cut off wheel, also known as a cutoff wheel or cutting disc, is an arbor-mounted tool that may be used with angle grinders or stationary cutoff saws. Cut off wheels have an abrasive-coated material that is used for grinding a range of materials. Wheels typically provide a fast cutting action, long life, and tend to be cost-effective. The two main types of resinoid-bonded abrasive cutting wheels are Type 1, which are flat, and Type 27, which have a raised hub. The abrasive material used in the wheel is one influencer on cut rate and consumable life.

The most common size for these cutting wheels is 4-1/2 inches in diameter, however they can range from 2 to 16 inches in diameter with a thickness range from 0.045 in to 0.125 in. Type 1 discs are flat, and type 27 discs have a raised hub. These wheels are strong, but not immune to breaking, if a cutting wheel breaks while in use, fragments could injure the operator or a nearby co-workers. To avoid breaking cutting discs, never exceed the maximum speed (RPM) specified on the disc, and do not overload the disc by cutting with excess force or jamming the wheel into your workpiece.

Abrasive Wheels Market by Product (Bonded Wheels and Super Abrasive Wheels) and by Material Type (Alumi-

num Oxide, Zirconia Alumina, Silicon Carbide, and Ceramic Aluminum Oxide): The global abrasive wheels market was approximately USD

PROJECT COST ESTIMATE CAPACITY

Metal Cutting Wheels
 8" Size (per packs 5 Pcs.) : 5120 Packs Per Day
 Plant & Machinery : ₹ 143 Lakhs
 Cost of Project : ₹ 323 Lakhs
 Rate of Return : 28%
 Break Even Point : 55%

10.9 billion in 2018 and is expected to generate around USD 17.39 billion by 2026, at a CAGR of around 6.01% between 2019 and 2026. The demand within the global market for grinding discs has been rising on account of standardization of industrial procedures in automotive, iron and steel, and constructions industries.

A grinding disc, also known as grinding wheel, is used in several abrasive machine operations and in abrasive cutting. Grinding machines are used across a range of industries, and the indispensability of grinding discs in these machines is expected to propel demand within the global market. The proven relevance of these discs across multiple industries has helped in earned the trust of the investors and stakeholders in the market.

Maize and It's By Products (Maize Starch, Sorbitol, Liquid Glucose, Dextrose Monohydrate, Dextrose Anhydrous, Gluten and Maltodextrin)

Maize also known as corn is a cereal grain. Maize has become a staple food in many parts of the world, with total production surpassing that of wheat or rice. However, not all of this maize is consumed directly by humans. Some of the maize production is used for corn ethanol, animal feed and other maize products, such as corn starch and corn syrup. Maize is one of the most versatile emerging crop shaving wider adaptability under varied agro-climatic conditions. Globally, maize is known as queen of cereals because it has the highest genetic yield potential among the cereals.

Maize is one of the staple foods in India. The annual maize production in India is around 21 million tonne with the highest maize cultivation in Karnataka, Andhra Pradesh and Rajasthan. India is one of the largest cultivators of maize in the world, and it is a crop suitable for all the growing seasons in nearly every agro-climatic zone within the country's borders. India has seen a dramatic increase in

PROJECT COST ESTIMATE CAPACITY

Maize Starch : 50 MT Per Day
 Sorbitol : 8.5 MT Per Day
 Liquid Glucose : 8.5 MT Per Day
 Dextrose Monohydrate : 8.5 MT Per Day
 Dextrose Anhydrous : 4.2 MT Per Day
 Gluten : 8 MT Per Day
 Maltodextrin : 4.28 MT Per Day
 Germ : 9.5 MT Per Day
 Fiber : 14.5 MT Per Day
 Plant & Machinery : ₹ 4670 Lakhs
 Cost of Project : ₹ 6631 Lakhs
 Rate of Return : 26%
 Break Even Point : 44%

maize cultivation over the past few years, which explains it's pre-eminence as a starch source among processors.

Maize is cultivated on nearly 178 million Ha globally in about 160 countries and contributes ~50% (1,170 million MT) to the global grain production. In India, maize constitutes ~9% of the total volume of cereals produced and is the third most important food grain after rice (~42%) and wheat (~38%). Maize is important to India as 15 million Indian farmers are engaged in Maize cultivation. Having realised the potential of Maize in generating better income to farmers while providing gainful employment, Maize qualifies as a potential

crop for doubling farmer's income. There is a tremendous potential of growth of the Maize value chain in the country.

This is mainly because the area under kharif maize (2016-17) saw a jump to 84.26 lakh ha. There is a bearish trend in the global maize market due to over production in key maize growing countries led by US. Given the global scenario which hints a surplus production this year and assuming the normal kharif maize area, the Agricultural Market Intelligence Centre projected the prices of maize at kharif harvest period of 2017-18.

Stable Bleaching Powder

Bleaching process are those which remove color from natural or artificial products.

In early times bleaching was done by mechanical means and bleached goods were available only to rich. Today the bleaching to textile, paper and other materials constructed from natural fibers is done largely by the chemical agents and bleached articles are available to all. Bleaching powder is used to whitening or removing the natural color of textile fibers, yarns, wood pulp, paper and other products by chemical reaction and also is

PROJECT COST ESTIMATE CAPACITY

Capacity	: 12 MT Per Day
Plant & Machinery	: ₹ 282 Lakhs
Cost of Project	: ₹ 509 Lakhs
Rate of Return	: 25%
Break Even Point	: 54%

an additive in the scouring powder preparation as germicide. Its storage life is short, especially in warm climates. Because of the unstability of bleaching powder at higher temperatures, a more stable bleaching compound was sought.

Bleaching powder stirred into water, soda ash is added, the sludge is allowed to settle and the clear solution of sodium hypochlorite is used as a source of bleach. As liquid chlorine became more easily available many laundries prepared their own sodium hypochlorite solution a practice that persisted. There is demand of bleaching powder increase by 5-7% per annum. Now bleaching powder used largely in the water pollution controlling agent. The commercial laundry industry developed at the turn of the century and has continued to grow rapidly. The progress was showing ups and downs.

Calcium Silicate Insulation Board

Calcium silicate is the chemical compound Ca_2SiO_4 , also known as calcium or the silicate and sometimes formulated $2CaO.SiO_2$. It is one of a group of compounds obtained by reacting calcium oxide and silica in various ratios e.g. $3CaO.SiO_2$, Ca_3SiO_5 , $2CaO.SiO_2$, $Ca_2.SiO_4$, $3CaO_2.SiO_2$, $Ca_3Si_2O_7$ and $CaO.SiO_2$, $CaSiO_3$. Calcium silicate is a white free-flowing powder derived from limestone and diatomaceous earth. It has a low bulk density and high physical water absorption.

Calcium silicate board is an asbestos-free thermal insulation product that can withstand continuous high operating temperatures. It is a lightweight, low thermal conductive, high strength, easy to install, reliable and durable product. Industrial grade piping and equipment insulation is often fabricated from calcium silicate. It is a white free-flowing powder obtained by reacting calcium oxide and silica. Calcium Silicate Board is manufactured from a mixture of portland cement, fine silica, special cellulose fibers and selected fillers to impart durability, toughness, fire and moisture resistance.

Active calcium silicate market size from fire protection applications should generate over USD 135 million in sales through to 2024. It is used in blast furnace, building walls, oil refinery, and electric arc furnace in blocks and boards

forms. Growing high temperature insulation application scope in steel, glass and petrochemical industries should boost product demand.

Ceramic applications of active calcium silicate market may witness gains at over 3.5%, with tiles, false ceilings, plaster of Paris, and roof manufacturing being key uses.

PROJECT COST ESTIMATE CAPACITY

Capacity	: 1,000,000 Sq.Mtrs. Per Annum
Plant & Machinery	: ₹ 445 Lakhs
Cost of Project	: ₹ 1215 Lakhs
Rate of Return	: 27%
Break Even Point	: 60%

Frequent and wide-spread use plaster of Paris and false ceiling in construction projects will stimulate product penetration. Global Active Calcium Silicate Market generated over USD 100

million for 2015, with consumption slated to exceed 119 kilo tons by 2024. U.S. active calcium silicate market size, by application, 2013-2024 (USD Million) Positive indicator in construction spending along with increasing acoustic insulation and passive fire protection (PFP) demand across construction & residential projects should drive active calcium silicate market size growth.

Craft Beer

Craft brewing is a more encompassing term for developments in the industry succeeding the microbrewing movement of the late 20th century. The definition is not entirely consistent but typically applies to relatively small, independently-owned commercial breweries that employ traditional brewing methods and emphasize flavor and quality.

Their craft beer, originally made in small batches for consumption at brewpubs, will be initially launched at retail stores in markets such as Goa, Bengaluru, Pune and Gurugram. So far, India has seen just a few craft beer brands such as Bira, White Owl and Simba, sold off shelves despite nearly 170 microbreweries that opened over the past decade. India's craft beer industry accounts for 2-3% of the country's beer market which is largely skewed towards the stronger version. The surge of interest in craft beer has

been driven by millennials, many particularly interested in this form of beer that is more authentic, premium and has a complex flavour compared to regular lager sold by MNCs. "Brewpubs make good experience centres that help scale a brand.

The beer market is rapidly expanding and is expected to reach \$9billion in 2018. It is the third largest

market in the Indian alcoholic beverages industry. The size of the beer market has virtually doubled every five-and-a-half years. Beer market has been segmented into strong beer and mild beer on the basis of their alcohol content. Beer is globally the third most popular drink after water and tea. Growing at a CAGR of 2.4%, it is projected that the global beer market will reach approximately USD 636 billion by 2020.

PROJECT COST ESTIMATE CAPACITY

Craft Beer (Cans & Bottles 650 ml Size)	: 15384 Nos. Per Day
Plant & Machinery	: ₹ 1273 Lakhs
Cost of Project	: ₹ 2052 Lakhs
Rate of Return	: 26%
Break Even Point	: 43%

Chocolate

Chocolate is a key ingredient in many foods such as milk shakes, candy bars, cookies and cereals. It is ranked as one of the most favourite flavours in North America and Europe. Despite its popularity, most people do not know the unique origins of this popular treat. Chocolate is a product that requires complex procedures to produce. The chocolate and confectionery products

industry has traditionally been subject to significant fluctuations in demand. Chocolate products tend to be seasonal in nature, with demand increasing sharply during the holidays. Consumers of all age groups prefer chocolate and confectionery products because of their attractive appearance and colour.

Chocolate, candy and gum are some of people's best-loved treats. These sweets have been enjoyed around the world for thousands of years. Early man developed a taste for sweets by digging honey from beehives.

The chocolates market in India is estimated at around 45,000 tonnes valued at approximately Rs. 15.0 bn. The

PROJECT COST ESTIMATE CAPACITY

Chocolate	: 4000 Kgs. Per Day
Toffee	: 1200 Kgs. Per Day
Candy	: 1200 Kgs. Per Day
Plant & Machinery	: ₹ 273 Lakhs
Cost of Project	: ₹ 600 Lakhs
Rate of Return	: 28%
Break Even Point	: 56%

counter market is estimated at about Rs. 5 to 7 bn and the rest is made up of chocolate bars. Chocolates make up less than a fourth of the sweet-tooth products including sugar-boiled confectionery, mints and chewing gums. Sugar confectionery is by far the largest segment. As chocolates remain an impulsive buy to the

extent of 75%, the Indian chocolate market is estimated today at nearly Rs. 200 bn over (USD 4.40 bn) and is growing at 20%. The global market is estimated at USD 80 bn. So far, mainly an urban-oriented product, the rural segments is unfolding a huge potential having already provided a 35% share of the market.

MIG Welding Wire

MIG Wire is Copper coated strong wire. MIG wires are applied to weld numerous ferrous and non-ferrous materials and give sound results. Solid copper coated welding wire for welding in gas shielding atmospheres. MIG welding wire applications are like Pressure Vessels, Heat Exchangers, Automotive parts etc.

The Indian welding consumables market will be worth INR 45.37 bn by 2020. On the basis of type of welding consumables, the demand for wires and fluxes is expected to be high on account of their high performance. They also have several benefits including suitability for outdoor work, use in automatic welding systems, low wastage, and high productivity. This facilitates the development of new technologies and ensures a high quality product.

PROJECT COST ESTIMATE CAPACITY

MIG Welding Wire	: 840 MT/Annum
Plant & Machinery	: ₹ 122 Lakhs
Cost of Project	: ₹ 318 Lakhs
Rate of Return	: 27%
Break Even Point	: 64%

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Empty Hard Gelatin Capsules

Hard gelatin capsules are made of two shells: the capsule body and a shorter cap. They are clear, colorless, and essentially tasteless. Two-piece capsules have been used for almost a century in the pharmaceutical field and the gelatin has been adopted as the main material of these capsules due to its excellent characteristic as a gelatinizer.

PROJECT COST ESTIMATE CAPACITY

Empty Hard Gelatin Capsules	: 2500 Th.Nos./Day
Plant & Machinery	: ₹ 1565 Lakhs
Cost of Project	: ₹ 2149 Lakhs
Rate of Return	: 28%
Break Even Point	: 49%

The global empty hard gelatin capsules market was valued at \$1,841.5 million in 2017 and is expect-

ed to reach \$3,707.5 million by 2025, registering a CAGR of 9.1% from 2018 to 2025. Capsules are relatively stable shells that contain or encapsulate medicines, which are administered in a variety of dosage forms. As a whole there is a good scope for new entrepreneur to invest in this business.

Liquor from Mahua Flower

Mahua flower belonging to saponaceous family is an important tree. The flowers are largely used in preparation of distilled liquors. The freshly prepared liquor has a strong smoky foetid odour, which disappears on ageing. Red is tilled and carefully prepared liquors are of good quality. The flowers are also used for the preparation of vinegar. The major components of flowers are sugars and additionally it contains proteins, vitamins, organic acids and essential oils. The ripe flowers, which fall from the tree are collected. The yield per tree ranges from 100-200 kgs. These are dried in the sun and sent to distilleries. The yield of proof spirit per tone of mahua flowers is approximately around 450 liters. The cost of dried mahua flowers is quite less in comparable to other raw materials source.

From earliest times man has sought for beverages, which give him refreshment, and now some of them have become almost an essential part of human diet.

PROJECT COST ESTIMATE CAPACITY

Capacity	: 1500 Ltrs/Day
Plant & Machinery	: ₹ 27 Lakhs
Total Capital Investment	: ₹ 142 Lakhs
Rate of Return	: 42%
Break Even Point	: 47%

These strains bring about these fermentation one of the main alcoholic beverages is the country liquor which is the poor man's drink. Country liquor has high intoxicating properties. In India IMFL (Indian Made Foreign Liquors) is too much costly than country liquor, so IMFL is not available for a common man.

But being cheaper the country liquor than IMFL, so far a common public, it is quite available, and they consume a huge amount.

Worldwide production of country liquors rises steadily each year, which attests the buoyant condition of the producing industries. Future prospects must therefore be extremely rosey. Country liquor is generally used for direct consumption. The people who cannot afford the prices of foreign liquor, they go for country liquor. So mostly poor class people will get full utility from the country liquor. The demand of country liquor is increasing rapidly, so there is wide scope for new entrepreneurs.

Spices (Turmeric, Red Chilli, Dhaniya and Jeera Powder)

Spices are non-leafy parts (e.g. bud, fruit, seed, bark, rhizome, and bulb) of plants used as a flavoring or seasoning, although many can also be used as an herbal medicine. A closely related term, 'herb', is used to distinguish plant parts finding the same uses but derived from leafy or soft flowering parts. Spices are essential ingredients in any good cook's kitchen. They are also used in the manufacture of incense, oils, cosmetics, preservatives and flavorings.

India is the largest producer, consumer and exporter of spices and spice products in the world and produces more than 50 spices. India is also a big exporter of Chilli, turmeric, cumin, pepper and many other spices. The revenues from In-

dia market are expected to expand to around USD 18 billion in FY' 2020, growing with a CAGR of ~% from FY' 2016 to FY' 2020. The highest contribution to this growth is expected to come from the spice mixes and blended spices. As a whole any entrepreneur can venture in this project without risk and earn profit.

PROJECT COST ESTIMATE CAPACITY

Turmeric Powder	: 600 Kgs/Day
Red Chilli Powder	: 200 Kgs/Day
Coriander Powder	: 200 Kgs/Day
Cumin Powder	: 200 Kgs/Day
Plant & Machinery	: ₹ 60 Lakhs
Cost of Project	: ₹ 110 Lakhs
Rate of Return	: 28%
Break Even Point	: 63%

Solar Power Plant

Solar power is one of the most promising renewables. It is reliable and less vulnerable to changes in seasonal weather patterns. Hydrogen, in the capacity of energy vector, is expected to be the optimum solution for intermittency and storage of energy produced by renewables. The basic work of Solar Power plant is to generate electricity from Solar Panels. Solar Panels generate DC (Direct Current) electricity from sunlight, Solar Inverter convert this power to AC (Alternative Current) and run your electrical home appliances and machines.

The total installed capacity of solar power plants in India stands at 13.11 GW as of June 2017. The Indian government significantly expanded its solar plans, targeting US\$100 billion of investment and 100 GW of solar capacity by 2022. The installed grid connected solar power capacity

PROJECT COST ESTIMATE CAPACITY

Solar Power	: 1 MW
Plant & Machinery	: ₹ 411 Lakhs
Cost of Project	: ₹ 811 Lakhs

is 4,060.65 MW, and India expects to install an additional 10,000 MW by 2017 and a total of 100,000 MW by 2022. Thus, due to demand it is best to invest in this project.

Peanut Butter

Peanut butter is a food paste made from ground nut or peanut. It consists essentially of cleaned, graded, blanched, roasted and crushed groundnuts containing about 45 percent of oil and over 25 percent of proteins, being thus a highly nutritive food. Since India occupies the first position both in regard to the area and the production of groundnut, in the world, it is bound to explore all the qualitative values of groundnut, and use it to the maximum.

The major groundnut-producing countries of the world are India, China, Nigeria, Senegal, Sudan, Burma and the USA. Out of the total area of 18.9 million hectares and the total production of 17.8 million tonnes in the world, these countries account for 69% of the area and 70% of the production. India occupies the position, both in regard to the area and the production, in the world. About 7.5 million hectares is put under it annually and the production is about 6 million tonnes.

70% of the area and 75% of the production are concentrated in the four states of Gujarat, Andhra Pradesh, Tamil Nadu and Karnataka. Andhra Pradesh, Tamil Nadu, Karnataka and Orissa have irrigated area forms about 6% of the total groundnut area in India.

In United State's half the crop is processed into edible prod-

PROJECT COST ESTIMATE CAPACITY

Peanut Butter	: 8,000 Kgs / Day
Plant & Machinery	: ₹ 126 Lakhs
Cost of Project	: ₹ 562 Lakhs
Rate of Return	: 29%
Break Even Point	: 53%

ucts mainly peanut butter, other products include peanut candy, salted nuts peanut butter is made and consumed primarily in the U.S. The peanuts are shelled and dry-roasted the skins are removed and the nuts are finally ground.

Global trade of Indian Peanuts or Indian Groundnut oil is to the maximum of 100000 tons a year. EU and major importers. Senegal and Argentina are the major Peanuts exporters.

Around 75% of the crop is produced in khariff (June–September) and remaining 25% in Rabi (November–March). India exported around 100000 tons of groundnut oil in 2003-04 after 4 decades, as crop failed in Senegal and Argentina. Peanuts or Groundnut kernels are approx. 70% of weight in shells and kernels have an oil recovery of 40-42%.

China (2-2.5 million tons), India (1.5-2 million tons) is the major producers of groundnut oil, followed by Sub-Saharan African countries and Central and South America.

Groundnut is the major oilseed of India. It accounts for around 25% of the total oilseed production of the country. Annual production of Indian Peanuts and Indian Peanuts oil are around 5-8mln and 1.5 mln tons respectively. Peanuts Production is highly vulnerable to rainfall deviations and display huge fluctuation between years.

Various drivers for peanut butter market includes rising demand for nutritious products coupled with increasing disposable income of consumers especially in developing countries. Other drivers that fuel the growth of peanut butter market are increasing demand for low calorie healthy food and emergence of hectic life schedule. Changing lifestyle coupled with shift towards the intake of convenient food are also factors that are expected to drive the peanut butter market in the coming four to five years. Major restraint that is expected to hamper the growth of the overall peanut butter market is the availability of peanut at relatively competitive prices coupled with fluctuating production of peanuts especially in India.

Aluminium Foil

Aluminium foil is aluminium prepared in thin metal leaves, with a thickness less than 0.2 millimetres (8 mils), thinner gauges down to 6 µm (0.2 mils) are also commonly used. Standard household foil is typically 0.016 millimetres (0.6 mils) thick and heavy duty household foil is typically 0.024 millimetres (0.9 mils). The foil is pliable, and can be readily bent or wrapped around objects. Aluminium foil is produced by rolling sheet ingots cast from molten aluminium, then re-rolling on sheet and foil rolling mills to the desired thickness, or by continuously casting and cold rolling.

There are around 10 Major Aluminium Foil manufacturers in India with rolling capacity of around 10000 tons per month to

cater the total demand of around 12000 tons per month in different field of pharmaceuticals and flexible packaging industries. The Global demand for aluminium foil is forecast to expand 8.7% p.a. between 2014 and 2018. As a whole there is a good scope for new entrepreneur to invest in this business.

Hot Melt Glue Stick

Hot melt adhesive is special kind of adhesives, which can be used at high temperature and adhesion properties remain unchanged on cooling. Hot melt adhesives basically formed by compounding

PROJECT COST ESTIMATE CAPACITY

Aluminium Foil Food Grade (thickness 0.006 mm to 0.150 mm)	: 24 MT/Day
Plant & Machinery	: ₹ 310 Lakhs
Cost of Project	: ₹ 1253 Lakhs
Rate of Return	: 29%
Break Even Point	: 52%

of synthetic polymeric resin. Synthetic polymeric resins are used polyvinyl acetate, Polyethylene acetate, Urea formaldehyde etc.

Hot Melt Adhesives Market size exceeded USD 6.60 billion, globally in 2018 and is estimated to grow at over 6.4% CAGR between 2019 and 2026. Automobile application segment held the highest share in 2018, and is expected to maintain its dominance throughout the forecast period.

Hot melt adhesives demand is attributed towards rising importance regarding disposable hygiene products and growing government initiatives to promote health & wellness among individuals. With increasing awareness for personal hygiene, consumers are looking for products with enhanced features such as better absorption and improved softness which has augmented the adoption of environment friendly disposable adhesives.

The hot melt adhesives market offers an effective solution for carton closing, sealing and play a significant role in overcoming challenges such as energy efficiency and product safety. This has further enhanced its usage in food, beverage & other consumer goods packaging applications. The Adhesive Technologies business unit is a leading solution provider for adhesives, sealants and functional coatings for consumers, craftsmen and industrial applications. Henkel offers a multitude of applications to satisfy the needs of different target groups: consumers, craftsmen and industrial businesses. In 2019, the business unit generated sales of 9,461 million euros, 47 percent of total company sales. As a whole any entrepreneur can venture in this project without risk and earn profit.

Active Zinc Oxide from Zinc Ash, Secondary Zinc Waste & EAF Dust

Active Zinc oxide is a chemical compound with formula ZnO. It occurs as white hexagonal crystals or a white powder commonly known as zinc white which is used as a pigment in paints. It is nearly insoluble in water but soluble in acids or alkalis. Chinese white is a special grade of zinc white and used in artists' pigments. Zinc oxide and stearic acid are important ingredients in the commercial manufacture of rubber goods. Active Zinc oxide is valuable and growth-oriented product both for direct application and production of other zinc compounds. Two main processes for producing Active zinc oxide are direct and indirect methods. In the direct or American method, zinc ore is heated in air with coke or anthracite, and the resulting zinc vapors are subjected to the controlled oxidation. In the indirect or French process the zinc vapors to be oxidized are obtained by boiling zinc.

The global Active zinc oxide (ZnO) market size is projected to grow from USD 4.4 billion in 2019 to USD 5.7 billion by 2024, at a compound annual growth rate (CAGR) of 5.4%, during the forecast period. ZnO is a white inorganic compound that is used widely in pharmaceuticals, rubber, ceramics cosmetics, chemicals, and glass industries.

PROJECT COST ESTIMATE	
CAPACITY	
Clear Transparent Glue Stick Size 200 mmx 7 mm (LxD)	: 2,000 Kgs / Day
Yellow Glue Stick Size 250 mmx 11 mm (LxD)	: 2,000 Kgs / Day
Milky Glue Stick Size 100 mmx 7 mm (LxD)	: 2,000 Kgs / Day
Plant & Machinery	: ₹ 73 Lakhs
Cost of Project	: ₹ 687 Lakhs
Rate of Return	: 27%
Break Even Point	: 49%

The growth of these end-use industries is expected to fuel the global Active zinc oxide market demand over the forecast period.

Rising application of product in paints and coatings is projected to drive the Active zinc oxide market growth. One trend in the market is increasing use in semiconductor industry. The growing demand for Active zinc oxide in the production of varistors, ferrites, and solar cells is expected to propel the growth of the global Active zinc oxide market in the forecast period. The major driver in the market is growing demand for Nano Active zinc oxide. Nano Active zinc oxide is a specialized nanomaterial that is mainly available in the form of dispersions and powders. Companies operating in the Active zinc oxide market are also focusing on new product development and agreement to tap the opportunities in applications, such as solar energy, surface coatings, and pharmaceuticals. The Europe market is mature and developed stably in the past few years and will keep the trend in the next years. North America, led by the U.S. is expected to account for substantial growth in the market during the forecast period. As a whole any entrepreneur can venture in this project without risk and earn profit.

Toothpaste

Toothpaste is a paste or gel to be used with a toothbrush to maintain and improve oral health and aesthetics. Since their introduction several thousand years ago, toothpaste formulations have evolved considerably—from suspensions of crushed egg shells or ashes to complex formulations with often more than 20 ingredients. Among these can be compounds to combat dental caries, gum disease, malodor, calculus, erosion and dentin hypersensitivity.

The global toothpaste market is projected to grow at a CAGR of 6.1% during the forecast period. The toothpaste market was valued at USD 26.09 billion in 2018, and it is projected to reach USD 36.98 billion by 2024. Increasing dental problems among children and adults, due to poor eating habits, and the rise in popularity for herbal oral care products are the factors primarily driving the global toothpaste market.

PROJECT COST ESTIMATE	
CAPACITY	
Toothpaste 100 gms Tubes	: 15,000 Tubes / Day
Toothpaste 200 gms Tubes	: 7,500 Tubes / Day
Plant & Machinery	: ₹ 181 Lakhs
Cost of Project	: ₹ 889 Lakhs
Rate of Return	: 29%
Break Even Point	: 59%

The growth in India's oral hygiene industry is mostly influenced by changing consumer Behaviour, companies' business strategies, govt. policies and the increasing entrance of various leading international brands in the Indian market. With rising disposable income and changing tastes and lifestyle, consumers are trading-up for expensive premium products. The mass product market has also expanded on account of increasing population with the emergence of middle class. Image consciousness and oral health awareness has led to increased demand for advance oral care products. As a whole any entrepreneur can venture in this project without risk and earn profit.

PROJECT COST ESTIMATE	
CAPACITY	
Active Zinc Oxide	: 20 MT / Day
Plant & Machinery	: ₹ 285 Lakhs
Cost of Project	: ₹ 830 Lakhs
Rate of Return	: 31%
Break Even Point	: 56%

Ethanol from Broken Rice, Maize & Wheat

Ethanol 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 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 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.

PROJECT COST ESTIMATE CAPACITY

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

Bamboo Fabric

As bamboo fabric is gaining popularity in the fashion industry, there will naturally be an increase in growth and demand for more bamboo plants. This could ultimately lead to an increased amount of photosynthesis and result in another alternative to combating greenhouse gases. India's textiles sector is one of the oldest industries in Indian economy dating back several centuries. India's textile and apparel exports stood at US\$ 38.70 billion in FY19 and is expected to increase to US\$ 82.00 billion by 2021 from US\$ 22.95 billion in FY20 (up to November 2019).

The Indian textiles industry is extremely varied, with the hand-spun and hand-woven textiles sectors at one end of the spectrum, while the capital-intensive sophisticated mills sector at the other end of the spectrum. The decentralized power looms/ hosiery and knitting sector form the largest component of the

textiles sector. The close linkage of the textile industry to agriculture (for raw materials such as cotton) and the ancient culture and traditions of the country in terms of textiles make the Indian textiles sector unique

in comparison to the industries of other countries. The Indian textile industry has the capacity to produce a wide variety of products suitable to different market segments, both within India and across the world. As a whole any entrepreneur can venture in this project without risk and earn profit.

PROJECT COST ESTIMATE CAPACITY

Bamboo Fabric 160 gsm	: 50,000 Meters / Day
Plant & Machinery	: ₹ 87 Lakhs
Cost of Project	: ₹ 540 Lakhs
Rate of Return	: 30%
Break Even Point	: 57%

E-Waste Recycling Plant

Electronic 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.

PROJECT COST ESTIMATE CAPACITY

Plastic Granules	: 470 Kgs / Day
Glass Scrap	: 353 Kgs / Day
Copper Scrap	: 294 Kgs / Day
Precious Metals (Nickel, Tin & Zinc)	: 60.00 Kgs / Day
Gold	: 0.0192 Kgs / Day
Silver	: 0.0384 Kgs / Day
Palladium	: 0.0010 Kgs / Day
Plant & Machinery	: ₹ 107 Lakhs
Cost of Project	: ₹ 336 Lakhs
Rate of Return	: 28%
Break Even Point	: 58%

Paraffin Wax

Paraffin wax is an organic phase change material with high heat of fusion which in melting and solidifying at a certain temperature is capable of storing and releasing large quality of thermal energy. Melting point is the temperature variation property of paraffin wax that makes it the best choice organic phase change material used in latent heat and thermal energy storage. It is the melting point paraffin wax that allows it to be excellently used in preventing global warming and in home cooling.

The global paraffin wax market is expected to reach USD 7.27 billion by 2025. Increasing demand for paraffin waxes in flexible packaging, candle manufacturing, rubber, and cosmetics is expected to aid in market expansion over the next nine years. Rising consumption of these products as a rheology modifier, electrical insulator, friction reducer, plasticizer, and flame retardant is expected to increase market size over the forecast period. Paraffin waxes are used in flexible packaging as they provide an excellent barrier

against odor and gas transmission. The growing food & beverage sector in developing countries including China, Japan, India, South Korea, South Africa, and Brazil is expected to stimulate packaging growth, which in turn will drive product de-

PROJECT COST ESTIMATE CAPACITY

Paraffin Wax	: 10 MT / Day
Micro Crystalline Wax (Bye Product)	: 0.034 MT / Day
Foot Oil (Bye Product)	: 2.510 MT / Day
Plant & Machinery	: ₹ 312 Lakhs
Cost of Project	: ₹ 886 Lakhs
Rate of Return	: 18%
Break Even Point	: 51%

mand over the upcoming years. As a whole any entrepreneur can venture in this project without risk and earn profit.

Aluminium Ingots from Aluminium Scrap

Ingots are very large casting products, greater in size and shape than blooms, billets and slabs. Ingot generally has rectangular/square cross section, but it is not necessary that it should be uniform throughout its length. (Ingot may have variable cross section.) Aluminium Alloy Ingots Like LM-2, LM-4, LM-6 which are commonly used in Gravity and Sand Casting, Pressure Die Casting Alloys like LM-13, LM-14, LM-24, ADC-12, ALSI-132 etc. are also being manufactured as per the Indian and International standards.

In the transportation sector, aluminium is used for panning, floors and windows. So far, it is not used for structural parts and bodies of automobiles. An Indian car uses only about 54 kg of aluminium against a global average of 100 to 110 kg. This sets the high potential for growth with the increase in the automobile sector.

India's share in world aluminium market is estimated at around 3%. India ranks fifth in bauxite production

PROJECT COST ESTIMATE CAPACITY

Aluminium Alloy Ingots	: 24 MT / Day
Aluminium Scrap	: 0.40 MT / Day
Plant & Machinery	: ₹ 186 Lakhs
Cost of Project	: ₹ 703 Lakhs
Rate of Return	: 30%
Break Even Point	: 62%

in reserves base and is ahead of China with 2300 mntonnes. India ranked seventh in alumina production with a total output of 3 mntonnes, a share of nearly 5% of the global production of 61 mntonnes. The per capita consumption of aluminium in India continues to remain abysmally low at under 1 kg as against nearly 25 to 30 kg in the US and Europe, 15 kg in Japan, 10 kg in Taiwan and 3 kg in China. As a whole any entrepreneur can venture in this project without risk and earn profit.

Whole Wheat Processing Unit to Extract VWG and Starch Milk to Fermentation for Ethanol

Wheat is produced in 120 countries and accounts for about 19 percent of the world's calorie supplies. It is used primarily as flour for making bread, pastry, pasta and noodles etc. It is also used to feed livestock, with the feed used for accounting for about 17 percent of global wheat consumption. In addition the by-products from milling wheat into flour are used as feed. The annual global production of dry wheat is about 529 Tg. Asia (43%) and Europe (32%) are the primary production regions. India being the second larger producer of wheat after China and it can be considered as a promising substitute of corn for bioethanol. Secondly, a huge quantity of wheat is wasted every year due to mismanagement in the warehouses thus this waste wheat can also be utilised for bioethanol production.

Alcohol, also known by its chemical name ethanol, is a psychoactive drug that is the active ingredient in drinks such as beer, wine, and distilled spir-

its (hard liquor). It is one of the oldest and most common recreational substances, causing the characteristic effects of alcohol intoxication ("drunkenness"). Among other effects, alcohol produces a mood lift and euphoria, decreased anxiety, increased sociability,

sedation, impairment of cognitive, memory, motor, and sensory function, and generalized depression of central nervous system function. Ethanol is a type of chemical compound known as an alcohol, and is the only type of alcohol that is found in alcoholic beverages or is commonly used for recreational purposes; other alcohols such as and isopropyl alcohol are toxic.

India is one of the largest producers of alcohol in the world and contributes to 65% of production and nearly 7% of imports into the region. The precise estimate of unrecorded alcohol production is not clearly known. India is the largest whisky market in the world. And there is increasing demand for imported whisky and wine. Economic affluence, urbanization, changing lifestyles and social mores are all persuading young people to take to drinking. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE CAPACITY

Wheat Gluten Powder	: 11,000 MT Per Annum
Wheat Base Alcohol	: 18,000 MT Per Annum
Plant & Machinery	: ₹ 7542 Lakhs
Cost of Project	: ₹ 10073 Lakhs
Rate of Return	: 25%
Break Even Point	: 43%

Wheat Starch & Gluten

The India starch and starch derivative market is projected to grow at a CAGR of 5.1% during the forecast period 2020-2025. The growing demand for wheat starch as a stabilizing and gelling agent in several end-use sectors is one of the main drivers of the world market for wheat starch. Wheat starch is used as a thickening agent in various food products. Wheat starch thickens food products by gelatinization and retro gradation. Many wheat starch producers offer healthier products due to the increasing demand for wheat starch as the best gelling agent in a variety of meat products. Wheat starch is mainly used in gluten-free food products, which are consumed mainly by people intolerant to gluten. Wheat starch can also be used as a substitute for fat in various food products. As a result, the global wheat starch market is expected to grow significantly during the forecast period. Thus, due to demand it is best to invest in this project. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE CAPACITY

Wheat Starch	: 25 MT / Day
Wheat Gluten	: 6 MT / Day
Bran, Fiber & Protein (Bye Product)	: 10 MT / Day
Plant & Machinery	: ₹ 199 Lakhs
Cost of Project	: ₹ 641 Lakhs
Rate of Return	: 28%
Break Even Point	: 62%

Cellulose Fiber

Cellulose Fiber Market is forecasted to reach \$42.2 billion by 2025, after growing at a CAGR of 8.1% during 2020-2025. With rise in the consumption in textile industry coupled with growing population, is expected to fuel the demand of cellulose fiber. Growing public interest towards sustainable, skin-friendly, biodegradable, and environment-friendly products will further enhance the overall market demand for cellulose fibers during the forecast period. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE CAPACITY

Cellulose Fiber	: 20 MT / Day
Plant & Machinery	: ₹ 154 Lakhs
Cost of Project	: ₹ 686 Lakhs
Rate of Return	: 27%
Break Even Point	: 61%

Corn Starch Based Biodegradable Tableware

Rising awareness regarding the ill effects of plastic tableware, awareness about the benefits of environmental friendly tableware, increasing adoption of non-toxic and petroleum free products, increasing disposable income and extending investment in research and development are some of the significant factors that are projected to result in the market growth. Additionally, the sustainability trend has led to the packaging industry to adopt a change in the materials used by them. These sustainability-centered initiatives and the need for change in packaging formats along with other prominent industry trends have been impacting the packaging industry. This is evolving consumer preferences, cost constraints, e-commerce, and favorable government regulations for permitting biodegradable tableware market which is further estimated to boost the market growth with notable CAGR during the forecast period 2020-2028. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE CAPACITY	
Biodegradable Plate 9" Size (10 Pcs. Each Box)	: 6,000 Nos / Day
Biodegradable Bowl 6" Size (10 Pcs. Each Box)	: 800 Nos / Day
Biodegradable Cup (10 Pcs. Each Box)	: 1,333.3 Nos / Day
Biodegradable Lunch Box with Hinged Lid 650 ml (10 Pcs. Each Box)	: 1,866.7 Nos / Day
Plant & Machinery	: ₹ 40 Lakhs
Cost of Project	: ₹ 159 Lakhs
Rate of Return	: 28%
Break Even Point	: 65%

2019 to 2024. The composites end product market is expected to reach an estimated \$114.7 billion by 2024. Thus, due to demand it is best to invest in this project.

Herbal Health Drink

Global Herbal Tea Market is expected to register a CAGR of 4.94% to reach USD 4,226.9 Million by 2025. Herbal teas or tisanes are caffeine-free and do not use the leaves of the Camellia silences plant. Tisanes are made using a mixture of dried leaves, seeds, grasses, nuts, barks, fruits, flowers, or other botanical elements that provide taste and various health benefits. The global herbal tea market has been largely benefited by the high demand for functional beverages and the launch of new and innovative flavors. Several tea producers are entering the food & beverage industry, which is contributing to the growth of the herbal tea market across the globe. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE CAPACITY	
Herbal Health Drink : 30,000 Bottles / Day 200 ml Size Bottle	
Herbal Health Drink : 12,000 Bottles / Day 500 ml Size Bottle	
Plant & Machinery	: ₹ 27 Lakhs
Cost of Project	: ₹ 328 Lakhs
Rate of Return	: 28%
Break Even Point	: 52%

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

Eggshell Powder

The eggshell membrane powder market is expected to grow at a CAGR of ~13% during the forecast period 2019-2029. The pet food supplement industry is an emerging industry, as consumers are becoming fonder of their pets and take proper care of their nutrition. In order to ensure that their pets get adequate nutrients, consumers prefer pet food supplements that are organic and natural, to avoid any adverse effects on pets. Egg membrane protein powder is mainly used in pet supplements to reduce bone disorders and comfort them in case of seasonal allergies. Hence, this evolving demand for pet supplements is driving the global egg membrane protein powder market. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE CAPACITY	
Eggshell Powder	: 2 MT / Day
Plant & Machinery	: ₹ 11 Lakhs
Cost of Project	: ₹ 42 Lakhs
Rate of Return	: 30%
Break Even Point	: 79%

Composite Materials (Carbon Fibre Composites & Glass Fibre Composites)

The future of the composites market looks attractive with opportunities in the transportation, construction, wind energy, pipe & tank, marine, consumer goods, electrical and electronics, aerospace, and others. The composite materials market is expected to reach an estimated \$40.2 billion by 2024 and it is forecast to grow at a CAGR of 3.3% from

PROJECT COST ESTIMATE CAPACITY	
Carbon Fibre Composite Laminate M2 width 1500 mm	: 833.3 Sq. MTR. / Day
Glass Fibre Composite Laminate M2 width 1500 mm	: 833.3 Sq. MTR. / Day
Plant & Machinery	: ₹ 115 Lakhs
Cost of Project	: ₹ 452 Lakhs
Rate of Return	: 29%
Break Even Point	: 67%

Plastic Waste Recycling Plant

Plastic recycling refers to a process that is performed either mechanically or chemically to recover plastic waste from discarded items for production of reusable plastic. The global plastic recycling market has been gaining a steady momentum over the past few years due to the growing awareness about carbon emissions and the need to reduce them. Citing this reason, the report states that the global plas-

tic recycling market, which was valued at US\$31.5 bn in 2015 is expected to reach a figure of US\$56.8 Bn by 2024. During the forecast period of 2016 and 2024, the global market is expected to progress at a CAGR of 6.9%. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE CAPACITY

Recycled PP Granules	: 578 Kgs / Day
Recycled LDPE Granules	: 720 Kgs / Day
Recycled HDPE Granules	: 727 Kgs / Day
Recycled Delrin Granules	: 475 Kgs / Day
Recycled PET Granules	: 2,500 Kgs / Day
Plant & Machinery	: ₹ 144 Lakhs
Cost of Project	: ₹ 380 Lakhs
Rate of Return	: 26%
Break Even Point	: 68%

Rewinding of Burnt Electric Motors

Market size value of electric motor sales in 2020 is USD 145.8 billion. Revenue forecast of electric motor sales in 2027 USD 252.5 billion. Growth Rate CAGR of 8.2% from 2020 to 2027 increasing demand for them in various industries including chemicals, paper & pulp, cement, and wastewater treatment is likely to further contribute to the growth of the segment. Growing sales of electric vehicles and subsequent scope of the machine type in the same are also expected to spur the growth of the segment over the forecast period. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE CAPACITY

Rewinding Brunt Electric Motors	: 10 Nos. / Day
Plant & Machinery	: ₹ 885 Lakhs
Cost of Project	: ₹ 1320 Lakhs
Rate of Return	: 27%
Break Even Point	: 53%

Refined Oil (Cotton Seed, Ground Nut & Sunflower Oil)

The edible oil market in India is projected to grow from around \$21.5 billion in 2019 to \$35.2 billion by 2025 due to increasing disposable income and rising consumer awareness about healthy lifestyle & wellness. Moreover, strong marketing activities by leading edible oil brands, changing tastes and preferences of consumers, expanding population, and shifting consumption pattern towards branded oils is leading to rising consumption of edible oils in the country. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE CAPACITY

Refined Sunflower Oil	: 15,783 Kgs/Day
Refined Groundnut Oil	: 15,783 Kgs/Day
Refined Cotton Seed Oil	: 15,783 Kgs/Day
Plant & Machinery	: ₹ 558 Lakhs
Cost of Project	: ₹ 1827 Lakhs
Rate of Return	: 29%
Break Even Point	: 53%

Copper Wire Manufacturing (Wire Drawing & Enamelling)

Wire and cables demand is directly dependent on the growth of the manufacturing industry and infrastructure in the power, telecommunications, residential and commercial sectors. Thus the government's initiatives on various fronts like – power, housing, infrastructure and digitization are sure to generate a lot of business for the wire and cable industry in foreseeable future. The global winding wire market size was valued at USD 25.6 billion in 2018 and is expected to witness a revenue-based CAGR of 3.7% from 2019 to

2025. Rising demand for the product from the energy sector is the significant factor driving the market for winding wire. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE CAPACITY

Copper Wire (0.914 to 0.376 mm)	: 350 Kgs / Day
Enamelled Copper Wire (0.914 to 0.376 mm)	: 350 Kgs / Day
Intermediate Copper Wire (2.5 mm)	: 4,000 Kgs / Day
Intermediate Copper Wire (1.2 mm)	: 5,000 Kgs / Day
Plant & Machinery	: ₹ 437 Lakhs
Cost of Project	: ₹ 951 Lakhs
Rate of Return	: 30%
Break Even Point	: 52%

Cashew Nut Shell Liquid

The cashew nut shell is having a soft feathery outer skin and a thin hard inner skin. Between these skins is the honeycomb structure containing the Phenolic material known as Cashew Nut Shell Liquid and is generally abbreviated as CNSL. The cashew nut consists of kernel, shell and test a land on an average distribution is 20 to 25% kernel, 60-70% cashew nut shell and 2-5% test. Global cashew nut shell liquid (CNSL) market is expected to reach USD 489.63 Million by 2026, at a CAGR of 7.81% from 2019 to 2026. Growing demand from the end user industries such as coating, automotive, leather is driving the global cashew nut shell liquid (CNSL) market. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE CAPACITY

Cashew Nut Shell Liquid (CNSL)	: 4 MT / Day
Shell Cake (bye product)	: 14 MT / Day
Plant & Machinery	: ₹ 72 Lakhs
Cost of Project	: ₹ 283 Lakhs
Rate of Return	: 17%
Break Even Point	: 71%

Water Park

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

PROJECT COST ESTIMATE CAPACITY

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

Oleoresin of Spices Black Pepper, Paprika and Cardamom

Oleoresin is a homogeneous mixture comprising of resin and oils that are volatile in nature. Spice oleoresins represent the complete flavour profile of the spice. It contains the volatile as well as non-volatile constituents of spices. Spice oleoresins guarantee superior quality of flavour and aroma. They have several applications like in the preparation of beverages, soup powders, confectionary, curries, noodles, sauces, canned meat etc.

The Indian spice oleoresin market is about Rs.600 crores. India accounts for 70% of the world oleoresin production with competition from China, US, Lanka, South Africa and Latin America. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE CAPACITY

Black Pepper Oleoresin	: 14 Kgs/Day
Black Pepper Spent	: 545 Kgs/Day
Cardamom Oleoresin	: 10 Kgs/Day
Cardamom Spent	: 120 Kgs/Day
Paprika Oleoresin	: 1.2 Kgs/Day
Paprika Spent	: 15 Nos./Day
Plant & Machinery	: ₹ 234 Lakhs
Cost of Project	: ₹ 424 Lakhs
Rate of Return	: 27%
Break Even Point	: 53%

Sesame Seed Hulling Plant

Sesame seed is rich in fat, protein, carbohydrates, fiber and some minerals. The aroma and taste of the seed are mild and delicious. It has a nut-like slightly sweet flavor. It is used mainly as a food ingredient in whole, broken, crushed, shelled, powdered and paste forms. Sesame seeds have a thin shell or husk which needs to be removed and this process is known as hulling.

The sesame seed market, in terms of value, is projected to reach around USD 113.28 Billion by 2022, at a CAGR of around 9.9% from 2017. As a whole there is a good scope for new entrepreneur to invest in this business.

PROJECT COST ESTIMATE CAPACITY

Hulled Sesame Seed	: 15 MT/Day
Plant & Machinery	: ₹ 257 Lakhs
Cost of Project	: ₹ 848 Lakhs
Rate of Return	: 28%
Break Even Point	: 50%

Dry Lemon Powder and Lemon Oil

Spray dried lemon juice powder was used to enhance the acceptability and nutritive value. It reserves the most of bioactive ingredients of lemon and also its property (color, smell, and taste) Ingredient: Vitamin c, citric acid, malic acid. Lemon Essential Oil is a natural detoxifier and contains antiseptic properties that aid in clearing the face from pimples and acne. By doing so, lemon also tightens the skin, preventing wrinkles, and removes excess Oils that clog pores and cause blackheads.

According to Lemons and Limes-Market Report, Analysis and Forecast to 2025", the world market of lemons and limes grew by 19% to \$ 13.9 billion. The lemon juice powder market, in terms of value, is projected to reach around USD 93.94 Billion by 2021, at a CAGR of 6.0% from 2016 to 2021. The global lemon essential oils market is projected to register an estimated CAGR of 9.2%, during

PROJECT COST ESTIMATE CAPACITY

Lemon Powder	: 32 MT/Day
Lemon Oil	: 12 MT/Day
Plant & Machinery	: ₹ 721 Lakhs
Cost of Project	: ₹ 1983 Lakhs
Rate of Return	: 33%
Break Even Point	: 51%

the forecast period, 2018-2023.

Thus, due to demand it is best to invest in this project.

Fiberglass Doors Surrounded Wood and Inside Filled Polyurethane Foam by Injection

Fiberglass doors are two large molded skins with a polyurethane foam core between the skins which is a great insulator against heat and cold. They are popular for their high insulation values, low maintenance, and resistance to dents and scratches. Fiberglass is widely used for manufacturing and building in today's most demanding industries-cars, boats, pools and more, due to its ability to create molds and create custom shapes and never become distorted over time.

Commercial doors market will witness a valuation of over USD 60 billion by 2024. The demand varies depending upon the client's requirement with varied functions. Increase in consumer spending on new construction as well as renovation of existing residential & commercial buildings will drive the global doors market growth. As a whole there is a good scope for new entrepreneur to invest in this business.

PROJECT COST ESTIMATE CAPACITY

Fiberglass Doors	: 150 Nos./Day
Plant & Machinery	: ₹ 89 Lakhs
Cost of Project	: ₹ 392 Lakhs
Rate of Return	: 29%
Break Even Point	: 61%

Cow Urine (Gomutra) Processing and Packing

Gomutra is not a toxic waste material. 95% of it is water, 2.5% consists of urea, and the remaining 2.5% is a mixture of minerals, salts, hormones and enzymes. Gomutra or gaumutra cow urine is urine from cows used for therapeutic purposes in traditional Indian medicine, Ayurveda and also for purification in Vaastu-Shastra. Cow urine has bio enhancing activity for Rifampicin, the front-line anti-tubercular drug used against tuberculosis, increasing its action up to sevenfold against Escherichia coli, and up to 11-fold against Gram-positive bacteria.

There are more than 50 units processing cow urine in India. That cow urine is in demand not just in India, but around the world, became evident recently when health authorities in London raised objections to shopkeepers placing cow urine concentrate on shelves next to food items. As a whole any entrepreneur can venture in this project without risk and earn profit.

PROJECT COST ESTIMATE CAPACITY

Distilled Cow Urine (Gomutra)	: 2000 Lts./Day
Plant & Machinery	: ₹ 22 Lakhs
Cost of Project	: ₹ 187 Lakhs
Rate of Return	: 28%
Break Even Point	: 68%

Biomass Briquettes from Bio Waste

Among the non-conventional forms of energy, Bio-Energy offers vast potential under Indian conditions, due to the wide spectrum of BIOMASS available in different agro-climatic regions of the country.

Worldwide, the energy stored in biomass through photosynthesis is approximately 3x10¹²J (90% in trees) every

year, which is nearly 10 times the world's annual energy use. Even through the total renewable biomass resource for energy far exceeds the world's total energy requirement, its volume exploitation remains limited because of the present low cost of fossil fuels, the heterogeneous nature of biomass, and the area over which the biomass must be collected for large-scale applications.

Biomass feed, especially agro-residues, is available in different forms, such as husks, straw, and stalks of various and numerous crops. Due to this heterogeneous nature, the utility of these materials for energy becomes limited, and energy conversion processes tend to become biomass specific. Biomass briquettes are a proven way of generating energy from bio-waste. Different types of waste have been utilized in order to develop biomass briquettes. Biomass briquettes derived from Mustard, Cotton, Guar, Saw Dust and Peanut shell Agro waste could result in feasible on-site fuel production.

Biomass briquettes can typically provide between 3-15 per cent of the input energy into the power plant. The objective behind the move, is to reduce air pollution caused due to burning of surplus biomass residue in fields by creating an alternate market for its large-scale utilisation in power plants as well as reduce carbon emission from coal-fired power plants.

The global Biomass Briquette market is valued at 320 million US\$ in 2017 and will reach 570 million US\$ by the end of 2025, growing at a CAGR of 7.3% during 2018-2025. The global biomass briquettes market is segmented into North America, Latin America, Western Europe, Eastern Europe, the Middle East and Africa, and Asia Pacific. Of these regions, Europe and North America are expected to be key regions for the growth of this market over the forecast tenure. The utilization of the biomass briquettes production technologies is high to convert their biomass into useful energy sources.

Cenosphere

The word Cenosphere is derived from two Greek words Kens (hollow) and Sphaira (sphere). Cenospheres are light weight, inert hollow sphere comprising largely of silica & alumina and filled with air or inert gas. Cenospheres are a naturally occurring by product of the burning process of pulverized coal-fired boilers. They are formed during the molten state of ash and attain spherical shape to have minimum surface tension. Cenospheres are formed from coal combustion ash when it is in a molten state. Flowing with the combustion gas stream, the temperature of the molten particles is rapidly quenched, thereby 'freezing in' a spherical shape. Any gas bubbles within the molten particles are also trapped inside the spheres.

Cenospheres Market by Type (Gray Cenosphere, White Cenosphere), End-use Industry (Refractory, Construction, Oil & Gas, Automotive, Paints &

Coatings), and market was valued at USD 346.8 Million in 2016 and is projected to reach USD 689.2 Million by 2022, at a CAGR of 12.16% from 2017 to 2022. Cenospheres are inert, light weight and hollow spheres particularly made of alumina or silica and filled with inert gases or air. They are

typically manufactured as a by-product of coal combustion in the thermal power plants. The appearance of cenospheres varies from almost white to grey and its density is approximately 0.4-0.8 g/cm³ hence, they have the property of incredible buoyancy.

Natural Rubber Block

Natural rubber, also called by other names of India rubber, latex, Amazonian rubber, gaucho or caoutchouc, as initially produced, consists of polymers of the organic compound isoprene, with minor impurities of other organic compounds, plus water. Thailand and Indonesia are two of the leading rubber producers. Natural rubber is used extensively in many applications and products, either alone or in combination with other materials. In most of its useful forms, it has a large stretch ratio and high resilience, and is extremely waterproof. Latex is the polymer cis-1,4-polyisoprene – with a molecular weight of 100,000 to 1,000,000 daltons.

Natural rubber is an elastomeric and a thermoplastic. Once the rubber is vulcanized, it is a thermoset. Most rubber in everyday use is vulcanized to a point where it shares properties of both; i.e., if it is heated and cooled, it is degraded but not destroyed.

India's natural rubber imports in 2018/19 surged to a record high as production dropped amid a rise in consumption, the state-run Rubber Board said on May 3. The country's production fell 7.5 percent from a year ago to 642,000 tonnes, while consumption jumped 9 percent to a record 1.21 million tonnes, the board said.

The world production of rubber was considered to be very unstable during the last few years. Comparatively, India's production of rubber is consistent at the rate of 6% per annum. The Rubber industry in India is growing with its roots deeper. India is the 3rd largest consumer, while the largest producer of natural rubber in the world. The Rubber Board has received approval to encourage block rubber production, which is expected to mark a new channel for rubber processing in the domestic sector.

Steel Shots & Grits

Steel shots and steel grits are used in both static & site blasting equipment, materials and abrasives used for surface preparation can be hazardous if used carelessly. Many natural regulations exist for those materials and abrasive that are considered to be hazardous during or after use (waste management), such as free silica or carcinogenic or toxic substances.

Steel Grits is fabricated by crushing hardened shot, screening the resulting media and tempering it to a desired hardness. It is used in coating and rust removal where speed of cleaning is serious & rough finish is acceptable. Steel grit's superior hardness and precise microstructure provides maximum durability and impact energy transfer. Highly demanding, aggressive applications are ideal for steel grit.

Steel abrasives are particles of steel with high carbon content that are utilized as abrasive and peening media. Steel abrasives are available in two types based on their shape; shots and grits. Steel shots are spherical grains of

PROJECT COST ESTIMATE CAPACITY

Capacity	: 20 MT Per Day
Plant & Machinery	: ₹ 52 Lakhs
Cost of Project	: ₹ 94 Lakhs
Rate of Return	: 20%
Break Even Point	: 73%

PROJECT COST ESTIMATE CAPACITY

Capacity	: 24 MT Per Day
Plant & Machinery	: ₹ 402 Lakhs
Cost of Project	: ₹ 1211 Lakhs
Rate of Return	: 29%
Break Even Point	: 50%

PROJECT COST ESTIMATE CAPACITY

Capacity	: 10,000 MT Per Annum
Plant & Machinery	: ₹ 60 Lakhs
Cost of Project	: ₹ 434 Lakhs
Rate of Return	: 27%
Break Even Point	: 60%

PROJECT COST ESTIMATE CAPACITY

Capacity	: 100 MT Per Day
Plant & Machinery	: ₹ 1643 Lakhs
Cost of Project	: ₹ 3780 Lakhs
Rate of Return	: 29%
Break Even Point	: 67%

molten steel produced through a granulation (atomization) process in requisite sizes or hardness. The steel abrasives market is expected to grow at a good rate in the coming years. Rapid industrialization and expansion of automotive production are the key trends stoking market growth. To decrease environmental issues, leading manufacturers in the automobile sector are manufacturing low-weight products, which emit low carbon dioxide, which are economical and yet provide superior performance.

The Indian Steel Abrasives industry is catered to by a few large players and numerous smaller players that specialise in select products where imports from China cater to the lower end of the market. Due to the soft market conditions in many advanced economies, India is becoming a focus market for major global players resulting in intense competition.

Extraction of Essential Oil from Black Pepper

An essential oil is a concentrated hydrophobic liquid containing volatile aroma compounds from the plant. They are also known as aromatic oils, fragrant oils, steam volatile oils, ethereal oils, or simply as the "oil of" the plant material from which they were extracted, such as oil of black pepper. Essential oil is used in perfumery, aromatherapy, cosmetics, incense, medicine, household cleaning products and for flavoring food and drink. They are valuable commodities in the fragrance and food industries. Essential oils are usually colorless, particularly when fresh. Nevertheless, with age essential oil may oxidize which resulting the color becomes darker. Therefore, essential oil needs to be stored in a cool, dry place tightly stoppered and preferably full in amber glass containers.

The Indian spices market is pegged at Rs. 40,000 crore annually, of which the branded segment makes up 15 per cent. The population in India is surging and the increasing consumer expenditure on food explains the swelling demand for food in India. Accordingly, the demand for spices is expected to grow in the future which will lead to a prominent growth in the revenues from the sales of spices in India. The revenues from India market are expected to expand to around USD 18 billion in FY'2020, growing with a CAGR from FY'2016 to FY'2020.

The global black pepper market is expected to grow at a CAGR of around 5% during 2019-2024. Black pepper, also known as ground black peppercorn, is a highly consumed commodity that is used as an ingredient in the culinary world. It is a pungent, hot-tasting powder spice that is produced from unripe drupes of the pepper plant.

Mink Blanket

Mink blankets (also called Raschel blankets) were mainly made from acrylic fibers. The blanket is made from a synthetic acrylic blend. The typical make-up of a mink blanket is 85% acrylic and 15% polyester. The acrylic supplies the "softness" while the polyester keeps the mink blanket or throw blanket from wrinkling. It is woven to feel like mink. A blanket is a type of bedding. It is, generally speaking, a large piece of woven cloth, intended to keep the user warm, especially while sleeping or lying down. Mink blankets are the most luxurious and elegant bed products which can be used to elevate the interiors of home. Appreciated for their

colorfastness, durability and fine textures these blankets are much loved by the people for their elegant designs. Their maintenance is very easy even simple cleaning will work well for these blankets. Soft enough in texture they provide relaxing and sound sleep by protecting the bodies from weather conditions.

The global blanket market size was valued at USD 17.0 billion in 2018. Growing application of blankets in the commercial sectors including travel and hospitality, military and defense, and charity is expected to have a positive impact on the market growth. Furthermore, the market has seen a boom as a result of innovation and ease of product availability in affordable price ranges. The demand for blankets is met through import and local production. Blanket is manufactured in standard sizes. The standards are based on the surface area of the blankets and the specific weight of the blankets. Accordingly, blankets could be light or medium in weight.

PROJECT COST ESTIMATE

CAPACITY

Double Bed Blankets (3.80 Kgs Size)	: 2236 Nos. Per Day
Single Bed Blankets (2.50 Kgs Size)	: 2800 Nos. Per Day
Baby Blankets (0.60 Kgs Size)	: 7500 Nos. Per Day
Plant & Machinery	: ₹ 2660 Lakhs
Cost of Project	: ₹ 6252 Lakhs
Rate of Return	: 26%
Break Even Point	: 40%

PROJECT COST ESTIMATE

CAPACITY

Essential Oil from Black Pepper	: 100 Kgs Per Day
Black Pepper Spent	: 3892.8 Kgs Per Day
Plant & Machinery	: ₹ 274 Lakhs
Cost of Project	: ₹ 513 Lakhs
Rate of Return	: 27%
Break Even Point	: 54%

Dry Fruits Processing (for Snack, Almond, Pistachio and Cashew Nut)

Dried fruits are one of the most popular products made by small-scale processors. Drying removes the water from fruits so that the growth of micro-organisms is inhibited. It also reduces the weight and bulk of foods which cuts down on transport and storage costs. Walnuts, Cashew nuts, Almonds, pine nuts, Pistachio provided a high calorie intake. Nuts are used by mankind for food, edible oils, spices, condiments or beverages. Nuts are a rich source of protein, dietary fibre, vitamins and minerals. This makes them a popular snack which is both tasty and nutritious.

PROJECT COST ESTIMATE

CAPACITY

Almond Dry Fruits	: 2.5 MT/Day
Pista Dry Fruits	: 2.5 MT/Day
Cashew Nut Dry Fruits	: 2.5 MT/Day
Plant & Machinery	: ₹ 130 Lakhs
Cost of Project	: ₹ 822 Lakhs
Rate of Return	: 31%
Break Even Point	: 56%

The nut and dried fruit industry in India is currently pegged at INR 15,000 crores (~ USD 2 billion) and is estimated to grow to INR 30,000 crores (~ USD 4 billion) by 2020, according to the Chairman of Royal Dried Fruits Range, a city-based dried fruits retailer. The global nuts and seeds market to grow at a CAGR of 4.5% during the period 2016-2020. This facilitates the development of new technologies and ensures a high quality product.

Turmeric, Dhania and Chilli Powder

Spices impart aroma, color and taste to food preparations. The volatile oils from spices give the aroma and the oleoresins impart the taste. Spices are non-leafy parts (e.g. bud, fruit, seed, bark, rhizome,

and bulb) of plants used as a flavoring or seasoning, although many can also be used as an herbal medicine.

The Indian spices market is projected to reach approximately USD 18 billion by 2020 with growth in the sector is expected to be led by branded spices and spice mixes. The Indian government is aggressively promoting spice exports through various initiatives such as setting up of spice parks. Spice Parks offer common processing facilities to both producers and exporters. As a whole there is a good scope for new entrepreneur to invest in this business.

Energy Bar

Energy bars may contain high levels of sugar and sometimes are called "candy bars". Energy bars, which contain some form of milk-derived or plant-based protein like whey, hemp, pea or rice protein. Energy bars are the fuel you need for your busy life. These bars feature 2:1 carbs to protein ratio for energy and recovery from your active lifestyle.

They provide carbs and protein.

The India Energy bar market is expected to reach USD 99.23 million by 2023 witnessing a double digit CAGR during the forecast period 2018-2023.

The India Energy bar sale has recorded a historic CAGR of 14.1 during the past five year. Energy bar holds the largest share of 60% in Indian snack bar market, which is growing at a faster rate. Thus, due to demand it is best to invest in this project.

Wood Pellets from Saw Dust

In general, any biomass is suitable as raw material for pelletizing. Currently woody biomass is the predominant raw material for fuel pellet production. The main constituents of wood are the elements carbon (C), hydrogen (H) and oxygen (O). Other important elements are nitrogen (N), sulfur (S), magnesium (Mg), chlorine (Cl) and potassium (K) which are present in varying amounts. The density of logged wood is between 400-750 kg/m³. The ash content is around 1% or less but is strongly dependent on bark and needle portion as well as the level of secondary contamination like adhering soil. Pelletizing of hardwood is more difficult and requires the adaption of the pelletizing process.

Thus, softwood is most commonly used with spruce, fir and pine being the most common woody raw materials. Wood has been used for heating and fuel purposes for thousands of years. The wood industry has found itself on the verge of a revolution, however, because of the rapid increase in development and utilization of new wood-based solid and liquid fuels. Wood pellets represent an alternative to the use of coal, gas and even traditional wood logs and chips. Pellets in the U.S. are sold in bags by retailers, adding about \$20 per ton in packing, Pellets and wrapping material. With an average price of \$276

PROJECT COST ESTIMATE CAPACITY

Turmeric Powder	: 200 Kgs./Day
Dhania Powder	: 200 Kgs./Day
Chilli Powder	: 200 Kgs./Day
Plant & Machinery	: ₹ 16 Lakhs
Cost of Project	: ₹ 78 Lakhs
Rate of Return	: 26%
Break Even Point	: 65%

per ton as of November, pellets can be found for as low as \$176 per ton, or as high as \$600 per ton in the Northern U.S. approximately 35 new facilities, in addition to the previously existent 15 plants, have started operations. With an average capacity of 66,000 tons per year, and several new facilities planned for 2018 and 2019. As a whole there is a good scope for new entrepreneur to invest in this business.

Cotton Ball (Hospital and Cosmetic Use)

A cotton ball is a ball of soft fiber that is primarily used for medical or cosmetic purposes, but can be used for other purposes such as arts and crafts or cleaning. They originate from the cotton plant, which is a shrub that is found in sub-tropical and tropical regions throughout the world. Cotton grows in bolls which are located around the seeds of the plants. Although the cotton can be used in its natural form, the fibers can be spun into other products such as bed sheets and clothing or refined and sterilized for everyday and medical uses.

Cotton balls have many uses in the home and in the world of beauty. Cotton is soft and can be used for delicate applications and for making your home smell fresh and clean.

One bag of cotton balls in the home could be used for many different purposes, but here are a few of the most popular uses of cotton balls. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE CAPACITY

Cotton Ball	: 1,200 Pkts/Day
Plant & Machinery	: ₹ 43 Lakhs
Cost of Project	: ₹ 86 Lakhs
Rate of Return	: 29%
Break Even Point	: 72%

Seamless Pipes and Tubes

The greatest advantage of seamless steel pipes is their increased ability to withstand pressure. The weakest point in a welded steel pipe is the welded seam. But because a seamless steel pipe has not been welded, it doesn't have that seam, making it equally strong around the entire circumference of the pipe.

Stainless steel pipes are used in petrochemicals, fertilizers, dairy industries power stations and nuclear plants. Other corrosion resistant applications as of food processing industry are also significant users. These pipes are used extensively by Nuclear Fuel Corporation. As a whole it is a good project for entrepreneurs to invest.

PROJECT COST ESTIMATE CAPACITY

Seamless M.S. Pipe	: 50 MT/Day
Plant & Machinery	: ₹ 636 Lakhs
Cost of Project	: ₹ 2695 Lakhs
Rate of Return	: 27.98%
Break Even Point	: 39.79%

PROJECT COST ESTIMATE CAPACITY

Wood Pellets	: 16.0 MT/Day
Plant & Machinery	: ₹ 80 Lakhs
Cost of Project	: ₹ 350 Lakhs
Rate of Return	: 26%
Break Even Point	: 51%

Organic Dragon Fruit Farming

Dragon Fruit stems are scandent (climbing habit), creeping, sprawling or clambering, and branch profusely. There can be 4-7 of them, between 5 and 10 m or longer, with joints from 30-120 cm or longer, and 10-12 cm thick; with generally three ribs; margins are corneous (horn-like) with age, and undulate. The fruit is oblong to oval, to 6-12 cm long, 4-9 cm thick, red with large bracteoles, with white pulp and are edible; seeds are black. Dragon Fruit or Pitaya grows best in uniformly distributed rainfall throughout the year. It prefers free draining soil with sandy to clay loam types, 5.3 to 6.7 pH and high organic matter. However, Pitaya is also grown successfully in sandy soils. Pitaya is shallow rooted with most roots concentrated on top 15-30 cm soil depth.

India gets a taste of exotic dragon fruit. This fruit of

a vine-like cactus has white flesh peppered with tiny edible black seeds. Its popularity is growing beyond metros to other cities, particularly in south India. The fruit was selling for about US\$10 per kg, according to, director of the Ministry of Agriculture and Rural Development. Vietnamese dragon fruit is selling well in Chinese and Vietnamese in the US, said Mr Dat, who has been on a fact-finding trip in the country. As a whole there is a good scope for new entrepreneur to invest in this business.

Pectin from Citrus, Lemon and Oranges

Pectin is a naturally occurring substance (a polysaccharide) found in all plant tissue, calcium pectin being present between the cell walls and serving as a strengthening or building agent. Fruits naturally possessing relatively large amount of pectin include lemons, bitter oranges, apples, quinces, currants and plums. The main use for pectin (vegetable agglutinate) is as a gelling agent, thickening agent and stabilizer in food. The classical application is giving the jelly-like consistency to jams or marmalades, which would otherwise be sweet juices.

PROJECT COST ESTIMATE CAPACITY

Pectin	: 150,000Kgs/Annum
Plant & Machinery	: ₹ 1289 Lakhs
Cost of Project	: ₹ 1660 Lakhs
Rate of Return	: 23%
Break Even Point	: 44%

Market for pectin has been witnessing significant growth on account of rising demand for food products from developed as well as developing economies. The industry has been mature in developed regions such Europe, followed by North Amer-

ica. However, the industry for pectin is anticipated to grow rapidly in emerging economies such as China and India owing to change in lifestyle of the individuals as well as changing consumer preferences for convenience foods. Moreover, economic development in China has resulted in increasing purchase power of consumers, leading to increasing demand for high-quality processed foods.

Although the industry for pectin is rapidly growing driven by rising demand for processed and convenience foods, growing preference towards functional foods from various health conscious consumers have also played a key role in the growth of the market. As a whole it is a good project for new entrepreneurs to invest.

Coal Washery Unit

Coal Washing Unit is one of the most important units for up-gradation of Coal in sense of fed value by reducing of ash content in the Coal. It is basically associated with sieve of position to get the quality Coal. Qualities of coal depend upon its ash content. Coal washing is a process of separation mainly based on differences in specific gravity of coal and associated impurities like sand, ash etc. The course will deal theoretical and practical

PROJECT COST ESTIMATE CAPACITY

Coal Washing (Job Work)	: 3000MT/Day
Plant & Machinery	: ₹ 668 Lakhs
Cost of Project	: ₹ 1735 Lakhs
Rate of Return	: 12%
Break Even Point	: 68%

aspects of coal washing processes and equipment.

Coal demand in 2020 is unlikely to be anywhere near 1,500 MT for domestic coal. The Government of India plans to achieve a domestic coal production target of 1.5 billion tonnes by 2020—an ambitious growth from 2015's production of 612.4 million tonnes. At present 8% of coal production is through underground mining technology. If CIL has to produce even 900 MT by 2020. Thus, due to demand it is best to invest in this project.

Arabic Gum

Gum arabic is a complex mixture of macromolecules of different size and composition (mainly carbohydrates and proteins). Gum Arabic, also known as Gum Acacia, is a natural gum harvested from the exterior of Acacia trees in the form of dry, hard nodules up to 50 mm in diameter, and ranging from almost colourless to brown. Its unique properties endow it with a wide range of uses in food, beverage, pharmaceutical and industrial applications.

The growth of the global market is driven by the rising income levels, multiple functionalities of gum arabic in the food & beverages industry, and the rising awareness regarding the medicinal benefits of gum arabic. Global Industry Analysis and Forecast, 2017-2025," indicate that the market, which is presently worth nearly US\$ 300 Mn, will expand steadily at 5.4% CAGR. Which facilitates the development of new technologies and ensure a high quality product.

PROJECT COST ESTIMATE CAPACITY

Arabic Gum	: 16 MT/Day
Plant & Machinery	: ₹ 81 Lakhs
Cost of Project	: ₹ 361 Lakhs
Rate of Return	: 28%
Break Even Point	: 57%

Xanthan Gum

Xanthan gum is a polysaccharide with many industrial uses, including as a common food additive. It is an effective thickening agent and stabilizer to prevent ingredients from separating. It is used to make medicine. Xanthan gum is used for lowering blood sugar and total cholesterol in people with diabetes. It is also used as a laxative. Xanthan gum is used as a thickening and stabilizing agent in foods, toothpastes, and medicines.

Xanthan gum is also employed in oil-in-water emulsions to help stabilize oil droplets against coalescence. As a result, the demand in this application segment is expected to grow at a CAGR of 5.1% from 2014 to 2020. The demand in food & beverage was valued at USD 310.3 in 2013 and is expected to grow at a CAGR of 6.0% from 2014 to 2020. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE CAPACITY

Xanthan Gum Food Grade	: 720 Kgs./Day
Xanthan Gum Oil Grade	: 340 Kgs./Day
Plant & Machinery	: ₹ 120 Lakhs
Cost of Project	: ₹ 313 Lakhs
Rate of Return	: 25%
Break Even Point	: 53%

Linear Alkyl Benzene Sulphonic Acid (LABSA)

Linear Alkyl Benzene Sulphonic Acid is a largest volume synthetic surfactant because of its relatively low cost, good performance, the fact that it can be dried to a stable powder and the biodegradable environmental friendliness. LAB Sulphonic Acid is an anionic surfactant widely used in formulation of all

ranges of Domestic Detergents Powder, Cake & Dish wash cleaners. Due to its high active matter, miscibility with water and low salt content, it is also used in formulation of Industrial & Household liquid cleaners as well as in numerous industrial applications like as a coupling agent and as an emulsifier for agricultural herbicides and in emulsion polymerization.

Linear AlkylbenzeneSulfonate (LAS) Market size is poised to exceed USD 9 billion by 2024. Increasing product demand in manufacturing household detergents will be the major factor propelling the global linear alkylbenzenesulfonate market size over the estimated timeframe. The overall household detergents business is likely to exhibit gains more than 6% CAGR from 2016 to2024 on account of increasing consumer lifestyles and awareness towards cleanliness. This facilitates the development of new technologies and ensures a high quality product.

Hybrid Electric Scooter Assembling

A plug-in hybrid electric vehicle (PHEV) is an HEV that can be plugged-in or recharged from wall electricity. PHEVs are distinguished by much larger battery packs when compared to other HEVs. The size of the battery defines the vehicle's All Electric Range (AER), which is generally in the range of 30 to 50 miles. PHEVs can be of any hybrid configuration. PHEVs start in 'all electric' mode, runs on electricity and when the batteries are low in charge.

India electric scooters and motorcycles market size valued at \$24.6 million in 2016, it is expected to grow at a CAGR of 45.4% during 2017-2025. Some 4,50,000 electric two-wheelers were sold in India in the past eight years. The potential of electric vehicles in this segment is massive,

PROJECT COST ESTIMATE CAPACITY	
Hybrid Electric Scooter	: 50 Nos./Day
Plant & Machinery	: ₹ 95 Lakhs
Cost of Project	: ₹ 279 Lakhs
Rate of Return	: 34%
Break Even Point	: 74%

say industry executives, given that more than 17 million two-wheelers are sold annually in the country. This facilitates the development of new technologies and ensures a high quality product.

Lead Production (Litharge, Refined Lead, Red Lead & Grey Lead)

Lead is a relatively soft metal with bluish-white lusture but on exposure to air, it becomes covered by a dull, gray layer of basic carbonate that adheres closely and protects it from further oxidation or corrosion. It is an important component of batteries, and about 75% of the world's lead production is consumed by the battery industry. Lead is also commonly used in glass and enamel.

India Lead Acid Battery Market is projected to grow at a CAGR of over 9% during 2018-24. India lead

PROJECT COST ESTIMATE CAPACITY

Litharge	: 960 MT/Annum
Refined Lead	: 1800 MT/Annum
Red Lead	: 440 MT/Annum
Grey Lead	: 525 MT/Annum
Plant & Machinery	: ₹ 82 Lakhs
Cost of Project	: ₹ 361 Lakhs
Rate of Return	: 31%
Break Even Point	: 54%

acid battery market is projected to reach \$ 7.6 billion by 2023. Anticipated growth in the market can be attributed to booming demand for automobiles, in addition to increasing focus of the government towards boosting the penetration of electric vehicles in the country. Entrepreneurs who invest in this project will be successful.

Wire Drawing with Galvanizing Plant

Wire drawing is an important industrial process, providing commercial products. Drawing of wire from metal rod is a metal working process that reduces the cross-section and elongates it to wire. Galvanized M.S. Wire has versatile use in producing different Engineering items such as Building Hardwares, barbed wires, Screens rivets etc. Galvanized M.S. Wire offers better surface protection at lower cost in humid atmosphere.

The steel production capacity in India is expected to touch 124 million tonnes and 275 million tonnes by 2020. The construction sector as a vital part of the infrastructure development, consumes nearly 60% of steel, with automobiles sector being the other major demand segment with a 15% share in the overall steel demand. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE CAPACITY

Galvanized MS Wire	: 12 MT/Day
Plant & Machinery	: ₹ 171 Lakhs
Cost of Project	: ₹ 532 Lakhs
Rate of Return	: 29%
Break Even Point	: 62%

Paint Industry

Paint is any liquid, liquefiable, or mastic composition that, after application to a substrate in a thin layer, converts to a solid film. It is most commonly used to protect, color, or provide texture to objects. Paint can be made or purchased in many colors—and in many different types, such as watercolor, synthetic, etc. Paint is typically stored, sold, and applied as a liquid, but dries into a solid.

Paint was made with the yolk of eggs and therefore, the substance would harden and adhere to the surface it was applied to. Pigment was made from plants, sand, and different soils. Most paints used either oil or water as a base (the dilutant, solvent or vehicle for the pigment). A still extant example of 17th-century house oil painting is Ham House in Surrey, England, where a primer was used along with several undercoats and an elaborate decorative overcoat; the pigment and oil mixture would have been ground into a paste with a mortar and pestle.

The paints industry in India has

been growing at the rate of around 12% a year. The paints market has crossed the Rs. 135bn mark. By volume, the market is estimated at 1.4mn tonne which is growing at an average annual growth of over 6 to 8% (12% by value). The unorganized sector, shrunk in the recent years, still commands a share of 46% (by volume) and 35% (by value). The paints are segmented principally into industrial and decorative paints. These are further sub-classified as dry, water-based, oil-based and plastic emulsions. The decorative segment accounts for nearly two-thirds of the paints market. This is generally the case in developing countries.

PROJECT COST ESTIMATE CAPACITY

Decorative Paint	: 3000 Kgs Per Day
Acrylic Emulsion Paint	: 2000 Kgs Per Day
Plant & Machinery	: ₹ 117 Lakhs
Cost of Project	: ₹ 371 Lakhs
Rate of Return	: 29%
Break Even Point	: 55%

MARKET SURVEY

Cum

Detailed Techno Economic
Feasibility Reports



npcs

AN ISO 9001 : 2015 CERTIFIED COMPANY

EACH DETAILED PROJECT REPORT CONTAINS

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

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

PLANT & MACHINERY : List of Plant & Machineries, Miscellaneous Items and Accessories, Instruments, Laboratory Equipment's and Accessories, Plant Location, Electrification, Electric Load and Water, Maintenance, Suppliers/Manufacturers of Plant and Machineries.

RAW MATERIAL : List of Raw Materials, Properties of Raw Materials, Availability of Raw Materials, Required Quality of Raw Materials, Cost/Rates of Raw Materials.

MANUFACTURING TECHNIQUES : Formulae Detailed Process of Manufacture, Flow Sheet Diagram.

PERSONNEL REQUIREMENTS : Requirement of Staff & Labour, Personnel Management, Skilled & Unskilled Labour.

LAND & BUILDING : Requirement of Land Area, Rates of the Land, Built up Area, Construction Schedule, Plant Layout.

FINANCIAL ASPECTS : Cost of Raw Materials, Cost of Land & Building, Cost of Plant & Machineries, Fixed Capital Investment, Working Capital, Project Cost, Capital Formation, Cost of Production, Profitability Analysis, Break Even Point, Cash Flow Statement for 5 to 10 Years, Depreciation Chart, Conclusion, Projected Balance Sheet, Land Man Ratio

- Prepared by highly qualified and experienced consultants and Market Research and Analyst Supported by a panel of experts and computerised data bank.
- Data provided are reliable and upto date collected from suppliers/manufacturers, plant already commissioned in India.
- NPCS Reports are very economical and immediately available on demand where as commissioned Feasibility Studies are time consuming and costly.

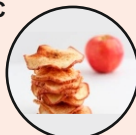
**FOR ASSESSING MARKET POTENTIAL,
INVESTMENT DECISION
MAKING CORPORATE
DIVERSIFICATION PLANNING ETC.**

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



**FOOD PROCESSING AND AGRICULTURE
BASED PROJECTS, SNACK FOOD, FROZEN
FOOD, AGRO PROCESSING TECHNOLOGY,
PROCESSED FOOD, INSTANT FOOD, FOOD
INDUSTRY, FOOD PRESERVATION, CANNED
FOOD, PACKED FOOD, READY TO EAT
FOOD, CEREAL FOOD, PICKLE, SPICES,
GRAIN MILLING**

- Activated Carbon from Bamboo
- Activated Carbon from Coconut Shell
- Agar Agar (Bacteriological Grade)
- Alcohol from Grains
- Alcohol from Potato
- Alcohol from Tapioca Starch
- Aloe Vera Gel & Powder
- Amla (Gooseberry) Fruit or Indian Gooseberry Plantation
- Amla (Gooseberry) Powder
- Anhydrous, Gluten and Maltodextrin
- Anhydrous, Sorbitol and Vitamin C
- Animal Feed from Bagasse
- Apple Chips
- Arabic Gum
- Arcanut (Betelnut)



- Asafoetida (Hing)
- Asparagus Cultivation & Processing
- Atta Chakki
- Atta, Maida Suji & Wheat Bran (Wheat Flour Plant) Roller Flour Mill
- Automatic Bread and Biscuits Plant
- Automatic Chapati Making Plant
- Automatic Modern Chilli Powder Plant
- Automatic Packaged Drinking Water
- Automatic Papad Plant
- Baby Cereal Food
- Baby Food Products (Infant Cereals, Porridge Mixes, Fruits Purees, Savoury Meals, Infant Milk, Baby
- Baker's Yeast
- Bakery Industry



Market Survey Cum Detailed Techno Economic Feasibility Report on All Above Projects are Available. Contact :

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SELECTED PROJECTS FOR RIGHT INVESTMENT

- Bakery Products
- Bakery Unit (Rusk & Cookies)
- Baking Powder
- Banana & Its By-products
- Banana Chips
- Banana Plantation
- Banana Powder
- Banana Products (Banana Powder, Banana Puree and Banana Concentrate)
- Banana Wafers
- Banana Wafers (Deep Fried Snack Food)
- Banana, Onion, Orange and Tomato Powder
- Barley Malt
- Basmati Rice Mill
- Beer & Whisky
- Beer Plant
- Beer, Whisky & Rum
- Beer, Wine & Whiskey (From Pineapple)
- Besan Plant (Gram flour)
- Betel Nut (Supari) Processing
- Biscuit Making Plant
- Biscuits
- Biscuits & Candy
- Biscuits & Cookies
- Bitter Gourd (Karela) Powder
- Black Pepper Oil
- Blended Alcohol with Bottling Line (Molasses Based)
- B-Naphthol Methyl Ethyl (Yara-Yara)
- Bottling of Country Liquor (Automatic Plant)
- Bread Plant
- Bread Plant (Semi-Automatic)
- Breakfast Cereal Corn Flakes
- Broken Rice
- Butter
- Button Mushroom Cultivation
- Cake & Filled Croissants Puffs
- Cake Gel (Cake Improver)
- Camphor (Powder & Tablets)
- Canned Carrot Juice & Bottle Gourd/Long Melon (Lauki Ka Juice)
- Canned Foods Chopped Tomatoes, Cheeked Beans and Mushrooms
- Canning of Fruits (Pine Apples slices, Litchee, Cherries, Straw berries in syrup)
- Caramel Color
- Caramel Color from Sugar
- Caramel Food Colorant (Caramel Color)
- Cardamom Cultivation
- Casein from Milk
- Cashew Cultivation
- Cashew Fruit Juice from Cashew Apple
- Cashew Nut
- Cashew Nut Processing (Dried & Fried)
- Cashew Nut Processing with CNSL
- Cashew Nut Shell Liquid (Using Waste Shell)
- Cashew Nut Shell Liquid and Kernel
- Cashew Nut Shell Oil
- Cashew Shell Liquid & Kernel



- Cassava Starch
- Cassava Starch (Tapioca Starch)
- Cattle & Poultry Feed
- Cattle Breeding & Dairy Farming to Produce Milk
- Cattle Farming (500 Cows)
- Cattle Feed
- Cattle Feed from Molasses & Bagasse
- Cheese Analogues
- Chewing Gum & Bubble Gum
- Chicken/Mutton (Sheep Meat) Processing
- Chili Oil
- Chili Sauce
- Chilli Oil from Red Chilli
- Chilli Oleoresin
- Chocolate
- Chocolate & Confectionery
- Chocolate Drink (Liquid form)
- Chocolate, Toffee and Candy
- Cocoa Beverages in Granule Form (Health Drinks)
- Cocoa Butter and Cocoa Powder
- Coconut
- Coconut and Cashew Feni
- Coconut Oil from Copra
- Coconut Squash Jam & Cream
- Coconut Water
- Coffee Plantation
- Coir Pith Products (Briquettes, Artificial Door & Manure)
- Corn Flakes
- Corn Oil (Maize Oil)
- Corn Processing Plant (for Glucose Syrup & Fructose)
- Cotton Cultivation & Cotton Yarn
- Cotton Seed Delinting, Crushing and Refining of Oil
- Cottonseed Oil Extraction and Refining
- Cow and Buffalo Milk
- Craft Brewery or Distillery (Startup)
- Cream, Ghee & Other Products
- Crosslinked Sodium Carboxymethyl Cellulose
- Cultivation and Super Critical Oil Extraction (Chilli, Ginger and Large Cardamom) Curcumin
- Curcumin from Turmeric
- Curry Powder
- Custard Powder
- Cut Rose Flower (Floriculture)
- Dairy Farm for Milk Production
- Dairy Farming
- Dairy Farming & Dairy Products
- Dairy farming and dairy products (Pasteurised Milk, Butter, Ghee, Paneer and Butter Milk)
- Dairy Farming With Power Plant Based On Dung
- Dairy Products & Milk Packaging in Pouches
- Dairy Products (Skimmed Milk Powder, Butter, Ghee, Paneer)
- Dal Mill (Pulses)
- Dall Mill (Split Dalls/ Pulses for Chhilke-wali Moong, Urad, Arhar, Channa, Masoor)



Market Survey Cum Detailed Techno Economic Feasibility Report on All Above Projects are Available. Contact :

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SELECTED PROJECTS FOR RIGHT INVESTMENT

- Dehulled Sesame Seeds
- Dehydrated Beetroot Powder, Dehydrated Carrot Powder
- Dehydrated Fruits 
- Dehydrated Garlic Powder
- Dehydrated Gherkins
- Dehydrated Onion
- Dehydrated Onion & Onion Powder
- Dehydrated Vegetables, Mushroom and Soup
- Dehydration and Canning of Fruits and Vegetables
- Dehydration of Grapes
- Dehydration of Lime Fruit, Dried Lemon, Dry Lemon and Dehydrated Fruit
- Dehydration of Onion and Garlic 
- Desiccated Coconut Powder
- Dextrose Powder
- Diabetic Food
- Disposable Plates from Banana Leaves
- Dragon Fruits Farming
- Dried Malted Beverage Food (Health Drink, Cocoa Beverages in Granules Form) Malted Health Drinks
- Dry Fruits Processing
- Dry Fruits Processing (Cashew, Almond, Walnut, Raisins (Kishmish/Munnakka) and Figs)
- Dry Fruits Processing (for Snack, Almond, Pistachio and Cashew Nut) 
- Dry Ginger from Green Ginger
- Dry Ginger to Green Ginger
- Dry Lemon Powder and Lemon Oil
- Edible Corn Oil
- Edible Nuts Processing & Packing (Peanuts, Cashew Nuts, Almonds and Pistachio)
- Edible Oil
- Edible Oil Refinery
- Edible Oil Refinery (Sunflower Oil, Groundnut Oil & Rice Bran Oil)
- Edible Oil Refinery from Crude Palm Oil
- Egg Powder
- Emerging Investment Opportunity in Edible Oil Industry in India 
- Energy Bar
- Essential Oil
- Ethanol from Rice, Rice Straw, Rice Husk, Rice Bran
- Ethyl Alcohol from Molasses
- Extra Neutral Alcohol (ENA) 
- Extraction and Refining of Castor Oil
- Extraction of Methi (Fenugreek) Seed
- Extraction of Oil from Rajnigandha
- Extraction of Salt from Sea Water
- Extraction of Spice Oleoresin (Chilly)
- Extraction of Tannin (Edible) from Areca Nut Waste 
- Extruded Food (Kurkure Type)
- Farming of Fruits (Citrus Fruits, Orange, Tangarine Pineapple, Papaya, Watermelon and Mango)
- Fatty Acid Based on Sunflower Acid Oil

- Filtration and Airtight Packing of Coconut Oil
- Fish and Prawn Feed
- Fish Canning in Tins & Pouches
- Fish Feed
- Fish Flavoured Chips
- Fish Meal 
- Flavoured Drinking Water
- Flavoured Nuts
- Flavoured Raisins
- Flour Mill
- Food & Spices (Spices, Vegetable Sauces, Fruit Pulp)
- Food Colours
- Food Grains/Pulses & Retail Packaging
- Food Park
- Food Processing Unit (Cassava Processing Into Flour Starch, Gari and Cuscus)
- Forecasts
- Freeze Dried Fruits & Vegetables (Dry Banana, Mango, Custurd Apple, Beetroot, Sapota, Dragon) 
- Freeze Dried Vegetables
- Fresh Dips
- Fresh Frozen Vegetables
- Fresh Processed Frozen Vegetable Puree
- Frozen Convenience/Ready to Eat Foods, Purees and Sauces
- Frozen Finger Chips
- Frozen Foods Having Good Export and Domestic Demand
- Fructose Syrup from Broken Rice (HAS 90%)
- Fruit Beverage
- Fruit Concentrate like Rasana
- Fruit Juice (Mango, Orange & Litchi) & Sugarcane Juice in Aseptic Packaging & Pet Bottles
- Fruit Juice in Aseptic Packaging
- Fruit Processing (Mango, Lychee, Pineapple, Orange & Pomelo for Concentrates, Juice in Cans)
- Fruit Processing Industry
- Fruit Pulp, Mango, Guava, Pomegranate, Papaya
- Fruit Pulp, Mango Pulp, Guava Pulp, Pomegranate Pulp, Papaya Pulp 
- Fruit, Jamun and Green Peas
- Fruits & Vegetables Powder
- Fruits & Vegetables Powder (Tomato, Onion, Mango, Pomegranate and Papaya Powder)
- Fruits and Vegetable Dehydration by Osmo dehydration
- Fruits Dehydration and Processing Business
- Fuel Briquettes from Agro Waste
- Furfural from Bagasse and Corncobs
- Garlic Flakes, Paste & Powder
- Gelatin from Bones 
- Ghee
- Ginger (Dry, Powder, Flakes, Oil) & Garlic (Powder, Flakes, Oil)
- Ginger Powder
- Ginger Processing (Peeling, Drying, Grinding,

Market Survey Cum Detailed Techno Economic Feasibility Report on All Above Projects are Available. Contact :

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AN ISO 9001:2015 CERTIFIED COMPANY

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Fax : 91-11-23845886, E-mail : npcs.india@gmail.com, Web : www.entrepreneurindia.co

SELECTED PROJECTS FOR RIGHT INVESTMENT

- Bleaching of Fresh Ginger)
- Ginger Products (Ginger Paste, Powder & Oil)
- Ginger Storage
- Ginger Washing Plant
- Glazing & Preservation of Ginger
- Glycerol Monostearate (NSE/SE Grade)
- Energy/Protein Bar
- Potato Powder/Flakes
- Sugarcane Juice in Aseptic Packaging
- Good Prospects for Grain Based Alcohol (Distillery)
- Grain & Potato Based Vodka Distillery
- Grape Cultivation
- Grape Wine
- Grapes Packhouse for Exports
- Green Peas Processing & Preservation
- Groundnut Oil
- Groundnut Oil Production and Refining
- Growing Of Fruits and Manufacturing of Natural Juices
- Guar Gum
- Guar Gum Powder
- Guar Gum Powder (Drilling Grade)
- Guar Gum Powder Using Splits
- Gum Arabic (Spray Drying Process)
- Hard Boiled Candy
- Health Drink (Cocoa Beverages in Granules Form)
- Herbal Cosmetics
- Herbal Wine
- High Fructose Corn Syrup (HFCS)
- Honey Processing
- Honey Roasted Peanut
- Hydroponic Green House Farming
- I.M.F.L. Bottling Plant
- Ice Cream & Ice Candy
- Ice Cream of Different Flavours
- Ice Making Plant
- IMFL Bottling Plant
- India Beer Market
- Indian Kitchen Spices (Masala Powder)
- Indian Kitchen Spices (Masala Powder) Spices Powder and Blended Spices, Readymade mixes (Red Chilli)
- Indian Made Foreign Liquor)
- Instant Coffee
- Instant Ginger Powder Drink
- Instant Noodles
- Instant Tea
- Instant Tea (Without Premix of Milk & Sugar)
- Integrated Unit Cold Storage with Food Processing
- Integrated Unit of Rice Mill, Rice Bran Oil Extraction with Captive Power Plant
- Invert Sugar
- Invert Sugar Enzyme Based
- Invert Sugar Syrup
- Iodised Salt Free Flowing from Sea Water
- Iodized Salt
- Iodized Salt Free Flowing



- Iodized Table Salt
- Isabgol-Psyllium Husk
- Jam, Jelly, Chutney, Pickles & Squashes
- Jatropha Plantation & Oil Extraction (Used As Biofuel)
- Juice Powder, Spray Dried Orange Juice Powder, Dehydrated Beetroot Powder, Dehydrated Carrot Powder)
- Karela (Bitter Guard) Powder
- Khaini (Chewing Tobacco)
- Khakra-Ready to Eat (RTE) Convenience Food
- Khandsari Sugar
- Kuttu (Buckwheat) Seed Dehulling)
- Lecithin from Sunflower Oil
- Lemon-Lime Flavoured Soft Drink (Nimbu Pani)
- Linseed Oil
- Liquid Glucose & Fructose from Broken Rice
- Liquid Glucose from Broken Rice
- Liquid Glucose from Potatoes
- Macaroni
- Macaroni, Vermicelli & Atta Noodles
- Macaroni, Vermicelli & Noodles
- Macaroni, Vermicelli, Noodles and Instant Noodles
- Mahua Alcoholic Beverage
- Maize and It's by Products (Maize Starch, Sorbitol, Liquid Glucose, Dextrose Monohydrate, Dextrose)
- Maize and It's by Products (Starch, Liquid Glucose, Dextrose, Sorbitol, Maltose, Gluten, Germ and Fiber)
- Maize and its By Products (Starch, Oxidized Starch, Liquid Glucose and Dextrose)
- Maize Processing
- Maize Processing (Glucose, Sorbitol and Oil)
- Maize Processing Unit (Starch, Glucose, Germs, Fibres, Gluten & Steep Water)
- Maize Products in India (Starch, Glucose, Dextrose, Sorbitol)
- Maize/ Corn Starch Sorbitol & Dextrose
- Maltodextrin
- Mango Fruit Bar
- Mango Juice
- Mango Papad (Aam Papad)
- Mango Pickles
- Mango Powder (Amchur)
- Mango Processing (Pulp & Juices)
- Mango Pulp & Slices
- Mango Pulp Processing Industry (Food & Agriculture Sector)
- Mango Pulp with Cold Storage
- Masala Powder
- Masala Powder and Chilli Powder Masala
- Mayonnaise
- Mayonnaise & Salad Dressings
- Medical Alcohol from Date Juice Concentrate
- Mega Food Park
- Menthol Crystal & Oil
- Menthol Crystal and Mentha Oil
- Milk and Milk Products



Market Survey Cum Detailed Techno Economic Feasibility Report on All Above Projects are Available. Contact :

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SELECTED PROJECTS FOR RIGHT INVESTMENT

- Milk Powder (SMP, WMP and Dairy Whitener)
- Milk Processing Flavoured Milk (Chocolate), Milk in Pouches, Curd, Flavoured Yogurt, Ghee, Paneer &
- Mineral Water
- Mini Sugar Plant
- Mishri (Sugar Candy)
- Modern Chili Powder
- Modern Rice Mill
- Modified Potato Starch
- Monohydrate, Dextrose Anhydrate & Sorbitol
- Moringa Oleifera (Drumstick) Powder
- Mouth Freshener (Sounf, Supari, Elaichi Flavoured & Coloured in Pouch)
- Multigrain Atta using Super Food Grains-Atta (Flour) with Nine Super Whole Grains- Specialty Flour Mix
- Mushroom Production Process, How to Start Button Mushroom Farming
- Mustard Oil Mill
- Mustard Seed Cultivation
- Namkeen (Dalmoth, Bhujia, Chana Chur, Khatta Meetha)
- Natural Colour and Oil (Turmeric Colour & Oil)
- Natural Colours
- Non-Dairy Whipping Cream
- Oil Palm Cultivation
- Onion Powder
- Orange Juice
- Orange Juice Plant with Cold Storage Facility and Captive Power Plant
- Organic Foods
- Organic Yeast from Organic Molasses
- Packaged Drinking Water
- Packaged Drinking Water and Pet Bottles
- Packaged Drinking Water, Soda Water and Pet Bottles
- Packaging of Snack Foods
- Packaging of Tomato Paste
- Palm Oil
- Palm Oil (Refined, Bleached)
- Palm Oil Production and Processing
- Pan Chutney
- Pan Flavouring (Kashmeri Sugandh)
- Pan Masala
- Pan Masala Khaini, Gutka, Supari
- Pan Masala Sada, Meetha & Zarda
- Pan Masala Sada, Meetha, Zarda (Gutka) & Packaging
- Pan Masala, Gutka & Pouch Making Plant
- Pan Masala, Tobacco, Zarda & Kimam
- Papad & Bari
- Papad Plant (Automatic)
- Papaya Cultivation
- Parboiled Rice Mill with Rice & Corn Flakes
- Pasta and Macaroni
- Pasteurised Milk Packaging
- Peanut Butter
- Peanut Oil



- Pearl Sugar Candies / Candy
- Pectin from Citrus, Lemon and Orange
- Pectin from Citrus, Lemon, Orange Peels & Apple Pomace
- Pectin from Raw Papaya
- Pharmaceutical Grade Sugar
- Pickle
- Pickles (Various Types)
- Pickles, Murabbas, Sauces & Squashes
- Piggery/Meat/Chicken Processing
- Pineapple Slice Canning
- Plain Corn Flakes & Coated Choco Flakes
- Poha (Rice Flakes)
- Pomegranate Farming
- Potato Chips (Different Recipe and Flavors)
- Potato Chips/Wafers Automatic Plant
- Potato Chips/Wafers in Different Flavour
- Potato Flakes
- Potato Flakes and Pellets
- Potato French fries
- Potato Granules
- Potato Powder
- Potato Powder (Automatic Plant)
- Potato Powder, Flakes & Granules with Cold Storage
- Potato Powder, Flakes and Pellets
- Potato Powder, Granules & Flakes
- Potato Powder, Granules and Pellets
- Potato Products
- Potato Products (Potato Balls, Nuggets and French Fries)
- Potato Starch
- Poultry & Cattle Feed
- Poultry Farming
- Poultry Feed
- Powder, Sambhar Masala, Biryani Masala, Chicken Fry Masala, Garam Masala
- Precipitated Silica from Rice Husk
- Premixed Tea and Coffee with Sugar and Milk Powder
- Puffed Rice (Muri)
- Pulpy Fruit Drinks
- Ready to Eat Food (Retort Packaging) (Vegetable Pulao, Dal Makhani, Palak, Rajmah, Potato Peas & Mutter, Mushroom)
- Ready to Eat Food (Retort Packing)
- Ready to Eat Food (RTE)
- Readymade Khaini (Geeli)
- Rectified Spirit & Extra Neutral Alcohol (ENA)
- Red Chilli Powder
- Refined oil (Cotton seed, Ground Nut Oil & Sunflower Oil)
- Refined Vegetable Oil
- Refining of Crude Soyabean and Palm Oil
- Rice and Corn Flakes
- Rice Beer
- Rice Bran Based Solvent Extraction Plant
- Rice Bran oil
- Rice Bran Oil (Solvent Extraction)



Market Survey Cum Detailed Techno Economic Feasibility Report on All Above Projects are Available. Contact :

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SELECTED PROJECTS FOR RIGHT INVESTMENT

- Rice Bran Oil with Rice Mill and Captive Power Plant (Integrated Unit)
- Rice Flakes (Poha)
- Rice Flakes and Puffed Rice
- Rice Flakes from Broken Rice (used in Beer Industry)
- Rice Mill (Parboiled Rice)
- Rice Mill, Rice Bran Oil with Captive Power Plant (Integrated Unit)
- Rice Milling
- Rice Powder, Puttu and Wheat Powder
- Rice Syrup
- Roasted Salted Cashew Kernel from Cashew Nut
- Roll Forming with Metal Beam, Highway Guard Crash Barrier and Galvanizing Plant
- Roller Flour Mill (Atta, Maida & Suji)
- Roller Flour Mill (with Color Sorter)
- Roller Flour Mill with Packaging (Automatic Plant)
- Rose Oil Extraction
- Rumen by Pass Fat Used In Cattle Feed
- Saffron Cultivation
- Salted Packaged Food
- Sattu
- Semi Processed Canned Vegetable
- Sesame Oil
- Sesame Seed Hulling
- Shiitake Mushroom
- Silica from Rice Husk
- Silver Coated Sugar Balls
- Skimmed Milk Powder
- Soft Drink (Aerated Water)
- Soft Drinks (Cola, Orange, Lemon, Mango Pulp, Ginger, Clear Lemon 7up type)
- Soft Drinks in Poly Pouches
- Softy Ice Cream
- Solvent Extraction Plant (Soya bean oil and cake)
- Solvent Extraction Plant and Refining (Based on Rice Bran, Soya and other Oil seeds)
- Sorbitol
- Soya Bean Oil, Soya Paneer & Soya Extract
- Soya Lecithin
- Soya Milk from Soybean
- Soya Protein
- Soyabean Cultivation and Processing For Soy Nuggets (Nutrela), Paneer and Milk
- Soyabean Meat
- Soyabean Nuggets (Automatic Plant)
- Soyabean Oil, Soya Paneer and Soya Extract
- Soyabean Products (Soya Milk, Soya Paneer & Soya Extract)
- Soybean and Palm Oil Refining Business
- Spice
- Spice (Chilli) Oleoresin
- Spice Oil or Oleoresins (Extraction of Essential Oil, Cardamom, Jeera, Ajwain, Ginger & Other Spices)
- Spice Powder (Turmeric, Chilli, Pepper, Coriander and Cumin Powder)



- Spices (Turmeric Powder, Red Chilli Powder, Dhaniya Powder, Garam Masala, Sabji Masala, Popcorn)
- Spices (Turmeric, Chilli & Masala Powder)
- Spices (Turmeric, Red Chilli, Dhaniya and Jeera Powder)
- Spices • Mirchi Powder • Turmeric Powder • Sambhar Powder • Biryani Masala
- Spices and Masala Grinding, Blending and Packing
- Spices in Pouch Packing
- Spray Dried Fruit and Vegetables Juice Powder Vegetables and Fruit Juice Powder (Spray Dried Pineapple)
- Starch & Allied Products from Maize with Co-Generation Plant
- Starch & Starch Derivatives (Starch, Glucose, Maltodextrin, High Maltose Syrup & Powder, Dextrose)
- Starch and Allied Products from Maize (Starch, Liquid Glucose, Dextrose Monohydrate, Dextrose)
- Start a Betel Nut (Supari)
- Start a Beverage
- Stevia Farming
- Strawberry Jam
- Sugar
- Sugar Mill with Bio-Ethanol from Molasses
- Sugar Mill, Distillery and Power Plant
- Sugar Plant with Co-Generation Power Plant and Green Field Sugarcane
- Sugarcane Juice Preservation
- Sugarcane Juice Preservation and Bottling Plant
- Sunflower Oil
- Sweet & Scented Supari in Pouches
- Sweet Scented Supari (Betel Nut)
- Sweet Supari
- Sweetener from Rice
- Tamarind Based Products
- Tamarind Juice Concentrate
- Tamarind Pulp from Tamarind
- Tamarind Seed Decorticating & Powder Starch Making
- Tannin Based Wood Adhesive
- Tartaric Acid, Food Colour, Crude Pectine, Tamarind Oil and Tamarind Protein from Tamarind
- Tastemaker Business
- Tea Bag
- Tea Blending and Packaging
- Tea Packaging Unit (Blending and Packing)
- Tea Processing and Packaging
- Tejpatta Oil (Bay Leaf Oil)
- Tissue Culture Laboratory (for Production of Potato Seeds)
- Tobacco Cultivation and Processing
- Toffee (Confectionery Industry)
- Toffee, Candy & Milk Chocolate
- Tomato Concentrate & Ketchup
- Tomato Ketchup, Tomato Sauce and Tomato



Market Survey Cum Detailed Techno Economic Feasibility Report on All Above Projects are Available. Contact :

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SELECTED PROJECTS FOR RIGHT INVESTMENT

Soup

- Tomato Paste (Tomato Concentrate)
- Tomato Paste and Purees
- Tomato Paste Packaging
- Tomato Powder
- Tomato Products
- Tomato Products Tomato Ketchup, Sauce and Soup
- Tomato Pulp
- Tomato Puree and Fruit Concentrate with Hot Break Process
- Turmeric and Ginger Oil
- Turmeric Oleoresin, Spice Oils and Oleoresins, Curcumin from Curcuma Longa, Extraction of Curcumin
- Turmeric Plantation
- Turmeric Powder, Coriander Powder and Chilli Powder
- Turmeric, Dhania and Chilli Powder
- Tuti Fruity from Papaya Fruit
- Unit of Bael, Pine apple, Lychee Juices
- Vacuum Fried Snacks: Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot)
- Vacuum Fried Vegetable Chips
- Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot)
- Vanaspati Ghee
- Vegetable Crude Oil (Solvent Extraction Plant)
- Vegetable Margarine



- Vegetables and Fruit Juice Powder (Spray Dried Pineapple Juice Powder, Spray Dried Orange Juice Powder,
- Vermicelli
- Vermicelli, Noodles and Cherry (Tooti Fruity)
- Vermicompost from Solvent Extracted Spice Waste
- Vinegar
- Virgin Coconut Oil
- Vitamin and Minerals Enriched Corn Flakes in Various Shapes
- Vitamin C (Ascorbic Acid)
- VWG and Starch Milk to Fermentation for Ethanol
- Wheat Flour
- Wheat Flour Mill
- Wheat Flour Mill (Atta, Maida & Suji)
- Wheat Puff (Puffed Wheat)
- Wheat Starch & Gluten
- Wheat Starch and Wheat Gluten
- White Oats Processing
- Whole Spices Processing (Cleaning / Grinding & Packaging)
- Wine from Grapes
- Wine from Kinnow Fruits
- Winery
- Xanthan Gum (Food and Oil Drilling Grade)
- Yeast from Molasses
- Zarda



TOBACCO, PAN MASALA, KHAINI, GUTKHA, SUPARI, ZARDA, MOUTH FRESHENER, KIMAM, CIGARETTES, ZAFRANI PATTI, SMOKELESS CHEWING TOBACCO, ZARDA TOBACCO, FLAVOURED CHEWING TOBACCO PROJECTS

- Betel Nut (Supari) Processing
- Chewing Tobacco (Raja Type)
- Cigarette
- Gutkha & Pan Masala
- Khaini (Chewing Tobacco)
- Khaini, Zarda & Gutka
- Mouth Freshener (Sounf, Supari, Elaichi Flavoured & Coloured in Pouch)
- Nicotine from Tobacco Waste
- Nicotine Gum
- Pan Masala
- Pan Masala Khaini, Gutka, Supari
- Pan Masala Sada, Meetha & Zarda
- Pan Masala Sada, Meetha, Zarda (Gutka) & Packaging



- Pan Masala, Gutka & Pouch Making Plant
- Pan Masala, Meetha, Sada, Zarda (Gutka)
- Pan Masala, Sada, Meetha & Zarda
- Pan Masala, Tobacco, Zarda & Kimam
- Pan Masala, Zarda, Khaini, Gutka, Sweet & Scented Supari
- Readymade Khaini (Geeli)
- Small Business Ideas & Project Opportunities in Manufacturing of Pan Masala, Tobacco, Zarda and Kimam
- Start a Betel Nut (Supari) Processing Business
- Sweet Scented Supari Manufacturing Business
- Tobacco Cultivation and Processing (E.O.U.)
- Zarda
- Zarda of Various Grades



Market Survey Cum Detailed Techno Economic Feasibility Report on All Above Projects are Available. Contact :

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Urea Formaldehyde UF85

Urea-formaldehyde (UF), also known as urea-methanal, so named for its common synthesis pathway and overall structure, is a non-transparent thermosetting resin or polymer. It is produced from urea and formaldehyde. These resins are used in adhesives, finishes, particle board, medium-density fibreboard (MDF), and molded objects. UF and related amino resins are a class of thermosetting resins of which urea-formaldehyde resins make up 80% produced globally. Examples of amino resins use include in automobile tyres to improve the bonding of rubber to tyre cord, in paper for improving tear strength, in molding electrical devices, jar caps, etc.

PROJECT COST ESTIMATE CAPACITY

Capacity	: 2 MT per day
Plant & Machinery	: 23 Lakh
Cost of Product	: 125 Lakh
Rate of Return	: 28%
Break Even Point	: 66%

In 2019, the market size of Urea Formaldehyde is 8390 million US\$ and it will reach 12800 million US\$ in 2025, growing at a CAGR of 5.4% from 2019. Wood flour and thermoplastic-modified urea-formaldehyde (UF) suspensions are blended to form a wood composite which can sustain impacts better than other similar composites. Wooden furniture market on a global forum is expected to grow at a CAGR of around 5% during 2018-2022. However, volatile prices and availability of raw materials, availability of substitute compounds, and stringent government environment regulations are the key restraints for the urea formaldehyde market.

FORM IV (See Rule 8)

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| (5) Editor's Name | : Ajay Kumar Gupta |
| Nationality | : Indian |
| Address | : 106-E, Kamla Nagar, Delhi - 110 007 |

I Ajay Kumar Gupta hereby declare that the particular given above are true to the best of my knowledge and belief.

Dated : 01.03.2021
Place : Delhi

Sd/
Ajay Kumar Gupta
Publisher/Printer/Editor

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Market Survey Cum Detailed Techno Economic Feasibility Report on Required Projects can be had from



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BOOKS ON PULP, PAPER CONVERSION, PRINTING AND PACKAGING



Handbook on Printing Technology (Offset, Flexo, Gravure, Screen, Digital, 3D Printing with Book Binding and CTP) 4th Revised Edition
The Development in science and technology have revolutionized the printing industry in the progressive countries of the world. There has been a considerable compact of this progress in the Indian Printing Industries. ₹ 1675 US\$150



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Modern Technology of Pulp, Paper and Paper Conversion Industries
The paper conversion sectors are assuming increasingly important place in the life of every nation. Conversion technology is being evolved continuously for having better conversion, handling, transportation, preservation and usage of materials. Paper and Pulp industry plays a vital role towards conversion. In view of the close linkage between paper and conversion industry we have tried to come out with this unique book containing relevant and useful information in both these industries. We have tried to make it most exhaustive first giving details, then presenting and dividing in different chapter to understand better. Thus we have tried to fill the vacuum that existed till now. ₹. 1000 US\$ 100



The Complete Technology Book on Pulp & Paper Industries
The pulp and paper industry continues to expand at a phenomenal rate. This imposes a difficult problem of selection. Since the amount of material that can be included in a single volume is obviously limited. Careful thought has been given to the selection with the purpose of presenting that material which will be of greatest interest to the greatest numbers. ₹ 1100 US\$125



Handbook on Modern Packaging Industries
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Screen Printing Technology Hand Book
This method of Printing has achieved wide spread popularity since the second world war, although the basic idea in this process were used by the Chinese centuries ago. The present book contains latest technologies of screen printing along with machinery photographs, addresses of suppliers of machinery and raw materials. ₹ 1000 US\$100

BOOKS ON TEXTILE PROCESSING, SPINNING, WEAVING, DYES, PIGMENTS, DYE INTERMEDIATES AND STARCH



The Complete Technology Book on Textile Spinning, Weaving, Finishing & Printing (3rd Rev. Edn.)
The Book is based on the latest technology involved in textile industry. It contains processes of textile spinning, weaving, finishing and printing. Rs.1725 US\$150



Handbook on NATURAL DYES for INDUSTRIAL APPLICATIONS (Extraction of Dyestuff from Flowers, Leaves, Vegetables) 2nd Rev. Edn.
This is a single book which has information related to extraction of dyestuffs from 19 common flowers, weeds, bark of leaves and its application on cotton silk and wool fabrics for textile industry. The book describes the step wise methodology of extraction, mordanting and dyeing with photos of the actual plants part used for extraction of Natural dye. Shade cards have been incorporated so that the full gamut of colors can be visualized from each dyestuff. The Author Dr. Padma S Vankar, works as Principal Research Scientist, in Facility for Ecological and Analytical Testing (FEAT) at Indian Institute of Technology, Kanpur. She has been engaged in the screening and characterization of newer natural dyes for the past 10 years. She also works in the area of designing synthetic strategies for Ecofriendly dyes using microwave heating system. Using innovative technology for natural dyeing has been her main emphasis. The author has conducted several workshops throughout India in order to popularize natural dyeing. ₹ 1575 US\$150



The Complete Technology Book on Textile Processing with Effluent Treatment
The Book covers complete details of textile processing with the standard parameters of effluents treatment which is the burning problem for the textile processors. ₹ 1000 US\$100



Modern Technology of Textile Dyes & Pigments (2nd Rev. Edn.)
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The Complete Technology Book on STARCH AND ITS DERIVATIVES
Starch is a group of poly saccharides, composed of glucopyranose units joined together by glucosidic linkages. Industrially, starch is broadly divided into two types of viz, natural and modified. The characteristics of the natural starches are changed by chemical are enzymatic reaction and the products of these reactions are termed modified starches. Starch can be obtained from maize, sorghum, roots and tubers such as tapioca, arrow root, potatoes etc. ₹ 1100 US\$125



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- Surveys One-on-one Interactions Databases
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